# Astrodienst Ephemeris Tables

## from the year 950 for 50 years

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

Astrodienst AG, Dammstr. 23, CH-8702 Zollikon / Zürich, www.astro.com / order@astro.com

# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## JANUARY 950 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 1 0 | 15♑57'07 | 5♉16 | 29°R26 | 9♑47 | 21♐ 0 | 23♎28 | 25°R 8 | 27°R45 | 8°R17 | 19°R22 | 3♑31 | 3♑ 1 | 19♈ 6 | 27°R30 | T 1 |
| W 2 | 7 4 56 | 16°58'10 | 17°16 | 28♑57 | 11° 3 | 21°45 | 23°34 | 25♍ 8 | 27♋43 | 8♍16 | 19♋20 | 3°32 | 2°58 | 19°13 | 27°D30 | W 2 |
| T 3 | 7 8 53 | 17°59'12 | 29°26 | 28°18 | 12°18 | 22°30 | 23°40 | 25° 7 | 27°40 | 8°15 | 19°19 | 3°33 | 2°55 | 19°20 | 27♈30 | T 3 |
| F 4 | 7 12 49 | 19° 0'13 | 11♊51 | 27°28 | 13°33 | 23°15 | 23°45 | 25° 7 | 27°37 | 8°14 | 19°18 | 3°34 | 2°52 | 19°26 | 27°30 | F 4 |
| S 5 | 7 16 46 | 20° 1'13 | 24°33 | 26°30 | 14°49 | 24° 0 | 23°51 | 25° 6 | 27°35 | 8°13 | 19°16 | 3°35 | 2°48 | 19°33 | 27°30 | S 5 |
| S 6 | 7 20 43 | 21° 2'12 | 7♋34 | 25°24 | 16° 4 | 24°45 | 23°56 | 25° 5 | 27°32 | 8°12 | 19°15 | 3°R35 | 2°45 | 19°40 | 27°31 | S 6 |
| M 7 | 7 24 39 | 22° 3'10 | 20°54 | 24°13 | 17°19 | 25°30 | 24° 1 | 25° 5 | 27°30 | 8°11 | 19°14 | 3°35 | 2°42 | 19°47 | 27°31 | M 7 |
| T 8 | 7 28 36 | 23° 4'07 | 4♌31 | 22°59 | 18°35 | 26°15 | 24° 6 | 25° 4 | 27°27 | 8°10 | 19°12 | 3°33 | 2°39 | 19°53 | 27°31 | T 8 |
| W 9 | 7 32 32 | 24° 5'03 | 18°24 | 21°43 | 19°50 | 27° 0 | 24°11 | 25° 3 | 27°24 | 8° 9 | 19°11 | 3°30 | 2°36 | 20° 0 | 27°32 | W 9 |
| T 10 | 7 36 29 | 25° 5'58 | 2♍28 | 20°30 | 21° 5 | 27°45 | 24°16 | 25° 1 | 27°22 | 8° 8 | 19°10 | 3°27 | 2°32 | 20° 7 | 27°32 | T 10 |
| F 11 | 7 40 25 | 26° 6'51 | 16°40 | 19°19 | 22°20 | 28°30 | 24°20 | 25° 0 | 27°19 | 8° 7 | 19° 8 | 3°24 | 2°29 | 20°13 | 27°33 | F 11 |
| S 12 | 7 44 22 | 27° 7'44 | 0♎55 | 18°13 | 23°36 | 29°16 | 24°24 | 24°59 | 27°17 | 8° 5 | 19° 7 | 3°21 | 2°26 | 20°20 | 27°33 | S 12 |
| S 13 | 7 48 18 | 28° 8'37 | 15°11 | 17°14 | 24°51 | 0♒ 1 | 24°28 | 24°57 | 27°14 | 8° 4 | 19° 6 | 3°20 | 2°23 | 20°27 | 27°34 | S 13 |
| M14 | 7 52 15 | 29° 9'28 | 29°23 | 16°22 | 26° 6 | 0°46 | 24°32 | 24°56 | 27°11 | 8° 3 | 19° 4 | 3°D19 | 2°20 | 20°34 | 27°35 | M14 |
| T 15 | 7 56 12 | 0♓10'18 | 13♏29 | 15°38 | 27°22 | 1°31 | 24°36 | 24°54 | 27° 9 | 8° 2 | 19° 3 | 3°20 | 2°17 | 20°40 | 27°35 | T 15 |
| W16 | 8 0 8 | 1°11'08 | 27°29 | 15° 2 | 28°37 | 2°17 | 24°40 | 24°53 | 27° 6 | 8° 1 | 19° 2 | 3°21 | 2°13 | 20°47 | 27°36 | W16 |
| T 17 | 8 4 5 | 2°11'56 | 11♐21 | 14°34 | 29°52 | 3° 2 | 24°43 | 24°51 | 27° 3 | 7°59 | 19° 0 | 3°23 | 2°10 | 20°54 | 27°37 | T 17 |
| F 18 | 8 8 1 | 3°12'44 | 25° 4 | 14°15 | 1♓ 7 | 3°48 | 24°46 | 24°49 | 27° 1 | 7°58 | 18°59 | 3°24 | 2° 7 | 21° 0 | 27°38 | F 18 |
| S 19 | 8 11 58 | 4°13'30 | 8♑37 | 14° 4 | 2°22 | 4°33 | 24°49 | 24°47 | 26°58 | 7°57 | 18°58 | 3°R24 | 2° 4 | 21° 7 | 27°39 | S 19 |
| S 20 | 8 15 54 | 5°14'15 | 21°58 | 14°D 0 | 3°38 | 5°19 | 24°52 | 24°45 | 26°56 | 7°56 | 18°56 | 3°22 | 2° 1 | 21°14 | 27°40 | S 20 |
| M21 | 8 19 51 | 6°14'59 | 5♓ 7 | 14° 4 | 4°53 | 6° 4 | 24°55 | 24°42 | 26°53 | 7°54 | 18°55 | 3°19 | 1°58 | 21°21 | 27°41 | M21 |
| T 22 | 8 23 47 | 7°15'41 | 18° 1 | 14°15 | 6° 8 | 6°50 | 24°57 | 24°40 | 26°51 | 7°53 | 18°54 | 3°15 | 1°54 | 21°27 | 27°42 | T 22 |
| W23 | 8 27 44 | 8°16'22 | 0♈42 | 14°32 | 7°23 | 7°35 | 25° 0 | 24°38 | 26°48 | 7°51 | 18°52 | 3° 8 | 1°51 | 21°34 | 27°44 | W23 |
| T 24 | 8 31 41 | 9°17'01 | 13° 8 | 14°54 | 8°38 | 8°21 | 25° 2 | 24°35 | 26°45 | 7°50 | 18°51 | 3° 2 | 1°48 | 21°41 | 27°45 | T 24 |
| F 25 | 8 35 37 | 10°17'38 | 25°21 | 15°23 | 9°54 | 9° 7 | 25° 4 | 24°33 | 26°43 | 7°49 | 18°50 | 2°55 | 1°45 | 21°48 | 27°46 | F 25 |
| S 26 | 8 39 34 | 11°18'14 | 7♈24 | 15°56 | 11° 9 | 9°52 | 25° 6 | 24°30 | 26°40 | 7°47 | 18°49 | 2°49 | 1°42 | 21°54 | 27°48 | S 26 |
| S 27 | 8 43 30 | 12°18'48 | 19°19 | 16°34 | 12°24 | 10°38 | 25° 7 | 24°27 | 26°38 | 7°46 | 18°47 | 2°45 | 1°38 | 22° 1 | 27°49 | S 27 |
| M28 | 8 47 27 | 13°19'20 | 1♉10 | 17°16 | 13°39 | 11°24 | 25° 9 | 24°24 | 26°35 | 7°44 | 18°46 | 2°42 | 1°35 | 22° 8 | 27°51 | M28 |
| T 29 | 8 51 23 | 14°19'50 | 13° 2 | 18° 2 | 14°54 | 12° 9 | 25°10 | 24°21 | 26°33 | 7°43 | 18°45 | 2°D41 | 1°32 | 22°14 | 27°52 | T 29 |
| W30 | 8 55 20 | 15°20'18 | 25° 0 | 18°52 | 16° 9 | 12°55 | 25°11 | 24°18 | 26°30 | 7°41 | 18°44 | 2°41 | 1°29 | 22°21 | 27°54 | W30 |
| T 31 | 8 59 16 | 16♓20'44 | 7♊ 9 | 19♑45 | 17♓24 | 13♑41 | 25♎12 | 24♍15 | 26♋28 | 7♍40 | 18♋43 | 2♑43 | 1♑26 | 22♈28 | 27♈56 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s37 | 17n35 | 4n30 | 18s46 | 1n40 | 23s48 | 0s36 | 23s44 | 0s28 | 7s57 | 1n19 | 4n 8 | 2n23 | 21n19 | 0n36 | 9n34 | 1n 8 | 26n14 | 4n 7 | 23s32 | 23s32 | 12n 5 | 10n52 | 0n14 |
| W 2 | 22 29 | 20 44 | 3 49 | 18 34 | 1 58 | 23 44 | 0 38 | 23 48 | 0 29 | 7 59 | 1 19 | 4 9 | 2 24 | 21 20 | 0 36 | 9 34 | 1 8 | 26 15 | 4 7 | 23 32 | 23 33 | 12 8 | 10 52 | 0 14 |
| T 3 | 22 22 | 23 2 | 2 58 | 18 24 | 2 16 | 23 40 | 0 40 | 23 51 | 0 29 | 8 1 | 1 19 | 4 9 | 2 24 | 21 21 | 0 37 | 9 35 | 1 8 | 26 15 | 4 7 | 23 32 | 23 33 | 12 10 | 10 51 | 0 14 |
| F 4 | 22 13 | 24 16 | 1 57 | 18 17 | 2 33 | 23 35 | 0 42 | 23 54 | 0 30 | 8 2 | 1 20 | 4 9 | 2 24 | 21 21 | 0 37 | 9 35 | 1 8 | 26 15 | 4 7 | 23 32 | 23 33 | 12 12 | 10 51 | 0 14 |
| S 5 | 22 4 | 24 17 | 0 50 | 18 13 | 2 48 | 23 29 | 0 44 | 23 57 | 0 31 | 8 4 | 1 20 | 4 10 | 2 24 | 21 22 | 0 37 | 9 35 | 1 8 | 26 15 | 4 7 | 23 32 | 23 33 | 12 15 | 10 51 | 0 14 |
| S 6 | 21 55 | 23 0 | 0s22 | 18 11 | 3 2 | 23 22 | 0 46 | 23 59 | 0 31 | 8 6 | 1 20 | 4 10 | 2 25 | 21 22 | 0 37 | 9 36 | 1 8 | 26 16 | 4 7 | 23 32 | 23 33 | 12 17 | 10 51 | 0 14 |
| M 7 | 21 45 | 20 23 | 1 34 | 18 12 | 3 14 | 23 14 | 0 48 | 24 2 | 0 32 | 8 8 | 1 20 | 4 11 | 2 25 | 21 23 | 0 37 | 9 36 | 1 8 | 26 16 | 4 7 | 23 32 | 23 33 | 12 19 | 10 51 | 0 13 |
| T 8 | 21 35 | 16 37 | 2 42 | 18 15 | 3 24 | 23 6 | 0 50 | 24 4 | 0 33 | 8 9 | 1 20 | 4 12 | 2 25 | 21 23 | 0 37 | 9 37 | 1 8 | 26 16 | 4 7 | 23 32 | 23 33 | 12 22 | 10 51 | 0 13 |
| W 9 | 21 25 | 11 52 | 3 42 | 18 20 | 3 31 | 22 57 | 0 52 | 24 6 | 0 33 | 8 11 | 1 21 | 4 12 | 2 26 | 21 24 | 0 37 | 9 37 | 1 8 | 26 16 | 4 7 | 23 32 | 23 33 | 12 24 | 10 52 | 0 13 |
| T 10 | 21 14 | 6 27 | 4 30 | 18 26 | 3 36 | 22 48 | 0 54 | 24 7 | 0 34 | 8 12 | 1 21 | 4 13 | 2 26 | 21 24 | 0 37 | 9 38 | 1 8 | 26 17 | 4 7 | 23 32 | 23 33 | 12 26 | 10 52 | 0 13 |
| F 11 | 21 3 | 0 40 | 5 1 | 18 34 | 3 38 | 22 38 | 0 56 | 24 9 | 0 35 | 8 14 | 1 21 | 4 14 | 2 26 | 21 25 | 0 37 | 9 38 | 1 8 | 26 17 | 4 7 | 23 32 | 23 33 | 12 29 | 10 52 | 0 13 |
| S 12 | 20 51 | 5s10 | 5 14 | 18 43 | 3 38 | 22 27 | 0 57 | 24 10 | 0 35 | 8 15 | 1 21 | 4 15 | 2 26 | 21 25 | 0 37 | 9 38 | 1 8 | 26 17 | 4 8 | 23 32 | 23 33 | 12 31 | 10 52 | 0 13 |
| S 13 | 20 39 | 10 44 | 5 8 | 18 53 | 3 36 | 22 15 | 0 59 | 24 11 | 0 36 | 8 16 | 1 21 | 4 15 | 2 27 | 21 26 | 0 37 | 9 39 | 1 9 | 26 17 | 4 8 | 23 32 | 23 33 | 12 33 | 10 52 | 0 13 |
| M14 | 20 27 | 15 43 | 4 42 | 19 3 | 3 32 | 22 3 | 1 1 | 24 11 | 0 37 | 8 18 | 1 22 | 4 16 | 2 27 | 21 26 | 0 37 | 9 39 | 1 9 | 26 18 | 4 8 | 23 32 | 23 33 | 12 36 | 10 52 | 0 13 |
| T 15 | 20 14 | 19 48 | 4 0 | 19 14 | 3 26 | 21 50 | 1 3 | 24 11 | 0 37 | 8 19 | 1 22 | 4 17 | 2 27 | 21 27 | 0 37 | 9 40 | 1 9 | 26 18 | 4 8 | 23 32 | 23 33 | 12 38 | 10 52 | 0 13 |
| W16 | 20 1 | 22 42 | 3 4 | 19 26 | 3 19 | 21 36 | 1 4 | 24 11 | 0 38 | 8 20 | 1 22 | 4 18 | 2 27 | 21 27 | 0 37 | 9 40 | 1 9 | 26 18 | 4 8 | 23 32 | 23 33 | 12 40 | 10 53 | 0 13 |
| T 17 | 19 47 | 24 13 | 1 58 | 19 37 | 3 11 | 21 22 | 1 6 | 24 11 | 0 39 | 8 21 | 1 22 | 4 19 | 2 28 | 21 28 | 0 37 | 9 41 | 1 9 | 26 18 | 4 8 | 23 32 | 23 33 | 12 43 | 10 53 | 0 13 |
| F 18 | 19 33 | 24 14 | 0 45 | 19 48 | 3 1 | 21 7 | 1 7 | 24 11 | 0 39 | 8 22 | 1 23 | 4 20 | 2 28 | 21 28 | 0 37 | 9 41 | 1 9 | 26 19 | 4 8 | 23 32 | 23 33 | 12 45 | 10 53 | 0 13 |
| S 19 | 19 19 | 22 49 | 0n29 | 20 0 | 2 51 | 20 51 | 1 9 | 24 10 | 0 40 | 8 23 | 1 23 | 4 21 | 2 28 | 21 29 | 0 37 | 9 42 | 1 9 | 26 19 | 4 8 | 23 32 | 23 34 | 12 47 | 10 53 | 0 12 |
| S 20 | 19 4 | 20 8 | 1 40 | 20 11 | 2 40 | 20 35 | 1 10 | 24 9 | 0 41 | 8 24 | 1 23 | 4 22 | 2 29 | 21 29 | 0 37 | 9 42 | 1 9 | 26 19 | 4 8 | 23 32 | 23 34 | 12 49 | 10 54 | 0 12 |
| M21 | 18 49 | 16 26 | 2 44 | 20 21 | 2 29 | 20 18 | 1 11 | 24 7 | 0 41 | 8 25 | 1 23 | 4 23 | 2 29 | 21 30 | 0 37 | 9 43 | 1 9 | 26 19 | 4 8 | 23 32 | 23 34 | 12 52 | 10 54 | 0 12 |
| T 22 | 18 34 | 12 2 | 3 39 | 20 32 | 2 17 | 20 1 | 1 13 | 24 6 | 0 42 | 8 25 | 1 24 | 4 24 | 2 29 | 21 30 | 0 37 | 9 44 | 1 9 | 26 20 | 4 8 | 23 32 | 23 34 | 12 54 | 10 54 | 0 12 |
| W23 | 18 18 | 7 12 | 4 22 | 20 42 | 2 6 | 19 43 | 1 14 | 24 4 | 0 43 | 8 26 | 1 24 | 4 26 | 2 29 | 21 31 | 0 37 | 9 44 | 1 9 | 26 20 | 4 8 | 23 32 | 23 34 | 12 56 | 10 55 | 0 12 |
| T 24 | 18 2 | 2 10 | 4 52 | 20 51 | 1 54 | 19 25 | 1 15 | 24 2 | 0 43 | 8 26 | 1 24 | 4 27 | 2 30 | 21 31 | 0 37 | 9 45 | 1 9 | 26 20 | 4 8 | 23 32 | 23 34 | 12 59 | 10 55 | 0 12 |
| F 25 | 17 46 | 2n51 | 5 8 | 20 59 | 1 42 | 19 6 | 1 16 | 23 59 | 0 44 | 8 27 | 1 24 | 4 28 | 2 30 | 21 32 | 0 37 | 9 45 | 1 9 | 26 20 | 4 8 | 23 33 | 23 34 | 13 1 | 10 56 | 0 12 |
| S 26 | 17 29 | 7 41 | 5 9 | 21 7 | 1 31 | 18 46 | 1 17 | 23 57 | 0 45 | 8 27 | 1 24 | 4 29 | 2 30 | 21 32 | 0 37 | 9 46 | 1 9 | 26 20 | 4 8 | 23 33 | 23 34 | 13 3 | 10 56 | 0 12 |
| S 27 | 17 12 | 12 11 | 4 57 | 21 14 | 1 19 | 18 26 | 1 18 | 23 54 | 0 45 | 8 28 | 1 25 | 4 31 | 2 30 | 21 33 | 0 37 | 9 46 | 1 9 | 26 21 | 4 8 | 23 33 | 23 34 | 13 5 | 10 56 | 0 12 |
| M28 | 16 55 | 16 12 | 4 33 | 21 20 | 1 7 | 18 5 | 1 19 | 23 51 | 0 46 | 8 28 | 1 25 | 4 32 | 2 30 | 21 33 | 0 37 | 9 47 | 1 9 | 26 21 | 4 8 | 23 33 | 23 34 | 13 8 | 10 57 | 0 12 |
| T 29 | 16 37 | 19 36 | 3 57 | 21 25 | 0 56 | 17 44 | 1 20 | 23 47 | 0 47 | 8 28 | 1 25 | 4 33 | 2 31 | 21 34 | 0 37 | 9 47 | 1 9 | 26 21 | 4 8 | 23 33 | 23 34 | 13 10 | 10 57 | 0 12 |
| W30 | 16 20 | 22 12 | 3 10 | 21 30 | 0 45 | 17 22 | 1 21 | 23 44 | 0 47 | 8 28 | 1 25 | 4 35 | 2 31 | 21 34 | 0 37 | 9 48 | 1 9 | 26 21 | 4 8 | 23 33 | 23 34 | 13 12 | 10 58 | 0 11 |
| T 31 | 16s 2 | 23n50 | 2n14 | 21s33 | 0n34 | 17s 0 | 1s22 | 23s40 | 0s48 | 8s29 | 1n26 | 4n36 | 2n31 | 21n35 | 0n37 | 9n49 | 1n 9 | 26n21 | 4n 8 | 23s33 | 23s34 | 13n14 | 10n58 | 0n11 |

Julian Day Number = 2068045.5, Delta T = 28m52s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°06'26, Lahiri = 9°13'27 Julian Calendar 1 Jan. 950 == Greg. Calendar 6 Jan. 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## FEBRUARY 950 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 3 13 | 17♒21'09 | 19♊34 | 20♉41 | 18♒39 | 14♉27 | 25♎12 | 24°R12 | 26°R26 | 7°R38 | 18°R41 | 2♉44 | 1♉23 | 22♈35 | 27♈57 | F 1 |
| S 2 | 9 7 10 | 18°21'31 | 2♋20 | 21°40 | 19°54 | 15°13 | 25°13 | 24♍ 9 | 26♋23 | 7♍37 | 18♋40 | 2°R45 | 1°19 | 22°41 | 27°59 | S 2 |
| S 3 | 9 11 6 | 19°21'52 | 15°28 | 22°42 | 21° 9 | 15°59 | 25°13 | 24° 5 | 26°21 | 7°35 | 18°39 | 2°44 | 1°16 | 22°48 | 28° 1 | S 3 |
| M 4 | 9 15 3 | 20°22'11 | 29° 1 | 23°46 | 22°24 | 16°44 | 25°R13 | 24° 2 | 26°19 | 7°34 | 18°38 | 2°41 | 1°13 | 22°55 | 28° 3 | M 4 |
| T 5 | 9 18 59 | 21°22'27 | 12♌59 | 24°52 | 23°39 | 17°30 | 25°13 | 23°58 | 26°16 | 7°32 | 18°37 | 2°36 | 1°10 | 23° 1 | 28° 5 | T 5 |
| W 6 | 9 22 56 | 22°22'42 | 27°17 | 26° 1 | 24°54 | 18°16 | 25°13 | 23°55 | 26°14 | 7°30 | 18°36 | 2°29 | 1° 7 | 23° 8 | 28° 7 | W 6 |
| T 7 | 9 26 52 | 23°22'55 | 11♍51 | 27°12 | 26° 9 | 19° 2 | 25°12 | 23°51 | 26°12 | 7°29 | 18°35 | 2°21 | 1° 3 | 23°15 | 28° 9 | T 7 |
| F 8 | 9 30 49 | 24°23'06 | 26°32 | 28°24 | 27°24 | 19°48 | 25°12 | 23°47 | 26° 9 | 7°27 | 18°34 | 2°13 | 1° 0 | 23°22 | 28°11 | F 8 |
| S 9 | 9 34 45 | 25°23'16 | 11♎14 | 29°39 | 28°39 | 20°34 | 25°11 | 23°44 | 26° 7 | 7°26 | 18°33 | 2° 5 | 0°57 | 23°28 | 28°13 | S 9 |
| S 10 | 9 38 42 | 26°23'24 | 25°50 | 0♒55 | 29°54 | 21°20 | 25°10 | 23°40 | 26° 5 | 7°24 | 18°32 | 2° 0 | 0°54 | 23°35 | 28°15 | S 10 |
| M11 | 9 42 39 | 27°23'30 | 10♏14 | 2°12 | 1♓ 9 | 22° 6 | 25° 8 | 23°36 | 26° 3 | 7°22 | 18°31 | 1°56 | 0°51 | 23°42 | 28°18 | M11 |
| T 12 | 9 46 35 | 28°23'35 | 24°22 | 3°32 | 2°23 | 22°52 | 25° 7 | 23°32 | 26° 1 | 7°21 | 18°29 | 1°D55 | 0°48 | 23°48 | 28°20 | T 12 |
| W13 | 9 50 32 | 29°23'38 | 8♐15 | 4°52 | 3°38 | 23°38 | 25° 5 | 23°28 | 25°59 | 7°19 | 18°29 | 1°55 | 0°44 | 23°55 | 28°22 | W13 |
| T 14 | 9 54 28 | 0♓23'40 | 21°52 | 6°15 | 4°53 | 24°25 | 25° 4 | 23°24 | 25°57 | 7°17 | 18°28 | 1°56 | 0°41 | 24° 2 | 28°25 | T 14 |
| F 15 | 9 58 25 | 1°23'40 | 5♉15 | 7°38 | 6° 8 | 25°11 | 25° 2 | 23°20 | 25°55 | 7°16 | 18°27 | 1°R56 | 0°38 | 24° 8 | 28°27 | F 15 |
| S 16 | 10 2 21 | 2°23'38 | 18°25 | 9° 4 | 7°23 | 25°57 | 24°59 | 23°16 | 25°53 | 7°14 | 18°26 | 1°55 | 0°35 | 24°15 | 28°30 | S 16 |
| S 17 | 10 6 18 | 3°23'35 | 1♒22 | 10°30 | 8°38 | 26°43 | 24°57 | 23°11 | 25°51 | 7°12 | 18°25 | 1°51 | 0°32 | 24°22 | 28°32 | S 17 |
| M18 | 10 10 14 | 4°23'30 | 14° 9 | 11°58 | 9°52 | 27°29 | 24°55 | 23° 7 | 25°49 | 7°11 | 18°24 | 1°44 | 0°29 | 24°29 | 28°35 | M18 |
| T 19 | 10 14 11 | 5°23'22 | 26°45 | 13°27 | 11° 7 | 28°15 | 24°52 | 23° 3 | 25°47 | 7° 9 | 18°23 | 1°35 | 0°25 | 24°35 | 28°37 | T 19 |
| W20 | 10 18 8 | 6°23'13 | 9♓11 | 14°57 | 12°22 | 29° 1 | 24°49 | 22°59 | 25°45 | 7° 7 | 18°22 | 1°24 | 0°22 | 24°42 | 28°40 | W20 |
| T 21 | 10 22 4 | 7°23'02 | 21°28 | 16°29 | 13°37 | 29°48 | 24°46 | 22°54 | 25°44 | 7° 6 | 18°21 | 1°11 | 0°19 | 24°49 | 28°43 | T 21 |
| F 22 | 10 26 1 | 8°22'48 | 3♈35 | 18° 1 | 14°51 | 0♒34 | 24°43 | 22°50 | 25°42 | 7° 4 | 18°21 | 0°59 | 0°16 | 24°55 | 28°46 | F 22 |
| S 23 | 10 29 57 | 9°22'32 | 15°33 | 19°35 | 16° 6 | 1°20 | 24°39 | 22°45 | 25°40 | 7° 2 | 18°20 | 0°47 | 0°13 | 25° 2 | 28°48 | S 23 |
| S 24 | 10 33 54 | 10°22'15 | 27°26 | 21°11 | 17°21 | 2° 6 | 24°36 | 22°41 | 25°38 | 7° 1 | 18°19 | 0°37 | 0° 9 | 25° 9 | 28°51 | S 24 |
| M25 | 10 37 50 | 11°21'55 | 9♉16 | 22°47 | 18°35 | 2°53 | 24°32 | 22°36 | 25°37 | 6°59 | 18°18 | 0°30 | 0° 6 | 25°16 | 28°54 | M25 |
| T 26 | 10 41 47 | 12°21'32 | 21° 7 | 24°25 | 19°50 | 3°39 | 24°28 | 22°32 | 25°35 | 6°57 | 18°18 | 0°25 | 0° 3 | 25°22 | 28°57 | T 26 |
| W27 | 10 45 43 | 13°21'08 | 3♊ 2 | 26° 4 | 21° 4 | 4°25 | 24°24 | 22°27 | 25°34 | 6°56 | 18°17 | 0°23 | 29♐59 | 25°29 | 29° 0 | W27 |
| T 28 | 10 49 40 | 14♓20'41 | 15♊ 8 | 27♒44 | 22♓19 | 5♒11 | 24♎19 | 22♍23 | 25♋32 | 6♍54 | 18♋16 | 0°D23 | 29♐57 | 25♈36 | 29♈ 3 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s43 | 24n20 | 1n11 | 21s35 | 0n24 | 16s38 | 1s22 | 23s35 | 0s49 | 8s29 | 1n26 | 4n38 | 2n31 | 21n35 | 0n37 | 9n49 | 1n 9 | 26n22 | 4n 8 | 23s33 | 23s34 | 13n17 | 10n59 | 0n11 |
| S 2 | 15 25 | 23 36 | 0 2 | 21 36 | 0 13 | 16 14 | 1 23 | 23 31 | 0 49 | 8 29 | 1 26 | 4 39 | 2 32 | 21 36 | 0 37 | 9 50 | 1 9 | 26 22 | 4 8 | 23 33 | 23 34 | 13 19 | 10 59 | 0 11 |
| S 3 | 15 6 | 21 33 | 1s 8 | 21 36 | 0 3 | 15 51 | 1 24 | 23 26 | 0 50 | 8 28 | 1 26 | 4 41 | 2 32 | 21 36 | 0 37 | 9 50 | 1 9 | 26 22 | 4 8 | 23 33 | 23 34 | 13 21 | 11 0 | 0 11 |
| M 4 | 14 47 | 18 14 | 2 17 | 21 34 | 0s 6 | 15 27 | 1 24 | 23 21 | 0 50 | 8 28 | 1 26 | 4 42 | 2 32 | 21 37 | 0 37 | 9 51 | 1 9 | 26 22 | 4 8 | 23 33 | 23 34 | 13 23 | 11 1 | 0 11 |
| T 5 | 14 27 | 13 50 | 3 19 | 21 32 | 0 16 | 15 3 | 1 25 | 23 16 | 0 51 | 8 28 | 1 27 | 4 44 | 2 32 | 21 37 | 0 37 | 9 52 | 1 9 | 26 22 | 4 8 | 23 33 | 23 34 | 13 26 | 11 1 | 0 11 |
| W 6 | 14 8 | 8 33 | 4 11 | 21 28 | 0 25 | 14 38 | 1 25 | 23 10 | 0 52 | 8 28 | 1 27 | 4 46 | 2 32 | 21 37 | 0 37 | 9 52 | 1 9 | 26 22 | 4 8 | 23 33 | 23 34 | 13 28 | 11 2 | 0 11 |
| T 7 | 13 48 | 2 44 | 4 47 | 21 23 | 0 34 | 14 13 | 1 25 | 23 5 | 0 52 | 8 27 | 1 27 | 4 47 | 2 33 | 21 38 | 0 37 | 9 53 | 1 9 | 26 23 | 4 8 | 23 33 | 23 34 | 13 30 | 11 3 | 0 11 |
| F 8 | 13 28 | 3s16 | 5 5 | 21 17 | 0 42 | 13 47 | 1 26 | 22 59 | 0 53 | 8 27 | 1 27 | 4 49 | 2 33 | 21 38 | 0 37 | 9 54 | 1 9 | 26 23 | 4 8 | 23 33 | 23 34 | 13 32 | 11 3 | 0 11 |
| S 9 | 13 8 | 9 6 | 5 2 | 21 9 | 0 50 | 13 21 | 1 26 | 22 52 | 0 54 | 8 26 | 1 28 | 4 51 | 2 33 | 21 39 | 0 37 | 9 54 | 1 9 | 26 23 | 4 8 | 23 34 | 23 34 | 13 35 | 11 4 | 0 11 |
| S 10 | 12 47 | 14 23 | 4 40 | 21 1 | 0 58 | 12 55 | 1 26 | 22 46 | 0 54 | 8 26 | 1 28 | 4 52 | 2 33 | 21 39 | 0 37 | 9 55 | 1 9 | 26 23 | 4 8 | 23 34 | 23 34 | 13 37 | 11 5 | 0 11 |
| M11 | 12 27 | 18 46 | 4 1 | 20 50 | 1 5 | 12 28 | 1 26 | 22 39 | 0 55 | 8 25 | 1 28 | 4 54 | 2 33 | 21 39 | 0 37 | 9 55 | 1 9 | 26 23 | 4 8 | 23 34 | 23 34 | 13 39 | 11 5 | 0 10 |
| T 12 | 12 6 | 21 59 | 3 7 | 20 39 | 1 12 | 12 1 | 1 26 | 22 32 | 0 55 | 8 24 | 1 28 | 4 56 | 2 33 | 21 40 | 0 37 | 9 56 | 1 9 | 26 23 | 4 8 | 23 34 | 23 34 | 13 41 | 11 6 | 0 10 |
| W13 | 11 45 | 23 50 | 2 3 | 20 26 | 1 19 | 11 34 | 1 26 | 22 25 | 0 56 | 8 24 | 1 28 | 4 57 | 2 34 | 21 40 | 0 37 | 9 57 | 1 9 | 26 24 | 4 8 | 23 34 | 23 34 | 13 43 | 11 7 | 0 10 |
| T 14 | 11 24 | 24 13 | 0 54 | 20 12 | 1 25 | 11 6 | 1 26 | 22 17 | 0 57 | 8 23 | 1 29 | 4 59 | 2 34 | 21 41 | 0 37 | 9 57 | 1 9 | 26 24 | 4 8 | 23 34 | 23 34 | 13 46 | 11 8 | 0 10 |
| F 15 | 11 2 | 23 10 | 0n18 | 19 56 | 1 31 | 10 38 | 1 26 | 22 10 | 0 57 | 8 22 | 1 29 | 5 1 | 2 34 | 21 41 | 0 36 | 9 58 | 1 9 | 26 24 | 4 8 | 23 34 | 23 34 | 13 48 | 11 9 | 0 10 |
| S 16 | 10 41 | 20 52 | 1 27 | 19 39 | 1 37 | 10 10 | 1 26 | 22 2 | 0 58 | 8 21 | 1 29 | 5 3 | 2 34 | 21 41 | 0 36 | 9 59 | 1 9 | 26 24 | 4 8 | 23 34 | 23 34 | 13 50 | 11 9 | 0 10 |
| S 17 | 10 19 | 17 31 | 2 30 | 19 21 | 1 42 | 9 42 | 1 25 | 21 53 | 0 59 | 8 20 | 1 29 | 5 5 | 2 34 | 21 42 | 0 36 | 9 59 | 1 9 | 26 24 | 4 8 | 23 34 | 23 34 | 13 52 | 11 10 | 0 10 |
| M18 | 9 57 | 13 24 | 3 25 | 19 1 | 1 47 | 9 13 | 1 25 | 21 45 | 0 59 | 8 19 | 1 29 | 5 6 | 2 34 | 21 42 | 0 36 | 10 0 | 1 9 | 26 24 | 4 8 | 23 34 | 23 34 | 13 54 | 11 11 | 0 10 |
| T 19 | 9 35 | 8 46 | 4 9 | 18 40 | 1 52 | 8 44 | 1 25 | 21 36 | 1 0 | 8 17 | 1 30 | 5 8 | 2 35 | 21 42 | 0 36 | 10 0 | 1 9 | 26 24 | 4 8 | 23 34 | 23 34 | 13 56 | 11 12 | 0 10 |
| W20 | 9 13 | 3 51 | 4 40 | 18 17 | 1 56 | 8 15 | 1 24 | 21 27 | 1 0 | 8 16 | 1 30 | 5 10 | 2 35 | 21 43 | 0 36 | 10 1 | 1 9 | 26 24 | 4 8 | 23 34 | 23 34 | 13 59 | 11 13 | 0 10 |
| T 21 | 8 51 | 1n 9 | 4 58 | 17 53 | 1 59 | 7 46 | 1 23 | 21 18 | 1 1 | 8 15 | 1 30 | 5 12 | 2 35 | 21 43 | 0 36 | 10 2 | 1 9 | 26 24 | 4 8 | 23 34 | 23 35 | 14 1 | 11 14 | 0 10 |
| F 22 | 8 28 | 6 2 | 5 2 | 17 28 | 2 3 | 7 16 | 1 23 | 21 9 | 1 1 | 8 14 | 1 30 | 5 14 | 2 35 | 21 43 | 0 36 | 10 2 | 1 9 | 26 25 | 4 8 | 23 34 | 23 35 | 14 3 | 11 15 | 0 10 |
| S 23 | 8 6 | 10 39 | 4 52 | 17 1 | 2 6 | 6 47 | 1 22 | 20 59 | 1 2 | 8 12 | 1 30 | 5 16 | 2 35 | 21 44 | 0 36 | 10 3 | 1 9 | 26 25 | 4 8 | 23 34 | 23 35 | 14 5 | 11 15 | 0 9 |
| S 24 | 7 43 | 14 49 | 4 30 | 16 32 | 2 8 | 6 17 | 1 21 | 20 49 | 1 3 | 8 11 | 1 31 | 5 18 | 2 35 | 21 44 | 0 36 | 10 4 | 1 9 | 26 25 | 4 8 | 23 34 | 23 35 | 14 7 | 11 16 | 0 9 |
| M25 | 7 21 | 18 24 | 3 56 | 16 3 | 2 10 | 5 47 | 1 21 | 20 39 | 1 3 | 8 9 | 1 31 | 5 19 | 2 35 | 21 44 | 0 36 | 10 4 | 1 9 | 26 25 | 4 8 | 23 34 | 23 35 | 14 9 | 11 17 | 0 9 |
| T 26 | 6 58 | 21 14 | 3 12 | 15 31 | 2 12 | 5 16 | 1 20 | 20 29 | 1 4 | 8 7 | 1 31 | 5 21 | 2 35 | 21 44 | 0 36 | 10 5 | 1 9 | 26 25 | 4 8 | 23 34 | 23 35 | 14 12 | 11 18 | 0 9 |
| W27 | 6 35 | 23 10 | 2 20 | 14 59 | 2 13 | 4 46 | 1 19 | 20 18 | 1 4 | 8 6 | 1 31 | 5 23 | 2 35 | 21 45 | 0 36 | 10 5 | 1 10 | 26 25 | 4 8 | 23 34 | 23 35 | 14 14 | 11 19 | 0 9 |
| T 28 | 6s12 | 24n 4 | 1n20 | 14s25 | 2s14 | 4s15 | 1s18 | 20s 8 | 1s 5 | 8s 4 | 1n31 | 5n25 | 2n35 | 21n45 | 0n36 | 10n 6 | 1n10 | 26n25 | 4n 8 | 23s34 | 23s35 | 14n16 | 11n20 | 0n 9 |

Julian Day Number = 2068076.5, Delta T = 28m51s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°06'30, Lahiri = 9°13'31 Julian Calendar 1 Feb. 950 == Greg. Calendar 6 Feb. 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## MARCH 950 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 53 36 | 15♓20'12 | 27♊30 | 29♒26 | 23♓34 | 5♒58 | 24°R15 | 22°R18 | 25°R31 | 6°R53 | 18°R15 | 0°R23 | 29♐54 | 25♈42 | 29♈ 6 | F 1 |
| S 2 | 10 57 33 | 16°19'41 | 10♋12 | 1♓ 9 | 24°48 | 6°44 | 24♎10 | 22♍13 | 25♋30 | 6♍51 | 18♋15 | 0♑23 | 29°50 | 25°49 | 29° 9 | S 2 |
| S 3 | 11 1 30 | 17°19'07 | 23°19 | 2°53 | 26° 3 | 7°30 | 24° 6 | 22° 9 | 25°28 | 6°49 | 18°14 | 0°21 | 29°47 | 25°56 | 29°12 | S 3 |
| M 4 | 11 5 26 | 18°18'30 | 6♌55 | 4°38 | 27°17 | 8°16 | 24° 1 | 22° 4 | 25°27 | 6°48 | 18°14 | 0°17 | 29°44 | 26° 3 | 29°15 | M 4 |
| T 5 | 11 9 23 | 19°17'52 | 20°59 | 6°25 | 28°31 | 9° 3 | 23°56 | 21°59 | 25°26 | 6°46 | 18°13 | 0°10 | 29°41 | 26° 9 | 29°18 | T 5 |
| W 6 | 11 13 19 | 20°17'11 | 5♍31 | 8°13 | 29°46 | 9°49 | 23°51 | 21°55 | 25°24 | 6°44 | 18°13 | 0° 0 | 29°38 | 26°16 | 29°22 | W 6 |
| T 7 | 11 17 16 | 21°16'28 | 20°23 | 10° 3 | 1♈ 0 | 10°35 | 23°45 | 21°50 | 25°23 | 6°43 | 18°12 | 29♐49 | 29°35 | 26°23 | 29°25 | T 7 |
| F 8 | 11 21 12 | 22°15'43 | 5♎28 | 11°53 | 2°15 | 11°22 | 23°40 | 21°45 | 25°22 | 6°41 | 18°12 | 29°38 | 29°31 | 26°29 | 29°28 | F 8 |
| S 9 | 11 25 9 | 23°14'56 | 20°34 | 13°45 | 3°29 | 12° 8 | 23°34 | 21°41 | 25°21 | 6°40 | 18°11 | 29°28 | 29°28 | 26°36 | 29°31 | S 9 |
| S 10 | 11 29 5 | 24°14'07 | 5♏33 | 15°39 | 4°43 | 12°54 | 23°28 | 21°36 | 25°20 | 6°38 | 18°11 | 29°19 | 29°25 | 26°43 | 29°35 | S 10 |
| M11 | 11 33 2 | 25°13'16 | 20°16 | 17°34 | 5°58 | 13°41 | 23°23 | 21°31 | 25°19 | 6°36 | 18°10 | 29°14 | 29°22 | 26°50 | 29°38 | M11 |
| T 12 | 11 36 59 | 26°12'23 | 4♐38 | 19°30 | 7°12 | 14°27 | 23°17 | 21°27 | 25°18 | 6°35 | 18°10 | 29°11 | 29°19 | 26°56 | 29°41 | T 12 |
| W13 | 11 40 55 | 27°11'29 | 18°37 | 21°27 | 8°26 | 15°13 | 23°10 | 21°22 | 25°17 | 6°33 | 18°10 | 29° 9 | 29°15 | 27° 3 | 29°45 | W13 |
| T 14 | 11 44 52 | 28°10'33 | 2♑13 | 23°26 | 9°40 | 16° 0 | 23° 4 | 21°17 | 25°17 | 6°32 | 18° 9 | 29° 9 | 29°12 | 27°10 | 29°48 | T 14 |
| F 15 | 11 48 48 | 29° 9'35 | 15°28 | 25°26 | 10°55 | 16°46 | 22°58 | 21°13 | 25°16 | 6°30 | 18° 9 | 29° 9 | 29° 9 | 27°16 | 29°52 | F 15 |
| S 16 | 11 52 45 | 0♈ 8'35 | 28°26 | 27°27 | 12° 9 | 17°32 | 22°51 | 21° 8 | 25°15 | 6°29 | 18° 9 | 29° 7 | 29° 6 | 27°23 | 29°55 | S 16 |
| S 17 | 11 56 41 | 1° 7'33 | 11♒ 8 | 29°29 | 13°23 | 18°19 | 22°45 | 21° 4 | 25°15 | 6°27 | 18° 8 | 29° 2 | 29° 3 | 27°30 | 29°59 | S 17 |
| M18 | 12 0 38 | 2° 6'30 | 23°39 | 1♈32 | 14°37 | 19° 5 | 22°38 | 20°59 | 25°14 | 6°26 | 18° 8 | 28°55 | 29° 0 | 27°36 | 0♉ 2 | M18 |
| T 19 | 12 4 34 | 3° 5'24 | 5♓59 | 3°37 | 15°51 | 19°51 | 22°31 | 20°55 | 25°13 | 6°24 | 18° 8 | 28°45 | 28°56 | 27°43 | 0° 6 | T 19 |
| W20 | 12 8 31 | 4° 4'17 | 18°11 | 5°41 | 17° 5 | 20°37 | 22°25 | 20°50 | 25°13 | 6°23 | 18° 8 | 28°32 | 28°53 | 27°50 | 0°10 | W20 |
| T 21 | 12 12 28 | 5° 3'07 | 0♈16 | 7°47 | 18°19 | 21°24 | 22°18 | 20°46 | 25°13 | 6°22 | 18° 8 | 28°18 | 28°50 | 27°57 | 0°13 | T 21 |
| F 22 | 12 16 24 | 6° 1'56 | 12°15 | 9°53 | 19°33 | 22°10 | 22°11 | 20°41 | 25°12 | 6°20 | 18° 7 | 28° 4 | 28°47 | 28° 3 | 0°17 | F 22 |
| S 23 | 12 20 21 | 7° 0'42 | 24° 9 | 11°59 | 20°47 | 22°56 | 22° 3 | 20°37 | 25°12 | 6°19 | 18° 7 | 27°50 | 28°44 | 28°10 | 0°20 | S 23 |
| S 24 | 12 24 17 | 7°59'27 | 6♉ 0 | 14° 5 | 22° 1 | 23°43 | 21°56 | 20°32 | 25°12 | 6°17 | 18° 7 | 27°39 | 28°40 | 28°17 | 0°24 | S 24 |
| M25 | 12 28 14 | 8°58'09 | 17°49 | 16°10 | 23°15 | 24°29 | 21°49 | 20°28 | 25°11 | 6°16 | 18° 7 | 27°31 | 28°37 | 28°23 | 0°28 | M25 |
| T 26 | 12 32 10 | 9°56'49 | 29°40 | 18°15 | 24°29 | 25°15 | 21°42 | 20°24 | 25°11 | 6°15 | 18° 7 | 27°25 | 28°34 | 28°30 | 0°32 | T 26 |
| W27 | 12 36 7 | 10°55'28 | 11♊36 | 20°19 | 25°43 | 26° 1 | 21°34 | 20°20 | 25°11 | 6°13 | 18°D 7 | 27°22 | 28°31 | 28°37 | 0°35 | W27 |
| T 28 | 12 40 3 | 11°54'03 | 23°41 | 22°22 | 26°57 | 26°48 | 21°27 | 20°15 | 25°11 | 6°12 | 18° 7 | 27°D21 | 28°28 | 28°43 | 0°39 | T 28 |
| F 29 | 12 44 0 | 12°52'37 | 6♋ 0 | 24°23 | 28°11 | 27°34 | 21°19 | 20°11 | 25°D11 | 6°11 | 18° 7 | 27°21 | 28°25 | 28°50 | 0°43 | F 29 |
| S 30 | 12 47 57 | 13°51'09 | 18°38 | 26°22 | 29°25 | 28°20 | 21°12 | 20° 7 | 25°11 | 6°10 | 18° 7 | 27°R21 | 28°21 | 28°57 | 0°47 | S 30 |
| S 31 | 12 51 53 | 14♈49'38 | 1♌41 | 28♈18 | 0♉39 | 29♒ 6 | 21♎ 4 | 20♍ 3 | 25♋11 | 6♍ 8 | 18♋ 7 | 27♐20 | 28♐18 | 29♈ 4 | 0♉50 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s49 | 23n48 | 0n15 | 13s49 | 2s14 | 3s45 | 1s17 | 19s57 | 1s 5 | 8s 2 | 1n31 | 5n27 | 2n36 | 21n45 | 0n36 | 10n 7 | 1n10 | 26n25 | 4n 8 | 23s34 | 23s35 | 14n18 | 11n21 | 0n 9 |
| S 2 | 5 25 | 22 19 | 0s52 | 13 12 | 2 14 | 3 14 | 1 16 | 19 46 | 1 6 | 8 0 | 1 32 | 5 29 | 2 36 | 21 45 | 0 36 | 10 7 | 1 10 | 26 25 | 4 8 | 23 34 | 23 35 | 14 20 | 11 22 | 0 9 |
| S 3 | 5 2 | 19 36 | 1 58 | 12 34 | 2 13 | 2 43 | 1 15 | 19 34 | 1 7 | 7 59 | 1 32 | 5 31 | 2 36 | 21 46 | 0 36 | 10 8 | 1 10 | 26 25 | 4 8 | 23 34 | 23 35 | 14 22 | 11 23 | 0 9 |
| M 4 | 4 39 | 15 44 | 3 0 | 11 54 | 2 12 | 2 12 | 1 13 | 19 23 | 1 7 | 7 57 | 1 32 | 5 33 | 2 36 | 21 46 | 0 36 | 10 9 | 1 10 | 26 25 | 4 8 | 23 35 | 23 35 | 14 24 | 11 24 | 0 9 |
| T 5 | 4 16 | 10 53 | 3 54 | 11 13 | 2 10 | 1 42 | 1 12 | 19 11 | 1 8 | 7 55 | 1 32 | 5 35 | 2 36 | 21 46 | 0 36 | 10 9 | 1 10 | 26 25 | 4 8 | 23 35 | 23 34 | 14 26 | 11 25 | 0 9 |
| W 6 | 3 52 | 5 18 | 4 34 | 10 31 | 2 8 | 1 11 | 1 11 | 18 59 | 1 8 | 7 53 | 1 32 | 5 37 | 2 36 | 21 46 | 0 36 | 10 10 | 1 10 | 26 25 | 4 8 | 23 35 | 23 34 | 14 29 | 11 27 | 0 9 |
| T 7 | 3 29 | 0s42 | 4 56 | 9 47 | 2 6 | 0 40 | 1 9 | 18 47 | 1 9 | 7 50 | 1 32 | 5 39 | 2 36 | 21 46 | 0 36 | 10 10 | 1 10 | 26 25 | 4 8 | 23 35 | 23 34 | 14 31 | 11 28 | 0 8 |
| F 8 | 3 5 | 6 45 | 4 59 | 9 2 | 2 2 | 0 8 | 1 8 | 18 35 | 1 9 | 7 48 | 1 32 | 5 40 | 2 36 | 21 47 | 0 36 | 10 11 | 1 10 | 26 26 | 4 8 | 23 34 | 23 34 | 14 33 | 11 29 | 0 8 |
| S 9 | 2 42 | 12 24 | 4 41 | 8 15 | 1 59 | 0n23 | 1 6 | 18 22 | 1 10 | 7 46 | 1 33 | 5 42 | 2 36 | 21 47 | 0 36 | 10 12 | 1 10 | 26 26 | 4 8 | 23 34 | 23 34 | 14 35 | 11 30 | 0 8 |
| S 10 | 2 18 | 17 16 | 4 3 | 7 27 | 1 55 | 0 54 | 1 5 | 18 9 | 1 10 | 7 44 | 1 33 | 5 44 | 2 36 | 21 47 | 0 36 | 10 12 | 1 10 | 26 26 | 4 8 | 23 34 | 23 34 | 14 37 | 11 31 | 0 8 |
| M11 | 1 55 | 20 58 | 3 10 | 6 38 | 1 50 | 1 25 | 1 3 | 17 57 | 1 11 | 7 42 | 1 33 | 5 46 | 2 36 | 21 47 | 0 36 | 10 13 | 1 10 | 26 26 | 4 8 | 23 34 | 23 34 | 14 39 | 11 32 | 0 8 |
| T 12 | 1 31 | 23 15 | 2 6 | 5 47 | 1 45 | 1 56 | 1 2 | 17 44 | 1 11 | 7 39 | 1 33 | 5 48 | 2 36 | 21 47 | 0 36 | 10 13 | 1 10 | 26 26 | 4 8 | 23 34 | 23 34 | 14 41 | 11 33 | 0 8 |
| W13 | 1 7 | 24 0 | 0 55 | 4 55 | 1 39 | 2 27 | 1 0 | 17 30 | 1 12 | 7 37 | 1 33 | 5 50 | 2 36 | 21 47 | 0 36 | 10 14 | 1 10 | 26 26 | 4 8 | 23 34 | 23 34 | 14 43 | 11 34 | 0 8 |
| T 14 | 0 44 | 23 17 | 0n16 | 4 2 | 1 33 | 2 58 | 0 58 | 17 17 | 1 12 | 7 34 | 1 33 | 5 52 | 2 36 | 21 48 | 0 36 | 10 14 | 1 10 | 26 26 | 4 8 | 23 34 | 23 34 | 14 45 | 11 35 | 0 8 |
| F 15 | 0 20 | 21 16 | 1 25 | 3 8 | 1 26 | 3 29 | 0 56 | 17 3 | 1 13 | 7 32 | 1 33 | 5 53 | 2 36 | 21 48 | 0 36 | 10 15 | 1 10 | 26 26 | 4 8 | 23 34 | 23 34 | 14 47 | 11 37 | 0 8 |
| S 16 | 0n 3 | 18 11 | 2 28 | 2 13 | 1 19 | 3 59 | 0 55 | 16 50 | 1 13 | 7 30 | 1 33 | 5 55 | 2 36 | 21 48 | 0 36 | 10 16 | 1 10 | 26 26 | 4 8 | 23 34 | 23 34 | 14 49 | 11 38 | 0 8 |
| S 17 | 0 27 | 14 17 | 3 22 | 1 17 | 1 11 | 4 30 | 0 53 | 16 36 | 1 14 | 7 27 | 1 33 | 5 57 | 2 36 | 21 48 | 0 36 | 10 16 | 1 9 | 26 26 | 4 8 | 23 34 | 23 34 | 14 51 | 11 39 | 0 8 |
| M18 | 0 51 | 9 51 | 4 6 | 0 20 | 1 2 | 5 1 | 0 51 | 16 22 | 1 14 | 7 24 | 1 34 | 5 59 | 2 36 | 21 48 | 0 36 | 10 17 | 1 9 | 26 26 | 4 8 | 23 34 | 23 34 | 14 54 | 11 40 | 0 8 |
| T 19 | 1 14 | 5 5 | 4 37 | 0n37 | 0 54 | 5 31 | 0 49 | 16 7 | 1 15 | 7 22 | 1 34 | 6 1 | 2 36 | 21 48 | 0 36 | 10 17 | 1 9 | 26 26 | 4 8 | 23 34 | 23 34 | 14 56 | 11 41 | 0 8 |
| W20 | 1 38 | 0 10 | 4 55 | 1 36 | 0 44 | 6 2 | 0 47 | 15 53 | 1 15 | 7 19 | 1 34 | 6 2 | 2 36 | 21 48 | 0 36 | 10 18 | 1 9 | 26 26 | 4 8 | 23 34 | 23 34 | 14 58 | 11 43 | 0 7 |
| T 21 | 2 1 | 4n41 | 4 59 | 2 34 | 0 35 | 6 32 | 0 45 | 15 38 | 1 16 | 7 17 | 1 34 | 6 4 | 2 36 | 21 48 | 0 36 | 10 18 | 1 9 | 26 26 | 4 8 | 23 34 | 23 34 | 15 0 | 11 44 | 0 7 |
| F 22 | 2 25 | 9 19 | 4 51 | 3 34 | 0 25 | 7 2 | 0 43 | 15 24 | 1 16 | 7 14 | 1 34 | 6 6 | 2 36 | 21 48 | 0 36 | 10 19 | 1 9 | 26 26 | 4 8 | 23 34 | 23 34 | 15 2 | 11 45 | 0 7 |
| S 23 | 2 48 | 13 35 | 4 29 | 4 33 | 0 14 | 7 32 | 0 40 | 15 9 | 1 16 | 7 11 | 1 34 | 6 8 | 2 36 | 21 48 | 0 36 | 10 19 | 1 9 | 26 26 | 4 7 | 23 33 | 23 34 | 15 4 | 11 46 | 0 7 |
| S 24 | 3 11 | 17 18 | 3 56 | 5 32 | 0 3 | 8 2 | 0 38 | 14 54 | 1 17 | 7 8 | 1 34 | 6 9 | 2 36 | 21 48 | 0 36 | 10 20 | 1 9 | 26 26 | 4 7 | 23 33 | 23 34 | 15 6 | 11 47 | 0 7 |
| M25 | 3 35 | 20 19 | 3 13 | 6 31 | 0n 7 | 8 32 | 0 36 | 14 39 | 1 17 | 7 6 | 1 34 | 6 11 | 2 36 | 21 48 | 0 36 | 10 20 | 1 9 | 26 26 | 4 7 | 23 33 | 23 34 | 15 8 | 11 49 | 0 7 |
| T 26 | 3 58 | 22 29 | 2 21 | 7 29 | 0 18 | 9 1 | 0 34 | 14 24 | 1 18 | 7 3 | 1 34 | 6 13 | 2 36 | 21 48 | 0 36 | 10 21 | 1 9 | 26 26 | 4 7 | 23 33 | 23 34 | 15 10 | 11 50 | 0 7 |
| W27 | 4 21 | 23 40 | 1 23 | 8 26 | 0 30 | 9 30 | 0 32 | 14 8 | 1 18 | 7 0 | 1 34 | 6 14 | 2 36 | 21 48 | 0 36 | 10 21 | 1 9 | 26 25 | 4 7 | 23 33 | 23 34 | 15 12 | 11 51 | 0 7 |
| T 28 | 4 44 | 23 45 | 0 19 | 9 23 | 0 41 | 9 59 | 0 29 | 13 53 | 1 18 | 6 57 | 1 34 | 6 16 | 2 36 | 21 48 | 0 36 | 10 22 | 1 9 | 26 25 | 4 7 | 23 33 | 23 34 | 15 14 | 11 52 | 0 7 |
| F 29 | 5 7 | 22 41 | 0s46 | 10 18 | 0 52 | 10 28 | 0 27 | 13 37 | 1 19 | 6 55 | 1 34 | 6 17 | 2 36 | 21 48 | 0 36 | 10 22 | 1 9 | 26 25 | 4 7 | 23 33 | 23 34 | 15 16 | 11 54 | 0 7 |
| S 30 | 5 30 | 20 27 | 1 50 | 11 12 | 1 3 | 10 57 | 0 25 | 13 22 | 1 19 | 6 52 | 1 34 | 6 19 | 2 36 | 21 48 | 0 36 | 10 23 | 1 9 | 26 25 | 4 7 | 23 33 | 23 34 | 15 18 | 11 55 | 0 7 |
| S 31 | 5n52 | 17n 7 | 2s52 | 12n 5 | 1n13 | 11n25 | 0s22 | 13s 6 | 1s20 | 6s49 | 1n34 | 6n20 | 2n35 | 21n48 | 0n36 | 10n23 | 1n 9 | 26n25 | 4n 7 | 23s33 | 23s34 | 15n20 | 11n56 | 0n 7 |

Julian Day Number = 2068104.5, Delta T = 28m51s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°06'34, Lahiri = 9°13'35 Julian Calendar 1 March 950 == Greg. Calendar 6 March 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## APRIL 950 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 55 50 | 15♈48'05 | 15♌11 | 0♉12 | 1♉52 | 29♒52 | 20°R57 | 19°R59 | 25♋11 | 6°R 7 | 18♋ 7 | 27°R17 | 28♐15 | 29♈10 | 0♉54 | M 1 |
| T 2 | 12 59 46 | 16°46'29 | 29°11 | 2° 3 | 3° 6 | 0♓38 | 20♎49 | 19♍55 | 25°12 | 6♍ 6 | 18° 8 | 27♐11 | 28°12 | 29°17 | 0°58 | T 2 |
| W 3 | 13 3 43 | 17°44'52 | 13♍41 | 3°51 | 4°20 | 1°24 | 20°42 | 19°51 | 25°12 | 6° 5 | 18° 8 | 27° 3 | 28° 9 | 29°24 | 1° 2 | W 3 |
| T 4 | 13 7 39 | 18°43'12 | 28°35 | 5°36 | 5°33 | 2°11 | 20°34 | 19°48 | 25°12 | 6° 4 | 18° 8 | 26°54 | 28° 6 | 29°30 | 1° 6 | T 4 |
| F 5 | 13 11 36 | 19°41'31 | 13♎47 | 7°17 | 6°47 | 2°57 | 20°26 | 19°44 | 25°12 | 6° 3 | 18° 8 | 26°44 | 28° 2 | 29°37 | 1°10 | F 5 |
| S 6 | 13 15 32 | 20°39'47 | 29° 6 | 8°54 | 8° 1 | 3°43 | 20°19 | 19°40 | 25°13 | 6° 1 | 18° 9 | 26°35 | 27°59 | 29°44 | 1°13 | S 6 |
| S 7 | 13 19 29 | 21°38'02 | 14♏20 | 10°27 | 9°14 | 4°29 | 20°11 | 19°37 | 25°13 | 6° 0 | 18° 9 | 26°27 | 27°56 | 29°51 | 1°17 | S 7 |
| M 8 | 13 23 25 | 22°36'15 | 29°19 | 11°57 | 10°28 | 5°15 | 20° 3 | 19°33 | 25°14 | 5°59 | 18° 9 | 26°22 | 27°53 | 29°57 | 1°21 | M 8 |
| T 9 | 13 27 22 | 23°34'27 | 13♐56 | 13°22 | 11°41 | 6° 1 | 19°56 | 19°30 | 25°15 | 5°58 | 18° 9 | 26°20 | 27°50 | 0♉ 4 | 1°25 | T 9 |
| W10 | 13 31 19 | 24°32'37 | 28° 7 | 14°42 | 12°55 | 6°47 | 19°48 | 19°26 | 25°15 | 5°57 | 18°10 | 26°D19 | 27°46 | 0°11 | 1°29 | W10 |
| T 11 | 13 35 15 | 25°30'46 | 11♑52 | 15°58 | 14° 8 | 7°33 | 19°40 | 19°23 | 25°16 | 5°56 | 18°10 | 26°20 | 27°43 | 0°17 | 1°33 | T 11 |
| F 12 | 13 39 12 | 26°28'53 | 25°10 | 17°10 | 15°22 | 8°19 | 19°33 | 19°20 | 25°17 | 5°55 | 18°11 | 26°R20 | 27°40 | 0°24 | 1°37 | F 12 |
| S 13 | 13 43 8 | 27°26'58 | 8♒ 7 | 18°17 | 16°35 | 9° 5 | 19°25 | 19°16 | 25°17 | 5°55 | 18°11 | 26°20 | 27°37 | 0°31 | 1°41 | S 13 |
| S 14 | 13 47 5 | 28°25'03 | 20°44 | 19°20 | 17°49 | 9°50 | 19°18 | 19°13 | 25°18 | 5°54 | 18°12 | 26°17 | 27°34 | 0°37 | 1°45 | S 14 |
| M15 | 13 51 1 | 29°23'05 | 3♓ 7 | 20°18 | 19° 2 | 10°36 | 19°10 | 19°10 | 25°19 | 5°53 | 18°12 | 26°13 | 27°31 | 0°44 | 1°49 | M15 |
| T 16 | 13 54 58 | 0♉21'06 | 15°18 | 21°11 | 20°15 | 11°22 | 19° 3 | 19° 7 | 25°20 | 5°52 | 18°12 | 26° 6 | 27°27 | 0°51 | 1°53 | T 16 |
| W17 | 13 58 54 | 1°19'06 | 27°21 | 22° 0 | 21°29 | 12° 8 | 18°55 | 19° 4 | 25°21 | 5°51 | 18°13 | 25°57 | 27°24 | 0°58 | 1°56 | W17 |
| T 18 | 14 2 51 | 2°17'04 | 9♈18 | 22°43 | 22°42 | 12°54 | 18°48 | 19° 2 | 25°22 | 5°50 | 18°14 | 25°47 | 27°21 | 1° 4 | 2° 0 | T 18 |
| F 19 | 14 6 48 | 3°15'01 | 21°11 | 23°22 | 23°55 | 13°40 | 18°41 | 18°59 | 25°23 | 5°50 | 18°14 | 25°36 | 27°18 | 1°11 | 2° 4 | F 19 |
| S 20 | 14 10 44 | 4°12'56 | 3♉ 1 | 23°55 | 25° 9 | 14°25 | 18°34 | 18°56 | 25°24 | 5°49 | 18°15 | 25°27 | 27°15 | 1°18 | 2° 8 | S 20 |
| S 21 | 14 14 41 | 5°10'50 | 14°51 | 24°24 | 26°22 | 15°11 | 18°27 | 18°54 | 25°26 | 5°48 | 18°15 | 25°19 | 27°11 | 1°24 | 2°12 | S 21 |
| M22 | 14 18 37 | 6° 8'42 | 26°43 | 24°47 | 27°35 | 15°57 | 18°20 | 18°51 | 25°27 | 5°48 | 18°16 | 25°13 | 27° 8 | 1°31 | 2°16 | M22 |
| T 23 | 14 22 34 | 7° 6'33 | 8♊37 | 25° 6 | 28°48 | 16°42 | 18°13 | 18°49 | 25°28 | 5°47 | 18°17 | 25° 9 | 27° 5 | 1°38 | 2°20 | T 23 |
| W24 | 14 26 30 | 8° 4'22 | 20°38 | 25°19 | 0♊ 1 | 17°28 | 18° 6 | 18°47 | 25°30 | 5°46 | 18°17 | 25°D 8 | 27° 2 | 1°44 | 2°24 | W24 |
| T 25 | 14 30 27 | 9° 2'09 | 2♋48 | 25°28 | 1°14 | 18°13 | 17°59 | 18°45 | 25°31 | 5°46 | 18°18 | 25° 8 | 26°59 | 1°51 | 2°28 | T 25 |
| F 26 | 14 34 23 | 9°59'55 | 15°10 | 25°R31 | 2°27 | 18°59 | 17°52 | 18°43 | 25°32 | 5°45 | 18°19 | 25° 9 | 26°56 | 1°58 | 2°32 | F 26 |
| S 27 | 14 38 20 | 10°57'39 | 27°50 | 25°30 | 3°40 | 19°44 | 17°46 | 18°41 | 25°34 | 5°45 | 18°20 | 25°10 | 26°52 | 2° 5 | 2°36 | S 27 |
| S 28 | 14 42 17 | 11°55'21 | 10♌50 | 25°24 | 4°53 | 20°30 | 17°39 | 18°39 | 25°36 | 5°44 | 18°21 | 25°R11 | 26°49 | 2°11 | 2°40 | S 28 |
| M29 | 14 46 13 | 12°53'02 | 24°15 | 25°13 | 6° 6 | 21°15 | 17°33 | 18°37 | 25°37 | 5°44 | 18°21 | 25°10 | 26°46 | 2°18 | 2°44 | M29 |
| T 30 | 14 50 10 | 13♉50'41 | 8♍ 7 | 24♉59 | 7♊19 | 22♓ 0 | 17♎27 | 18♍35 | 25♋39 | 5♍44 | 18♋22 | 25♐ 8 | 26♐43 | 2♉25 | 2♉47 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n15 | 12n47 | 3s45 | 12n55 | 1n24 | 11n53 | 0s20 | 12s50 | 1s20 | 6s46 | 1n34 | 6n22 | 2n35 | 21n48 | 0n36 | 10n23 | 1n 9 | 26n25 | 4n 7 | 23s33 | 23s34 | 15n22 | 11n57 | 0n 7 |
| T 2 | 6 38 | 7 39 | 4 28 | 13 43 | 1 34 | 12 21 | 0 17 | 12 34 | 1 20 | 6 43 | 1 34 | 6 23 | 2 35 | 21 48 | 0 36 | 10 24 | 1 9 | 26 25 | 4 7 | 23 33 | 23 34 | 15 24 | 11 59 | 0 6 |
| W 3 | 7 0 | 1 55 | 4 54 | 14 30 | 1 43 | 12 48 | 0 15 | 12 17 | 1 21 | 6 40 | 1 34 | 6 25 | 2 35 | 21 48 | 0 35 | 10 24 | 1 9 | 26 25 | 4 7 | 23 33 | 23 34 | 15 26 | 12 0 | 0 6 |
| T 4 | 7 22 | 4s 3 | 5 2 | 15 14 | 1 53 | 13 15 | 0 12 | 12 1 | 1 21 | 6 38 | 1 34 | 6 26 | 2 35 | 21 48 | 0 35 | 10 25 | 1 9 | 26 25 | 4 7 | 23 32 | 23 34 | 15 28 | 12 1 | 0 6 |
| F 5 | 7 45 | 9 54 | 4 49 | 15 55 | 2 1 | 13 42 | 0 10 | 11 45 | 1 21 | 6 35 | 1 34 | 6 28 | 2 35 | 21 48 | 0 35 | 10 25 | 1 9 | 26 25 | 4 7 | 23 32 | 23 34 | 15 30 | 12 2 | 0 6 |
| S 6 | 8 7 | 15 12 | 4 16 | 16 35 | 2 9 | 14 9 | 0 7 | 11 28 | 1 22 | 6 32 | 1 34 | 6 29 | 2 35 | 21 48 | 0 35 | 10 25 | 1 9 | 26 25 | 4 7 | 23 32 | 23 34 | 15 32 | 12 4 | 0 6 |
| S 7 | 8 29 | 19 28 | 3 24 | 17 11 | 2 16 | 14 35 | 0 5 | 11 12 | 1 22 | 6 29 | 1 34 | 6 30 | 2 35 | 21 48 | 0 35 | 10 26 | 1 9 | 26 25 | 4 7 | 23 32 | 23 34 | 15 34 | 12 5 | 0 6 |
| M 8 | 8 51 | 22 22 | 2 19 | 17 46 | 2 22 | 15 1 | 0 2 | 10 55 | 1 22 | 6 26 | 1 34 | 6 32 | 2 35 | 21 47 | 0 35 | 10 26 | 1 9 | 26 25 | 4 7 | 23 32 | 23 33 | 15 36 | 12 6 | 0 6 |
| T 9 | 9 12 | 23 41 | 1 6 | 18 17 | 2 28 | 15 26 | 0n 0 | 10 38 | 1 23 | 6 23 | 1 34 | 6 33 | 2 35 | 21 47 | 0 35 | 10 27 | 1 9 | 26 25 | 4 7 | 23 31 | 23 33 | 15 38 | 12 8 | 0 6 |
| W10 | 9 34 | 23 24 | 0n10 | 18 46 | 2 33 | 15 51 | 0 3 | 10 21 | 1 23 | 6 20 | 1 34 | 6 34 | 2 34 | 21 47 | 0 35 | 10 27 | 1 9 | 26 25 | 4 7 | 23 31 | 23 33 | 15 40 | 12 9 | 0 6 |
| T 11 | 9 55 | 21 41 | 1 22 | 19 12 | 2 36 | 16 16 | 0 6 | 10 4 | 1 23 | 6 18 | 1 34 | 6 35 | 2 34 | 21 47 | 0 35 | 10 27 | 1 9 | 26 24 | 4 7 | 23 31 | 23 33 | 15 42 | 12 10 | 0 6 |
| F 12 | 10 16 | 18 48 | 2 28 | 19 36 | 2 39 | 16 40 | 0 8 | 9 47 | 1 24 | 6 15 | 1 34 | 6 36 | 2 34 | 21 47 | 0 35 | 10 28 | 1 9 | 26 24 | 4 7 | 23 31 | 23 33 | 15 44 | 12 12 | 0 6 |
| S 13 | 10 37 | 15 3 | 3 24 | 19 57 | 2 41 | 17 4 | 0 11 | 9 30 | 1 24 | 6 12 | 1 33 | 6 38 | 2 34 | 21 47 | 0 35 | 10 28 | 1 9 | 26 24 | 4 7 | 23 31 | 23 33 | 15 46 | 12 13 | 0 6 |
| S 14 | 10 58 | 10 44 | 4 9 | 20 16 | 2 42 | 17 27 | 0 13 | 9 13 | 1 24 | 6 9 | 1 33 | 6 39 | 2 34 | 21 46 | 0 35 | 10 28 | 1 9 | 26 24 | 4 7 | 23 31 | 23 33 | 15 47 | 12 14 | 0 6 |
| M15 | 11 19 | 6 3 | 4 41 | 20 32 | 2 42 | 17 50 | 0 16 | 8 56 | 1 24 | 6 7 | 1 33 | 6 40 | 2 34 | 21 46 | 0 35 | 10 29 | 1 9 | 26 24 | 4 7 | 23 31 | 23 33 | 15 49 | 12 15 | 0 6 |
| T 16 | 11 40 | 1 13 | 5 0 | 20 45 | 2 42 | 18 12 | 0 19 | 8 39 | 1 25 | 6 4 | 1 33 | 6 41 | 2 34 | 21 46 | 0 35 | 10 29 | 1 9 | 26 24 | 4 7 | 23 31 | 23 33 | 15 51 | 12 17 | 0 5 |
| W17 | 12 0 | 3n36 | 5 5 | 20 56 | 2 40 | 18 34 | 0 21 | 8 21 | 1 25 | 6 1 | 1 33 | 6 42 | 2 33 | 21 46 | 0 35 | 10 29 | 1 9 | 26 24 | 4 7 | 23 31 | 23 33 | 15 53 | 12 18 | 0 5 |
| T 18 | 12 20 | 8 15 | 4 57 | 21 5 | 2 37 | 18 56 | 0 24 | 8 4 | 1 25 | 5 58 | 1 33 | 6 43 | 2 33 | 21 46 | 0 35 | 10 29 | 1 9 | 26 24 | 4 6 | 23 30 | 23 33 | 15 55 | 12 19 | 0 5 |
| F 19 | 12 40 | 12 34 | 4 36 | 21 11 | 2 32 | 19 17 | 0 26 | 7 46 | 1 25 | 5 56 | 1 33 | 6 44 | 2 33 | 21 45 | 0 35 | 10 30 | 1 9 | 26 24 | 4 6 | 23 30 | 23 33 | 15 57 | 12 21 | 0 5 |
| S 20 | 13 0 | 16 23 | 4 3 | 21 14 | 2 27 | 19 38 | 0 29 | 7 29 | 1 26 | 5 53 | 1 33 | 6 45 | 2 33 | 21 45 | 0 35 | 10 30 | 1 9 | 26 24 | 4 6 | 23 30 | 23 33 | 15 59 | 12 22 | 0 5 |
| S 21 | 13 19 | 19 33 | 3 19 | 21 15 | 2 21 | 19 58 | 0 31 | 7 11 | 1 26 | 5 51 | 1 33 | 6 45 | 2 33 | 21 45 | 0 35 | 10 30 | 1 9 | 26 23 | 4 6 | 23 29 | 23 33 | 16 1 | 12 23 | 0 5 |
| M22 | 13 39 | 21 55 | 2 27 | 21 14 | 2 14 | 20 17 | 0 34 | 6 54 | 1 26 | 5 48 | 1 32 | 6 46 | 2 33 | 21 45 | 0 35 | 10 30 | 1 9 | 26 23 | 4 6 | 23 29 | 23 33 | 16 3 | 12 24 | 0 5 |
| T 23 | 13 58 | 23 19 | 1 28 | 21 10 | 2 5 | 20 36 | 0 37 | 6 36 | 1 26 | 5 46 | 1 32 | 6 47 | 2 32 | 21 44 | 0 35 | 10 31 | 1 9 | 26 23 | 4 6 | 23 29 | 23 33 | 16 5 | 12 26 | 0 5 |
| W24 | 14 17 | 23 39 | 0 24 | 21 4 | 1 56 | 20 54 | 0 39 | 6 18 | 1 26 | 5 43 | 1 32 | 6 48 | 2 32 | 21 44 | 0 35 | 10 31 | 1 9 | 26 23 | 4 6 | 23 29 | 23 32 | 16 7 | 12 27 | 0 5 |
| T 25 | 14 35 | 22 51 | 0s41 | 20 56 | 1 45 | 21 12 | 0 42 | 6 1 | 1 27 | 5 41 | 1 32 | 6 48 | 2 32 | 21 44 | 0 35 | 10 31 | 1 9 | 26 23 | 4 6 | 23 29 | 23 32 | 16 9 | 12 28 | 0 5 |
| F 26 | 14 54 | 20 57 | 1 46 | 20 46 | 1 33 | 21 29 | 0 44 | 5 43 | 1 27 | 5 38 | 1 32 | 6 49 | 2 32 | 21 44 | 0 35 | 10 31 | 1 9 | 26 23 | 4 6 | 23 29 | 23 32 | 16 10 | 12 30 | 0 5 |
| S 27 | 15 12 | 17 58 | 2 48 | 20 33 | 1 21 | 21 46 | 0 47 | 5 25 | 1 27 | 5 36 | 1 32 | 6 50 | 2 32 | 21 43 | 0 35 | 10 31 | 1 9 | 26 23 | 4 6 | 23 29 | 23 32 | 16 12 | 12 31 | 0 5 |
| S 28 | 15 30 | 14 3 | 3 42 | 20 18 | 1 7 | 22 2 | 0 49 | 5 7 | 1 27 | 5 34 | 1 31 | 6 50 | 2 32 | 21 43 | 0 35 | 10 31 | 1 9 | 26 22 | 4 6 | 23 29 | 23 32 | 16 14 | 12 32 | 0 5 |
| M29 | 15 48 | 9 19 | 4 26 | 20 2 | 0 53 | 22 18 | 0 52 | 4 49 | 1 27 | 5 31 | 1 31 | 6 51 | 2 31 | 21 43 | 0 35 | 10 32 | 1 9 | 26 22 | 4 6 | 23 29 | 23 32 | 16 16 | 12 33 | 0 4 |
| T 30 | 16n 5 | 3n59 | 4s57 | 19n44 | 0n38 | 22n32 | 0n54 | 4s32 | 1s27 | 5s29 | 1n31 | 6n51 | 2n31 | 21n42 | 0n35 | 10n32 | 1n 9 | 26n22 | 4n 6 | 23s29 | 23s32 | 16n18 | 12n35 | 0n 4 |

Julian Day Number = 2068135.5, Delta T = 28m50s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°06'38, Lahiri = 9°13'39 Julian Calendar 1 Apr. 950 == Greg. Calendar 6 Apr. 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## MAY 950 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 54 6 | 14♉48'18 | 22♍26 | 24°R40 | 8♊32 | 22♓46 | 17°R21 | 18°R34 | 25♋40 | 5°R43 | 18♋23 | 25°R 4 | 26♐40 | 2♉31 | 2♉51 | W 1 |
| T 2 | 14 58 3 | 15°45'54 | 7♎ 9 | 24♉18 | 9°45 | 23°31 | 17♎15 | 18♍32 | 25°42 | 5♍43 | 18°24 | 24♐59 | 26°37 | 2°38 | 2°55 | T 2 |
| F 3 | 15 1 59 | 16°43'28 | 22°12 | 23°52 | 10°58 | 24°16 | 17° 9 | 18°31 | 25°44 | 5°42 | 18°25 | 24°54 | 26°33 | 2°45 | 2°59 | F 3 |
| S 4 | 15 5 56 | 17°41'01 | 7♏24 | 23°24 | 12°10 | 25° 1 | 17° 3 | 18°30 | 25°46 | 5°42 | 18°26 | 24°48 | 26°30 | 2°51 | 3° 3 | S 4 |
| S 5 | 15 9 52 | 18°38'32 | 22°38 | 22°54 | 13°23 | 25°46 | 16°57 | 18°28 | 25°48 | 5°42 | 18°27 | 24°44 | 26°27 | 2°58 | 3° 7 | S 5 |
| M 6 | 15 13 49 | 19°36'03 | 7♐41 | 22°22 | 14°36 | 26°31 | 16°52 | 18°27 | 25°50 | 5°42 | 18°28 | 24°42 | 26°24 | 3° 5 | 3°11 | M 6 |
| T 7 | 15 17 46 | 20°33'33 | 22°26 | 21°48 | 15°49 | 27°16 | 16°46 | 18°26 | 25°52 | 5°42 | 18°29 | 24°D41 | 26°21 | 3°11 | 3°14 | T 7 |
| W 8 | 15 21 42 | 21°31'01 | 6♑47 | 21°15 | 17° 1 | 28° 1 | 16°41 | 18°25 | 25°54 | 5°41 | 18°30 | 24°41 | 26°17 | 3°18 | 3°18 | W 8 |
| T 9 | 15 25 39 | 22°28'29 | 20°40 | 20°41 | 18°14 | 28°46 | 16°36 | 18°24 | 25°56 | 5°41 | 18°31 | 24°42 | 26°14 | 3°25 | 3°22 | T 9 |
| F 10 | 15 29 35 | 23°25'56 | 4♒ 7 | 20° 8 | 19°26 | 29°31 | 16°31 | 18°24 | 25°58 | 5°41 | 18°32 | 24°44 | 26°11 | 3°32 | 3°26 | F 10 |
| S 11 | 15 33 32 | 24°23'22 | 17° 9 | 19°35 | 20°39 | 0♈16 | 16°26 | 18°23 | 26° 0 | 5°41 | 18°33 | 24°45 | 26° 8 | 3°38 | 3°29 | S 11 |
| S 12 | 15 37 28 | 25°20'47 | 29°48 | 19° 5 | 21°51 | 1° 1 | 16°22 | 18°23 | 26° 2 | 5°D41 | 18°34 | 24°R45 | 26° 5 | 3°45 | 3°33 | S 12 |
| M13 | 15 41 25 | 26°18'12 | 12♓10 | 18°37 | 23° 4 | 1°46 | 16°17 | 18°22 | 26° 4 | 5°41 | 18°35 | 24°44 | 26° 2 | 3°52 | 3°37 | M13 |
| T 14 | 15 45 21 | 27°15'35 | 24°19 | 18°12 | 24°16 | 2°30 | 16°13 | 18°22 | 26° 7 | 5°41 | 18°36 | 24°42 | 25°58 | 3°58 | 3°41 | T 14 |
| W15 | 15 49 18 | 28°12'58 | 6♈18 | 17°49 | 25°29 | 3°15 | 16° 9 | 18°22 | 26° 9 | 5°41 | 18°37 | 24°38 | 25°55 | 4° 5 | 3°44 | W15 |
| T 16 | 15 53 15 | 29°10'21 | 18°11 | 17°30 | 26°41 | 4° 0 | 16° 5 | 18°22 | 26°11 | 5°41 | 18°39 | 24°34 | 25°52 | 4°12 | 3°48 | T 16 |
| F 17 | 15 57 11 | 0♊ 7'43 | 0♉ 1 | 17°15 | 27°53 | 4°44 | 16° 1 | 18°D22 | 26°14 | 5°41 | 18°40 | 24°30 | 25°49 | 4°18 | 3°52 | F 17 |
| S 18 | 16 1 8 | 1° 5'04 | 11°51 | 17° 4 | 29° 6 | 5°29 | 15°57 | 18°22 | 26°16 | 5°42 | 18°41 | 24°26 | 25°46 | 4°25 | 3°55 | S 18 |
| S 19 | 16 5 4 | 2° 2'24 | 23°43 | 16°57 | 0♋18 | 6°13 | 15°54 | 18°22 | 26°19 | 5°42 | 18°42 | 24°23 | 25°43 | 4°32 | 3°59 | S 19 |
| M20 | 16 9 1 | 2°59'44 | 5♊40 | 16°D55 | 1°30 | 6°57 | 15°50 | 18°22 | 26°21 | 5°42 | 18°43 | 24°21 | 25°39 | 4°39 | 4° 2 | M20 |
| T 21 | 16 12 57 | 3°57'03 | 17°43 | 16°56 | 2°42 | 7°42 | 15°47 | 18°22 | 26°24 | 5°42 | 18°45 | 24°20 | 25°36 | 4°45 | 4° 6 | T 21 |
| W22 | 16 16 54 | 4°54'21 | 29°55 | 17° 3 | 3°55 | 8°26 | 15°44 | 18°23 | 26°26 | 5°43 | 18°46 | 24°D20 | 25°33 | 4°52 | 4° 9 | W22 |
| T 23 | 16 20 50 | 5°51'38 | 12♋16 | 17°13 | 5° 7 | 9°10 | 15°41 | 18°24 | 26°29 | 5°43 | 18°47 | 24°20 | 25°30 | 4°59 | 4°13 | T 23 |
| F 24 | 16 24 47 | 6°48'55 | 24°50 | 17°29 | 6°19 | 9°54 | 15°38 | 18°24 | 26°32 | 5°43 | 18°49 | 24°22 | 25°27 | 5° 5 | 4°16 | F 24 |
| S 25 | 16 28 44 | 7°46'11 | 7♌39 | 17°49 | 7°31 | 10°38 | 15°36 | 18°25 | 26°34 | 5°44 | 18°50 | 24°23 | 25°23 | 5°12 | 4°20 | S 25 |
| S 26 | 16 32 40 | 8°43'25 | 20°45 | 18°13 | 8°43 | 11°22 | 15°34 | 18°26 | 26°37 | 5°44 | 18°51 | 24°24 | 25°20 | 5°19 | 4°23 | S 26 |
| M27 | 16 36 37 | 9°40'39 | 4♍11 | 18°42 | 9°55 | 12° 6 | 15°32 | 18°27 | 26°40 | 5°45 | 18°53 | 24°R25 | 25°17 | 5°25 | 4°27 | M27 |
| T 28 | 16 40 33 | 10°37'53 | 17°57 | 19°15 | 11° 7 | 12°50 | 15°30 | 18°28 | 26°43 | 5°45 | 18°54 | 24°25 | 25°14 | 5°32 | 4°30 | T 28 |
| W29 | 16 44 30 | 11°35'05 | 2♎ 5 | 19°53 | 12°18 | 13°34 | 15°28 | 18°29 | 26°45 | 5°46 | 18°55 | 24°24 | 25°11 | 5°39 | 4°33 | W29 |
| T 30 | 16 48 26 | 12°32'16 | 16°32 | 20°35 | 13°30 | 14°17 | 15°26 | 18°31 | 26°48 | 5°46 | 18°57 | 24°23 | 25° 8 | 5°45 | 4°37 | T 30 |
| F 31 | 16 52 23 | 13♊29'27 | 1♏15 | 21♉21 | 14♋42 | 15♈ 1 | 15♎25 | 18♍32 | 26♋51 | 5♍47 | 18♋58 | 24♐22 | 25♐ 4 | 5♉52 | 4♉40 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n22 | 1s43 | 5s10 | 19n24 | 0n22 | 22n47 | 0n56 | 4s14 | 1s28 | 5s27 | 1n31 | 6n52 | 2n31 | 21n42 | 0n35 | 10n32 | 1n 9 | 26n22 | 4n 6 | 23s29 | 23s32 | 16n20 | 12n36 | 0n 4 |
| T 2 | 16 39 | 7 29 | 5 3 | 19 2 | 0 5 | 23 0 | 0 59 | 3 56 | 1 28 | 5 25 | 1 31 | 6 52 | 2 31 | 21 42 | 0 35 | 10 32 | 1 9 | 26 22 | 4 6 | 23 29 | 23 32 | 16 22 | 12 37 | 0 4 |
| F 3 | 16 56 | 12 57 | 4 36 | 18 40 | 0s12 | 23 13 | 1 1 | 3 38 | 1 28 | 5 23 | 1 31 | 6 52 | 2 31 | 21 41 | 0 35 | 10 32 | 1 9 | 26 22 | 4 6 | 23 29 | 23 32 | 16 23 | 12 39 | 0 4 |
| S 4 | 17 12 | 17 40 | 3 49 | 18 16 | 0 29 | 23 26 | 1 3 | 3 20 | 1 28 | 5 21 | 1 30 | 6 53 | 2 30 | 21 41 | 0 35 | 10 32 | 1 9 | 26 22 | 4 6 | 23 28 | 23 32 | 16 25 | 12 40 | 0 4 |
| S 5 | 17 28 | 21 12 | 2 46 | 17 51 | 0 46 | 23 37 | 1 6 | 3 2 | 1 28 | 5 19 | 1 30 | 6 53 | 2 30 | 21 40 | 0 35 | 10 32 | 1 9 | 26 21 | 4 6 | 23 28 | 23 32 | 16 27 | 12 41 | 0 4 |
| M 6 | 17 44 | 23 13 | 1 31 | 17 26 | 1 4 | 23 48 | 1 8 | 2 44 | 1 28 | 5 17 | 1 30 | 6 53 | 2 30 | 21 40 | 0 35 | 10 32 | 1 9 | 26 21 | 4 6 | 23 28 | 23 32 | 16 29 | 12 42 | 0 4 |
| T 7 | 17 59 | 23 34 | 0 12 | 17 1 | 1 21 | 23 58 | 1 10 | 2 26 | 1 28 | 5 15 | 1 30 | 6 54 | 2 30 | 21 40 | 0 35 | 10 32 | 1 9 | 26 21 | 4 6 | 23 28 | 23 31 | 16 31 | 12 43 | 0 4 |
| W 8 | 18 15 | 22 18 | 1n 6 | 16 36 | 1 38 | 24 8 | 1 12 | 2 8 | 1 28 | 5 13 | 1 29 | 6 54 | 2 30 | 21 39 | 0 35 | 10 32 | 1 8 | 26 21 | 4 6 | 23 28 | 23 31 | 16 33 | 12 45 | 0 4 |
| T 9 | 18 30 | 19 43 | 2 17 | 16 11 | 1 54 | 24 17 | 1 14 | 1 50 | 1 28 | 5 11 | 1 29 | 6 54 | 2 29 | 21 39 | 0 35 | 10 32 | 1 8 | 26 21 | 4 6 | 23 28 | 23 31 | 16 35 | 12 46 | 0 4 |
| F 10 | 18 44 | 16 7 | 3 19 | 15 47 | 2 10 | 24 25 | 1 16 | 1 32 | 1 28 | 5 10 | 1 29 | 6 54 | 2 29 | 21 38 | 0 35 | 10 32 | 1 8 | 26 21 | 4 6 | 23 28 | 23 31 | 16 36 | 12 47 | 0 4 |
| S 11 | 18 59 | 11 50 | 4 8 | 15 24 | 2 25 | 24 33 | 1 18 | 1 14 | 1 28 | 5 8 | 1 29 | 6 54 | 2 29 | 21 38 | 0 35 | 10 32 | 1 8 | 26 20 | 4 6 | 23 28 | 23 31 | 16 38 | 12 48 | 0 4 |
| S 12 | 19 12 | 7 10 | 4 44 | 15 2 | 2 40 | 24 40 | 1 20 | 0 57 | 1 28 | 5 6 | 1 29 | 6 54 | 2 29 | 21 38 | 0 35 | 10 32 | 1 8 | 26 20 | 4 6 | 23 28 | 23 31 | 16 40 | 12 50 | 0 4 |
| M13 | 19 26 | 2 19 | 5 6 | 14 42 | 2 53 | 24 46 | 1 22 | 0 39 | 1 28 | 5 5 | 1 28 | 6 54 | 2 28 | 21 37 | 0 35 | 10 32 | 1 8 | 26 20 | 4 6 | 23 28 | 23 31 | 16 42 | 12 51 | 0 3 |
| T 14 | 19 40 | 2n31 | 5 13 | 14 23 | 3 5 | 24 51 | 1 24 | 0 21 | 1 28 | 5 3 | 1 28 | 6 54 | 2 28 | 21 37 | 0 35 | 10 32 | 1 8 | 26 20 | 4 6 | 23 28 | 23 31 | 16 44 | 12 52 | 0 3 |
| W15 | 19 53 | 7 12 | 5 7 | 14 6 | 3 16 | 24 56 | 1 26 | 0 3 | 1 28 | 5 2 | 1 28 | 6 54 | 2 28 | 21 36 | 0 35 | 10 32 | 1 8 | 26 20 | 4 6 | 23 28 | 23 31 | 16 45 | 12 53 | 0 3 |
| T 16 | 20 5 | 11 35 | 4 47 | 13 51 | 3 26 | 25 0 | 1 28 | 0n15 | 1 28 | 5 1 | 1 28 | 6 54 | 2 28 | 21 36 | 0 34 | 10 32 | 1 8 | 26 19 | 4 6 | 23 28 | 23 31 | 16 47 | 12 54 | 0 3 |
| F 17 | 20 18 | 15 31 | 4 16 | 13 39 | 3 35 | 25 3 | 1 29 | 0 33 | 1 28 | 5 0 | 1 27 | 6 53 | 2 28 | 21 35 | 0 34 | 10 32 | 1 8 | 26 19 | 4 6 | 23 28 | 23 30 | 16 49 | 12 56 | 0 3 |
| S 18 | 20 30 | 18 51 | 3 33 | 13 28 | 3 42 | 25 5 | 1 31 | 0 50 | 1 28 | 4 58 | 1 27 | 6 53 | 2 27 | 21 35 | 0 34 | 10 32 | 1 8 | 26 19 | 4 6 | 23 27 | 23 30 | 16 51 | 12 57 | 0 3 |
| S 19 | 20 41 | 21 24 | 2 41 | 13 20 | 3 49 | 25 7 | 1 33 | 1 8 | 1 28 | 4 57 | 1 27 | 6 53 | 2 27 | 21 34 | 0 34 | 10 32 | 1 8 | 26 19 | 4 6 | 23 27 | 23 30 | 16 53 | 12 58 | 0 3 |
| M20 | 20 53 | 23 2 | 1 41 | 13 15 | 3 54 | 25 8 | 1 34 | 1 26 | 1 28 | 4 56 | 1 27 | 6 53 | 2 27 | 21 34 | 0 34 | 10 32 | 1 8 | 26 19 | 4 6 | 23 27 | 23 30 | 16 54 | 12 59 | 0 3 |
| T 21 | 21 4 | 23 36 | 0 36 | 13 12 | 3 58 | 25 9 | 1 36 | 1 43 | 1 28 | 4 55 | 1 26 | 6 52 | 2 27 | 21 33 | 0 34 | 10 32 | 1 8 | 26 19 | 4 6 | 23 27 | 23 30 | 16 56 | 13 0 | 0 3 |
| W22 | 21 14 | 23 4 | 0s31 | 13 11 | 4 0 | 25 8 | 1 37 | 2 1 | 1 28 | 4 54 | 1 26 | 6 52 | 2 27 | 21 33 | 0 34 | 10 31 | 1 8 | 26 18 | 4 6 | 23 27 | 23 30 | 16 58 | 13 1 | 0 3 |
| T 23 | 21 24 | 21 23 | 1 38 | 13 12 | 4 2 | 25 7 | 1 39 | 2 18 | 1 28 | 4 53 | 1 26 | 6 51 | 2 26 | 21 32 | 0 34 | 10 31 | 1 8 | 26 18 | 4 6 | 23 27 | 23 30 | 17 0 | 13 2 | 0 3 |
| F 24 | 21 34 | 18 39 | 2 41 | 13 16 | 4 2 | 25 5 | 1 40 | 2 36 | 1 28 | 4 53 | 1 25 | 6 51 | 2 26 | 21 32 | 0 34 | 10 31 | 1 8 | 26 18 | 4 6 | 23 27 | 23 30 | 17 1 | 13 3 | 0 3 |
| S 25 | 21 44 | 14 58 | 3 37 | 13 22 | 4 1 | 25 3 | 1 41 | 2 53 | 1 28 | 4 52 | 1 25 | 6 50 | 2 26 | 21 31 | 0 34 | 10 31 | 1 8 | 26 18 | 4 6 | 23 27 | 23 30 | 17 3 | 13 5 | 0 3 |
| S 26 | 21 53 | 10 29 | 4 24 | 13 31 | 4 0 | 24 59 | 1 42 | 3 11 | 1 28 | 4 51 | 1 25 | 6 50 | 2 26 | 21 31 | 0 34 | 10 31 | 1 8 | 26 18 | 4 6 | 23 27 | 23 30 | 17 5 | 13 6 | 0 3 |
| M27 | 22 2 | 5 25 | 4 57 | 13 41 | 3 57 | 24 55 | 1 43 | 3 28 | 1 27 | 4 51 | 1 25 | 6 49 | 2 25 | 21 30 | 0 34 | 10 31 | 1 8 | 26 17 | 4 6 | 23 27 | 23 29 | 17 7 | 13 7 | 0 2 |
| T 28 | 22 10 | 0s 2 | 5 14 | 13 53 | 3 54 | 24 50 | 1 44 | 3 45 | 1 27 | 4 50 | 1 24 | 6 49 | 2 25 | 21 30 | 0 34 | 10 30 | 1 8 | 26 17 | 4 6 | 23 27 | 23 29 | 17 8 | 13 8 | 0 2 |
| W29 | 22 18 | 5 37 | 5 14 | 14 8 | 3 49 | 24 45 | 1 45 | 4 3 | 1 27 | 4 50 | 1 24 | 6 48 | 2 25 | 21 29 | 0 34 | 10 30 | 1 8 | 26 17 | 4 6 | 23 27 | 23 29 | 17 10 | 13 9 | 0 2 |
| T 30 | 22 26 | 11 2 | 4 53 | 14 24 | 3 44 | 24 39 | 1 46 | 4 20 | 1 27 | 4 49 | 1 24 | 6 47 | 2 25 | 21 28 | 0 34 | 10 30 | 1 8 | 26 17 | 4 6 | 23 27 | 23 29 | 17 12 | 13 10 | 0 2 |
| F 31 | 22n33 | 15s56 | 4s13 | 14n42 | 3s38 | 24n32 | 1n47 | 4n37 | 1s27 | 4s49 | 1n24 | 6n47 | 2n25 | 21n28 | 0n34 | 10n30 | 1n 8 | 26n17 | 4n 6 | 23s27 | 23s29 | 17n14 | 13n11 | 0n 2 |

Julian Day Number = 2068165.5, Delta T = 28m50s
Ecliptic obliquity = 23°34'30, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°06'43, Lahiri = 9°13'43 Julian Calendar 1 May 950 == Greg. Calendar 6 May 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## JUNE 950 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 56 19 | 14♊26'38 | 16♏ 9 | 22♉11 | 15♋54 | 15♈44 | 15°R24 | 18♍33 | 26♋54 | 5♍47 | 19♋ 0 | 24°R21 | 25♐ 1 | 5♉59 | 4♉43 | S 1 |
| S 2 | 17 0 16 | 15°23'48 | 1♐ 6 | 23° 5 | 17° 5 | 16°28 | 15♎22 | 18°35 | 26°57 | 5°48 | 19° 1 | 24♐20 | 24°58 | 6° 6 | 4°46 | S 2 |
| M 3 | 17 4 13 | 16°20'57 | 15°58 | 24° 3 | 18°17 | 17°11 | 15°22 | 18°37 | 27° 0 | 5°49 | 19° 3 | 24°19 | 24°55 | 6°12 | 4°50 | M 3 |
| T 4 | 17 8 9 | 17°18'06 | 0♑37 | 25° 5 | 19°28 | 17°55 | 15°21 | 18°39 | 27° 3 | 5°49 | 19° 4 | 24°D19 | 24°52 | 6°19 | 4°53 | T 4 |
| W 5 | 17 12 6 | 18°15'15 | 14°57 | 26°11 | 20°40 | 18°38 | 15°20 | 18°40 | 27° 6 | 5°50 | 19° 6 | 24°20 | 24°49 | 6°26 | 4°56 | W 5 |
| T 6 | 17 16 2 | 19°12'24 | 28°54 | 27°21 | 21°51 | 19°21 | 15°20 | 18°42 | 27° 9 | 5°51 | 19° 7 | 24°20 | 24°45 | 6°32 | 4°59 | T 6 |
| F 7 | 17 19 59 | 20° 9'33 | 12♒25 | 28°35 | 23° 3 | 20° 4 | 15°D20 | 18°44 | 27°12 | 5°52 | 19° 9 | 24°20 | 24°42 | 6°39 | 5° 2 | F 7 |
| S 8 | 17 23 55 | 21° 6'42 | 25°32 | 29°52 | 24°14 | 20°47 | 15°20 | 18°47 | 27°16 | 5°53 | 19°10 | 24°21 | 24°39 | 6°46 | 5° 5 | S 8 |
| S 9 | 17 27 52 | 22° 3'51 | 8♓16 | 1♊13 | 25°25 | 21°30 | 15°20 | 18°49 | 27°19 | 5°53 | 19°12 | 24°21 | 24°36 | 6°52 | 5° 8 | S 9 |
| M10 | 17 31 49 | 23° 1'00 | 20°41 | 2°37 | 26°37 | 22°13 | 15°20 | 18°51 | 27°22 | 5°54 | 19°13 | 24°R21 | 24°33 | 6°59 | 5°11 | M10 |
| T 11 | 17 35 45 | 23°58'10 | 2♈51 | 4° 6 | 27°48 | 22°56 | 15°21 | 18°54 | 27°25 | 5°55 | 19°15 | 24°D21 | 24°29 | 7° 6 | 5°14 | T 11 |
| W12 | 17 39 42 | 24°55'19 | 14°49 | 5°37 | 28°59 | 23°39 | 15°22 | 18°56 | 27°28 | 5°56 | 19°16 | 24°21 | 24°26 | 7°12 | 5°17 | W12 |
| T 13 | 17 43 38 | 25°52'29 | 26°42 | 7°12 | 0♌10 | 24°21 | 15°23 | 18°59 | 27°32 | 5°57 | 19°18 | 24°21 | 24°23 | 7°19 | 5°20 | T 13 |
| F 14 | 17 47 35 | 26°49'39 | 8♉32 | 8°51 | 1°21 | 25° 4 | 15°24 | 19° 2 | 27°35 | 5°58 | 19°20 | 24°21 | 24°20 | 7°26 | 5°22 | F 14 |
| S 15 | 17 51 31 | 27°46'49 | 20°23 | 10°33 | 2°32 | 25°47 | 15°25 | 19° 4 | 27°38 | 5°59 | 19°21 | 24°22 | 24°17 | 7°32 | 5°25 | S 15 |
| S 16 | 17 55 28 | 28°44'00 | 2♊20 | 12°18 | 3°43 | 26°29 | 15°26 | 19° 7 | 27°42 | 6° 0 | 19°23 | 24°22 | 24°14 | 7°39 | 5°28 | S 16 |
| M17 | 17 59 24 | 29°41'11 | 14°25 | 14° 6 | 4°54 | 27°11 | 15°28 | 19°10 | 27°45 | 6° 1 | 19°24 | 24°22 | 24°10 | 7°46 | 5°31 | M17 |
| T 18 | 18 3 21 | 0♋38'22 | 26°39 | 15°58 | 6° 5 | 27°53 | 15°30 | 19°13 | 27°48 | 6° 3 | 19°26 | 24°R22 | 24° 7 | 7°53 | 5°33 | T 18 |
| W19 | 18 7 18 | 1°35'34 | 9♋ 6 | 17°52 | 7°16 | 28°36 | 15°32 | 19°17 | 27°52 | 6° 4 | 19°28 | 24°22 | 24° 4 | 7°59 | 5°36 | W19 |
| T 20 | 18 11 14 | 2°32'45 | 21°45 | 19°49 | 8°26 | 29°18 | 15°34 | 19°20 | 27°55 | 6° 5 | 19°29 | 24°22 | 24° 1 | 8° 6 | 5°38 | T 20 |
| F 21 | 18 15 11 | 3°29'57 | 4♌38 | 21°48 | 9°37 | 29°59 | 15°36 | 19°23 | 27°59 | 6° 6 | 19°31 | 24°21 | 23°58 | 8°13 | 5°41 | F 21 |
| S 22 | 18 19 7 | 4°27'09 | 17°45 | 23°49 | 10°48 | 0♉41 | 15°39 | 19°27 | 28° 2 | 6° 7 | 19°33 | 24°19 | 23°55 | 8°19 | 5°43 | S 22 |
| S 23 | 18 23 4 | 5°24'21 | 1♍ 6 | 25°52 | 11°58 | 1°23 | 15°41 | 19°30 | 28° 6 | 6° 9 | 19°34 | 24°18 | 23°51 | 8°26 | 5°46 | S 23 |
| M24 | 18 27 0 | 6°21'33 | 14°42 | 27°57 | 13° 8 | 2° 5 | 15°44 | 19°34 | 28° 9 | 6°10 | 19°36 | 24°17 | 23°48 | 8°33 | 5°48 | M24 |
| T 25 | 18 30 57 | 7°18'45 | 28°31 | 0♋ 3 | 14°19 | 2°46 | 15°47 | 19°37 | 28°13 | 6°11 | 19°38 | 24°16 | 23°45 | 8°39 | 5°50 | T 25 |
| W26 | 18 34 53 | 8°15'58 | 12♎34 | 2°10 | 15°29 | 3°28 | 15°50 | 19°41 | 28°16 | 6°13 | 19°39 | 24°D16 | 23°42 | 8°46 | 5°53 | W26 |
| T 27 | 18 38 50 | 9°13'10 | 26°48 | 4°18 | 16°39 | 4° 9 | 15°54 | 19°45 | 28°20 | 6°14 | 19°41 | 24°17 | 23°39 | 8°53 | 5°55 | T 27 |
| F 28 | 18 42 47 | 10°10'23 | 11♏12 | 6°26 | 17°50 | 4°51 | 15°57 | 19°49 | 28°23 | 6°15 | 19°43 | 24°18 | 23°35 | 8°59 | 5°57 | F 28 |
| S 29 | 18 46 43 | 11° 7'36 | 25°42 | 8°34 | 19° 0 | 5°32 | 16° 1 | 19°53 | 28°27 | 6°17 | 19°44 | 24°19 | 23°32 | 9° 6 | 5°59 | S 29 |
| S 30 | 18 50 40 | 12♋ 4'49 | 10♐14 | 10♋42 | 20♌10 | 6♉13 | 16♎ 5 | 19♍57 | 28♋30 | 6♍18 | 19♋46 | 24♐20 | 23♐29 | 9♉13 | 6♉ 1 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n40 | 19s53 | 3s16 | 15n 1 | 3s31 | 24n24 | 1n48 | 4n54 | 1s27 | 4s49 | 1n23 | 6n46 | 2n24 | 21n27 | 0n34 | 10n29 | 1n 8 | 26n16 | 4n 6 | 23s27 | 23s29 | 17n15 | 13n12 | 0n 2 |
| S 2 | 22 46 | 22 32 | 2 5 | 15 22 | 3 24 | 24 16 | 1 48 | 5 11 | 1 26 | 4 49 | 1 23 | 6 45 | 2 24 | 21 27 | 0 34 | 10 29 | 1 8 | 26 16 | 4 6 | 23 27 | 23 29 | 17 17 | 13 13 | 0 2 |
| M 3 | 22 52 | 23 36 | 0 46 | 15 44 | 3 15 | 24 7 | 1 49 | 5 28 | 1 26 | 4 49 | 1 23 | 6 44 | 2 24 | 21 26 | 0 34 | 10 29 | 1 8 | 26 16 | 4 6 | 23 27 | 23 29 | 17 19 | 13 14 | 0 2 |
| T 4 | 22 58 | 23 0 | 0n35 | 16 7 | 3 7 | 23 57 | 1 49 | 5 44 | 1 26 | 4 49 | 1 22 | 6 43 | 2 24 | 21 25 | 0 34 | 10 29 | 1 8 | 26 16 | 4 6 | 23 27 | 23 28 | 17 20 | 13 15 | 0 2 |
| W 5 | 23 3 | 20 53 | 1 52 | 16 32 | 2 57 | 23 47 | 1 50 | 6 1 | 1 26 | 4 49 | 1 22 | 6 42 | 2 24 | 21 25 | 0 34 | 10 28 | 1 8 | 26 16 | 4 6 | 23 27 | 23 28 | 17 22 | 13 16 | 0 2 |
| T 6 | 23 8 | 17 33 | 3 0 | 16 57 | 2 48 | 23 36 | 1 50 | 6 18 | 1 26 | 4 49 | 1 22 | 6 41 | 2 23 | 21 24 | 0 34 | 10 28 | 1 8 | 26 15 | 4 6 | 23 27 | 23 28 | 17 24 | 13 17 | 0 2 |
| F 7 | 23 12 | 13 23 | 3 56 | 17 24 | 2 37 | 23 25 | 1 51 | 6 34 | 1 25 | 4 49 | 1 22 | 6 40 | 2 23 | 21 24 | 0 34 | 10 28 | 1 8 | 26 15 | 4 6 | 23 27 | 23 28 | 17 25 | 13 18 | 0 2 |
| S 8 | 23 17 | 8 43 | 4 38 | 17 51 | 2 27 | 23 12 | 1 51 | 6 51 | 1 25 | 4 49 | 1 21 | 6 39 | 2 23 | 21 23 | 0 34 | 10 27 | 1 8 | 26 15 | 4 6 | 23 27 | 23 28 | 17 27 | 13 19 | 0 2 |
| S 9 | 23 20 | 3 48 | 5 5 | 18 18 | 2 16 | 22 59 | 1 51 | 7 7 | 1 25 | 4 50 | 1 21 | 6 38 | 2 23 | 21 22 | 0 34 | 10 27 | 1 8 | 26 15 | 4 6 | 23 27 | 23 28 | 17 29 | 13 20 | 0 2 |
| M10 | 23 23 | 1n 8 | 5 17 | 18 46 | 2 4 | 22 46 | 1 51 | 7 23 | 1 25 | 4 50 | 1 21 | 6 37 | 2 22 | 21 22 | 0 34 | 10 27 | 1 8 | 26 15 | 4 6 | 23 27 | 23 28 | 17 31 | 13 21 | 0 1 |
| T 11 | 23 26 | 5 56 | 5 14 | 19 14 | 1 53 | 22 32 | 1 51 | 7 40 | 1 24 | 4 50 | 1 20 | 6 36 | 2 22 | 21 21 | 0 34 | 10 26 | 1 8 | 26 14 | 4 6 | 23 27 | 23 28 | 17 32 | 13 22 | 0 1 |
| W12 | 23 29 | 10 26 | 4 57 | 19 43 | 1 41 | 22 17 | 1 51 | 7 56 | 1 24 | 4 51 | 1 20 | 6 35 | 2 22 | 21 20 | 0 34 | 10 26 | 1 7 | 26 14 | 4 6 | 23 27 | 23 27 | 17 34 | 13 23 | 0 1 |
| T 13 | 23 31 | 14 31 | 4 28 | 20 11 | 1 29 | 22 1 | 1 50 | 8 12 | 1 24 | 4 52 | 1 20 | 6 33 | 2 22 | 21 20 | 0 34 | 10 25 | 1 7 | 26 14 | 4 6 | 23 27 | 23 27 | 17 36 | 13 23 | 0 1 |
| F 14 | 23 32 | 18 1 | 3 48 | 20 39 | 1 16 | 21 46 | 1 50 | 8 28 | 1 23 | 4 52 | 1 20 | 6 32 | 2 22 | 21 19 | 0 34 | 10 25 | 1 7 | 26 14 | 4 6 | 23 27 | 23 27 | 17 37 | 13 24 | 0 1 |
| S 15 | 23 33 | 20 48 | 2 58 | 21 6 | 1 4 | 21 29 | 1 50 | 8 44 | 1 23 | 4 53 | 1 19 | 6 31 | 2 21 | 21 18 | 0 34 | 10 25 | 1 7 | 26 14 | 4 6 | 23 27 | 23 27 | 17 39 | 13 25 | 0 1 |
| S 16 | 23 34 | 22 42 | 1 59 | 21 33 | 0 52 | 21 12 | 1 49 | 8 59 | 1 23 | 4 54 | 1 19 | 6 29 | 2 21 | 21 18 | 0 34 | 10 24 | 1 7 | 26 13 | 4 6 | 23 27 | 23 27 | 17 40 | 13 26 | 0 1 |
| M17 | 23 34 | 23 34 | 0 55 | 21 58 | 0 39 | 20 54 | 1 48 | 9 15 | 1 22 | 4 55 | 1 19 | 6 28 | 2 21 | 21 17 | 0 34 | 10 24 | 1 7 | 26 13 | 4 6 | 23 27 | 23 27 | 17 42 | 13 27 | 0 1 |
| T 18 | 23 34 | 23 19 | 0s13 | 22 23 | 0 27 | 20 36 | 1 48 | 9 30 | 1 22 | 4 56 | 1 18 | 6 27 | 2 21 | 21 16 | 0 34 | 10 23 | 1 7 | 26 13 | 4 6 | 23 27 | 23 27 | 17 44 | 13 28 | 0 1 |
| W19 | 23 34 | 21 55 | 1 21 | 22 46 | 0 15 | 20 17 | 1 47 | 9 46 | 1 22 | 4 57 | 1 18 | 6 25 | 2 21 | 21 16 | 0 34 | 10 23 | 1 7 | 26 13 | 4 6 | 23 27 | 23 26 | 17 45 | 13 28 | 0 1 |
| T 20 | 23 33 | 19 24 | 2 26 | 23 7 | 0 3 | 19 58 | 1 46 | 10 1 | 1 21 | 4 58 | 1 18 | 6 24 | 2 20 | 21 15 | 0 34 | 10 22 | 1 7 | 26 12 | 4 6 | 23 27 | 23 26 | 17 47 | 13 29 | 0 1 |
| F 21 | 23 32 | 15 54 | 3 25 | 23 27 | 0n 8 | 19 38 | 1 45 | 10 16 | 1 21 | 4 59 | 1 18 | 6 22 | 2 20 | 21 14 | 0 34 | 10 22 | 1 7 | 26 12 | 4 6 | 23 27 | 23 26 | 17 49 | 13 30 | 0 1 |
| S 22 | 23 30 | 11 34 | 4 14 | 23 45 | 0 19 | 19 18 | 1 44 | 10 31 | 1 21 | 5 0 | 1 17 | 6 21 | 2 20 | 21 14 | 0 34 | 10 21 | 1 7 | 26 12 | 4 6 | 23 27 | 23 26 | 17 50 | 13 31 | 0 1 |
| S 23 | 23 28 | 6 37 | 4 51 | 24 0 | 0 30 | 18 57 | 1 43 | 10 46 | 1 20 | 5 2 | 1 17 | 6 19 | 2 20 | 21 13 | 0 34 | 10 21 | 1 7 | 26 12 | 4 6 | 23 27 | 23 26 | 17 52 | 13 31 | 0 0 |
| M24 | 23 25 | 1 16 | 5 12 | 24 13 | 0 40 | 18 36 | 1 42 | 11 1 | 1 20 | 5 3 | 1 17 | 6 18 | 2 20 | 21 12 | 0 34 | 10 20 | 1 7 | 26 12 | 4 6 | 23 27 | 23 26 | 17 53 | 13 32 | 0 0 |
| T 25 | 23 22 | 4s14 | 5 16 | 24 24 | 0 49 | 18 14 | 1 40 | 11 16 | 1 19 | 5 4 | 1 16 | 6 16 | 2 19 | 21 12 | 0 34 | 10 20 | 1 7 | 26 11 | 4 6 | 23 27 | 23 26 | 17 55 | 13 33 | 0 0 |
| W26 | 23 19 | 9 36 | 5 0 | 24 32 | 0 58 | 17 52 | 1 39 | 11 30 | 1 19 | 5 6 | 1 16 | 6 14 | 2 19 | 21 11 | 0 34 | 10 19 | 1 7 | 26 11 | 4 6 | 23 27 | 23 25 | 17 57 | 13 34 | 0 0 |
| T 27 | 23 15 | 14 32 | 4 27 | 24 37 | 1 6 | 17 29 | 1 38 | 11 45 | 1 19 | 5 7 | 1 16 | 6 13 | 2 19 | 21 10 | 0 34 | 10 19 | 1 7 | 26 11 | 4 6 | 23 27 | 23 25 | 17 58 | 13 34 | 0 0 |
| F 28 | 23 11 | 18 42 | 3 36 | 24 39 | 1 14 | 17 6 | 1 36 | 11 59 | 1 18 | 5 9 | 1 16 | 6 11 | 2 19 | 21 9 | 0 34 | 10 18 | 1 7 | 26 11 | 4 6 | 23 27 | 23 25 | 18 0 | 13 35 | 0 0 |
| S 29 | 23 6 | 21 45 | 2 32 | 24 38 | 1 21 | 16 42 | 1 34 | 12 13 | 1 18 | 5 11 | 1 15 | 6 9 | 2 19 | 21 9 | 0 34 | 10 18 | 1 7 | 26 11 | 4 7 | 23 27 | 23 25 | 18 1 | 13 36 | 0 0 |
| S 30 | 23n 1 | 23s23 | 1s17 | 24n35 | 1n27 | 16n18 | 1n32 | 12n27 | 1s17 | 5s12 | 1n15 | 6n 7 | 2n18 | 21n 8 | 0n34 | 10n17 | 1n 7 | 26n10 | 4n 7 | 23s27 | 23s25 | 18n 3 | 13n36 | 0s 0 |

Julian Day Number = 2068196.5, Delta T = 28m49s
Ecliptic obliquity = 23°34'29, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°06'47, Lahiri = 9°13'47 Julian Calendar 1 June 950 == Greg. Calendar 6 June 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## JULY 950 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 54 36 | 13♋ 2'03 | 24♐43 | 12♋50 | 21♌20 | 6♉54 | 16♎ 9 | 20♍ 1 | 28♋34 | 6♍20 | 19♋48 | 24°R20 | 23♐26 | 9♉19 | 6♉ 3 | M 1 |
| T 2 | 18 58 33 | 13°59'17 | 9♑ 3 | 14°57 | 22°29 | 7°35 | 16°13 | 20° 5 | 28°38 | 6°21 | 19°49 | 24♐20 | 23°23 | 9°26 | 6° 5 | T 2 |
| W 3 | 19 2 29 | 14°56'32 | 23°10 | 17° 3 | 23°39 | 8°15 | 16°17 | 20°10 | 28°41 | 6°23 | 19°51 | 24°18 | 23°20 | 9°33 | 6° 7 | W 3 |
| T 4 | 19 6 26 | 15°53'48 | 6♒59 | 19° 8 | 24°49 | 8°56 | 16°22 | 20°14 | 28°45 | 6°24 | 19°53 | 24°16 | 23°16 | 9°39 | 6° 9 | T 4 |
| F 5 | 19 10 22 | 16°51'05 | 20°28 | 21°12 | 25°58 | 9°37 | 16°26 | 20°19 | 28°48 | 6°26 | 19°54 | 24°13 | 23°13 | 9°46 | 6°11 | F 5 |
| S 6 | 19 14 19 | 17°48'22 | 3♓34 | 23°14 | 27° 8 | 10°17 | 16°31 | 20°23 | 28°52 | 6°27 | 19°56 | 24° 9 | 23°10 | 9°53 | 6°13 | S 6 |
| S 7 | 19 18 16 | 18°45'40 | 16°20 | 25°16 | 28°17 | 10°57 | 16°36 | 20°28 | 28°56 | 6°29 | 19°58 | 24° 6 | 23° 7 | 10° 0 | 6°15 | S 7 |
| M 8 | 19 22 12 | 19°42'59 | 28°46 | 27°16 | 29°27 | 11°38 | 16°41 | 20°33 | 28°59 | 6°31 | 20° 0 | 24° 4 | 23° 4 | 10° 6 | 6°16 | M 8 |
| T 9 | 19 26 9 | 20°40'20 | 10♈57 | 29°14 | 0♍36 | 12°18 | 16°47 | 20°37 | 29° 3 | 6°32 | 20° 1 | 24° 2 | 23° 1 | 10°13 | 6°18 | T 9 |
| W10 | 19 30 5 | 21°37'41 | 22°57 | 1♌11 | 1°45 | 12°58 | 16°52 | 20°42 | 29° 7 | 6°34 | 20° 3 | 24°D 2 | 22°57 | 10°20 | 6°20 | W10 |
| T 11 | 19 34 2 | 22°35'04 | 4♉49 | 3° 6 | 2°54 | 13°38 | 16°57 | 20°47 | 29°10 | 6°36 | 20° 5 | 24° 2 | 22°54 | 10°26 | 6°21 | T 11 |
| F 12 | 19 37 58 | 23°32'28 | 16°40 | 5° 0 | 4° 3 | 14°17 | 17° 3 | 20°52 | 29°14 | 6°37 | 20° 6 | 24° 4 | 22°51 | 10°33 | 6°23 | F 12 |
| S 13 | 19 41 55 | 24°29'53 | 28°33 | 6°52 | 5°12 | 14°57 | 17° 9 | 20°57 | 29°18 | 6°39 | 20° 8 | 24° 5 | 22°48 | 10°40 | 6°24 | S 13 |
| S 14 | 19 45 51 | 25°27'19 | 10♊34 | 8°42 | 6°21 | 15°37 | 17°15 | 21° 2 | 29°21 | 6°41 | 20°10 | 24° 7 | 22°45 | 10°46 | 6°25 | S 14 |
| M15 | 19 49 48 | 26°24'47 | 22°45 | 10°31 | 7°29 | 16°16 | 17°21 | 21° 7 | 29°25 | 6°43 | 20°12 | 24°R 8 | 22°41 | 10°53 | 6°27 | M15 |
| T 16 | 19 53 45 | 27°22'16 | 5♋11 | 12°18 | 8°38 | 16°55 | 17°27 | 21°13 | 29°29 | 6°45 | 20°13 | 24° 7 | 22°38 | 11° 0 | 6°28 | T 16 |
| W17 | 19 57 41 | 28°19'46 | 17°54 | 14° 4 | 9°46 | 17°34 | 17°34 | 21°18 | 29°33 | 6°46 | 20°15 | 24° 5 | 22°35 | 11° 6 | 6°29 | W17 |
| T 18 | 20 1 38 | 29°17'17 | 0♌53 | 15°48 | 10°55 | 18°13 | 17°40 | 21°23 | 29°36 | 6°48 | 20°17 | 24° 1 | 22°32 | 11°13 | 6°30 | T 18 |
| F 19 | 20 5 34 | 0♌14'49 | 14°10 | 17°31 | 12° 3 | 18°52 | 17°47 | 21°29 | 29°40 | 6°50 | 20°18 | 23°56 | 22°29 | 11°20 | 6°31 | F 19 |
| S 20 | 20 9 31 | 1°12'22 | 27°41 | 19°12 | 13°11 | 19°31 | 17°54 | 21°34 | 29°44 | 6°52 | 20°20 | 23°50 | 22°26 | 11°26 | 6°32 | S 20 |
| S 21 | 20 13 27 | 2° 9'56 | 11♍26 | 20°51 | 14°19 | 20°10 | 18° 1 | 21°40 | 29°47 | 6°54 | 20°22 | 23°44 | 22°22 | 11°33 | 6°33 | S 21 |
| M22 | 20 17 24 | 3° 7'32 | 25°22 | 22°29 | 15°27 | 20°48 | 18° 8 | 21°45 | 29°51 | 6°56 | 20°23 | 23°39 | 22°19 | 11°40 | 6°34 | M22 |
| T 23 | 20 21 20 | 4° 5'08 | 9♎24 | 24° 6 | 16°35 | 21°26 | 18°15 | 21°51 | 29°55 | 6°58 | 20°25 | 23°35 | 22°16 | 11°46 | 6°35 | T 23 |
| W24 | 20 25 17 | 5° 2'45 | 23°32 | 25°41 | 17°43 | 22° 5 | 18°23 | 21°57 | 29°59 | 7° 0 | 20°27 | 23°33 | 22°13 | 11°53 | 6°36 | W24 |
| T 25 | 20 29 14 | 6° 0'24 | 7♏42 | 27°14 | 18°50 | 22°43 | 18°30 | 22° 3 | 0♌ 2 | 7° 2 | 20°28 | 23°D32 | 22°10 | 12° 0 | 6°37 | T 25 |
| F 26 | 20 33 10 | 6°58'03 | 21°53 | 28°46 | 19°58 | 23°21 | 18°38 | 22° 8 | 0° 6 | 7° 4 | 20°30 | 23°33 | 22° 7 | 12° 6 | 6°38 | F 26 |
| S 27 | 20 37 7 | 7°55'43 | 6♐ 3 | 0♍16 | 21° 5 | 23°58 | 18°46 | 22°14 | 0°10 | 7° 6 | 20°32 | 23°34 | 22° 3 | 12°13 | 6°38 | S 27 |
| S 28 | 20 41 3 | 8°53'25 | 20°10 | 1°45 | 22°12 | 24°36 | 18°54 | 22°20 | 0°13 | 7° 8 | 20°33 | 23°R35 | 22° 0 | 12°20 | 6°39 | S 28 |
| M29 | 20 45 0 | 9°51'08 | 4♑12 | 3°12 | 23°19 | 25°13 | 19° 2 | 22°26 | 0°17 | 7°10 | 20°35 | 23°35 | 21°57 | 12°26 | 6°39 | M29 |
| T 30 | 20 48 56 | 10°48'52 | 18° 7 | 4°37 | 24°26 | 25°51 | 19°10 | 22°32 | 0°21 | 7°12 | 20°37 | 23°32 | 21°54 | 12°33 | 6°40 | T 30 |
| W31 | 20 52 53 | 11♌46'37 | 1♒52 | 6♍ 1 | 25♍33 | 26♉28 | 19♎18 | 22♍39 | 0♌24 | 7♍14 | 20♋38 | 23♐28 | 21♐51 | 12♉40 | 6♉40 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n56 | 23s26 | 0n 2 | 24n29 | 1n32 | 15n54 | 1n31 | 12n41 | 1s17 | 5s14 | 1n15 | 6n 5 | 2n18 | 21n 7 | 0n34 | 10n17 | 1n 7 | 26n10 | 4n 7 | 23s27 | 23s25 | 18n 5 | 13n37 | 0s 0 |
| T 2 | 22 50 | 21 56 | 1 20 | 24 20 | 1 37 | 15 29 | 1 29 | 12 55 | 1 16 | 5 16 | 1 15 | 6 4 | 2 18 | 21 6 | 0 34 | 10 16 | 1 7 | 26 10 | 4 7 | 23 27 | 23 24 | 18 6 | 13 37 | 0 0 |
| W 3 | 22 44 | 19 4 | 2 32 | 24 8 | 1 40 | 15 4 | 1 27 | 13 9 | 1 16 | 5 18 | 1 14 | 6 2 | 2 18 | 21 6 | 0 34 | 10 16 | 1 7 | 26 10 | 4 7 | 23 27 | 23 24 | 18 8 | 13 38 | 0 0 |
| T 4 | 22 37 | 15 11 | 3 34 | 23 54 | 1 43 | 14 39 | 1 24 | 13 22 | 1 15 | 5 20 | 1 14 | 6 0 | 2 18 | 21 5 | 0 34 | 10 15 | 1 7 | 26 10 | 4 7 | 23 27 | 23 24 | 18 9 | 13 38 | 0 0 |
| F 5 | 22 30 | 10 37 | 4 22 | 23 38 | 1 46 | 14 13 | 1 22 | 13 36 | 1 15 | 5 22 | 1 14 | 5 58 | 2 18 | 21 4 | 0 34 | 10 14 | 1 7 | 26 9 | 4 7 | 23 27 | 23 24 | 18 11 | 13 39 | 0 0 |
| S 6 | 22 23 | 5 41 | 4 54 | 23 19 | 1 47 | 13 47 | 1 20 | 13 49 | 1 14 | 5 24 | 1 13 | 5 56 | 2 17 | 21 3 | 0 34 | 10 14 | 1 7 | 26 9 | 4 7 | 23 27 | 23 24 | 18 12 | 13 40 | 0 1 |
| S 7 | 22 15 | 0 39 | 5 11 | 22 59 | 1 48 | 13 21 | 1 17 | 14 2 | 1 14 | 5 26 | 1 13 | 5 54 | 2 17 | 21 3 | 0 34 | 10 13 | 1 7 | 26 9 | 4 7 | 23 27 | 23 24 | 18 14 | 13 40 | 0 1 |
| M 8 | 22 7 | 4n18 | 5 13 | 22 36 | 1 48 | 12 54 | 1 15 | 14 15 | 1 13 | 5 28 | 1 13 | 5 52 | 2 17 | 21 2 | 0 34 | 10 12 | 1 7 | 26 9 | 4 7 | 23 26 | 23 24 | 18 15 | 13 41 | 0 1 |
| T 9 | 21 58 | 8 58 | 5 1 | 22 11 | 1 48 | 12 27 | 1 12 | 14 28 | 1 12 | 5 31 | 1 13 | 5 50 | 2 17 | 21 1 | 0 34 | 10 12 | 1 7 | 26 9 | 4 7 | 23 26 | 23 23 | 18 17 | 13 41 | 0 1 |
| W10 | 21 50 | 13 13 | 4 35 | 21 45 | 1 47 | 12 0 | 1 9 | 14 41 | 1 12 | 5 33 | 1 12 | 5 48 | 2 17 | 21 0 | 0 34 | 10 11 | 1 7 | 26 8 | 4 7 | 23 26 | 23 23 | 18 19 | 13 41 | 0 1 |
| T 11 | 21 40 | 16 56 | 3 58 | 21 17 | 1 45 | 11 32 | 1 7 | 14 53 | 1 11 | 5 35 | 1 12 | 5 46 | 2 17 | 21 0 | 0 34 | 10 11 | 1 7 | 26 8 | 4 7 | 23 26 | 23 23 | 18 20 | 13 42 | 0 1 |
| F 12 | 21 31 | 19 58 | 3 11 | 20 47 | 1 43 | 11 4 | 1 4 | 15 6 | 1 11 | 5 38 | 1 12 | 5 44 | 2 16 | 20 59 | 0 34 | 10 10 | 1 7 | 26 8 | 4 7 | 23 26 | 23 23 | 18 22 | 13 42 | 0 1 |
| S 13 | 21 21 | 22 9 | 2 16 | 20 17 | 1 40 | 10 36 | 1 1 | 15 18 | 1 10 | 5 40 | 1 12 | 5 41 | 2 16 | 20 58 | 0 34 | 10 9 | 1 7 | 26 8 | 4 7 | 23 27 | 23 23 | 18 23 | 13 43 | 0 1 |
| S 14 | 21 10 | 23 22 | 1 14 | 19 45 | 1 37 | 10 8 | 0 58 | 15 30 | 1 9 | 5 43 | 1 11 | 5 39 | 2 16 | 20 57 | 0 34 | 10 9 | 1 7 | 26 8 | 4 8 | 23 27 | 23 22 | 18 25 | 13 43 | 0 1 |
| M15 | 20 59 | 23 30 | 0 7 | 19 12 | 1 33 | 9 39 | 0 55 | 15 42 | 1 9 | 5 45 | 1 11 | 5 37 | 2 16 | 20 56 | 0 34 | 10 8 | 1 7 | 26 8 | 4 8 | 23 27 | 23 22 | 18 26 | 13 43 | 0 1 |
| T 16 | 20 48 | 22 28 | 1s 0 | 18 38 | 1 29 | 9 10 | 0 51 | 15 54 | 1 8 | 5 48 | 1 11 | 5 35 | 2 16 | 20 56 | 0 34 | 10 7 | 1 7 | 26 7 | 4 8 | 23 27 | 23 22 | 18 28 | 13 44 | 0 1 |
| W17 | 20 37 | 20 17 | 2 6 | 18 3 | 1 24 | 8 41 | 0 48 | 16 5 | 1 8 | 5 51 | 1 11 | 5 33 | 2 16 | 20 55 | 0 34 | 10 6 | 1 7 | 26 7 | 4 8 | 23 26 | 23 22 | 18 29 | 13 44 | 0 1 |
| T 18 | 20 25 | 17 2 | 3 7 | 17 27 | 1 19 | 8 12 | 0 45 | 16 17 | 1 7 | 5 53 | 1 10 | 5 30 | 2 16 | 20 54 | 0 34 | 10 6 | 1 7 | 26 7 | 4 8 | 23 26 | 23 22 | 18 31 | 13 44 | 0 1 |
| F 19 | 20 13 | 12 52 | 3 59 | 16 51 | 1 14 | 7 43 | 0 41 | 16 28 | 1 6 | 5 56 | 1 10 | 5 28 | 2 15 | 20 53 | 0 34 | 10 5 | 1 7 | 26 7 | 4 8 | 23 26 | 23 22 | 18 32 | 13 45 | 0 2 |
| S 20 | 20 0 | 7 59 | 4 39 | 16 14 | 1 8 | 7 13 | 0 38 | 16 40 | 1 5 | 5 59 | 1 10 | 5 26 | 2 15 | 20 53 | 0 34 | 10 4 | 1 7 | 26 7 | 4 8 | 23 26 | 23 21 | 18 34 | 13 45 | 0 2 |
| S 21 | 19 47 | 2 39 | 5 3 | 15 36 | 1 2 | 6 44 | 0 34 | 16 51 | 1 5 | 6 2 | 1 10 | 5 23 | 2 15 | 20 52 | 0 34 | 10 4 | 1 7 | 26 7 | 4 8 | 23 26 | 23 21 | 18 35 | 13 45 | 0 2 |
| M22 | 19 34 | 2s53 | 5 10 | 14 58 | 0 56 | 6 14 | 0 30 | 17 2 | 1 4 | 6 5 | 1 9 | 5 21 | 2 15 | 20 51 | 0 34 | 10 3 | 1 7 | 26 6 | 4 8 | 23 25 | 23 21 | 18 36 | 13 46 | 0 2 |
| T 23 | 19 21 | 8 19 | 4 58 | 14 20 | 0 49 | 5 44 | 0 26 | 17 12 | 1 3 | 6 8 | 1 9 | 5 19 | 2 15 | 20 50 | 0 34 | 10 2 | 1 7 | 26 6 | 4 8 | 23 25 | 23 21 | 18 38 | 13 46 | 0 2 |
| W24 | 19 7 | 13 21 | 4 29 | 13 41 | 0 42 | 5 14 | 0 22 | 17 23 | 1 3 | 6 11 | 1 9 | 5 16 | 2 15 | 20 49 | 0 34 | 10 1 | 1 7 | 26 6 | 4 8 | 23 25 | 23 21 | 18 39 | 13 46 | 0 2 |
| T 25 | 18 53 | 17 40 | 3 43 | 13 2 | 0 34 | 4 43 | 0 18 | 17 33 | 1 2 | 6 14 | 1 9 | 5 14 | 2 15 | 20 49 | 0 34 | 10 1 | 1 7 | 26 6 | 4 8 | 23 25 | 23 20 | 18 41 | 13 46 | 0 2 |
| F 26 | 18 38 | 20 58 | 2 43 | 12 23 | 0 27 | 4 13 | 0 14 | 17 44 | 1 1 | 6 17 | 1 8 | 5 11 | 2 14 | 20 48 | 0 34 | 10 0 | 1 7 | 26 6 | 4 9 | 23 25 | 23 20 | 18 42 | 13 46 | 0 2 |
| S 27 | 18 23 | 22 58 | 1 34 | 11 44 | 0 19 | 3 43 | 0 10 | 17 54 | 1 0 | 6 20 | 1 8 | 5 9 | 2 14 | 20 47 | 0 34 | 9 59 | 1 7 | 26 6 | 4 9 | 23 25 | 23 20 | 18 44 | 13 46 | 0 2 |
| S 28 | 18 8 | 23 31 | 0 18 | 11 5 | 0 11 | 3 12 | 0 6 | 18 4 | 1 0 | 6 24 | 1 8 | 5 7 | 2 14 | 20 46 | 0 34 | 9 58 | 1 7 | 26 5 | 4 9 | 23 25 | 23 20 | 18 45 | 13 46 | 0 2 |
| M29 | 17 53 | 22 33 | 0n57 | 10 26 | 0 2 | 2 42 | 0 2 | 18 14 | 0 59 | 6 27 | 1 8 | 5 4 | 2 14 | 20 46 | 0 34 | 9 58 | 1 7 | 26 5 | 4 9 | 23 25 | 23 20 | 18 47 | 13 47 | 0 2 |
| T 30 | 17 37 | 20 13 | 2 9 | 9 47 | 0s 6 | 2 11 | 0s 3 | 18 23 | 0 58 | 6 30 | 1 8 | 5 2 | 2 14 | 20 45 | 0 34 | 9 57 | 1 7 | 26 5 | 4 9 | 23 25 | 23 20 | 18 48 | 13 47 | 0 2 |
| W31 | 17n21 | 16s45 | 3n11 | 9n 8 | 0s15 | 1n40 | 0s 7 | 18n33 | 0s57 | 6s33 | 1n 7 | 4n59 | 2n14 | 20n44 | 0n34 | 9n56 | 1n 7 | 26n 5 | 4n 9 | 23s25 | 23s19 | 18n49 | 13n47 | 0s 3 |

Julian Day Number = 2068226.5, Delta T = 28m49s
Ecliptic obliquity = 23°34'29, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°06'51, Lahiri = 9°13'51 Julian Calendar 1 July 950 == Greg. Calendar 6 July 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## AUGUST 950 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 56 50 | 12♌44'24 | 15♒24 | 7♍24 | 26♍39 | 27♉ 5 | 19♎26 | 22♍45 | 0♌28 | 7♍16 | 20♋40 | 23°R21 | 21♐47 | 12♉47 | 6♉41 | T 1 |
| F 2 | 21 0 46 | 13°42'12 | 28°40 | 8°44 | 27°45 | 27°42 | 19°35 | 22°51 | 0°32 | 7°18 | 20°41 | 23♐13 | 21°44 | 12°53 | 6°41 | F 2 |
| S 3 | 21 4 43 | 14°40'02 | 11♓38 | 10° 3 | 28°52 | 28°19 | 19°43 | 22°57 | 0°35 | 7°20 | 20°43 | 23° 4 | 21°41 | 13° 0 | 6°41 | S 3 |
| S 4 | 21 8 39 | 15°37'53 | 24°19 | 11°20 | 29°58 | 28°55 | 19°52 | 23° 3 | 0°39 | 7°22 | 20°45 | 22°55 | 21°38 | 13° 7 | 6°41 | S 4 |
| M 5 | 21 12 36 | 16°35'46 | 6♈43 | 12°36 | 1♎ 4 | 29°31 | 20° 1 | 23°10 | 0°42 | 7°24 | 20°46 | 22°48 | 21°35 | 13°13 | 6°41 | M 5 |
| T 6 | 21 16 32 | 17°33'41 | 18°53 | 13°49 | 2° 9 | 0♊ 8 | 20°10 | 23°16 | 0°46 | 7°26 | 20°48 | 22°42 | 21°32 | 13°20 | 6°41 | T 6 |
| W 7 | 21 20 29 | 18°31'38 | 0♉52 | 15° 1 | 3°15 | 0°44 | 20°19 | 23°23 | 0°50 | 7°28 | 20°49 | 22°38 | 21°28 | 13°27 | 6°R41 | W 7 |
| T 8 | 21 24 25 | 19°29'36 | 12°43 | 16°11 | 4°20 | 1°20 | 20°28 | 23°29 | 0°53 | 7°30 | 20°51 | 22°36 | 21°25 | 13°33 | 6°41 | T 8 |
| F 9 | 21 28 22 | 20°27'37 | 24°33 | 17°18 | 5°25 | 1°55 | 20°37 | 23°36 | 0°57 | 7°33 | 20°52 | 22°D36 | 21°22 | 13°40 | 6°41 | F 9 |
| S 10 | 21 32 18 | 21°25'40 | 6♊27 | 18°23 | 6°30 | 2°31 | 20°47 | 23°42 | 1° 0 | 7°35 | 20°54 | 22°37 | 21°19 | 13°47 | 6°41 | S 10 |
| S 11 | 21 36 15 | 22°23'44 | 18°28 | 19°26 | 7°35 | 3° 6 | 20°56 | 23°49 | 1° 4 | 7°37 | 20°55 | 22°R37 | 21°16 | 13°53 | 6°41 | S 11 |
| M12 | 21 40 12 | 23°21'51 | 0♋44 | 20°27 | 8°40 | 3°41 | 21° 6 | 23°55 | 1° 7 | 7°39 | 20°57 | 22°37 | 21°13 | 14° 0 | 6°41 | M12 |
| T 13 | 21 44 8 | 24°19'59 | 13°17 | 21°25 | 9°44 | 4°16 | 21°15 | 24° 2 | 1°11 | 7°41 | 20°58 | 22°35 | 21° 9 | 14° 7 | 6°40 | T 13 |
| W14 | 21 48 5 | 25°18'10 | 26°11 | 22°20 | 10°49 | 4°51 | 21°25 | 24° 9 | 1°14 | 7°43 | 21° 0 | 22°31 | 21° 6 | 14°13 | 6°40 | W14 |
| T 15 | 21 52 1 | 26°16'22 | 9♌28 | 23°12 | 11°53 | 5°26 | 21°35 | 24°16 | 1°18 | 7°46 | 21° 1 | 22°24 | 21° 3 | 14°20 | 6°39 | T 15 |
| F 16 | 21 55 58 | 27°14'36 | 23° 6 | 24° 1 | 12°56 | 6° 0 | 21°45 | 24°22 | 1°21 | 7°48 | 21° 3 | 22°15 | 21° 0 | 14°27 | 6°39 | F 16 |
| S 17 | 21 59 54 | 28°12'52 | 7♍ 3 | 24°47 | 14° 0 | 6°34 | 21°55 | 24°29 | 1°25 | 7°50 | 21° 4 | 22° 4 | 20°57 | 14°33 | 6°38 | S 17 |
| S 18 | 22 3 51 | 29°11'10 | 21°16 | 25°30 | 15° 3 | 7° 8 | 22° 5 | 24°36 | 1°28 | 7°52 | 21° 5 | 21°54 | 20°53 | 14°40 | 6°38 | S 18 |
| M19 | 22 7 47 | 0♍ 9'29 | 5♎37 | 26° 8 | 16° 6 | 7°42 | 22°15 | 24°43 | 1°31 | 7°54 | 21° 7 | 21°44 | 20°50 | 14°47 | 6°37 | M19 |
| T 20 | 22 11 44 | 1° 7'50 | 20° 2 | 26°43 | 17° 9 | 8°15 | 22°26 | 24°50 | 1°35 | 7°57 | 21° 8 | 21°37 | 20°47 | 14°53 | 6°36 | T 20 |
| W21 | 22 15 41 | 2° 6'13 | 4♏25 | 27°13 | 18°12 | 8°49 | 22°36 | 24°57 | 1°38 | 7°59 | 21°10 | 21°31 | 20°44 | 15° 0 | 6°35 | W21 |
| T 22 | 22 19 37 | 3° 4'38 | 18°43 | 27°38 | 19°14 | 9°22 | 22°47 | 25° 4 | 1°41 | 8° 1 | 21°11 | 21°29 | 20°41 | 15° 7 | 6°34 | T 22 |
| F 23 | 22 23 34 | 4° 3'04 | 2♐52 | 27°58 | 20°16 | 9°55 | 22°57 | 25°11 | 1°45 | 8° 3 | 21°12 | 21°D28 | 20°38 | 15°13 | 6°33 | F 23 |
| S 24 | 22 27 30 | 5° 1'32 | 16°51 | 28°13 | 21°18 | 10°27 | 23° 8 | 25°18 | 1°48 | 8° 6 | 21°14 | 21°R28 | 20°34 | 15°20 | 6°32 | S 24 |
| S 25 | 22 31 27 | 6° 0'01 | 0♑41 | 28°23 | 22°19 | 11° 0 | 23°19 | 25°25 | 1°51 | 8° 8 | 21°15 | 21°28 | 20°31 | 15°27 | 6°31 | S 25 |
| M26 | 22 35 23 | 6°58'32 | 14°22 | 28°R26 | 23°20 | 11°32 | 23°30 | 25°32 | 1°54 | 8°10 | 21°16 | 21°26 | 20°28 | 15°33 | 6°30 | M26 |
| T 27 | 22 39 20 | 7°57'05 | 27°52 | 28°23 | 24°21 | 12° 4 | 23°40 | 25°39 | 1°58 | 8°12 | 21°17 | 21°22 | 20°25 | 15°40 | 6°29 | T 27 |
| W28 | 22 43 16 | 8°55'39 | 11♒13 | 28°13 | 25°22 | 12°36 | 23°51 | 25°46 | 2° 1 | 8°14 | 21°19 | 21°15 | 20°22 | 15°47 | 6°28 | W28 |
| T 29 | 22 47 13 | 9°54'15 | 24°22 | 27°57 | 26°22 | 13° 7 | 24° 3 | 25°53 | 2° 4 | 8°17 | 21°20 | 21° 5 | 20°18 | 15°53 | 6°27 | T 29 |
| F 30 | 22 51 10 | 10°52'54 | 7♓19 | 27°33 | 27°22 | 13°39 | 24°14 | 26° 0 | 2° 7 | 8°19 | 21°21 | 20°53 | 20°15 | 16° 0 | 6°25 | F 30 |
| S 31 | 22 55 6 | 11♍51'34 | 20♓ 3 | 27♍ 3 | 28♎21 | 14♊ 9 | 24♎25 | 26♍ 8 | 2♌10 | 8♍21 | 21♋22 | 20♐40 | 20♐12 | 16♉ 7 | 6♉24 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n 5 | 12s27 | 4n 2 | 8n29 | 0s23 | 1n10 | 0s12 | 18n42 | 0s56 | 6s37 | 1n 7 | 4n56 | 2n14 | 20n43 | 0n34 | 9n55 | 1n 7 | 26n 5 | 4n 9 | 23s24 | 23s19 | 18n51 | 13n47 | 0s 3 |
| F 2 | 16 48 | 7 39 | 4 39 | 7 50 | 0 32 | 0 39 | 0 16 | 18 51 | 0 56 | 6 40 | 1 7 | 4 54 | 2 14 | 20 42 | 0 34 | 9 55 | 1 7 | 26 5 | 4 9 | 23 24 | 23 19 | 18 52 | 13 47 | 0 3 |
| S 3 | 16 32 | 2 37 | 5 0 | 7 12 | 0 42 | 0 8 | 0 21 | 19 0 | 0 55 | 6 44 | 1 7 | 4 51 | 2 14 | 20 42 | 0 34 | 9 54 | 1 7 | 26 4 | 4 9 | 23 24 | 23 19 | 18 54 | 13 47 | 0 3 |
| S 4 | 16 14 | 2n25 | 5 6 | 6 34 | 0 51 | 0s22 | 0 25 | 19 9 | 0 54 | 6 47 | 1 6 | 4 49 | 2 13 | 20 41 | 0 34 | 9 53 | 1 7 | 26 4 | 4 10 | 23 23 | 23 19 | 18 55 | 13 47 | 0 3 |
| M 5 | 15 57 | 7 14 | 4 57 | 5 57 | 1 0 | 0 53 | 0 30 | 19 18 | 0 53 | 6 51 | 1 6 | 4 46 | 2 13 | 20 40 | 0 34 | 9 52 | 1 7 | 26 4 | 4 10 | 23 23 | 23 18 | 18 56 | 13 47 | 0 3 |
| T 6 | 15 39 | 11 40 | 4 35 | 5 20 | 1 9 | 1 24 | 0 35 | 19 27 | 0 52 | 6 54 | 1 6 | 4 43 | 2 13 | 20 39 | 0 34 | 9 51 | 1 7 | 26 4 | 4 10 | 23 22 | 23 18 | 18 58 | 13 47 | 0 3 |
| W 7 | 15 22 | 15 36 | 4 1 | 4 44 | 1 19 | 1 54 | 0 40 | 19 35 | 0 51 | 6 58 | 1 6 | 4 41 | 2 13 | 20 39 | 0 34 | 9 51 | 1 7 | 26 4 | 4 10 | 23 22 | 23 18 | 18 59 | 13 47 | 0 3 |
| T 8 | 15 3 | 18 52 | 3 17 | 4 8 | 1 28 | 2 25 | 0 45 | 19 43 | 0 50 | 7 2 | 1 6 | 4 38 | 2 13 | 20 38 | 0 34 | 9 50 | 1 7 | 26 4 | 4 10 | 23 22 | 23 18 | 19 1 | 13 47 | 0 3 |
| F 9 | 14 45 | 21 21 | 2 25 | 3 33 | 1 38 | 2 56 | 0 50 | 19 51 | 0 49 | 7 5 | 1 5 | 4 35 | 2 13 | 20 37 | 0 34 | 9 49 | 1 7 | 26 4 | 4 10 | 23 22 | 23 18 | 19 2 | 13 46 | 0 3 |
| S 10 | 14 26 | 22 55 | 1 26 | 2 58 | 1 47 | 3 26 | 0 55 | 19 59 | 0 48 | 7 9 | 1 5 | 4 33 | 2 13 | 20 36 | 0 34 | 9 48 | 1 7 | 26 4 | 4 10 | 23 22 | 23 17 | 19 3 | 13 46 | 0 3 |
| S 11 | 14 8 | 23 26 | 0 22 | 2 25 | 1 57 | 3 57 | 1 0 | 20 7 | 0 48 | 7 13 | 1 5 | 4 30 | 2 13 | 20 36 | 0 34 | 9 47 | 1 7 | 26 3 | 4 10 | 23 22 | 23 17 | 19 5 | 13 46 | 0 3 |
| M12 | 13 48 | 22 51 | 0s43 | 1 52 | 2 6 | 4 27 | 1 5 | 20 15 | 0 47 | 7 16 | 1 5 | 4 27 | 2 13 | 20 35 | 0 34 | 9 47 | 1 7 | 26 3 | 4 11 | 23 22 | 23 17 | 19 6 | 13 46 | 0 4 |
| T 13 | 13 29 | 21 7 | 1 48 | 1 21 | 2 16 | 4 57 | 1 10 | 20 22 | 0 46 | 7 20 | 1 5 | 4 25 | 2 13 | 20 34 | 0 34 | 9 46 | 1 7 | 26 3 | 4 11 | 23 22 | 23 17 | 19 7 | 13 46 | 0 4 |
| W14 | 13 10 | 18 16 | 2 49 | 0 51 | 2 25 | 5 27 | 1 15 | 20 30 | 0 45 | 7 24 | 1 4 | 4 22 | 2 13 | 20 33 | 0 34 | 9 45 | 1 7 | 26 3 | 4 11 | 23 22 | 23 16 | 19 9 | 13 46 | 0 4 |
| T 15 | 12 50 | 14 25 | 3 43 | 0 21 | 2 34 | 5 57 | 1 21 | 20 37 | 0 44 | 7 28 | 1 4 | 4 19 | 2 12 | 20 33 | 0 34 | 9 44 | 1 7 | 26 3 | 4 11 | 23 21 | 23 16 | 19 10 | 13 45 | 0 4 |
| F 16 | 12 30 | 9 43 | 4 25 | 0s 6 | 2 43 | 6 27 | 1 26 | 20 44 | 0 43 | 7 32 | 1 4 | 4 16 | 2 12 | 20 32 | 0 34 | 9 43 | 1 7 | 26 3 | 4 11 | 23 21 | 23 16 | 19 11 | 13 45 | 0 4 |
| S 17 | 12 10 | 4 27 | 4 52 | 0 33 | 2 52 | 6 57 | 1 31 | 20 51 | 0 42 | 7 36 | 1 4 | 4 14 | 2 12 | 20 31 | 0 34 | 9 42 | 1 7 | 26 3 | 4 11 | 23 20 | 23 16 | 19 13 | 13 45 | 0 4 |
| S 18 | 11 49 | 1s 9 | 5 3 | 0 58 | 3 1 | 7 27 | 1 37 | 20 57 | 0 41 | 7 40 | 1 4 | 4 11 | 2 12 | 20 30 | 0 34 | 9 42 | 1 7 | 26 3 | 4 11 | 23 20 | 23 16 | 19 14 | 13 44 | 0 4 |
| M19 | 11 29 | 6 44 | 4 54 | 1 20 | 3 9 | 7 56 | 1 42 | 21 4 | 0 40 | 7 44 | 1 4 | 4 8 | 2 12 | 20 30 | 0 34 | 9 41 | 1 7 | 26 3 | 4 11 | 23 19 | 23 15 | 19 15 | 13 44 | 0 4 |
| T 20 | 11 8 | 11 59 | 4 27 | 1 42 | 3 17 | 8 26 | 1 48 | 21 10 | 0 39 | 7 48 | 1 3 | 4 5 | 2 12 | 20 29 | 0 34 | 9 40 | 1 7 | 26 3 | 4 12 | 23 18 | 23 15 | 19 17 | 13 44 | 0 4 |
| W21 | 10 47 | 16 33 | 3 42 | 2 0 | 3 24 | 8 55 | 1 53 | 21 17 | 0 37 | 7 52 | 1 3 | 4 2 | 2 12 | 20 28 | 0 34 | 9 39 | 1 7 | 26 3 | 4 12 | 23 18 | 23 15 | 19 18 | 13 43 | 0 4 |
| T 22 | 10 26 | 20 7 | 2 45 | 2 17 | 3 32 | 9 24 | 1 59 | 21 23 | 0 36 | 7 56 | 1 3 | 3 59 | 2 12 | 20 27 | 0 35 | 9 38 | 1 7 | 26 2 | 4 12 | 23 18 | 23 15 | 19 19 | 13 43 | 0 4 |
| F 23 | 10 5 | 22 26 | 1 37 | 2 31 | 3 38 | 9 53 | 2 4 | 21 29 | 0 35 | 8 0 | 1 3 | 3 57 | 2 12 | 20 27 | 0 35 | 9 38 | 1 7 | 26 2 | 4 12 | 23 18 | 23 14 | 19 21 | 13 43 | 0 4 |
| S 24 | 9 43 | 23 20 | 0 24 | 2 43 | 3 44 | 10 21 | 2 10 | 21 35 | 0 34 | 8 4 | 1 3 | 3 54 | 2 12 | 20 26 | 0 35 | 9 37 | 1 7 | 26 2 | 4 12 | 23 18 | 23 14 | 19 22 | 13 42 | 0 5 |
| S 25 | 9 22 | 22 46 | 0n49 | 2 51 | 3 49 | 10 50 | 2 15 | 21 41 | 0 33 | 8 8 | 1 2 | 3 51 | 2 12 | 20 25 | 0 35 | 9 36 | 1 7 | 26 2 | 4 12 | 23 18 | 23 14 | 19 23 | 13 42 | 0 5 |
| M26 | 9 0 | 20 50 | 1 58 | 2 57 | 3 54 | 11 18 | 2 21 | 21 46 | 0 32 | 8 13 | 1 2 | 3 48 | 2 12 | 20 25 | 0 35 | 9 35 | 1 7 | 26 2 | 4 12 | 23 18 | 23 14 | 19 25 | 13 41 | 0 5 |
| T 27 | 8 38 | 17 46 | 3 0 | 2 59 | 3 57 | 11 45 | 2 26 | 21 52 | 0 31 | 8 17 | 1 2 | 3 45 | 2 12 | 20 24 | 0 35 | 9 34 | 1 7 | 26 2 | 4 13 | 23 18 | 23 14 | 19 26 | 13 41 | 0 5 |
| W28 | 8 16 | 13 48 | 3 51 | 2 57 | 4 0 | 12 13 | 2 32 | 21 57 | 0 29 | 8 21 | 1 2 | 3 42 | 2 12 | 20 23 | 0 35 | 9 33 | 1 7 | 26 2 | 4 13 | 23 17 | 23 13 | 19 27 | 13 40 | 0 5 |
| T 29 | 7 54 | 9 15 | 4 29 | 2 52 | 4 1 | 12 40 | 2 38 | 22 2 | 0 28 | 8 25 | 1 2 | 3 39 | 2 12 | 20 22 | 0 35 | 9 33 | 1 7 | 26 2 | 4 13 | 23 16 | 23 13 | 19 28 | 13 40 | 0 5 |
| F 30 | 7 32 | 4 21 | 4 52 | 2 42 | 4 1 | 13 8 | 2 43 | 22 7 | 0 27 | 8 29 | 1 2 | 3 37 | 2 12 | 20 22 | 0 35 | 9 32 | 1 7 | 26 2 | 4 13 | 23 16 | 23 13 | 19 30 | 13 39 | 0 5 |
| S 31 | 7n 9 | 0n38 | 5n 0 | 2s28 | 3s59 | 13s34 | 2s49 | 22n12 | 0s26 | 8s34 | 1n 2 | 3n34 | 2n12 | 20n21 | 0n35 | 9n31 | 1n 7 | 26n 2 | 4n13 | 23s15 | 23s13 | 19n31 | 13n39 | 0s 5 |

Julian Day Number = 2068257.5, Delta T = 28m48s
Ecliptic obliquity = 23°34'29, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°06'55, Lahiri = 9°13'56 Julian Calendar 1 Aug. 950 == Greg. Calendar 6 Aug. 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## SEPTEMBER 950 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 59 3 | 12♍50'16 | 2♈34 | 26°R25 | 29♎20 | 14♊40 | 24♎36 | 26♍15 | 2♌13 | 8♍23 | 21♋23 | 20°R27 | 20♐ 9 | 16♉13 | 6°R23 | S 1 |
| M 2 | 23 2 59 | 13°49'00 | 14°51 | 25♍41 | 0♏19 | 15°11 | 24°48 | 26°22 | 2°16 | 8°26 | 21°25 | 20♐15 | 20° 6 | 16°20 | 6♉21 | M 2 |
| T 3 | 23 6 56 | 14°47'47 | 26°56 | 24°50 | 1°17 | 15°41 | 24°59 | 26°29 | 2°19 | 8°28 | 21°26 | 20° 5 | 20° 3 | 16°27 | 6°20 | T 3 |
| W 4 | 23 10 52 | 15°46'35 | 8♉52 | 23°53 | 2°15 | 16°11 | 25°11 | 26°37 | 2°22 | 8°30 | 21°27 | 19°58 | 19°59 | 16°33 | 6°18 | W 4 |
| T 5 | 23 14 49 | 16°45'26 | 20°41 | 22°52 | 3°12 | 16°40 | 25°22 | 26°44 | 2°25 | 8°32 | 21°28 | 19°53 | 19°56 | 16°40 | 6°16 | T 5 |
| F 6 | 23 18 45 | 17°44'20 | 2♊29 | 21°48 | 4° 9 | 17°10 | 25°34 | 26°51 | 2°28 | 8°34 | 21°29 | 19°51 | 19°53 | 16°47 | 6°15 | F 6 |
| S 7 | 23 22 42 | 18°43'15 | 14°21 | 20°41 | 5° 6 | 17°39 | 25°45 | 26°58 | 2°31 | 8°37 | 21°30 | 19°51 | 19°50 | 16°53 | 6°13 | S 7 |
| S 8 | 23 26 39 | 19°42'13 | 26°21 | 19°34 | 6° 2 | 18° 8 | 25°57 | 27° 6 | 2°34 | 8°39 | 21°31 | 19°51 | 19°47 | 17° 0 | 6°11 | S 8 |
| M 9 | 23 30 35 | 20°41'14 | 8♋35 | 18°27 | 6°58 | 18°36 | 26° 9 | 27°13 | 2°36 | 8°41 | 21°32 | 19°50 | 19°44 | 17° 7 | 6° 9 | M 9 |
| T 10 | 23 34 32 | 21°40'17 | 21°10 | 17°24 | 7°53 | 19° 4 | 26°21 | 27°20 | 2°39 | 8°43 | 21°33 | 19°48 | 19°40 | 17°13 | 6° 7 | T 10 |
| W11 | 23 38 28 | 22°39'22 | 4♌ 7 | 16°25 | 8°47 | 19°32 | 26°33 | 27°28 | 2°42 | 8°45 | 21°34 | 19°43 | 19°37 | 17°20 | 6° 5 | W11 |
| T 12 | 23 42 25 | 23°38'29 | 17°32 | 15°33 | 9°41 | 20° 0 | 26°45 | 27°35 | 2°44 | 8°48 | 21°35 | 19°35 | 19°34 | 17°27 | 6° 3 | T 12 |
| F 13 | 23 46 21 | 24°37'38 | 1♍23 | 14°48 | 10°35 | 20°27 | 26°57 | 27°42 | 2°47 | 8°50 | 21°36 | 19°25 | 19°31 | 17°33 | 6° 1 | F 13 |
| S 14 | 23 50 18 | 25°36'50 | 15°39 | 14°13 | 11°28 | 20°54 | 27° 9 | 27°50 | 2°50 | 8°52 | 21°37 | 19°14 | 19°28 | 17°40 | 5°59 | S 14 |
| S 15 | 23 54 14 | 26°36'04 | 0♎14 | 13°47 | 12°20 | 21°20 | 27°21 | 27°57 | 2°52 | 8°54 | 21°38 | 19° 2 | 19°24 | 17°47 | 5°57 | S 15 |
| M16 | 23 58 11 | 27°35'20 | 15° 1 | 13°31 | 13°12 | 21°46 | 27°34 | 28° 4 | 2°55 | 8°56 | 21°38 | 18°51 | 19°21 | 17°53 | 5°55 | M16 |
| T 17 | 0 2 7 | 28°34'38 | 29°52 | 13°D26 | 14° 3 | 22°12 | 27°46 | 28°12 | 2°57 | 8°58 | 21°39 | 18°42 | 19°18 | 18° 0 | 5°53 | T 17 |
| W18 | 0 6 4 | 29°33'58 | 14♏38 | 13°32 | 14°53 | 22°38 | 27°58 | 28°19 | 3° 0 | 9° 1 | 21°40 | 18°36 | 19°15 | 18° 7 | 5°51 | W18 |
| T 19 | 0 10 1 | 0♎33'20 | 29°12 | 13°48 | 15°42 | 23° 3 | 28°11 | 28°26 | 3° 2 | 9° 3 | 21°41 | 18°33 | 19°12 | 18°13 | 5°48 | T 19 |
| F 20 | 0 13 57 | 1°32'43 | 13♐32 | 14°15 | 16°31 | 23°27 | 28°23 | 28°34 | 3° 4 | 9° 5 | 21°42 | 18°D32 | 19° 9 | 18°20 | 5°46 | F 20 |
| S 21 | 0 17 54 | 2°32'09 | 27°34 | 14°51 | 17°19 | 23°52 | 28°36 | 28°41 | 3° 7 | 9° 7 | 21°42 | 18°R32 | 19° 5 | 18°27 | 5°44 | S 21 |
| S 22 | 0 21 50 | 3°31'36 | 11♑19 | 15°35 | 18° 7 | 24°15 | 28°48 | 28°48 | 3° 9 | 9° 9 | 21°43 | 18°32 | 19° 2 | 18°33 | 5°41 | S 22 |
| M23 | 0 25 47 | 4°31'05 | 24°47 | 16°28 | 18°53 | 24°39 | 29° 1 | 28°56 | 3°11 | 9°11 | 21°44 | 18°30 | 18°59 | 18°40 | 5°39 | M23 |
| T 24 | 0 29 43 | 5°30'36 | 8♒ 1 | 17°29 | 19°39 | 25° 2 | 29°13 | 29° 3 | 3°13 | 9°13 | 21°44 | 18°26 | 18°56 | 18°47 | 5°36 | T 24 |
| W25 | 0 33 40 | 6°30'09 | 21° 2 | 18°36 | 20°23 | 25°25 | 29°26 | 29°10 | 3°15 | 9°15 | 21°45 | 18°20 | 18°53 | 18°53 | 5°34 | W25 |
| T 26 | 0 37 36 | 7°29'43 | 3♓51 | 19°48 | 21° 7 | 25°47 | 29°39 | 29°17 | 3°18 | 9°17 | 21°46 | 18°10 | 18°49 | 19° 0 | 5°31 | T 26 |
| F 27 | 0 41 33 | 8°29'19 | 16°29 | 21° 6 | 21°50 | 26° 9 | 29°51 | 29°25 | 3°20 | 9°19 | 21°46 | 17°59 | 18°46 | 19° 7 | 5°29 | F 27 |
| S 28 | 0 45 30 | 9°28'58 | 28°56 | 22°28 | 22°31 | 26°30 | 0♏ 4 | 29°32 | 3°22 | 9°21 | 21°47 | 17°46 | 18°43 | 19°13 | 5°26 | S 28 |
| S 29 | 0 49 26 | 10°28'38 | 11♈13 | 23°54 | 23°12 | 26°51 | 0°17 | 29°39 | 3°24 | 9°23 | 21°47 | 17°34 | 18°40 | 19°20 | 5°23 | S 29 |
| M30 | 0 53 23 | 11♎28'20 | 23♈20 | 25♍23 | 23♏51 | 27♊11 | 0♏30 | 29♍47 | 3♌25 | 9♍25 | 21♋48 | 17♐22 | 18♐37 | 19♉27 | 5♉21 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n47 | 5n31 | 4n54 | 2s10 | 3s56 | 14s 1 | 2s54 | 22n17 | 0s25 | 8s38 | 1n 1 | 3n31 | 2n12 | 20n20 | 0n35 | 9n30 | 1n 7 | 26n 2 | 4n13 | 23s14 | 23s12 | 19n32 | 13n38 | 0s 5 |
| M 2 | 6 24 | 10 5 | 4 34 | 1 48 | 3 51 | 14 27 | 3 0 | 22 22 | 0 23 | 8 42 | 1 1 | 3 28 | 2 12 | 20 20 | 0 35 | 9 29 | 1 7 | 26 2 | 4 14 | 23 13 | 23 12 | 19 33 | 13 38 | 0 5 |
| T 3 | 6 1 | 14 11 | 4 1 | 1 21 | 3 44 | 14 53 | 3 6 | 22 26 | 0 22 | 8 47 | 1 1 | 3 25 | 2 12 | 20 19 | 0 35 | 9 28 | 1 7 | 26 2 | 4 14 | 23 12 | 23 12 | 19 35 | 13 37 | 0 5 |
| W 4 | 5 38 | 17 40 | 3 19 | 0 51 | 3 35 | 15 19 | 3 11 | 22 30 | 0 21 | 8 51 | 1 1 | 3 22 | 2 12 | 20 19 | 0 35 | 9 28 | 1 7 | 26 2 | 4 14 | 23 12 | 23 12 | 19 36 | 13 37 | 0 5 |
| T 5 | 5 15 | 20 24 | 2 28 | 0 16 | 3 24 | 15 44 | 3 17 | 22 35 | 0 20 | 8 55 | 1 1 | 3 19 | 2 12 | 20 18 | 0 35 | 9 27 | 1 7 | 26 2 | 4 14 | 23 11 | 23 11 | 19 37 | 13 36 | 0 6 |
| F 6 | 4 52 | 22 15 | 1 31 | 0n21 | 3 11 | 16 9 | 3 22 | 22 39 | 0 18 | 9 0 | 1 1 | 3 16 | 2 12 | 20 17 | 0 35 | 9 26 | 1 7 | 26 2 | 4 14 | 23 11 | 23 11 | 19 38 | 13 35 | 0 6 |
| S 7 | 4 29 | 23 8 | 0 29 | 1 1 | 2 56 | 16 33 | 3 28 | 22 43 | 0 17 | 9 4 | 1 0 | 3 13 | 2 12 | 20 17 | 0 35 | 9 25 | 1 7 | 26 2 | 4 14 | 23 11 | 23 11 | 19 40 | 13 35 | 0 6 |
| S 8 | 4 6 | 22 57 | 0s34 | 1 42 | 2 40 | 16 57 | 3 33 | 22 47 | 0 15 | 9 9 | 1 0 | 3 10 | 2 12 | 20 16 | 0 35 | 9 24 | 1 7 | 26 2 | 4 14 | 23 11 | 23 11 | 19 41 | 13 34 | 0 6 |
| M 9 | 3 43 | 21 40 | 1 38 | 2 25 | 2 22 | 17 21 | 3 39 | 22 51 | 0 14 | 9 13 | 1 0 | 3 7 | 2 12 | 20 15 | 0 35 | 9 23 | 1 7 | 26 2 | 4 15 | 23 11 | 23 10 | 19 42 | 13 33 | 0 6 |
| T 10 | 3 19 | 19 18 | 2 38 | 3 7 | 2 3 | 17 45 | 3 44 | 22 55 | 0 13 | 9 18 | 1 0 | 3 5 | 2 12 | 20 15 | 0 35 | 9 23 | 1 7 | 26 2 | 4 15 | 23 11 | 23 10 | 19 43 | 13 33 | 0 6 |
| W11 | 2 56 | 15 55 | 3 31 | 3 48 | 1 44 | 18 8 | 3 50 | 22 58 | 0 11 | 9 22 | 1 0 | 3 2 | 2 12 | 20 14 | 0 35 | 9 22 | 1 7 | 26 2 | 4 15 | 23 10 | 23 10 | 19 45 | 13 32 | 0 6 |
| T 12 | 2 32 | 11 37 | 4 15 | 4 27 | 1 23 | 18 30 | 3 55 | 23 2 | 0 10 | 9 27 | 1 0 | 2 59 | 2 12 | 20 14 | 0 35 | 9 21 | 1 7 | 26 2 | 4 15 | 23 10 | 23 10 | 19 46 | 13 31 | 0 6 |
| F 13 | 2 9 | 6 35 | 4 46 | 5 3 | 1 3 | 18 53 | 4 0 | 23 5 | 0 8 | 9 31 | 1 0 | 2 56 | 2 12 | 20 13 | 0 35 | 9 20 | 1 7 | 26 2 | 4 15 | 23 9 | 23 9 | 19 47 | 13 30 | 0 6 |
| S 14 | 1 45 | 1 5 | 5 0 | 5 35 | 0 43 | 19 14 | 4 5 | 23 9 | 0 7 | 9 36 | 0 59 | 2 53 | 2 12 | 20 12 | 0 35 | 9 19 | 1 7 | 26 2 | 4 15 | 23 8 | 23 9 | 19 48 | 13 30 | 0 6 |
| S 15 | 1 22 | 4s36 | 4 55 | 6 3 | 0 23 | 19 36 | 4 11 | 23 12 | 0 5 | 9 40 | 0 59 | 2 50 | 2 12 | 20 12 | 0 35 | 9 19 | 1 7 | 26 2 | 4 16 | 23 7 | 23 9 | 19 49 | 13 29 | 0 6 |
| M16 | 0 58 | 10 6 | 4 30 | 6 27 | 0 5 | 19 57 | 4 16 | 23 15 | 0 4 | 9 45 | 0 59 | 2 47 | 2 12 | 20 11 | 0 35 | 9 18 | 1 7 | 26 2 | 4 16 | 23 6 | 23 9 | 19 50 | 13 28 | 0 7 |
| T 17 | 0 34 | 15 2 | 3 47 | 6 45 | 0n13 | 20 17 | 4 21 | 23 18 | 0 2 | 9 49 | 0 59 | 2 44 | 2 12 | 20 11 | 0 35 | 9 17 | 1 7 | 26 2 | 4 16 | 23 5 | 23 8 | 19 52 | 13 27 | 0 7 |
| W18 | 0 10 | 19 1 | 2 49 | 6 58 | 0 30 | 20 37 | 4 26 | 23 21 | 0 1 | 9 54 | 0 59 | 2 41 | 2 12 | 20 10 | 0 35 | 9 16 | 1 7 | 26 2 | 4 16 | 23 5 | 23 8 | 19 53 | 13 26 | 0 7 |
| T 19 | 0s13 | 21 44 | 1 40 | 7 6 | 0 45 | 20 57 | 4 31 | 23 24 | 0n 1 | 9 58 | 0 59 | 2 38 | 2 12 | 20 10 | 0 35 | 9 15 | 1 7 | 26 2 | 4 16 | 23 5 | 23 8 | 19 54 | 13 25 | 0 7 |
| F 20 | 0 37 | 22 59 | 0 27 | 7 8 | 0 59 | 21 16 | 4 35 | 23 27 | 0 2 | 10 3 | 0 59 | 2 35 | 2 12 | 20 9 | 0 35 | 9 15 | 1 7 | 26 2 | 4 17 | 23 5 | 23 8 | 19 55 | 13 25 | 0 7 |
| S 21 | 1 1 | 22 45 | 0n48 | 7 6 | 1 11 | 21 34 | 4 40 | 23 30 | 0 4 | 10 7 | 0 59 | 2 32 | 2 12 | 20 9 | 0 35 | 9 14 | 1 7 | 26 2 | 4 17 | 23 5 | 23 7 | 19 56 | 13 24 | 0 7 |
| S 22 | 1 25 | 21 8 | 1 58 | 6 58 | 1 22 | 21 52 | 4 45 | 23 33 | 0 6 | 10 12 | 0 59 | 2 30 | 2 12 | 20 8 | 0 35 | 9 13 | 1 7 | 26 2 | 4 17 | 23 5 | 23 7 | 19 57 | 13 23 | 0 7 |
| M23 | 1 48 | 18 21 | 3 0 | 6 46 | 1 31 | 22 10 | 4 49 | 23 35 | 0 7 | 10 16 | 0 58 | 2 27 | 2 12 | 20 8 | 0 35 | 9 12 | 1 7 | 26 2 | 4 17 | 23 4 | 23 7 | 19 59 | 13 22 | 0 7 |
| T 24 | 2 12 | 14 39 | 3 51 | 6 30 | 1 39 | 22 27 | 4 54 | 23 38 | 0 9 | 10 21 | 0 58 | 2 24 | 2 12 | 20 7 | 0 35 | 9 12 | 1 7 | 26 2 | 4 17 | 23 4 | 23 7 | 20 0 | 13 21 | 0 7 |
| W25 | 2 36 | 10 19 | 4 29 | 6 10 | 1 46 | 22 43 | 4 58 | 23 40 | 0 11 | 10 26 | 0 58 | 2 21 | 2 12 | 20 7 | 0 35 | 9 11 | 1 7 | 26 2 | 4 17 | 23 4 | 23 6 | 20 1 | 13 20 | 0 7 |
| T 26 | 2 59 | 5 36 | 4 53 | 5 46 | 1 51 | 22 59 | 5 2 | 23 43 | 0 12 | 10 30 | 0 58 | 2 18 | 2 12 | 20 6 | 0 36 | 9 10 | 1 7 | 26 2 | 4 18 | 23 3 | 23 6 | 20 2 | 13 19 | 0 7 |
| F 27 | 3 23 | 0 44 | 5 2 | 5 19 | 1 56 | 23 15 | 5 6 | 23 45 | 0 14 | 10 35 | 0 58 | 2 15 | 2 12 | 20 6 | 0 36 | 9 9 | 1 7 | 26 3 | 4 18 | 23 2 | 23 6 | 20 3 | 13 18 | 0 7 |
| S 28 | 3 47 | 4n 6 | 4 56 | 4 49 | 1 59 | 23 30 | 5 10 | 23 48 | 0 16 | 10 39 | 0 58 | 2 12 | 2 12 | 20 6 | 0 36 | 9 9 | 1 7 | 26 3 | 4 18 | 23 1 | 23 6 | 20 4 | 13 17 | 0 8 |
| S 29 | 4 10 | 8 42 | 4 37 | 4 17 | 2 1 | 23 44 | 5 14 | 23 50 | 0 18 | 10 44 | 0 58 | 2 10 | 2 12 | 20 5 | 0 36 | 9 8 | 1 7 | 26 3 | 4 18 | 22 59 | 23 5 | 20 5 | 13 16 | 0 8 |
| M30 | 4s34 | 12n54 | 4n 5 | 3n42 | 2n 2 | 23s57 | 5s17 | 23n52 | 0n20 | 10s49 | 0n58 | 2n 7 | 2n12 | 20n 5 | 0n36 | 9n 7 | 1n 7 | 26n 3 | 4n18 | 22s58 | 23s 5 | 20n 6 | 13n15 | 0s 8 |

Julian Day Number = 2068288.5, Delta T = 28m48s
Ecliptic obliquity = 23°34'30, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°06'59, Lahiri = 9°14'00 Julian Calendar 1 Sept. 950 == Greg. Calendar 6 Sept. 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## OCTOBER 950 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 57 19 | 12♎28'05 | 5♉18 | 26♍54 | 24♏29 | 27♊31 | 0♏43 | 29♍54 | 3♌27 | 9♍27 | 21♋48 | 17°R13 | 18♐34 | 19♉33 | 5°R18 | T 1 |
| W 2 | 1 1 16 | 13°27'51 | 17°10 | 28°28 | 25° 6 | 27°51 | 0°56 | 0♎ 1 | 3°29 | 9°29 | 21°49 | 17♐ 6 | 18°30 | 19°40 | 5♉15 | W 2 |
| T 3 | 1 5 12 | 14°27'40 | 28°58 | 0♎ 3 | 25°42 | 28°10 | 1° 8 | 0° 8 | 3°31 | 9°31 | 21°49 | 17° 1 | 18°27 | 19°47 | 5°13 | T 3 |
| F 4 | 1 9 9 | 15°27'31 | 10♊44 | 1°40 | 26°17 | 28°28 | 1°21 | 0°15 | 3°33 | 9°33 | 21°50 | 17° 0 | 18°24 | 19°53 | 5°10 | F 4 |
| S 5 | 1 13 5 | 16°27'24 | 22°34 | 3°18 | 26°50 | 28°46 | 1°34 | 0°23 | 3°34 | 9°35 | 21°50 | 17°D 0 | 18°21 | 20° 0 | 5° 7 | S 5 |
| S 6 | 1 17 2 | 17°27'20 | 4♋33 | 4°56 | 27°22 | 29° 4 | 1°47 | 0°30 | 3°36 | 9°36 | 21°50 | 17° 0 | 18°18 | 20° 7 | 5° 4 | S 6 |
| M 7 | 1 20 59 | 18°27'17 | 16°45 | 6°35 | 27°52 | 29°21 | 2° 1 | 0°37 | 3°37 | 9°38 | 21°51 | 17°R 1 | 18°15 | 20°13 | 5° 1 | M 7 |
| T 8 | 1 24 55 | 19°27'17 | 29°15 | 8°15 | 28°21 | 29°37 | 2°14 | 0°44 | 3°39 | 9°40 | 21°51 | 17° 0 | 18°11 | 20°20 | 4°58 | T 8 |
| W 9 | 1 28 52 | 20°27'19 | 12♌ 9 | 9°54 | 28°48 | 29°53 | 2°27 | 0°51 | 3°40 | 9°42 | 21°51 | 16°58 | 18° 8 | 20°27 | 4°55 | W 9 |
| T 10 | 1 32 48 | 21°27'24 | 25°31 | 11°34 | 29°13 | 0♋ 8 | 2°40 | 0°58 | 3°42 | 9°44 | 21°51 | 16°54 | 18° 5 | 20°33 | 4°53 | T 10 |
| F 11 | 1 36 45 | 22°27'30 | 9♍22 | 13°14 | 29°37 | 0°22 | 2°53 | 1° 5 | 3°43 | 9°46 | 21°52 | 16°47 | 18° 2 | 20°40 | 4°50 | F 11 |
| S 12 | 1 40 41 | 23°27'38 | 23°42 | 14°54 | 29°59 | 0°36 | 3° 6 | 1°12 | 3°45 | 9°47 | 21°52 | 16°39 | 17°59 | 20°47 | 4°47 | S 12 |
| S 13 | 1 44 38 | 24°27'49 | 8♎26 | 16°34 | 0♐19 | 0°50 | 3°19 | 1°19 | 3°46 | 9°49 | 21°52 | 16°30 | 17°55 | 20°53 | 4°44 | S 13 |
| M14 | 1 48 34 | 25°28'02 | 23°27 | 18°13 | 0°38 | 1° 3 | 3°33 | 1°26 | 3°47 | 9°51 | 21°52 | 16°22 | 17°52 | 21° 0 | 4°41 | M14 |
| T 15 | 1 52 31 | 26°28'16 | 8♏37 | 19°52 | 0°54 | 1°15 | 3°46 | 1°33 | 3°48 | 9°52 | 21°52 | 16°16 | 17°49 | 21° 7 | 4°38 | T 15 |
| W16 | 1 56 27 | 27°28'32 | 23°44 | 21°31 | 1° 8 | 1°26 | 3°59 | 1°40 | 3°49 | 9°54 | 21°52 | 16°11 | 17°46 | 21°13 | 4°35 | W16 |
| T 17 | 2 0 24 | 28°28'50 | 8♐40 | 23° 9 | 1°21 | 1°37 | 4°12 | 1°47 | 3°50 | 9°56 | 21°52 | 16° 9 | 17°43 | 21°20 | 4°32 | T 17 |
| F 18 | 2 4 21 | 29°29'10 | 23°18 | 24°48 | 1°31 | 1°47 | 4°25 | 1°53 | 3°51 | 9°57 | 21°52 | 16°D 9 | 17°40 | 21°27 | 4°29 | F 18 |
| S 19 | 2 8 17 | 0♏29'31 | 7♑33 | 26°26 | 1°39 | 1°56 | 4°39 | 2° 0 | 3°52 | 9°59 | 21°R52 | 16°11 | 17°36 | 21°33 | 4°26 | S 19 |
| S 20 | 2 12 14 | 1°29'53 | 21°25 | 28° 3 | 1°44 | 2° 5 | 4°52 | 2° 7 | 3°53 | 10° 0 | 21°52 | 16°12 | 17°33 | 21°40 | 4°23 | S 20 |
| M21 | 2 16 10 | 2°30'17 | 4♒55 | 29°40 | 1°48 | 2°13 | 5° 5 | 2°14 | 3°54 | 10° 2 | 21°52 | 16°R12 | 17°30 | 21°47 | 4°20 | M21 |
| T 22 | 2 20 7 | 3°30'43 | 18° 3 | 1♏17 | 1°R49 | 2°21 | 5°19 | 2°20 | 3°55 | 10° 3 | 21°52 | 16°11 | 17°27 | 21°53 | 4°17 | T 22 |
| W23 | 2 24 3 | 4°31'09 | 0♓54 | 2°54 | 1°47 | 2°27 | 5°32 | 2°27 | 3°55 | 10° 5 | 21°52 | 16° 8 | 17°24 | 22° 0 | 4°14 | W23 |
| T 24 | 2 28 0 | 5°31'37 | 13°30 | 4°30 | 1°43 | 2°33 | 5°45 | 2°33 | 3°56 | 10° 6 | 21°52 | 16° 3 | 17°21 | 22° 7 | 4°11 | T 24 |
| F 25 | 2 31 56 | 6°32'07 | 25°53 | 6° 6 | 1°37 | 2°38 | 5°58 | 2°40 | 3°57 | 10° 8 | 21°52 | 15°56 | 17°17 | 22°13 | 4° 7 | F 25 |
| S 26 | 2 35 53 | 7°32'37 | 8♈ 5 | 7°42 | 1°28 | 2°42 | 6°12 | 2°46 | 3°57 | 10° 9 | 21°52 | 15°49 | 17°14 | 22°20 | 4° 4 | S 26 |
| S 27 | 2 39 50 | 8°33'10 | 20° 9 | 9°17 | 1°16 | 2°46 | 6°25 | 2°53 | 3°58 | 10°11 | 21°52 | 15°42 | 17°11 | 22°27 | 4° 1 | S 27 |
| M28 | 2 43 46 | 9°33'44 | 2♉ 7 | 10°52 | 1° 3 | 2°49 | 6°38 | 2°59 | 3°58 | 10°12 | 21°51 | 15°35 | 17° 8 | 22°33 | 3°58 | M28 |
| T 29 | 2 47 43 | 10°34'19 | 13°59 | 12°27 | 0°46 | 2°51 | 6°52 | 3° 6 | 3°59 | 10°13 | 21°51 | 15°30 | 17° 5 | 22°40 | 3°55 | T 29 |
| W30 | 2 51 39 | 11°34'56 | 25°48 | 14° 2 | 0°28 | 2°52 | 7° 5 | 3°12 | 3°59 | 10°14 | 21°51 | 15°26 | 17° 1 | 22°47 | 3°52 | W30 |
| T 31 | 2 55 36 | 12♏35'34 | 7♊36 | 15♏36 | 0♐ 7 | 2°R52 | 7♏18 | 3♎18 | 3♌59 | 10♍16 | 21♋50 | 15♐24 | 16♐58 | 22♉53 | 3♉49 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 4s57 | 16n33 | 3n23 | 3n 6 | 2n 2 | 24s10 | 5s21 | 23n55 | 0n21 | 10s53 | 0n58 | 2n 4 | 2n12 | 20n 4 | 0n36 | 9n 7 | 1n 7 | 26n 3 | 4n19 | 22s57 | 23s 5 | 20n 7 | 13n14 | 0s 8 | T 1 |
| W 2 | 5 21 | 19 29 | 2 32 | 2 28 | 2 1 | 24 23 | 5 24 | 23 57 | 0 23 | 10 58 | 0 57 | 2 1 | 2 13 | 20 4 | 0 36 | 9 6 | 1 7 | 26 3 | 4 19 | 22 57 | 23 4 | 20 9 | 13 13 | 0 8 | W 2 |
| T 3 | 5 44 | 21 35 | 1 35 | 1 49 | 2 0 | 24 35 | 5 27 | 23 59 | 0 25 | 11 2 | 0 57 | 1 58 | 2 13 | 20 3 | 0 36 | 9 5 | 1 7 | 26 3 | 4 19 | 22 56 | 23 4 | 20 10 | 13 12 | 0 8 | T 3 |
| F 4 | 6 7 | 22 44 | 0 33 | 1 8 | 1 58 | 24 46 | 5 30 | 24 1 | 0 27 | 11 7 | 0 57 | 1 55 | 2 13 | 20 3 | 0 36 | 9 4 | 1 7 | 26 3 | 4 19 | 22 56 | 23 4 | 20 11 | 13 11 | 0 8 | F 4 |
| S 5 | 6 30 | 22 52 | 0s30 | 0 27 | 1 55 | 24 56 | 5 32 | 24 3 | 0 29 | 11 12 | 0 57 | 1 53 | 2 13 | 20 3 | 0 36 | 9 4 | 1 7 | 26 3 | 4 19 | 22 56 | 23 4 | 20 12 | 13 10 | 0 8 | S 5 |
| S 6 | 6 53 | 21 57 | 1 33 | 0s16 | 1 52 | 25 6 | 5 35 | 24 5 | 0 31 | 11 16 | 0 57 | 1 50 | 2 13 | 20 2 | 0 36 | 9 3 | 1 8 | 26 3 | 4 19 | 22 56 | 23 3 | 20 13 | 13 9 | 0 8 | S 6 |
| M 7 | 7 16 | 20 0 | 2 33 | 0 58 | 1 48 | 25 15 | 5 37 | 24 8 | 0 33 | 11 21 | 0 57 | 1 47 | 2 13 | 20 2 | 0 36 | 9 2 | 1 8 | 26 4 | 4 20 | 22 56 | 23 3 | 20 14 | 13 8 | 0 8 | M 7 |
| T 8 | 7 39 | 17 3 | 3 27 | 1 42 | 1 44 | 25 24 | 5 39 | 24 10 | 0 35 | 11 25 | 0 57 | 1 44 | 2 13 | 20 2 | 0 36 | 9 2 | 1 8 | 26 4 | 4 20 | 22 56 | 23 3 | 20 15 | 13 7 | 0 8 | T 8 |
| W 9 | 8 2 | 13 13 | 4 12 | 2 25 | 1 40 | 25 32 | 5 40 | 24 12 | 0 37 | 11 30 | 0 57 | 1 42 | 2 13 | 20 1 | 0 36 | 9 1 | 1 8 | 26 4 | 4 20 | 22 56 | 23 3 | 20 16 | 13 6 | 0 9 | W 9 |
| T 10 | 8 25 | 8 36 | 4 46 | 3 9 | 1 35 | 25 39 | 5 42 | 24 14 | 0 39 | 11 35 | 0 57 | 1 39 | 2 13 | 20 1 | 0 36 | 9 0 | 1 8 | 26 4 | 4 20 | 22 55 | 23 2 | 20 17 | 13 5 | 0 9 | T 10 |
| F 11 | 8 47 | 3 24 | 5 4 | 3 53 | 1 30 | 25 45 | 5 43 | 24 16 | 0 41 | 11 39 | 0 57 | 1 36 | 2 13 | 20 1 | 0 36 | 9 0 | 1 8 | 26 4 | 4 20 | 22 55 | 23 2 | 20 18 | 13 4 | 0 9 | F 11 |
| S 12 | 9 10 | 2s 8 | 5 4 | 4 36 | 1 24 | 25 51 | 5 43 | 24 18 | 0 44 | 11 44 | 0 57 | 1 33 | 2 13 | 20 1 | 0 36 | 8 59 | 1 8 | 26 4 | 4 21 | 22 54 | 23 2 | 20 19 | 13 3 | 0 9 | S 12 |
| S 13 | 9 32 | 7 43 | 4 45 | 5 20 | 1 19 | 25 55 | 5 44 | 24 20 | 0 46 | 11 48 | 0 57 | 1 31 | 2 13 | 20 0 | 0 36 | 8 59 | 1 8 | 26 5 | 4 21 | 22 53 | 23 1 | 20 20 | 13 2 | 0 9 | S 13 |
| M14 | 9 54 | 12 57 | 4 5 | 6 4 | 1 13 | 25 59 | 5 44 | 24 22 | 0 48 | 11 53 | 0 56 | 1 28 | 2 14 | 20 0 | 0 36 | 8 58 | 1 8 | 26 5 | 4 21 | 22 52 | 23 1 | 20 21 | 13 1 | 0 9 | M14 |
| T 15 | 10 16 | 17 25 | 3 8 | 6 47 | 1 7 | 26 3 | 5 43 | 24 24 | 0 50 | 11 57 | 0 56 | 1 25 | 2 14 | 20 0 | 0 36 | 8 57 | 1 8 | 26 5 | 4 21 | 22 52 | 23 1 | 20 22 | 13 0 | 0 9 | T 15 |
| W16 | 10 38 | 20 43 | 1 58 | 7 30 | 1 1 | 26 5 | 5 42 | 24 27 | 0 53 | 12 2 | 0 56 | 1 23 | 2 14 | 20 0 | 0 36 | 8 57 | 1 8 | 26 5 | 4 21 | 22 51 | 23 0 | 20 23 | 12 59 | 0 9 | W16 |
| T 17 | 11 0 | 22 32 | 0 40 | 8 12 | 0 54 | 26 6 | 5 41 | 24 29 | 0 55 | 12 7 | 0 56 | 1 20 | 2 14 | 19 59 | 0 36 | 8 56 | 1 8 | 26 5 | 4 21 | 22 51 | 23 0 | 20 24 | 12 57 | 0 9 | T 17 |
| F 18 | 11 21 | 22 46 | 0n39 | 8 55 | 0 48 | 26 7 | 5 40 | 24 31 | 0 57 | 12 11 | 0 56 | 1 18 | 2 14 | 19 59 | 0 36 | 8 56 | 1 8 | 26 5 | 4 22 | 22 51 | 23 0 | 20 25 | 12 56 | 0 9 | F 18 |
| S 19 | 11 43 | 21 28 | 1 53 | 9 36 | 0 42 | 26 7 | 5 38 | 24 33 | 1 0 | 12 16 | 0 56 | 1 15 | 2 14 | 19 59 | 0 36 | 8 55 | 1 8 | 26 6 | 4 22 | 22 51 | 23 0 | 20 26 | 12 55 | 0 9 | S 19 |
| S 20 | 12 4 | 18 54 | 2 59 | 10 18 | 0 35 | 26 5 | 5 35 | 24 35 | 1 2 | 12 20 | 0 56 | 1 12 | 2 14 | 19 59 | 0 36 | 8 55 | 1 8 | 26 6 | 4 22 | 22 51 | 22 59 | 20 27 | 12 54 | 0 9 | S 20 |
| M21 | 12 25 | 15 22 | 3 53 | 10 59 | 0 28 | 26 3 | 5 32 | 24 38 | 1 4 | 12 25 | 0 56 | 1 10 | 2 14 | 19 59 | 0 36 | 8 54 | 1 8 | 26 6 | 4 22 | 22 51 | 22 59 | 20 28 | 12 53 | 0 10 | M21 |
| T 22 | 12 45 | 11 10 | 4 34 | 11 39 | 0 22 | 26 0 | 5 28 | 24 40 | 1 7 | 12 29 | 0 56 | 1 7 | 2 15 | 19 59 | 0 37 | 8 53 | 1 8 | 26 6 | 4 22 | 22 51 | 22 59 | 20 29 | 12 52 | 0 10 | T 22 |
| W23 | 13 6 | 6 33 | 4 59 | 12 19 | 0 15 | 25 55 | 5 24 | 24 42 | 1 9 | 12 34 | 0 56 | 1 5 | 2 15 | 19 58 | 0 37 | 8 53 | 1 8 | 26 6 | 4 23 | 22 51 | 22 58 | 20 30 | 12 51 | 0 10 | W23 |
| T 24 | 13 26 | 1 46 | 5 10 | 12 58 | 0 8 | 25 50 | 5 20 | 24 45 | 1 12 | 12 38 | 0 56 | 1 2 | 2 15 | 19 58 | 0 37 | 8 52 | 1 8 | 26 7 | 4 23 | 22 50 | 22 58 | 20 31 | 12 50 | 0 10 | T 24 |
| F 25 | 13 46 | 3n 1 | 5 5 | 13 36 | 0 2 | 25 44 | 5 14 | 24 47 | 1 14 | 12 43 | 0 56 | 1 0 | 2 15 | 19 58 | 0 37 | 8 52 | 1 8 | 26 7 | 4 23 | 22 50 | 22 58 | 20 32 | 12 49 | 0 10 | F 25 |
| S 26 | 14 6 | 7 37 | 4 47 | 14 14 | 0s 5 | 25 36 | 5 9 | 24 50 | 1 17 | 12 47 | 0 56 | 0 57 | 2 15 | 19 58 | 0 37 | 8 51 | 1 8 | 26 7 | 4 23 | 22 49 | 22 57 | 20 33 | 12 48 | 0 10 | S 26 |
| S 27 | 14 26 | 11 52 | 4 16 | 14 51 | 0 12 | 25 27 | 5 2 | 24 52 | 1 20 | 12 52 | 0 56 | 0 55 | 2 15 | 19 58 | 0 37 | 8 51 | 1 8 | 26 7 | 4 23 | 22 48 | 22 57 | 20 34 | 12 46 | 0 10 | S 27 |
| M28 | 14 45 | 15 37 | 3 34 | 15 27 | 0 18 | 25 17 | 4 55 | 24 55 | 1 22 | 12 56 | 0 56 | 0 53 | 2 15 | 19 58 | 0 37 | 8 50 | 1 8 | 26 7 | 4 24 | 22 47 | 22 57 | 20 35 | 12 45 | 0 10 | M28 |
| T 29 | 15 5 | 18 43 | 2 43 | 16 3 | 0 25 | 25 6 | 4 47 | 24 57 | 1 25 | 13 0 | 0 56 | 0 50 | 2 16 | 19 58 | 0 37 | 8 50 | 1 8 | 26 8 | 4 24 | 22 47 | 22 57 | 20 36 | 12 44 | 0 10 | T 29 |
| W30 | 15 24 | 21 1 | 1 45 | 16 38 | 0 31 | 24 54 | 4 39 | 25 0 | 1 27 | 13 5 | 0 56 | 0 48 | 2 16 | 19 58 | 0 37 | 8 50 | 1 8 | 26 8 | 4 24 | 22 46 | 22 56 | 20 37 | 12 43 | 0 10 | W30 |
| T 31 | 15s42 | 22n24 | 0n43 | 17s12 | 0s37 | 24s41 | 4s30 | 25n 3 | 1n30 | 13s 9 | 0n56 | 0n45 | 2n16 | 19n58 | 0n37 | 8n49 | 1n 8 | 26n 8 | 4n24 | 22s46 | 22s56 | 20n38 | 12n42 | 0s10 | T 31 |

Julian Day Number = 2068318.5, Delta T = 28m47s
Ecliptic obliquity = 23°34'29, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'04, Lahiri = 9°14'04 Julian Calendar 1 Oct. 950 == Greg. Calendar 6 Oct. 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## NOVEMBER 950 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 2 59 32 | 13♏36'15 | 19♊24 | 17♏10 | 29°R44 | 2°R52 | 7♏31 | 3♎24 | 3♌59 | 10♍17 | 21°R50 | 15°D24 | 16♐55 | 23♉ 0 | 3°R46 | F 1 |
| S 2 | 3 3 29 | 14°36'56 | 1♋17 | 18°44 | 29♏19 | 2♋51 | 7°45 | 3°31 | 4° 0 | 10°18 | 21♋50 | 15♐25 | 16°52 | 23° 6 | 3♉43 | S 2 |
| S 3 | 3 7 25 | 15°37'40 | 13°18 | 20°18 | 28°52 | 2°48 | 7°58 | 3°37 | 4° 0 | 10°19 | 21°49 | 15°27 | 16°49 | 23°13 | 3°40 | S 3 |
| M 4 | 3 11 22 | 16°38'25 | 25°30 | 21°52 | 28°23 | 2°45 | 8°11 | 3°43 | 4°R 0 | 10°20 | 21°49 | 15°29 | 16°46 | 23°20 | 3°37 | M 4 |
| T 5 | 3 15 19 | 17°39'11 | 7♌59 | 23°26 | 27°52 | 2°42 | 8°24 | 3°49 | 4° 0 | 10°22 | 21°48 | 15°30 | 16°42 | 23°26 | 3°35 | T 5 |
| W 6 | 3 19 15 | 18°39'59 | 20°48 | 24°59 | 27°20 | 2°37 | 8°38 | 3°55 | 4° 0 | 10°23 | 21°48 | 15°R30 | 16°39 | 23°33 | 3°32 | W 6 |
| T 7 | 3 23 12 | 19°40'49 | 4♍ 1 | 26°32 | 26°46 | 2°31 | 8°51 | 4° 0 | 4° 0 | 10°24 | 21°47 | 15°30 | 16°36 | 23°40 | 3°29 | T 7 |
| F 8 | 3 27 8 | 20°41'40 | 17°43 | 28° 6 | 26°12 | 2°25 | 9° 4 | 4° 6 | 3°59 | 10°25 | 21°47 | 15°28 | 16°33 | 23°46 | 3°26 | F 8 |
| S 9 | 3 31 5 | 21°42'32 | 1♎52 | 29°39 | 25°37 | 2°18 | 9°17 | 4°12 | 3°59 | 10°26 | 21°46 | 15°25 | 16°30 | 23°53 | 3°23 | S 9 |
| S 10 | 3 35 1 | 22°43'26 | 16°28 | 1♐12 | 25° 1 | 2°10 | 9°30 | 4°18 | 3°59 | 10°27 | 21°46 | 15°21 | 16°26 | 24° 0 | 3°20 | S 10 |
| M11 | 3 38 58 | 23°44'22 | 1♏25 | 2°45 | 24°25 | 2° 1 | 9°43 | 4°23 | 3°59 | 10°28 | 21°45 | 15°18 | 16°23 | 24° 6 | 3°17 | M11 |
| T 12 | 3 42 54 | 24°45'19 | 16°36 | 4°18 | 23°48 | 1°51 | 9°57 | 4°29 | 3°58 | 10°29 | 21°45 | 15°16 | 16°20 | 24°13 | 3°15 | T 12 |
| W13 | 3 46 51 | 25°46'17 | 1♐52 | 5°51 | 23°12 | 1°40 | 10°10 | 4°34 | 3°58 | 10°29 | 21°44 | 15°14 | 16°17 | 24°20 | 3°12 | W13 |
| T 14 | 3 50 48 | 26°47'16 | 17° 1 | 7°23 | 22°36 | 1°28 | 10°23 | 4°40 | 3°57 | 10°30 | 21°43 | 15°D14 | 16°14 | 24°26 | 3° 9 | T 14 |
| F 15 | 3 54 44 | 27°48'16 | 1♑55 | 8°56 | 22° 1 | 1°16 | 10°36 | 4°45 | 3°57 | 10°31 | 21°43 | 15°14 | 16°11 | 24°33 | 3° 6 | F 15 |
| S 16 | 3 58 41 | 28°49'17 | 16°27 | 10°29 | 21°27 | 1° 3 | 10°49 | 4°51 | 3°56 | 10°32 | 21°42 | 15°16 | 16° 7 | 24°40 | 3° 4 | S 16 |
| S 17 | 4 2 37 | 29°50'18 | 0♒34 | 12° 1 | 20°54 | 0°49 | 11° 2 | 4°56 | 3°55 | 10°33 | 21°41 | 15°17 | 16° 4 | 24°46 | 3° 1 | S 17 |
| M18 | 4 6 34 | 0♐51'20 | 14°14 | 13°33 | 20°22 | 0°34 | 11°15 | 5° 1 | 3°55 | 10°33 | 21°40 | 15°18 | 16° 1 | 24°53 | 2°58 | M18 |
| T 19 | 4 10 30 | 1°52'23 | 27°28 | 15° 5 | 19°51 | 0°18 | 11°28 | 5° 6 | 3°54 | 10°34 | 21°40 | 15°R19 | 15°58 | 25° 0 | 2°56 | T 19 |
| W20 | 4 14 27 | 2°53'26 | 10♓19 | 16°37 | 19°23 | 0° 2 | 11°40 | 5°11 | 3°53 | 10°35 | 21°39 | 15°18 | 15°55 | 25° 6 | 2°53 | W20 |
| T 21 | 4 18 24 | 3°54'30 | 22°50 | 18° 9 | 18°56 | 29♊45 | 11°53 | 5°16 | 3°52 | 10°35 | 21°38 | 15°18 | 15°52 | 25°13 | 2°51 | T 21 |
| F 22 | 4 22 20 | 4°55'34 | 5♈ 6 | 19°40 | 18°31 | 29°27 | 12° 6 | 5°21 | 3°51 | 10°36 | 21°37 | 15°17 | 15°48 | 25°20 | 2°48 | F 22 |
| S 23 | 4 26 17 | 5°56'39 | 17°10 | 21°11 | 18° 8 | 29° 9 | 12°19 | 5°26 | 3°50 | 10°36 | 21°36 | 15°15 | 15°45 | 25°26 | 2°46 | S 23 |
| S 24 | 4 30 13 | 6°57'44 | 29° 6 | 22°41 | 17°48 | 28°50 | 12°32 | 5°30 | 3°49 | 10°37 | 21°35 | 15°14 | 15°42 | 25°33 | 2°44 | S 24 |
| M25 | 4 34 10 | 7°58'50 | 10♉57 | 24°11 | 17°29 | 28°30 | 12°44 | 5°35 | 3°48 | 10°37 | 21°35 | 15°13 | 15°39 | 25°40 | 2°41 | M25 |
| T 26 | 4 38 6 | 8°59'56 | 22°45 | 25°39 | 17°14 | 28°10 | 12°57 | 5°40 | 3°47 | 10°38 | 21°34 | 15°12 | 15°36 | 25°46 | 2°39 | T 26 |
| W27 | 4 42 3 | 10° 1'03 | 4♊33 | 27° 7 | 17° 0 | 27°49 | 13° 9 | 5°44 | 3°46 | 10°38 | 21°33 | 15°12 | 15°32 | 25°53 | 2°37 | W27 |
| T 28 | 4 45 59 | 11° 2'11 | 16°24 | 28°34 | 16°50 | 27°28 | 13°22 | 5°48 | 3°45 | 10°38 | 21°32 | 15°D11 | 15°29 | 26° 0 | 2°34 | T 28 |
| F 29 | 4 49 56 | 12° 3'19 | 28°19 | 29°59 | 16°41 | 27° 6 | 13°35 | 5°53 | 3°43 | 10°39 | 21°31 | 15°12 | 15°26 | 26° 6 | 2°32 | F 29 |
| S 30 | 4 53 53 | 13♐ 4'27 | 10♋21 | 1♑24 | 16♏35 | 26♊44 | 13♏47 | 5♎57 | 3♌42 | 10♍39 | 21♋30 | 15♐12 | 15♐23 | 26♉13 | 2♉30 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s 1 | 22n47 | 0s22 | 17s45 | 0s44 | 24s26 | 4s20 | 25n 5 | 1n33 | 13s13 | 0n55 | 0n43 | 2n16 | 19n58 | 0n37 | 8n49 | 1n 9 | 26n 8 | 4n24 | 22s46 | 22s56 | 20n39 | 12n41 | 0s10 |
| S 2 | 16 19 | 22 8 | 1 26 | 18 18 | 0 50 | 24 11 | 4 10 | 25 8 | 1 36 | 13 18 | 0 55 | 0 41 | 2 16 | 19 58 | 0 37 | 8 48 | 1 9 | 26 9 | 4 24 | 22 46 | 22 55 | 20 40 | 12 40 | 0 11 |
| S 3 | 16 37 | 20 28 | 2 27 | 18 49 | 0 56 | 23 54 | 3 59 | 25 11 | 1 38 | 13 22 | 0 55 | 0 39 | 2 16 | 19 58 | 0 37 | 8 48 | 1 9 | 26 9 | 4 25 | 22 46 | 22 55 | 20 41 | 12 39 | 0 11 |
| M 4 | 16 54 | 17 50 | 3 23 | 19 20 | 1 2 | 23 36 | 3 47 | 25 14 | 1 41 | 13 26 | 0 55 | 0 36 | 2 17 | 19 58 | 0 37 | 8 47 | 1 9 | 26 9 | 4 25 | 22 47 | 22 55 | 20 42 | 12 38 | 0 11 |
| T 5 | 17 12 | 14 21 | 4 10 | 19 50 | 1 8 | 23 17 | 3 35 | 25 17 | 1 44 | 13 31 | 0 55 | 0 34 | 2 17 | 19 58 | 0 37 | 8 47 | 1 9 | 26 9 | 4 25 | 22 47 | 22 54 | 20 43 | 12 37 | 0 11 |
| W 6 | 17 29 | 10 7 | 4 46 | 20 19 | 1 14 | 22 58 | 3 23 | 25 20 | 1 47 | 13 35 | 0 55 | 0 32 | 2 17 | 19 58 | 0 37 | 8 47 | 1 9 | 26 10 | 4 25 | 22 47 | 22 54 | 20 43 | 12 35 | 0 11 |
| T 7 | 17 45 | 5 18 | 5 9 | 20 46 | 1 19 | 22 37 | 3 9 | 25 23 | 1 50 | 13 39 | 0 55 | 0 30 | 2 17 | 19 58 | 0 37 | 8 46 | 1 9 | 26 10 | 4 25 | 22 47 | 22 54 | 20 44 | 12 34 | 0 11 |
| F 8 | 18 2 | 0 3 | 5 15 | 21 13 | 1 25 | 22 15 | 2 56 | 25 26 | 1 52 | 13 44 | 0 55 | 0 27 | 2 17 | 19 58 | 0 37 | 8 46 | 1 9 | 26 10 | 4 26 | 22 47 | 22 53 | 20 45 | 12 33 | 0 11 |
| S 9 | 18 18 | 5s22 | 5 2 | 21 39 | 1 30 | 21 53 | 2 41 | 25 29 | 1 55 | 13 48 | 0 55 | 0 25 | 2 18 | 19 58 | 0 37 | 8 46 | 1 9 | 26 10 | 4 26 | 22 46 | 22 53 | 20 46 | 12 32 | 0 11 |
| S 10 | 18 33 | 10 39 | 4 30 | 22 4 | 1 35 | 21 30 | 2 27 | 25 32 | 1 58 | 13 52 | 0 55 | 0 23 | 2 18 | 19 58 | 0 37 | 8 45 | 1 9 | 26 11 | 4 26 | 22 46 | 22 53 | 20 47 | 12 31 | 0 11 |
| M11 | 18 49 | 15 27 | 3 39 | 22 27 | 1 40 | 21 7 | 2 12 | 25 35 | 2 1 | 13 56 | 0 55 | 0 21 | 2 18 | 19 58 | 0 37 | 8 45 | 1 9 | 26 11 | 4 26 | 22 46 | 22 52 | 20 48 | 12 30 | 0 11 |
| T 12 | 19 4 | 19 19 | 2 32 | 22 50 | 1 44 | 20 43 | 1 57 | 25 38 | 2 4 | 14 0 | 0 55 | 0 19 | 2 18 | 19 59 | 0 37 | 8 45 | 1 9 | 26 11 | 4 26 | 22 45 | 22 52 | 20 49 | 12 29 | 0 11 |
| W13 | 19 19 | 21 51 | 1 13 | 23 11 | 1 49 | 20 19 | 1 41 | 25 41 | 2 7 | 14 5 | 0 55 | 0 17 | 2 18 | 19 59 | 0 37 | 8 44 | 1 9 | 26 11 | 4 26 | 22 45 | 22 52 | 20 50 | 12 28 | 0 11 |
| T 14 | 19 33 | 22 46 | 0n10 | 23 31 | 1 53 | 19 54 | 1 26 | 25 44 | 2 10 | 14 9 | 0 55 | 0 15 | 2 18 | 19 59 | 0 37 | 8 44 | 1 9 | 26 12 | 4 27 | 22 45 | 22 51 | 20 51 | 12 27 | 0 12 |
| F 15 | 19 47 | 22 3 | 1 31 | 23 50 | 1 57 | 19 30 | 1 10 | 25 47 | 2 13 | 14 13 | 0 55 | 0 13 | 2 19 | 19 59 | 0 37 | 8 44 | 1 9 | 26 12 | 4 27 | 22 45 | 22 51 | 20 51 | 12 26 | 0 12 |
| S 16 | 20 1 | 19 50 | 2 45 | 24 7 | 2 0 | 19 6 | 0 55 | 25 50 | 2 15 | 14 17 | 0 55 | 0 11 | 2 19 | 19 59 | 0 38 | 8 44 | 1 9 | 26 12 | 4 27 | 22 45 | 22 51 | 20 52 | 12 25 | 0 12 |
| S 17 | 20 14 | 16 28 | 3 46 | 24 24 | 2 3 | 18 42 | 0 39 | 25 53 | 2 18 | 14 21 | 0 55 | 0 9 | 2 19 | 19 59 | 0 38 | 8 43 | 1 9 | 26 13 | 4 27 | 22 45 | 22 50 | 20 53 | 12 24 | 0 12 |
| M18 | 20 27 | 12 19 | 4 32 | 24 39 | 2 6 | 18 19 | 0 23 | 25 55 | 2 21 | 14 25 | 0 55 | 0 8 | 2 19 | 20 0 | 0 38 | 8 43 | 1 9 | 26 13 | 4 27 | 22 46 | 22 50 | 20 54 | 12 23 | 0 12 |
| T 19 | 20 39 | 7 42 | 5 2 | 24 52 | 2 9 | 17 56 | 0 8 | 25 58 | 2 24 | 14 29 | 0 55 | 0 6 | 2 20 | 20 0 | 0 38 | 8 43 | 1 9 | 26 13 | 4 27 | 22 46 | 22 50 | 20 55 | 12 22 | 0 12 |
| W20 | 20 51 | 2 52 | 5 16 | 25 4 | 2 11 | 17 34 | 0n 7 | 26 1 | 2 27 | 14 33 | 0 55 | 0 4 | 2 20 | 20 0 | 0 38 | 8 43 | 1 9 | 26 13 | 4 28 | 22 46 | 22 49 | 20 56 | 12 21 | 0 12 |
| T 21 | 21 3 | 1n57 | 5 14 | 25 15 | 2 13 | 17 12 | 0 22 | 26 4 | 2 29 | 14 37 | 0 55 | 0 2 | 2 20 | 20 0 | 0 38 | 8 43 | 1 9 | 26 14 | 4 28 | 22 45 | 22 49 | 20 56 | 12 20 | 0 12 |
| F 22 | 21 14 | 6 36 | 4 59 | 25 24 | 2 15 | 16 51 | 0 36 | 26 7 | 2 32 | 14 41 | 0 55 | 0 0 | 2 20 | 20 1 | 0 38 | 8 42 | 1 9 | 26 14 | 4 28 | 22 45 | 22 49 | 20 57 | 12 19 | 0 12 |
| S 23 | 21 25 | 10 55 | 4 30 | 25 32 | 2 16 | 16 31 | 0 50 | 26 9 | 2 35 | 14 45 | 0 55 | 0s 1 | 2 20 | 20 1 | 0 38 | 8 42 | 1 10 | 26 14 | 4 28 | 22 45 | 22 48 | 20 58 | 12 19 | 0 12 |
| S 24 | 21 36 | 14 47 | 3 49 | 25 38 | 2 16 | 16 12 | 1 4 | 26 12 | 2 38 | 14 49 | 0 55 | 0 3 | 2 21 | 20 1 | 0 38 | 8 42 | 1 10 | 26 15 | 4 28 | 22 45 | 22 48 | 20 59 | 12 18 | 0 12 |
| M25 | 21 46 | 18 2 | 2 59 | 25 43 | 2 16 | 15 55 | 1 17 | 26 14 | 2 40 | 14 52 | 0 55 | 0 5 | 2 21 | 20 1 | 0 38 | 8 42 | 1 10 | 26 15 | 4 28 | 22 45 | 22 48 | 21 0 | 12 17 | 0 12 |
| T 26 | 21 55 | 20 31 | 2 2 | 25 46 | 2 16 | 15 38 | 1 30 | 26 16 | 2 43 | 14 56 | 0 55 | 0 6 | 2 21 | 20 2 | 0 38 | 8 42 | 1 10 | 26 15 | 4 29 | 22 45 | 22 47 | 21 0 | 12 16 | 0 12 |
| W27 | 22 5 | 22 8 | 0 59 | 25 48 | 2 15 | 15 22 | 1 43 | 26 19 | 2 45 | 15 0 | 0 55 | 0 8 | 2 21 | 20 2 | 0 38 | 8 42 | 1 10 | 26 16 | 4 29 | 22 45 | 22 47 | 21 1 | 12 15 | 0 13 |
| T 28 | 22 13 | 22 46 | 0s 7 | 25 47 | 2 13 | 15 8 | 1 55 | 26 21 | 2 48 | 15 4 | 0 55 | 0 9 | 2 22 | 20 2 | 0 38 | 8 42 | 1 10 | 26 16 | 4 29 | 22 45 | 22 47 | 21 2 | 12 14 | 0 13 |
| F 29 | 22 22 | 22 21 | 1 12 | 25 46 | 2 11 | 14 54 | 2 6 | 26 23 | 2 50 | 15 8 | 0 55 | 0 11 | 2 22 | 20 3 | 0 38 | 8 42 | 1 10 | 26 16 | 4 29 | 22 45 | 22 46 | 21 3 | 12 13 | 0 13 |
| S 30 | 22s30 | 20n55 | 2s15 | 25s42 | 2s 8 | 14s42 | 2n17 | 26n25 | 2n53 | 15s11 | 0n55 | 0s12 | 2n22 | 20n 3 | 0n38 | 8n42 | 1n10 | 26n16 | 4n29 | 22s45 | 22s46 | 21n 4 | 12n13 | 0s13 |

Julian Day Number = 2068349.5, Delta T = 28m47s
Ecliptic obliquity = 23°34'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'08, Lahiri = 9°14'08 Julian Calendar 1 Nov. 950 == Greg. Calendar 6 Nov. 950


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# ASTRODIENST EPHEMERIS for the year 950
# geocentric

## DECEMBER 950 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 57 49 | 14♐ 5'37 | 22♋30 | 2♉46 | 16°R32 | 26°R22 | 13♏59 | 6♎ 1 | 3°R41 | 10♍39 | 21°R29 | 15♐12 | 15♐20 | 26♉19 | 2°R28 | S 1 |
| M 2 | 5 1 46 | 15° 6'46 | 4♌51 | 4° 6 | 16°D31 | 25♊59 | 14°12 | 6° 5 | 3♌39 | 10°39 | 21♋28 | 15°R12 | 15°17 | 26°26 | 2♉26 | M 2 |
| T 3 | 5 5 42 | 16° 7'57 | 17°26 | 5°23 | 16♏33 | 25°36 | 14°24 | 6° 9 | 3°38 | 10°40 | 21°27 | 15°12 | 15°13 | 26°33 | 2°24 | T 3 |
| W 4 | 5 9 39 | 17° 9'07 | 0♍17 | 6°37 | 16°37 | 25°12 | 14°36 | 6°13 | 3°36 | 10°40 | 21°25 | 15°12 | 15°10 | 26°39 | 2°22 | W 4 |
| T 5 | 5 13 35 | 18°10'19 | 13°27 | 7°48 | 16°43 | 24°49 | 14°49 | 6°17 | 3°35 | 10°40 | 21°24 | 15°D12 | 15° 7 | 26°46 | 2°20 | T 5 |
| F 6 | 5 17 32 | 19°11'31 | 26°58 | 8°54 | 16°52 | 24°25 | 15° 1 | 6°21 | 3°33 | 10°40 | 21°23 | 15°12 | 15° 4 | 26°53 | 2°18 | F 6 |
| S 7 | 5 21 28 | 20°12'43 | 10♎53 | 9°56 | 17° 3 | 24° 1 | 15°13 | 6°24 | 3°31 | 10°40 | 21°22 | 15°12 | 15° 1 | 26°59 | 2°16 | S 7 |
| S 8 | 5 25 25 | 21°13'56 | 25°10 | 10°52 | 17°16 | 23°37 | 15°25 | 6°28 | 3°30 | 10°R40 | 21°21 | 15°13 | 14°58 | 27° 6 | 2°15 | S 8 |
| M 9 | 5 29 22 | 22°15'10 | 9♏49 | 11°42 | 17°32 | 23°13 | 15°37 | 6°31 | 3°28 | 10°40 | 21°20 | 15°13 | 14°54 | 27°13 | 2°13 | M 9 |
| T 10 | 5 33 18 | 23°16'23 | 24°43 | 12°24 | 17°49 | 22°49 | 15°49 | 6°35 | 3°26 | 10°40 | 21°19 | 15°14 | 14°51 | 27°19 | 2°11 | T 10 |
| W11 | 5 37 15 | 24°17'38 | 9♐47 | 12°59 | 18° 8 | 22°25 | 16° 1 | 6°38 | 3°24 | 10°40 | 21°18 | 15°R14 | 14°48 | 27°26 | 2°10 | W11 |
| T 12 | 5 41 11 | 25°18'52 | 24°51 | 13°24 | 18°30 | 22° 1 | 16°12 | 6°41 | 3°22 | 10°40 | 21°16 | 15°14 | 14°45 | 27°33 | 2° 8 | T 12 |
| F 13 | 5 45 8 | 26°20'06 | 9♑47 | 13°40 | 18°53 | 21°38 | 16°24 | 6°44 | 3°21 | 10°40 | 21°15 | 15°13 | 14°42 | 27°39 | 2° 7 | F 13 |
| S 14 | 5 49 4 | 27°21'20 | 24°27 | 13°R45 | 19°18 | 21°15 | 16°36 | 6°47 | 3°19 | 10°39 | 21°14 | 15°12 | 14°38 | 27°46 | 2° 5 | S 14 |
| S 15 | 5 53 1 | 28°22'34 | 8♒45 | 13°38 | 19°45 | 20°52 | 16°47 | 6°50 | 3°17 | 10°39 | 21°13 | 15°10 | 14°35 | 27°53 | 2° 4 | S 15 |
| M16 | 5 56 57 | 29°23'47 | 22°36 | 13°20 | 20°13 | 20°29 | 16°59 | 6°53 | 3°15 | 10°39 | 21°11 | 15° 9 | 14°32 | 27°59 | 2° 3 | M16 |
| T 17 | 6 0 54 | 0♑25'00 | 6♓ 0 | 12°49 | 20°43 | 20° 7 | 17°10 | 6°55 | 3°13 | 10°39 | 21°10 | 15° 7 | 14°29 | 28° 6 | 2° 1 | T 17 |
| W18 | 6 4 51 | 1°26'13 | 18°57 | 12° 8 | 21°15 | 19°45 | 17°21 | 6°58 | 3°11 | 10°38 | 21° 9 | 15° 6 | 14°26 | 28°13 | 2° 0 | W18 |
| T 19 | 6 8 47 | 2°27'25 | 1♈32 | 11°15 | 21°48 | 19°24 | 17°33 | 7° 0 | 3° 8 | 10°38 | 21° 8 | 15°D 5 | 14°23 | 28°19 | 1°59 | T 19 |
| F 20 | 6 12 44 | 3°28'36 | 13°48 | 10°13 | 22°23 | 19° 3 | 17°44 | 7° 3 | 3° 6 | 10°38 | 21° 6 | 15° 6 | 14°19 | 28°26 | 1°58 | F 20 |
| S 21 | 6 16 40 | 4°29'47 | 25°50 | 9° 3 | 22°59 | 18°42 | 17°55 | 7° 5 | 3° 4 | 10°37 | 21° 5 | 15° 7 | 14°16 | 28°33 | 1°57 | S 21 |
| S 22 | 6 20 37 | 5°30'57 | 7♉43 | 7°48 | 23°36 | 18°23 | 18° 6 | 7° 7 | 3° 2 | 10°37 | 21° 4 | 15° 8 | 14°13 | 28°39 | 1°56 | S 22 |
| M23 | 6 24 33 | 6°32'06 | 19°30 | 6°29 | 24°14 | 18° 4 | 18°17 | 7° 9 | 3° 0 | 10°36 | 21° 2 | 15°10 | 14°10 | 28°46 | 1°55 | M23 |
| T 24 | 6 28 30 | 7°33'15 | 1♊18 | 5°10 | 24°54 | 17°45 | 18°28 | 7°11 | 2°57 | 10°36 | 21° 1 | 15°11 | 14° 7 | 28°52 | 1°54 | T 24 |
| W25 | 6 32 26 | 8°34'24 | 13° 8 | 3°52 | 25°35 | 17°27 | 18°39 | 7°13 | 2°55 | 10°35 | 21° 0 | 15°R12 | 14° 4 | 28°59 | 1°53 | W25 |
| T 26 | 6 36 23 | 9°35'31 | 25° 4 | 2°38 | 26°17 | 17°10 | 18°49 | 7°15 | 2°53 | 10°34 | 20°58 | 15°12 | 14° 0 | 29° 6 | 1°53 | T 26 |
| F 27 | 6 40 20 | 10°36'38 | 7♋ 9 | 1°31 | 27° 1 | 16°54 | 19° 0 | 7°17 | 2°50 | 10°34 | 20°57 | 15°10 | 13°57 | 29°12 | 1°52 | F 27 |
| S 28 | 6 44 16 | 11°37'45 | 19°23 | 0°30 | 27°45 | 16°38 | 19°10 | 7°18 | 2°48 | 10°33 | 20°56 | 15° 7 | 13°54 | 29°19 | 1°51 | S 28 |
| S 29 | 6 48 13 | 12°38'51 | 1♌49 | 29♐39 | 28°30 | 16°23 | 19°21 | 7°20 | 2°46 | 10°33 | 20°54 | 15° 3 | 13°51 | 29°26 | 1°51 | S 29 |
| M30 | 6 52 9 | 13°39'56 | 14°27 | 28°56 | 29°16 | 16° 8 | 19°31 | 7°21 | 2°43 | 10°32 | 20°53 | 14°58 | 13°48 | 29°32 | 1°50 | M30 |
| T 31 | 6 56 6 | 14♑41'01 | 27♌18 | 28♐23 | 0♐ 4 | 15♊55 | 19♏41 | 7♎22 | 2♌41 | 10♍31 | 20♋52 | 14♐53 | 13♐44 | 29♉39 | 1♉50 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s37 | 18n30 | 3s13 | 25s37 | 2s 5 | 14s31 | 2n27 | 26n26 | 2n55 | 15s15 | 0n55 | 0s14 | 2n22 | 20n 3 | 0n38 | 8n41 | 1n10 | 26n17 | 4n29 | 22s45 | 22s46 | 21n 4 | 12n12 | 0s13 |
| M 2 | 22 44 | 15 14 | 4 3 | 25 31 | 2 0 | 14 22 | 2 37 | 26 28 | 2 57 | 15 19 | 0 55 | 0 15 | 2 23 | 20 4 | 0 38 | 8 41 | 1 10 | 26 17 | 4 29 | 22 45 | 22 45 | 21 5 | 12 11 | 0 13 |
| T 3 | 22 51 | 11 13 | 4 42 | 25 23 | 1 55 | 14 13 | 2 46 | 26 29 | 2 59 | 15 22 | 0 55 | 0 16 | 2 23 | 20 4 | 0 38 | 8 41 | 1 10 | 26 17 | 4 30 | 22 45 | 22 45 | 21 6 | 12 10 | 0 13 |
| W 4 | 22 57 | 6 38 | 5 7 | 25 13 | 1 49 | 14 6 | 2 55 | 26 30 | 3 1 | 15 26 | 0 55 | 0 18 | 2 23 | 20 5 | 0 38 | 8 41 | 1 10 | 26 18 | 4 30 | 22 45 | 22 45 | 21 7 | 12 9 | 0 13 |
| T 5 | 23 3 | 1 39 | 5 18 | 25 2 | 1 41 | 14 0 | 3 4 | 26 32 | 3 3 | 15 30 | 0 55 | 0 19 | 2 23 | 20 5 | 0 38 | 8 41 | 1 10 | 26 18 | 4 30 | 22 45 | 22 44 | 21 7 | 12 9 | 0 13 |
| F 6 | 23 8 | 3s33 | 5 11 | 24 49 | 1 33 | 13 54 | 3 12 | 26 32 | 3 5 | 15 33 | 0 55 | 0 20 | 2 24 | 20 5 | 0 38 | 8 41 | 1 10 | 26 18 | 4 30 | 22 45 | 22 44 | 21 8 | 12 8 | 0 13 |
| S 7 | 23 13 | 8 43 | 4 47 | 24 36 | 1 24 | 13 50 | 3 19 | 26 33 | 3 7 | 15 37 | 0 55 | 0 21 | 2 24 | 20 6 | 0 38 | 8 41 | 1 10 | 26 19 | 4 30 | 22 45 | 22 44 | 21 9 | 12 7 | 0 13 |
| S 8 | 23 17 | 13 34 | 4 4 | 24 21 | 1 14 | 13 47 | 3 26 | 26 34 | 3 9 | 15 40 | 0 55 | 0 23 | 2 24 | 20 6 | 0 38 | 8 41 | 1 10 | 26 19 | 4 30 | 22 45 | 22 43 | 21 10 | 12 7 | 0 13 |
| M 9 | 23 21 | 17 45 | 3 5 | 24 5 | 1 2 | 13 45 | 3 33 | 26 34 | 3 11 | 15 44 | 0 55 | 0 24 | 2 24 | 20 7 | 0 38 | 8 42 | 1 10 | 26 19 | 4 30 | 22 45 | 22 43 | 21 10 | 12 6 | 0 13 |
| T 10 | 23 24 | 20 52 | 1 52 | 23 49 | 0 49 | 13 44 | 3 39 | 26 35 | 3 12 | 15 47 | 0 55 | 0 25 | 2 25 | 20 7 | 0 38 | 8 42 | 1 10 | 26 20 | 4 31 | 22 45 | 22 43 | 21 11 | 12 5 | 0 14 |
| W11 | 23 27 | 22 32 | 0 30 | 23 31 | 0 35 | 13 44 | 3 44 | 26 35 | 3 14 | 15 50 | 0 55 | 0 26 | 2 25 | 20 8 | 0 38 | 8 42 | 1 10 | 26 20 | 4 31 | 22 45 | 22 42 | 21 12 | 12 5 | 0 14 |
| T 12 | 23 29 | 22 35 | 0n53 | 23 14 | 0 20 | 13 45 | 3 49 | 26 35 | 3 15 | 15 54 | 0 55 | 0 27 | 2 25 | 20 8 | 0 38 | 8 42 | 1 10 | 26 20 | 4 31 | 22 45 | 22 42 | 21 12 | 12 4 | 0 14 |
| F 13 | 23 31 | 21 1 | 2 12 | 22 56 | 0 4 | 13 47 | 3 54 | 26 35 | 3 17 | 15 57 | 0 55 | 0 28 | 2 25 | 20 8 | 0 38 | 8 42 | 1 11 | 26 21 | 4 31 | 22 45 | 22 41 | 21 13 | 12 4 | 0 14 |
| S 14 | 23 33 | 18 3 | 3 21 | 22 38 | 0n13 | 13 49 | 3 59 | 26 34 | 3 18 | 16 0 | 0 55 | 0 29 | 2 26 | 20 9 | 0 38 | 8 42 | 1 11 | 26 21 | 4 31 | 22 45 | 22 41 | 21 14 | 12 3 | 0 14 |
| S 15 | 23 34 | 14 4 | 4 15 | 22 21 | 0 32 | 13 53 | 4 3 | 26 34 | 3 19 | 16 4 | 0 55 | 0 30 | 2 26 | 20 9 | 0 39 | 8 42 | 1 11 | 26 21 | 4 31 | 22 45 | 22 41 | 21 15 | 12 2 | 0 14 |
| M16 | 23 34 | 9 27 | 4 53 | 22 4 | 0 51 | 13 57 | 4 6 | 26 33 | 3 20 | 16 7 | 0 55 | 0 31 | 2 26 | 20 10 | 0 39 | 8 42 | 1 11 | 26 22 | 4 31 | 22 44 | 22 40 | 21 15 | 12 2 | 0 14 |
| T 17 | 23 34 | 4 31 | 5 13 | 21 47 | 1 10 | 14 1 | 4 10 | 26 33 | 3 21 | 16 10 | 0 55 | 0 31 | 2 26 | 20 10 | 0 39 | 8 42 | 1 11 | 26 22 | 4 31 | 22 44 | 22 40 | 21 16 | 12 1 | 0 14 |
| W18 | 23 34 | 0n27 | 5 16 | 21 32 | 1 29 | 14 7 | 4 12 | 26 32 | 3 22 | 16 13 | 0 56 | 0 32 | 2 27 | 20 11 | 0 39 | 8 43 | 1 11 | 26 22 | 4 32 | 22 44 | 22 40 | 21 17 | 12 1 | 0 14 |
| T 19 | 23 33 | 5 15 | 5 4 | 21 17 | 1 49 | 14 13 | 4 15 | 26 31 | 3 23 | 16 16 | 0 56 | 0 33 | 2 27 | 20 12 | 0 39 | 8 43 | 1 11 | 26 22 | 4 32 | 22 44 | 22 39 | 21 17 | 12 1 | 0 14 |
| F 20 | 23 32 | 9 44 | 4 38 | 21 4 | 2 7 | 14 19 | 4 17 | 26 30 | 3 23 | 16 20 | 0 56 | 0 34 | 2 27 | 20 12 | 0 39 | 8 43 | 1 11 | 26 23 | 4 32 | 22 44 | 22 39 | 21 18 | 12 0 | 0 14 |
| S 21 | 23 30 | 13 46 | 4 0 | 20 52 | 2 24 | 14 26 | 4 19 | 26 29 | 3 24 | 16 23 | 0 56 | 0 34 | 2 28 | 20 13 | 0 39 | 8 43 | 1 11 | 26 23 | 4 32 | 22 44 | 22 38 | 21 19 | 12 0 | 0 14 |
| S 22 | 23 28 | 17 12 | 3 13 | 20 41 | 2 40 | 14 34 | 4 21 | 26 28 | 3 25 | 16 26 | 0 56 | 0 35 | 2 28 | 20 13 | 0 39 | 8 43 | 1 11 | 26 23 | 4 32 | 22 44 | 22 38 | 21 19 | 11 59 | 0 14 |
| M23 | 23 25 | 19 54 | 2 17 | 20 31 | 2 54 | 14 42 | 4 22 | 26 26 | 3 25 | 16 29 | 0 56 | 0 35 | 2 28 | 20 14 | 0 39 | 8 44 | 1 11 | 26 24 | 4 32 | 22 45 | 22 38 | 21 20 | 11 59 | 0 14 |
| T 24 | 23 21 | 21 47 | 1 16 | 20 23 | 3 5 | 14 50 | 4 23 | 26 25 | 3 25 | 16 32 | 0 56 | 0 36 | 2 28 | 20 14 | 0 39 | 8 44 | 1 11 | 26 24 | 4 32 | 22 45 | 22 37 | 21 21 | 11 59 | 0 14 |
| W25 | 23 18 | 22 42 | 0 11 | 20 17 | 3 14 | 14 59 | 4 24 | 26 23 | 3 26 | 16 34 | 0 56 | 0 36 | 2 29 | 20 15 | 0 39 | 8 44 | 1 11 | 26 24 | 4 32 | 22 45 | 22 37 | 21 21 | 11 58 | 0 15 |
| T 26 | 23 14 | 22 35 | 0s54 | 20 12 | 3 21 | 15 8 | 4 25 | 26 22 | 3 26 | 16 37 | 0 56 | 0 37 | 2 29 | 20 15 | 0 39 | 8 44 | 1 11 | 26 25 | 4 32 | 22 45 | 22 37 | 21 22 | 11 58 | 0 15 |
| F 27 | 23 9 | 21 25 | 1 58 | 20 9 | 3 25 | 15 18 | 4 25 | 26 20 | 3 26 | 16 40 | 0 56 | 0 37 | 2 29 | 20 16 | 0 39 | 8 45 | 1 11 | 26 25 | 4 32 | 22 45 | 22 36 | 21 22 | 11 58 | 0 15 |
| S 28 | 23 4 | 19 14 | 2 57 | 20 8 | 3 27 | 15 28 | 4 25 | 26 19 | 3 26 | 16 43 | 0 56 | 0 38 | 2 29 | 20 16 | 0 39 | 8 45 | 1 11 | 26 25 | 4 33 | 22 44 | 22 36 | 21 23 | 11 57 | 0 15 |
| S 29 | 22 58 | 16 9 | 3 49 | 20 8 | 3 26 | 15 38 | 4 25 | 26 17 | 3 26 | 16 46 | 0 56 | 0 38 | 2 30 | 20 17 | 0 39 | 8 45 | 1 11 | 26 26 | 4 33 | 22 44 | 22 35 | 21 24 | 11 57 | 0 15 |
| M30 | 22 52 | 12 17 | 4 30 | 20 10 | 3 24 | 15 48 | 4 25 | 26 16 | 3 26 | 16 49 | 0 56 | 0 38 | 2 30 | 20 18 | 0 39 | 8 46 | 1 11 | 26 26 | 4 33 | 22 43 | 22 35 | 21 24 | 11 57 | 0 15 |
| T 31 | 22s46 | 7n48 | 4s58 | 20s14 | 3n20 | 15s58 | 4n24 | 26n14 | 3n26 | 16s51 | 0n56 | 0s38 | 2n30 | 20n18 | 0n39 | 8n46 | 1n11 | 26n26 | 4n33 | 22s43 | 22s35 | 21n25 | 11n57 | 0s15 |

Julian Day Number = 2068379.5, Delta T = 28m46s
Ecliptic obliquity = 23°34'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'12, Lahiri = 9°14'12 Julian Calendar 1 Dec. 950 == Greg. Calendar 6 Dec. 950


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## JANUARY 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 0 2 | 15♉42'05 | 10♍22 | 27°R58 | 0♐52 | 15°R42 | 19♏51 | 7♎23 | 2°R38 | 10°R30 | 20°R50 | 14°R48 | 13♐41 | 29♉46 | 1°R50 | W 1 |
| T 2 | 7 3 59 | 16°43'08 | 23°40 | 27♐44 | 1°41 | 15♊30 | 20° 1 | 7°25 | 2♌36 | 10♍30 | 20♋49 | 14♐45 | 13°38 | 29°52 | 1♉49 | T 2 |
| F 3 | 7 7 55 | 17°44'11 | 7♎12 | 27°D37 | 2°30 | 15°19 | 20°11 | 7°25 | 2°33 | 10°29 | 20°48 | 14°43 | 13°35 | 29°59 | 1°49 | F 3 |
| S 4 | 7 11 52 | 18°45'13 | 20°59 | 27°39 | 3°21 | 15° 9 | 20°21 | 7°26 | 2°31 | 10°28 | 20°46 | 14°D42 | 13°32 | 0♊ 6 | 1°49 | S 4 |
| S 5 | 7 15 49 | 19°46'15 | 5♏ 1 | 27°49 | 4°12 | 14°59 | 20°31 | 7°27 | 2°28 | 10°27 | 20°45 | 14°43 | 13°29 | 0°12 | 1°49 | S 5 |
| M 6 | 7 19 45 | 20°47'17 | 19°18 | 28° 5 | 5° 4 | 14°50 | 20°40 | 7°28 | 2°26 | 10°26 | 20°44 | 14°44 | 13°25 | 0°19 | 1°D49 | M 6 |
| T 7 | 7 23 42 | 21°48'17 | 3♐48 | 28°28 | 5°57 | 14°42 | 20°50 | 7°28 | 2°23 | 10°25 | 20°42 | 14°46 | 13°22 | 0°26 | 1°49 | T 7 |
| W 8 | 7 27 38 | 22°49'17 | 18°26 | 28°58 | 6°51 | 14°35 | 20°59 | 7°29 | 2°21 | 10°24 | 20°41 | 14°R46 | 13°19 | 0°32 | 1°49 | W 8 |
| T 9 | 7 31 35 | 23°50'17 | 3♑ 9 | 29°32 | 7°45 | 14°29 | 21° 8 | 7°29 | 2°18 | 10°23 | 20°39 | 14°45 | 13°16 | 0°39 | 1°49 | T 9 |
| F 10 | 7 35 31 | 24°51'15 | 17°49 | 0♑11 | 8°39 | 14°23 | 21°17 | 7°29 | 2°15 | 10°22 | 20°38 | 14°41 | 13°13 | 0°46 | 1°49 | F 10 |
| S 11 | 7 39 28 | 25°52'12 | 2♒19 | 0°55 | 9°35 | 14°18 | 21°26 | 7°R29 | 2°13 | 10°21 | 20°37 | 14°36 | 13°10 | 0°52 | 1°50 | S 11 |
| S 12 | 7 43 25 | 26°53'08 | 16°33 | 1°43 | 10°31 | 14°14 | 21°35 | 7°29 | 2°10 | 10°20 | 20°35 | 14°29 | 13° 6 | 0°59 | 1°50 | S 12 |
| M13 | 7 47 21 | 27°54'02 | 0♓25 | 2°35 | 11°27 | 14°11 | 21°44 | 7°29 | 2° 8 | 10°19 | 20°34 | 14°22 | 13° 3 | 1° 6 | 1°50 | M13 |
| T 14 | 7 51 18 | 28°54'56 | 13°53 | 3°30 | 12°24 | 14° 9 | 21°53 | 7°29 | 2° 5 | 10°18 | 20°33 | 14°14 | 13° 0 | 1°12 | 1°51 | T 14 |
| W15 | 7 55 14 | 29°55'47 | 26°56 | 4°28 | 13°21 | 14° 7 | 22° 1 | 7°28 | 2° 2 | 10°17 | 20°31 | 14° 8 | 12°57 | 1°19 | 1°51 | W15 |
| T 16 | 7 59 11 | 0♒56'38 | 9♈36 | 5°29 | 14°19 | 14° 7 | 22°10 | 7°28 | 2° 0 | 10°15 | 20°30 | 14° 4 | 12°54 | 1°25 | 1°52 | T 16 |
| F 17 | 8 3 7 | 1°57'26 | 21°55 | 6°32 | 15°18 | 14°D 7 | 22°18 | 7°27 | 1°57 | 10°14 | 20°29 | 14° 1 | 12°50 | 1°32 | 1°53 | F 17 |
| S 18 | 8 7 4 | 2°58'14 | 3♉58 | 7°38 | 16°17 | 14° 7 | 22°26 | 7°27 | 1°55 | 10°13 | 20°27 | 14°D 1 | 12°47 | 1°39 | 1°53 | S 18 |
| S 19 | 8 11 0 | 3°58'59 | 15°51 | 8°46 | 17°16 | 14° 9 | 22°34 | 7°26 | 1°52 | 10°12 | 20°26 | 14° 1 | 12°44 | 1°45 | 1°54 | S 19 |
| M20 | 8 14 57 | 4°59'43 | 27°39 | 9°56 | 18°16 | 14°11 | 22°42 | 7°25 | 1°49 | 10°10 | 20°25 | 14° 3 | 12°41 | 1°52 | 1°55 | M20 |
| T 21 | 8 18 54 | 6° 0'25 | 9♊27 | 11° 8 | 19°16 | 14°14 | 22°50 | 7°24 | 1°47 | 10° 9 | 20°23 | 14°R 4 | 12°38 | 1°59 | 1°56 | T 21 |
| W22 | 8 22 50 | 7° 1'06 | 21°19 | 12°22 | 20°16 | 14°18 | 22°57 | 7°23 | 1°44 | 10° 8 | 20°22 | 14° 3 | 12°35 | 2° 5 | 1°57 | W22 |
| T 23 | 8 26 47 | 8° 1'45 | 3♋21 | 13°37 | 21°17 | 14°22 | 23° 5 | 7°22 | 1°41 | 10° 6 | 20°21 | 14° 1 | 12°31 | 2°12 | 1°58 | T 23 |
| F 24 | 8 30 43 | 9° 2'23 | 15°35 | 14°54 | 22°18 | 14°27 | 23°12 | 7°21 | 1°39 | 10° 5 | 20°19 | 13°57 | 12°28 | 2°19 | 1°59 | F 24 |
| S 25 | 8 34 40 | 10° 2'59 | 28° 4 | 16°12 | 23°20 | 14°33 | 23°19 | 7°19 | 1°36 | 10° 4 | 20°18 | 13°50 | 12°25 | 2°25 | 2° 0 | S 25 |
| S 26 | 8 38 36 | 11° 3'33 | 10♌48 | 17°32 | 24°22 | 14°39 | 23°27 | 7°18 | 1°34 | 10° 2 | 20°17 | 13°41 | 12°22 | 2°32 | 2° 1 | S 26 |
| M27 | 8 42 33 | 12° 4'05 | 23°48 | 18°53 | 25°24 | 14°46 | 23°33 | 7°16 | 1°31 | 10° 1 | 20°16 | 13°30 | 12°19 | 2°39 | 2° 2 | M27 |
| T 28 | 8 46 29 | 13° 4'36 | 7♍ 2 | 20°16 | 26°27 | 14°54 | 23°40 | 7°15 | 1°29 | 10° 0 | 20°14 | 13°20 | 12°16 | 2°45 | 2° 4 | T 28 |
| W29 | 8 50 26 | 14° 5'06 | 20°29 | 21°39 | 27°30 | 15° 2 | 23°47 | 7°13 | 1°26 | 9°58 | 20°13 | 13°10 | 12°12 | 2°52 | 2° 5 | W29 |
| T 30 | 8 54 23 | 15° 5'34 | 4♎ 6 | 23° 4 | 28°33 | 15°11 | 23°53 | 7°11 | 1°23 | 9°57 | 20°12 | 13° 1 | 12° 9 | 2°59 | 2° 7 | T 30 |
| F 31 | 8 58 19 | 16♒ 6'00 | 17♎52 | 24♑30 | 29♐36 | 15♊20 | 24♏ 0 | 7♎ 9 | 1♌21 | 9♍55 | 20♋11 | 12♐55 | 12♐ 6 | 3♊ 5 | 2♉ 8 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s39 | 2n55 | 5s12 | 20s19 | 3n14 | 16s 9 | 4n23 | 26n13 | 3n26 | 16s54 | 0n56 | 0s39 | 2n31 | 20n19 | 0n39 | 8n46 | 1n11 | 26n26 | 4n33 | 22s42 | 22s34 | 21n26 | 11n56 | 0s15 |
| T 2 | 22 31 | 2s12 | 5 9 | 20 26 | 3 7 | 16 20 | 4 22 | 26 11 | 3 25 | 16 57 | 0 56 | 0 39 | 2 31 | 20 19 | 0 39 | 8 47 | 1 11 | 26 27 | 4 33 | 22 42 | 22 34 | 21 26 | 11 56 | 0 15 |
| F 3 | 22 23 | 7 18 | 4 49 | 20 34 | 3 0 | 16 31 | 4 21 | 26 9 | 3 25 | 16 59 | 0 56 | 0 39 | 2 31 | 20 20 | 0 39 | 8 47 | 1 11 | 26 27 | 4 33 | 22 42 | 22 34 | 21 27 | 11 56 | 0 15 |
| S 4 | 22 15 | 12 8 | 4 12 | 20 42 | 2 51 | 16 42 | 4 20 | 26 8 | 3 25 | 17 2 | 0 56 | 0 39 | 2 31 | 20 21 | 0 39 | 8 47 | 1 12 | 26 27 | 4 33 | 22 41 | 22 33 | 21 27 | 11 56 | 0 15 |
| S 5 | 22 7 | 16 24 | 3 20 | 20 51 | 2 42 | 16 53 | 4 18 | 26 6 | 3 24 | 17 4 | 0 56 | 0 39 | 2 32 | 20 21 | 0 39 | 8 48 | 1 12 | 26 28 | 4 33 | 22 42 | 22 33 | 21 28 | 11 56 | 0 15 |
| M 6 | 21 57 | 19 48 | 2 15 | 21 1 | 2 32 | 17 4 | 4 16 | 26 5 | 3 24 | 17 7 | 0 57 | 0 39 | 2 32 | 20 22 | 0 39 | 8 48 | 1 12 | 26 28 | 4 33 | 22 42 | 22 32 | 21 28 | 11 56 | 0 15 |
| T 7 | 21 48 | 22 0 | 1 0 | 21 12 | 2 22 | 17 15 | 4 15 | 26 3 | 3 23 | 17 9 | 0 57 | 0 39 | 2 32 | 20 22 | 0 39 | 8 48 | 1 12 | 26 28 | 4 33 | 22 42 | 22 32 | 21 29 | 11 56 | 0 15 |
| W 8 | 21 38 | 22 44 | 0n20 | 21 22 | 2 12 | 17 26 | 4 12 | 26 2 | 3 23 | 17 12 | 0 57 | 0 39 | 2 33 | 20 23 | 0 39 | 8 49 | 1 12 | 26 29 | 4 33 | 22 42 | 22 32 | 21 30 | 11 56 | 0 15 |
| T 9 | 21 27 | 21 54 | 1 38 | 21 33 | 2 2 | 17 36 | 4 10 | 26 1 | 3 22 | 17 14 | 0 57 | 0 39 | 2 33 | 20 23 | 0 39 | 8 49 | 1 12 | 26 29 | 4 34 | 22 42 | 22 31 | 21 30 | 11 56 | 0 16 |
| F 10 | 21 17 | 19 34 | 2 50 | 21 43 | 1 51 | 17 47 | 4 8 | 25 59 | 3 21 | 17 16 | 0 57 | 0 39 | 2 33 | 20 24 | 0 39 | 8 50 | 1 12 | 26 29 | 4 34 | 22 41 | 22 31 | 21 31 | 11 56 | 0 16 |
| S 11 | 21 5 | 16 2 | 3 50 | 21 53 | 1 41 | 17 58 | 4 5 | 25 58 | 3 21 | 17 19 | 0 57 | 0 38 | 2 33 | 20 25 | 0 39 | 8 50 | 1 12 | 26 29 | 4 34 | 22 41 | 22 30 | 21 31 | 11 56 | 0 16 |
| S 12 | 20 54 | 11 37 | 4 34 | 22 3 | 1 30 | 18 9 | 4 3 | 25 57 | 3 20 | 17 21 | 0 57 | 0 38 | 2 34 | 20 25 | 0 39 | 8 51 | 1 12 | 26 30 | 4 34 | 22 40 | 22 30 | 21 32 | 11 56 | 0 16 |
| M13 | 20 42 | 6 42 | 5 0 | 22 13 | 1 20 | 18 19 | 4 0 | 25 56 | 3 19 | 17 23 | 0 57 | 0 38 | 2 34 | 20 26 | 0 39 | 8 51 | 1 12 | 26 30 | 4 34 | 22 39 | 22 30 | 21 32 | 11 56 | 0 16 |
| T 14 | 20 30 | 1 37 | 5 9 | 22 22 | 1 10 | 18 29 | 3 57 | 25 55 | 3 18 | 17 25 | 0 57 | 0 37 | 2 34 | 20 27 | 0 39 | 8 52 | 1 12 | 26 30 | 4 34 | 22 38 | 22 29 | 21 33 | 11 56 | 0 16 |
| W15 | 20 17 | 3n23 | 5 2 | 22 31 | 0 59 | 18 39 | 3 54 | 25 54 | 3 18 | 17 27 | 0 57 | 0 37 | 2 35 | 20 27 | 0 39 | 8 52 | 1 12 | 26 30 | 4 34 | 22 38 | 22 29 | 21 33 | 11 56 | 0 16 |
| T 16 | 20 4 | 8 6 | 4 39 | 22 38 | 0 49 | 18 49 | 3 51 | 25 53 | 3 17 | 17 29 | 0 57 | 0 37 | 2 35 | 20 28 | 0 39 | 8 52 | 1 12 | 26 31 | 4 34 | 22 37 | 22 28 | 21 34 | 11 56 | 0 16 |
| F 17 | 19 50 | 12 21 | 4 4 | 22 45 | 0 39 | 18 59 | 3 48 | 25 52 | 3 16 | 17 31 | 0 57 | 0 36 | 2 35 | 20 28 | 0 39 | 8 53 | 1 12 | 26 31 | 4 34 | 22 37 | 22 28 | 21 34 | 11 56 | 0 16 |
| S 18 | 19 36 | 16 2 | 3 19 | 22 51 | 0 30 | 19 8 | 3 45 | 25 51 | 3 15 | 17 33 | 0 57 | 0 36 | 2 35 | 20 29 | 0 39 | 8 53 | 1 12 | 26 31 | 4 34 | 22 37 | 22 28 | 21 35 | 11 57 | 0 16 |
| S 19 | 19 22 | 19 1 | 2 26 | 22 57 | 0 20 | 19 17 | 3 41 | 25 50 | 3 14 | 17 35 | 0 58 | 0 35 | 2 36 | 20 30 | 0 39 | 8 54 | 1 12 | 26 31 | 4 34 | 22 37 | 22 27 | 21 35 | 11 57 | 0 16 |
| M20 | 19 7 | 21 10 | 1 27 | 23 1 | 0 11 | 19 26 | 3 38 | 25 50 | 3 13 | 17 37 | 0 58 | 0 34 | 2 36 | 20 30 | 0 39 | 8 55 | 1 12 | 26 32 | 4 34 | 22 37 | 22 27 | 21 36 | 11 57 | 0 16 |
| T 21 | 18 53 | 22 24 | 0 25 | 23 4 | 0 2 | 19 35 | 3 34 | 25 49 | 3 12 | 17 39 | 0 58 | 0 34 | 2 36 | 20 31 | 0 39 | 8 55 | 1 12 | 26 32 | 4 34 | 22 37 | 22 26 | 21 36 | 11 57 | 0 16 |
| W22 | 18 37 | 22 38 | 0s39 | 23 6 | 0s 7 | 19 43 | 3 30 | 25 49 | 3 11 | 17 41 | 0 58 | 0 33 | 2 37 | 20 31 | 0 39 | 8 56 | 1 12 | 26 32 | 4 34 | 22 37 | 22 26 | 21 37 | 11 58 | 0 16 |
| T 23 | 18 22 | 21 50 | 1 42 | 23 8 | 0 15 | 19 51 | 3 27 | 25 48 | 3 10 | 17 43 | 0 58 | 0 32 | 2 37 | 20 32 | 0 39 | 8 56 | 1 12 | 26 32 | 4 34 | 22 37 | 22 26 | 21 37 | 11 58 | 0 16 |
| F 24 | 18 6 | 20 0 | 2 41 | 23 8 | 0 24 | 19 59 | 3 23 | 25 48 | 3 9 | 17 45 | 0 58 | 0 32 | 2 37 | 20 32 | 0 39 | 8 57 | 1 12 | 26 33 | 4 34 | 22 36 | 22 25 | 21 38 | 11 58 | 0 17 |
| S 25 | 17 50 | 17 11 | 3 33 | 23 6 | 0 32 | 20 6 | 3 19 | 25 48 | 3 8 | 17 46 | 0 58 | 0 31 | 2 37 | 20 33 | 0 39 | 8 57 | 1 12 | 26 33 | 4 34 | 22 35 | 22 25 | 21 38 | 11 59 | 0 17 |
| S 26 | 17 33 | 13 31 | 4 16 | 23 4 | 0 39 | 20 13 | 3 15 | 25 47 | 3 7 | 17 48 | 0 58 | 0 30 | 2 38 | 20 34 | 0 39 | 8 58 | 1 12 | 26 33 | 4 34 | 22 34 | 22 24 | 21 39 | 11 59 | 0 17 |
| M27 | 17 16 | 9 9 | 4 47 | 23 1 | 0 47 | 20 19 | 3 11 | 25 47 | 3 6 | 17 50 | 0 58 | 0 29 | 2 38 | 20 34 | 0 39 | 8 58 | 1 12 | 26 33 | 4 34 | 22 33 | 22 24 | 21 39 | 11 59 | 0 17 |
| T 28 | 16 59 | 4 18 | 5 2 | 22 56 | 0 54 | 20 25 | 3 7 | 25 47 | 3 5 | 17 51 | 0 58 | 0 28 | 2 38 | 20 35 | 0 39 | 8 59 | 1 12 | 26 34 | 4 34 | 22 32 | 22 23 | 21 40 | 12 0 | 0 17 |
| W29 | 16 42 | 0s50 | 5 2 | 22 50 | 1 1 | 20 31 | 3 2 | 25 47 | 3 4 | 17 53 | 0 58 | 0 27 | 2 38 | 20 35 | 0 39 | 8 59 | 1 12 | 26 34 | 4 34 | 22 30 | 22 23 | 21 40 | 12 0 | 0 17 |
| T 30 | 16 24 | 5 59 | 4 44 | 22 42 | 1 8 | 20 36 | 2 58 | 25 47 | 3 3 | 17 54 | 0 58 | 0 26 | 2 39 | 20 36 | 0 39 | 9 0 | 1 12 | 26 34 | 4 34 | 22 29 | 22 23 | 21 41 | 12 1 | 0 17 |
| F 31 | 16s 6 | 10s54 | 4s10 | 22s33 | 1s14 | 20s41 | 2n54 | 25n47 | 3n 2 | 17s56 | 0n59 | 0s25 | 2n39 | 20n36 | 0n39 | 9n 1 | 1n12 | 26n34 | 4n34 | 22s29 | 22s22 | 21n41 | 12n 1 | 0s17 |

Julian Day Number = 2068410.5, Delta T = 28m46s
Ecliptic obliquity = 23°34'27, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'16, Lahiri = 9°14'17 Julian Calendar 1 Jan. 951 == Greg. Calendar 6 Jan. 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## FEBRUARY 951 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 2 16 | 17♒ 6'25 | 1♏46 | 25♑57 | 0♑40 | 15♊30 | 24♏ 6 | 7°R 7 | 1°R18 | 9°R54 | 20°R10 | 12°R52 | 12♐ 3 | 3♊12 | 2♉10 | S 1 |
| S 2 | 9 6 12 | 18° 6'49 | 15°46 | 27°25 | 1°44 | 15°41 | 24°12 | 7♎ 5 | 1♌16 | 9♍52 | 20♋ 8 | 12°D51 | 12° 0 | 3°18 | 2°11 | S 2 |
| M 3 | 9 10 9 | 19° 7'12 | 29°51 | 28°54 | 2°48 | 15°52 | 24°18 | 7° 2 | 1°13 | 9°51 | 20° 7 | 12♐51 | 11°56 | 3°25 | 2°13 | M 3 |
| T 4 | 9 14 5 | 20° 7'33 | 14♐ 2 | 0♒25 | 3°53 | 16° 4 | 24°23 | 7° 0 | 1°11 | 9°49 | 20° 6 | 12°R52 | 11°53 | 3°32 | 2°15 | T 4 |
| W 5 | 9 18 2 | 21° 7'53 | 28°16 | 1°56 | 4°58 | 16°16 | 24°29 | 6°58 | 1° 9 | 9°48 | 20° 5 | 12°51 | 11°50 | 3°38 | 2°16 | W 5 |
| T 6 | 9 21 58 | 22° 8'11 | 12♑31 | 3°28 | 6° 3 | 16°29 | 24°34 | 6°55 | 1° 6 | 9°46 | 20° 4 | 12°48 | 11°47 | 3°45 | 2°18 | T 6 |
| F 7 | 9 25 55 | 23° 8'27 | 26°44 | 5° 2 | 7° 8 | 16°42 | 24°40 | 6°53 | 1° 4 | 9°44 | 20° 3 | 12°42 | 11°44 | 3°52 | 2°20 | F 7 |
| S 8 | 9 29 52 | 24° 8'42 | 10♒50 | 6°36 | 8°14 | 16°56 | 24°45 | 6°50 | 1° 1 | 9°43 | 20° 1 | 12°33 | 11°41 | 3°58 | 2°22 | S 8 |
| S 9 | 9 33 48 | 25° 8'55 | 24°46 | 8°12 | 9°19 | 17°10 | 24°50 | 6°47 | 0°59 | 9°41 | 20° 0 | 12°22 | 11°37 | 4° 5 | 2°24 | S 9 |
| M10 | 9 37 45 | 26° 9'06 | 8♓25 | 9°48 | 10°25 | 17°25 | 24°54 | 6°44 | 0°57 | 9°40 | 19°59 | 12° 9 | 11°34 | 4°12 | 2°26 | M10 |
| T 11 | 9 41 41 | 27° 9'15 | 21°45 | 11°26 | 11°31 | 17°40 | 24°59 | 6°41 | 0°55 | 9°38 | 19°58 | 11°57 | 11°31 | 4°18 | 2°28 | T 11 |
| W12 | 9 45 38 | 28° 9'22 | 4♈44 | 13° 5 | 12°37 | 17°56 | 25° 3 | 6°38 | 0°52 | 9°36 | 19°57 | 11°46 | 11°28 | 4°25 | 2°30 | W12 |
| T 13 | 9 49 34 | 29° 9'27 | 17°23 | 14°45 | 13°44 | 18°12 | 25° 8 | 6°35 | 0°50 | 9°35 | 19°56 | 11°37 | 11°25 | 4°32 | 2°32 | T 13 |
| F 14 | 9 53 31 | 0♓ 9'29 | 29°43 | 16°25 | 14°50 | 18°29 | 25°12 | 6°32 | 0°48 | 9°33 | 19°55 | 11°31 | 11°22 | 4°38 | 2°35 | F 14 |
| S 15 | 9 57 27 | 1° 9'30 | 11♉47 | 18° 7 | 15°57 | 18°46 | 25°16 | 6°29 | 0°46 | 9°31 | 19°54 | 11°27 | 11°18 | 4°45 | 2°37 | S 15 |
| S 16 | 10 1 24 | 2° 9'29 | 23°41 | 19°50 | 17° 4 | 19° 3 | 25°19 | 6°25 | 0°44 | 9°30 | 19°53 | 11°26 | 11°15 | 4°51 | 2°39 | S 16 |
| M17 | 10 5 20 | 3° 9'25 | 5♊29 | 21°35 | 18°11 | 19°21 | 25°23 | 6°22 | 0°41 | 9°28 | 19°52 | 11°26 | 11°12 | 4°58 | 2°42 | M17 |
| T 18 | 10 9 17 | 4° 9'19 | 17°18 | 23°20 | 19°18 | 19°39 | 25°26 | 6°18 | 0°39 | 9°27 | 19°51 | 11°26 | 11° 9 | 5° 5 | 2°44 | T 18 |
| W19 | 10 13 14 | 5° 9'11 | 29°12 | 25° 6 | 20°25 | 19°58 | 25°29 | 6°15 | 0°37 | 9°25 | 19°50 | 11°25 | 11° 6 | 5°11 | 2°47 | W19 |
| T 20 | 10 17 10 | 6° 9'00 | 11♋17 | 26°54 | 21°33 | 20°17 | 25°32 | 6°11 | 0°35 | 9°23 | 19°50 | 11°22 | 11° 2 | 5°18 | 2°49 | T 20 |
| F 21 | 10 21 7 | 7° 8'48 | 23°37 | 28°43 | 22°41 | 20°37 | 25°35 | 6° 8 | 0°33 | 9°22 | 19°49 | 11°16 | 10°59 | 5°25 | 2°52 | F 21 |
| S 22 | 10 25 3 | 8° 8'33 | 6♌15 | 0♈33 | 23°48 | 20°56 | 25°38 | 6° 4 | 0°31 | 9°20 | 19°48 | 11° 8 | 10°56 | 5°31 | 2°54 | S 22 |
| S 23 | 10 29 0 | 9° 8'15 | 19°14 | 2°24 | 24°56 | 21°17 | 25°40 | 6° 0 | 0°30 | 9°18 | 19°47 | 10°57 | 10°53 | 5°38 | 2°57 | S 23 |
| M24 | 10 32 56 | 10° 7'56 | 2♍33 | 4°16 | 26° 4 | 21°37 | 25°43 | 5°56 | 0°28 | 9°17 | 19°46 | 10°45 | 10°50 | 5°45 | 3° 0 | M24 |
| T 25 | 10 36 53 | 11° 7'35 | 16°11 | 6°10 | 27°12 | 21°58 | 25°45 | 5°52 | 0°26 | 9°15 | 19°45 | 10°32 | 10°47 | 5°51 | 3° 3 | T 25 |
| W26 | 10 40 49 | 12° 7'11 | 0♎ 4 | 8° 4 | 28°21 | 22°19 | 25°47 | 5°48 | 0°24 | 9°13 | 19°45 | 10°20 | 10°43 | 5°58 | 3° 5 | W26 |
| T 27 | 10 44 46 | 13° 6'46 | 14° 8 | 10° 0 | 29°29 | 22°41 | 25°48 | 5°44 | 0°22 | 9°12 | 19°44 | 10°10 | 10°40 | 6° 5 | 3° 8 | T 27 |
| F 28 | 10 48 43 | 14♓ 6'18 | 28♎18 | 11♓57 | 0♒38 | 23♊ 2 | 25♏50 | 5♎40 | 0♌21 | 9♍10 | 19♋43 | 10♐ 2 | 10♐37 | 6♊11 | 3♉11 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s48 | 15s17 | 3s21 | 22s23 | 1s20 | 20s45 | 2n50 | 25n47 | 3n 1 | 17s57 | 0n59 | 0s24 | 2n39 | 20n37 | 0n39 | 9n 1 | 1n13 | 26n34 | 4n34 | 22s28 | 22s22 | 21n42 | 12n 2 | 0s17 |
| S 2 | 15 29 | 18 52 | 2 19 | 22 12 | 1 26 | 20 49 | 2 45 | 25 47 | 3 0 | 17 59 | 0 59 | 0 23 | 2 39 | 20 38 | 0 39 | 9 2 | 1 13 | 26 35 | 4 34 | 22 28 | 22 21 | 21 42 | 12 2 | 0 17 |
| M 3 | 15 10 | 21 21 | 1 9 | 21 59 | 1 31 | 20 52 | 2 41 | 25 47 | 2 59 | 18 0 | 0 59 | 0 22 | 2 40 | 20 38 | 0 39 | 9 2 | 1 13 | 26 35 | 4 34 | 22 28 | 22 21 | 21 42 | 12 3 | 0 17 |
| T 4 | 14 51 | 22 31 | 0n 6 | 21 45 | 1 36 | 20 55 | 2 36 | 25 47 | 2 58 | 18 1 | 0 59 | 0 21 | 2 40 | 20 39 | 0 39 | 9 3 | 1 13 | 26 35 | 4 35 | 22 28 | 22 20 | 21 43 | 12 3 | 0 17 |
| W 5 | 14 32 | 22 13 | 1 21 | 21 29 | 1 41 | 20 57 | 2 32 | 25 48 | 2 57 | 18 3 | 0 59 | 0 20 | 2 40 | 20 39 | 0 39 | 9 4 | 1 13 | 26 35 | 4 35 | 22 28 | 22 20 | 21 43 | 12 4 | 0 17 |
| T 6 | 14 13 | 20 29 | 2 31 | 21 12 | 1 45 | 20 59 | 2 27 | 25 48 | 2 56 | 18 4 | 0 59 | 0 19 | 2 40 | 20 40 | 0 39 | 9 4 | 1 13 | 26 35 | 4 35 | 22 28 | 22 20 | 21 44 | 12 4 | 0 17 |
| F 7 | 13 53 | 17 29 | 3 31 | 20 53 | 1 49 | 21 0 | 2 23 | 25 48 | 2 55 | 18 5 | 0 59 | 0 17 | 2 41 | 20 40 | 0 39 | 9 5 | 1 13 | 26 36 | 4 35 | 22 27 | 22 19 | 21 44 | 12 5 | 0 17 |
| S 8 | 13 33 | 13 29 | 4 17 | 20 33 | 1 53 | 21 1 | 2 18 | 25 49 | 2 54 | 18 6 | 0 59 | 0 16 | 2 41 | 20 41 | 0 39 | 9 5 | 1 13 | 26 36 | 4 35 | 22 26 | 22 19 | 21 44 | 12 5 | 0 17 |
| S 9 | 13 13 | 8 49 | 4 48 | 20 11 | 1 56 | 21 1 | 2 14 | 25 49 | 2 53 | 18 7 | 0 59 | 0 15 | 2 41 | 20 41 | 0 39 | 9 6 | 1 13 | 26 36 | 4 35 | 22 24 | 22 18 | 21 45 | 12 6 | 0 18 |
| M10 | 12 52 | 3 49 | 5 1 | 19 48 | 1 59 | 21 1 | 2 9 | 25 49 | 2 52 | 18 8 | 1 0 | 0 13 | 2 41 | 20 42 | 0 39 | 9 7 | 1 13 | 26 36 | 4 35 | 22 23 | 22 18 | 21 45 | 12 7 | 0 18 |
| T 11 | 12 32 | 1n16 | 4 57 | 19 24 | 2 2 | 21 0 | 2 4 | 25 50 | 2 51 | 18 9 | 1 0 | 0 12 | 2 41 | 20 42 | 0 39 | 9 7 | 1 13 | 26 36 | 4 35 | 22 21 | 22 17 | 21 46 | 12 7 | 0 18 |
| W12 | 12 11 | 6 9 | 4 38 | 18 58 | 2 4 | 20 59 | 2 0 | 25 50 | 2 50 | 18 10 | 1 0 | 0 11 | 2 42 | 20 43 | 0 39 | 9 8 | 1 13 | 26 36 | 4 35 | 22 20 | 22 17 | 21 46 | 12 8 | 0 18 |
| T 13 | 11 50 | 10 38 | 4 6 | 18 30 | 2 6 | 20 57 | 1 55 | 25 51 | 2 49 | 18 11 | 1 0 | 0 9 | 2 42 | 20 43 | 0 39 | 9 9 | 1 13 | 26 36 | 4 35 | 22 18 | 22 17 | 21 46 | 12 9 | 0 18 |
| F 14 | 11 29 | 14 35 | 3 22 | 18 1 | 2 7 | 20 55 | 1 51 | 25 51 | 2 48 | 18 12 | 1 0 | 0 8 | 2 42 | 20 44 | 0 39 | 9 9 | 1 13 | 26 37 | 4 35 | 22 17 | 22 16 | 21 47 | 12 9 | 0 18 |
| S 15 | 11 7 | 17 50 | 2 30 | 17 31 | 2 8 | 20 52 | 1 46 | 25 52 | 2 47 | 18 13 | 1 0 | 0 6 | 2 42 | 20 44 | 0 39 | 9 10 | 1 13 | 26 37 | 4 35 | 22 17 | 22 16 | 21 47 | 12 10 | 0 18 |
| S 16 | 10 46 | 20 18 | 1 33 | 16 59 | 2 9 | 20 48 | 1 41 | 25 52 | 2 45 | 18 14 | 1 0 | 0 5 | 2 43 | 20 45 | 0 39 | 9 11 | 1 13 | 26 37 | 4 35 | 22 17 | 22 15 | 21 47 | 12 11 | 0 18 |
| M17 | 10 24 | 21 51 | 0 31 | 16 25 | 2 9 | 20 44 | 1 37 | 25 53 | 2 44 | 18 14 | 1 0 | 0 3 | 2 43 | 20 45 | 0 39 | 9 11 | 1 13 | 26 37 | 4 34 | 22 17 | 22 15 | 21 48 | 12 12 | 0 18 |
| T 18 | 10 2 | 22 27 | 0s31 | 15 50 | 2 8 | 20 40 | 1 32 | 25 53 | 2 43 | 18 15 | 1 0 | 0 2 | 2 43 | 20 45 | 0 39 | 9 12 | 1 13 | 26 37 | 4 34 | 22 17 | 22 14 | 21 48 | 12 12 | 0 18 |
| W19 | 9 40 | 22 2 | 1 33 | 15 14 | 2 7 | 20 34 | 1 27 | 25 53 | 2 42 | 18 16 | 1 1 | 0 0 | 2 43 | 20 46 | 0 39 | 9 12 | 1 13 | 26 37 | 4 34 | 22 17 | 22 14 | 21 48 | 12 13 | 0 18 |
| T 20 | 9 18 | 20 35 | 2 31 | 14 35 | 2 6 | 20 29 | 1 23 | 25 54 | 2 41 | 18 16 | 1 1 | 0n 2 | 2 43 | 20 46 | 0 39 | 9 13 | 1 13 | 26 37 | 4 34 | 22 16 | 22 13 | 21 49 | 12 14 | 0 18 |
| F 21 | 8 56 | 18 9 | 3 24 | 13 56 | 2 4 | 20 22 | 1 18 | 25 54 | 2 40 | 18 17 | 1 1 | 0 3 | 2 43 | 20 47 | 0 39 | 9 14 | 1 13 | 26 38 | 4 34 | 22 15 | 22 13 | 21 49 | 12 15 | 0 18 |
| S 22 | 8 34 | 14 49 | 4 7 | 13 15 | 2 2 | 20 15 | 1 14 | 25 55 | 2 39 | 18 17 | 1 1 | 0 5 | 2 44 | 20 47 | 0 39 | 9 14 | 1 13 | 26 38 | 4 34 | 22 14 | 22 13 | 21 49 | 12 16 | 0 18 |
| S 23 | 8 11 | 10 43 | 4 39 | 12 32 | 1 59 | 20 8 | 1 9 | 25 55 | 2 38 | 18 18 | 1 1 | 0 6 | 2 44 | 20 48 | 0 39 | 9 15 | 1 13 | 26 38 | 4 34 | 22 13 | 22 12 | 21 50 | 12 17 | 0 18 |
| M24 | 7 49 | 6 0 | 4 57 | 11 48 | 1 56 | 20 0 | 1 4 | 25 55 | 2 37 | 18 18 | 1 1 | 0 8 | 2 44 | 20 48 | 0 39 | 9 16 | 1 13 | 26 38 | 4 34 | 22 11 | 22 12 | 21 50 | 12 17 | 0 18 |
| T 25 | 7 26 | 0 54 | 4 59 | 11 2 | 1 52 | 19 51 | 1 0 | 25 56 | 2 36 | 18 19 | 1 1 | 0 10 | 2 44 | 20 48 | 0 39 | 9 16 | 1 13 | 26 38 | 4 34 | 22 9 | 22 11 | 21 50 | 12 18 | 0 19 |
| W26 | 7 3 | 4s21 | 4 43 | 10 15 | 1 48 | 19 42 | 0 55 | 25 56 | 2 35 | 18 19 | 1 1 | 0 12 | 2 44 | 20 49 | 0 39 | 9 17 | 1 13 | 26 38 | 4 34 | 22 7 | 22 11 | 21 51 | 12 19 | 0 19 |
| T 27 | 6 40 | 9 26 | 4 10 | 9 27 | 1 43 | 19 33 | 0 51 | 25 56 | 2 34 | 18 19 | 1 1 | 0 13 | 2 44 | 20 49 | 0 39 | 9 18 | 1 13 | 26 38 | 4 34 | 22 6 | 22 10 | 21 51 | 12 20 | 0 19 |
| F 28 | 6s17 | 14s 3 | 3s21 | 8s37 | 1s37 | 19s22 | 0n47 | 25n57 | 2n33 | 18s20 | 1n 1 | 0n15 | 2n45 | 20n49 | 0n39 | 9n18 | 1n13 | 26n38 | 4n34 | 22s 5 | 22s10 | 21n51 | 12n21 | 0s19 |

Julian Day Number = 2068441.5, Delta T = 28m45s
Ecliptic obliquity = 23°34'28, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'20, Lahiri = 9°14'21 Julian Calendar 1 Feb. 951 == Greg. Calendar 6 Feb. 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## MARCH 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 52 39 | 15♓ 5'49 | 12♏31 | 13♓55 | 1♒46 | 23♊25 | 25♏51 | 5°R36 | 0°R19 | 9°R 8 | 19°R43 | 9°R58 | 10♐34 | 6♊18 | 3♉14 | S 1 |
| S 2 | 10 56 36 | 16° 5'18 | 26°42 | 15°54 | 2°55 | 23°47 | 25°52 | 5♎32 | 0♌17 | 9♍ 7 | 19♋42 | 9♐56 | 10°31 | 6°25 | 3°17 | S 2 |
| M 3 | 11 0 32 | 17° 4'46 | 10♐51 | 17°54 | 4° 4 | 24°10 | 25°53 | 5°28 | 0°16 | 9° 5 | 19°41 | 9°56 | 10°27 | 6°31 | 3°20 | M 3 |
| T 4 | 11 4 29 | 18° 4'11 | 24°56 | 19°55 | 5°13 | 24°33 | 25°54 | 5°23 | 0°14 | 9° 3 | 19°41 | 9°56 | 10°24 | 6°38 | 3°23 | T 4 |
| W 5 | 11 8 25 | 19° 3'35 | 8♑55 | 21°56 | 6°22 | 24°56 | 25°55 | 5°19 | 0°13 | 9° 2 | 19°40 | 9°54 | 10°21 | 6°44 | 3°26 | W 5 |
| T 6 | 11 12 22 | 20° 2'57 | 22°50 | 23°58 | 7°31 | 25°19 | 25°55 | 5°15 | 0°12 | 9° 0 | 19°39 | 9°51 | 10°18 | 6°51 | 3°29 | T 6 |
| F 7 | 11 16 18 | 21° 2'17 | 6♒38 | 26° 1 | 8°40 | 25°43 | 25°56 | 5°10 | 0°10 | 8°58 | 19°39 | 9°45 | 10°15 | 6°58 | 3°33 | F 7 |
| S 8 | 11 20 15 | 22° 1'35 | 20°18 | 28° 3 | 9°50 | 26° 7 | 25°R56 | 5° 6 | 0° 9 | 8°57 | 19°38 | 9°36 | 10°12 | 7° 4 | 3°36 | S 8 |
| S 9 | 11 24 12 | 23° 0'51 | 3♓48 | 0♈ 5 | 10°59 | 26°32 | 25°56 | 5° 1 | 0° 8 | 8°55 | 19°38 | 9°25 | 10° 8 | 7°11 | 3°39 | S 9 |
| M10 | 11 28 8 | 24° 0'06 | 17° 4 | 2° 7 | 12° 8 | 26°56 | 25°55 | 4°57 | 0° 6 | 8°54 | 19°37 | 9°13 | 10° 5 | 7°18 | 3°42 | M10 |
| T 11 | 11 32 5 | 24°59'18 | 0♈ 7 | 4° 9 | 13°18 | 27°21 | 25°55 | 4°53 | 0° 5 | 8°52 | 19°37 | 9° 0 | 10° 2 | 7°24 | 3°46 | T 11 |
| W12 | 11 36 1 | 25°58'28 | 12°53 | 6° 9 | 14°28 | 27°46 | 25°54 | 4°48 | 0° 4 | 8°50 | 19°36 | 8°49 | 9°59 | 7°31 | 3°49 | W12 |
| T 13 | 11 39 58 | 26°57'36 | 25°22 | 8° 8 | 15°37 | 28°12 | 25°53 | 4°43 | 0° 3 | 8°49 | 19°36 | 8°39 | 9°56 | 7°38 | 3°52 | T 13 |
| F 14 | 11 43 54 | 27°56'41 | 7♉37 | 10° 6 | 16°47 | 28°37 | 25°52 | 4°39 | 0° 2 | 8°47 | 19°36 | 8°32 | 9°53 | 7°44 | 3°56 | F 14 |
| S 15 | 11 47 51 | 28°55'45 | 19°39 | 12° 1 | 17°57 | 29° 3 | 25°51 | 4°34 | 0° 1 | 8°46 | 19°35 | 8°28 | 9°49 | 7°51 | 3°59 | S 15 |
| S 16 | 11 51 47 | 29°54'46 | 1♊32 | 13°54 | 19° 7 | 29°29 | 25°49 | 4°30 | 29♋59 | 8°44 | 19°35 | 8°27 | 9°46 | 7°58 | 4° 3 | S 16 |
| M17 | 11 55 44 | 0♈53'45 | 13°20 | 15°44 | 20°17 | 29°55 | 25°48 | 4°25 | 29°59 | 8°43 | 19°35 | 8°D27 | 9°43 | 8° 4 | 4° 6 | M17 |
| T 18 | 11 59 40 | 1°52'41 | 25° 8 | 17°31 | 21°27 | 0♌22 | 25°46 | 4°21 | 29°58 | 8°41 | 19°34 | 8°27 | 9°40 | 8°11 | 4°10 | T 18 |
| W19 | 12 3 37 | 2°51'35 | 7♋ 2 | 19°15 | 22°37 | 0°48 | 25°44 | 4°16 | 29°57 | 8°40 | 19°34 | 8°R27 | 9°37 | 8°17 | 4°13 | W19 |
| T 20 | 12 7 34 | 3°50'27 | 19° 7 | 20°54 | 23°47 | 1°15 | 25°42 | 4°11 | 29°57 | 8°38 | 19°34 | 8°26 | 9°33 | 8°24 | 4°17 | T 20 |
| F 21 | 12 11 30 | 4°49'17 | 1♌28 | 22°29 | 24°58 | 1°42 | 25°39 | 4° 7 | 29°56 | 8°37 | 19°34 | 8°22 | 9°30 | 8°31 | 4°20 | F 21 |
| S 22 | 12 15 27 | 5°48'04 | 14°10 | 24° 0 | 26° 8 | 2° 9 | 25°37 | 4° 2 | 29°55 | 8°35 | 19°34 | 8°17 | 9°27 | 8°37 | 4°24 | S 22 |
| S 23 | 12 19 23 | 6°46'49 | 27°15 | 25°26 | 27°18 | 2°37 | 25°34 | 3°57 | 29°55 | 8°34 | 19°33 | 8° 9 | 9°24 | 8°44 | 4°28 | S 23 |
| M24 | 12 23 20 | 7°45'32 | 10♍45 | 26°48 | 28°29 | 3° 5 | 25°31 | 3°53 | 29°54 | 8°32 | 19°33 | 8° 0 | 9°21 | 8°51 | 4°31 | M24 |
| T 25 | 12 27 16 | 8°44'12 | 24°39 | 28° 4 | 29°39 | 3°32 | 25°28 | 3°48 | 29°54 | 8°31 | 19°33 | 7°50 | 9°18 | 8°57 | 4°35 | T 25 |
| W26 | 12 31 13 | 9°42'51 | 8♎53 | 29°15 | 0♓50 | 4° 0 | 25°25 | 3°44 | 29°53 | 8°30 | 19°33 | 7°41 | 9°14 | 9° 4 | 4°39 | W26 |
| T 27 | 12 35 9 | 10°41'27 | 23°21 | 0♉20 | 2° 0 | 4°28 | 25°22 | 3°39 | 29°53 | 8°28 | 19°33 | 7°33 | 9°11 | 9°11 | 4°42 | T 27 |
| F 28 | 12 39 6 | 11°40'02 | 7♏58 | 1°21 | 3°11 | 4°57 | 25°18 | 3°35 | 29°52 | 8°27 | 19°D33 | 7°28 | 9° 8 | 9°17 | 4°46 | F 28 |
| S 29 | 12 43 3 | 12°38'35 | 22°35 | 2°15 | 4°21 | 5°25 | 25°14 | 3°30 | 29°52 | 8°26 | 19°33 | 7°24 | 9° 5 | 9°24 | 4°50 | S 29 |
| S 30 | 12 46 59 | 13°37'06 | 7♐ 9 | 3° 4 | 5°32 | 5°54 | 25°10 | 3°26 | 29°52 | 8°24 | 19°33 | 7°D24 | 9° 2 | 9°31 | 4°54 | S 30 |
| M31 | 12 50 56 | 14♈35'35 | 21♐33 | 3♉47 | 6♓43 | 6♋23 | 25♏ 6 | 3♎21 | 29♋52 | 8♍23 | 19♋33 | 7♐24 | 8♐59 | 9♊37 | 4♉58 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s54 | 17s54 | 2s20 | 7s46 | 1s31 | 19s12 | 0n42 | 25n57 | 2n32 | 18s20 | 1n 2 | 0n17 | 2n45 | 20n50 | 0n39 | 9n19 | 1n13 | 26n38 | 4n34 | 22s 4 | 22s 9 | 21n52 | 12n22 | 0s19 |
| S 2 | 5 31 | 20 39 | 1 9 | 6 53 | 1 25 | 19 0 | 0 38 | 25 57 | 2 31 | 18 20 | 1 2 | 0 19 | 2 45 | 20 50 | 0 39 | 9 19 | 1 13 | 26 38 | 4 34 | 22 4 | 22 9 | 21 52 | 12 23 | 0 19 |
| M 3 | 5 8 | 22 7 | 0n 5 | 6 0 | 1 18 | 18 48 | 0 33 | 25 57 | 2 30 | 18 20 | 1 2 | 0 20 | 2 45 | 20 50 | 0 39 | 9 20 | 1 13 | 26 38 | 4 34 | 22 4 | 22 9 | 21 52 | 12 24 | 0 19 |
| T 4 | 4 45 | 22 10 | 1 19 | 5 5 | 1 10 | 18 36 | 0 29 | 25 57 | 2 29 | 18 20 | 1 2 | 0 22 | 2 45 | 20 51 | 0 39 | 9 21 | 1 13 | 26 38 | 4 34 | 22 4 | 22 8 | 21 52 | 12 25 | 0 19 |
| W 5 | 4 21 | 20 50 | 2 27 | 4 10 | 1 2 | 18 23 | 0 25 | 25 57 | 2 29 | 18 20 | 1 2 | 0 24 | 2 45 | 20 51 | 0 39 | 9 21 | 1 13 | 26 39 | 4 34 | 22 4 | 22 8 | 21 53 | 12 26 | 0 19 |
| T 6 | 3 58 | 18 14 | 3 26 | 3 13 | 0 53 | 18 10 | 0 21 | 25 57 | 2 28 | 18 20 | 1 2 | 0 26 | 2 45 | 20 51 | 0 39 | 9 22 | 1 13 | 26 39 | 4 34 | 22 3 | 22 7 | 21 53 | 12 27 | 0 19 |
| F 7 | 3 34 | 14 38 | 4 13 | 2 16 | 0 44 | 17 56 | 0 17 | 25 57 | 2 27 | 18 20 | 1 2 | 0 28 | 2 45 | 20 51 | 0 39 | 9 23 | 1 13 | 26 39 | 4 34 | 22 2 | 22 7 | 21 53 | 12 28 | 0 19 |
| S 8 | 3 11 | 10 18 | 4 45 | 1 18 | 0 34 | 17 41 | 0 12 | 25 57 | 2 26 | 18 20 | 1 2 | 0 30 | 2 45 | 20 52 | 0 39 | 9 23 | 1 13 | 26 39 | 4 34 | 22 1 | 22 6 | 21 53 | 12 29 | 0 19 |
| S 9 | 2 47 | 5 31 | 5 0 | 0 20 | 0 24 | 17 26 | 0 8 | 25 56 | 2 25 | 18 20 | 1 2 | 0 31 | 2 46 | 20 52 | 0 39 | 9 24 | 1 13 | 26 39 | 4 34 | 21 59 | 22 6 | 21 54 | 12 30 | 0 19 |
| M10 | 2 24 | 0 33 | 4 58 | 0n39 | 0 13 | 17 11 | 0 4 | 25 56 | 2 24 | 18 20 | 1 2 | 0 33 | 2 46 | 20 52 | 0 39 | 9 24 | 1 13 | 26 39 | 4 34 | 21 57 | 22 5 | 21 54 | 12 31 | 0 19 |
| T 11 | 2 0 | 4n20 | 4 41 | 1 37 | 0 2 | 16 55 | 0 0 | 25 56 | 2 23 | 18 20 | 1 3 | 0 35 | 2 46 | 20 52 | 0 39 | 9 25 | 1 13 | 26 39 | 4 34 | 21 55 | 22 5 | 21 54 | 12 32 | 0 19 |
| W12 | 1 37 | 8 57 | 4 10 | 2 36 | 0n 9 | 16 38 | 0s 3 | 25 55 | 2 22 | 18 20 | 1 3 | 0 37 | 2 46 | 20 53 | 0 39 | 9 26 | 1 13 | 26 39 | 4 34 | 21 54 | 22 4 | 21 54 | 12 33 | 0 19 |
| T 13 | 1 13 | 13 5 | 3 28 | 3 34 | 0 21 | 16 22 | 0 7 | 25 55 | 2 21 | 18 19 | 1 3 | 0 39 | 2 46 | 20 53 | 0 39 | 9 26 | 1 13 | 26 39 | 4 34 | 21 52 | 22 4 | 21 55 | 12 34 | 0 20 |
| F 14 | 0 49 | 16 35 | 2 36 | 4 31 | 0 32 | 16 4 | 0 11 | 25 54 | 2 20 | 18 19 | 1 3 | 0 41 | 2 46 | 20 53 | 0 39 | 9 27 | 1 13 | 26 39 | 4 34 | 21 51 | 22 3 | 21 55 | 12 35 | 0 20 |
| S 15 | 0 26 | 19 19 | 1 38 | 5 27 | 0 44 | 15 46 | 0 15 | 25 54 | 2 19 | 18 19 | 1 3 | 0 43 | 2 46 | 20 53 | 0 38 | 9 27 | 1 13 | 26 39 | 4 34 | 21 50 | 22 3 | 21 55 | 12 37 | 0 20 |
| S 16 | 0 2 | 21 11 | 0 37 | 6 22 | 0 56 | 15 28 | 0 19 | 25 53 | 2 18 | 18 18 | 1 3 | 0 44 | 2 46 | 20 53 | 0 38 | 9 28 | 1 13 | 26 39 | 4 34 | 21 50 | 22 2 | 21 55 | 12 38 | 0 20 |
| M17 | 0n21 | 22 6 | 0s26 | 7 16 | 1 7 | 15 9 | 0 22 | 25 52 | 2 17 | 18 18 | 1 3 | 0 46 | 2 46 | 20 54 | 0 38 | 9 29 | 1 13 | 26 39 | 4 34 | 21 50 | 22 2 | 21 55 | 12 39 | 0 20 |
| T 18 | 0 45 | 22 1 | 1 28 | 8 8 | 1 19 | 14 50 | 0 26 | 25 51 | 2 17 | 18 17 | 1 3 | 0 48 | 2 46 | 20 54 | 0 38 | 9 29 | 1 13 | 26 39 | 4 34 | 21 50 | 22 1 | 21 56 | 12 40 | 0 20 |
| W19 | 1 9 | 20 57 | 2 27 | 8 58 | 1 30 | 14 31 | 0 29 | 25 50 | 2 16 | 18 17 | 1 3 | 0 50 | 2 46 | 20 54 | 0 38 | 9 30 | 1 13 | 26 39 | 4 34 | 21 50 | 22 1 | 21 56 | 12 41 | 0 20 |
| T 20 | 1 32 | 18 55 | 3 19 | 9 46 | 1 41 | 14 11 | 0 33 | 25 49 | 2 15 | 18 16 | 1 3 | 0 52 | 2 46 | 20 54 | 0 38 | 9 30 | 1 13 | 26 39 | 4 33 | 21 50 | 22 1 | 21 56 | 12 42 | 0 20 |
| F 21 | 1 56 | 15 58 | 4 4 | 10 32 | 1 52 | 13 50 | 0 36 | 25 48 | 2 14 | 18 15 | 1 3 | 0 54 | 2 46 | 20 54 | 0 38 | 9 31 | 1 13 | 26 39 | 4 33 | 21 50 | 22 0 | 21 56 | 12 43 | 0 20 |
| S 22 | 2 19 | 12 14 | 4 38 | 11 15 | 2 2 | 13 30 | 0 39 | 25 46 | 2 13 | 18 15 | 1 3 | 0 56 | 2 46 | 20 54 | 0 38 | 9 31 | 1 13 | 26 39 | 4 33 | 21 49 | 22 0 | 21 56 | 12 45 | 0 20 |
| S 23 | 2 42 | 7 48 | 4 59 | 11 56 | 2 11 | 13 8 | 0 42 | 25 45 | 2 12 | 18 14 | 1 3 | 0 57 | 2 46 | 20 54 | 0 38 | 9 32 | 1 13 | 26 39 | 4 33 | 21 47 | 21 59 | 21 57 | 12 46 | 0 20 |
| M24 | 3 6 | 2 53 | 5 4 | 12 34 | 2 20 | 12 47 | 0 46 | 25 44 | 2 11 | 18 13 | 1 4 | 0 59 | 2 46 | 20 55 | 0 38 | 9 32 | 1 13 | 26 39 | 4 33 | 21 46 | 21 59 | 21 57 | 12 47 | 0 20 |
| T 25 | 3 29 | 2s19 | 4 52 | 13 9 | 2 28 | 12 25 | 0 49 | 25 42 | 2 11 | 18 12 | 1 4 | 1 1 | 2 46 | 20 55 | 0 38 | 9 33 | 1 13 | 26 39 | 4 33 | 21 44 | 21 58 | 21 57 | 12 48 | 0 20 |
| W26 | 3 52 | 7 32 | 4 21 | 13 41 | 2 35 | 12 3 | 0 52 | 25 40 | 2 10 | 18 12 | 1 4 | 1 3 | 2 46 | 20 55 | 0 38 | 9 33 | 1 13 | 26 39 | 4 33 | 21 43 | 21 58 | 21 57 | 12 49 | 0 20 |
| T 27 | 4 15 | 12 25 | 3 33 | 14 11 | 2 42 | 11 40 | 0 55 | 25 39 | 2 9 | 18 11 | 1 4 | 1 5 | 2 46 | 20 55 | 0 38 | 9 34 | 1 13 | 26 39 | 4 33 | 21 42 | 21 57 | 21 57 | 12 50 | 0 20 |
| F 28 | 4 38 | 16 37 | 2 31 | 14 37 | 2 48 | 11 17 | 0 57 | 25 37 | 2 8 | 18 10 | 1 4 | 1 7 | 2 46 | 20 55 | 0 38 | 9 34 | 1 13 | 26 39 | 4 33 | 21 41 | 21 57 | 21 57 | 12 52 | 0 21 |
| S 29 | 5 1 | 19 47 | 1 19 | 15 1 | 2 52 | 10 54 | 1 0 | 25 35 | 2 7 | 18 9 | 1 4 | 1 8 | 2 46 | 20 55 | 0 38 | 9 35 | 1 13 | 26 39 | 4 33 | 21 40 | 21 56 | 21 57 | 12 53 | 0 21 |
| S 30 | 5 24 | 21 39 | 0 1 | 15 21 | 2 56 | 10 30 | 1 3 | 25 33 | 2 6 | 18 8 | 1 4 | 1 10 | 2 46 | 20 55 | 0 38 | 9 35 | 1 13 | 26 38 | 4 33 | 21 40 | 21 56 | 21 58 | 12 54 | 0 21 |
| M31 | 5n47 | 22s 3 | 1n15 | 15n38 | 2n58 | 10s 6 | 1s 5 | 25n31 | 2n 5 | 18s 7 | 1n 4 | 1n12 | 2n46 | 20n55 | 0n38 | 9n36 | 1n13 | 26n38 | 4n33 | 21s40 | 21s55 | 21n58 | 12n55 | 0s21 |

Julian Day Number = 2068469.5, Delta T = 28m45s
Ecliptic obliquity = 23°34'28, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'24, Lahiri = 9°14'25 Julian Calendar 1 March 951 == Greg. Calendar 6 March 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## APRIL 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 54 52 | 15♈34'03 | 5♉45 | 4♉24 | 7♓54 | 6♋51 | 25°R 2 | 3°R17 | 29°R52 | 8°R22 | 19♋33 | 7♐25 | 8♐55 | 9♊44 | 5♉ 1 | T 1 |
| W 2 | 12 58 49 | 16°32'29 | 19°45 | 4°55 | 9° 5 | 7°21 | 24♏58 | 3♎12 | 29♋52 | 8♏21 | 19°33 | 7°R25 | 8°52 | 9°50 | 5° 5 | W 2 |
| T 3 | 13 2 45 | 17°30'54 | 3♒31 | 5°20 | 10°16 | 7°50 | 24°53 | 3° 8 | 29°D52 | 8°19 | 19°33 | 7°24 | 8°49 | 9°57 | 5° 9 | T 3 |
| F 4 | 13 6 42 | 18°29'17 | 17° 3 | 5°40 | 11°27 | 8°19 | 24°48 | 3° 3 | 29°52 | 8°18 | 19°34 | 7°21 | 8°46 | 10° 4 | 5°13 | F 4 |
| S 5 | 13 10 38 | 19°27'38 | 0♓23 | 5°54 | 12°38 | 8°49 | 24°43 | 2°59 | 29°52 | 8°17 | 19°34 | 7°16 | 8°43 | 10°10 | 5°17 | S 5 |
| S 6 | 13 14 35 | 20°25'58 | 13°30 | 6° 2 | 13°49 | 9°18 | 24°38 | 2°55 | 29°52 | 8°16 | 19°34 | 7° 9 | 8°39 | 10°17 | 5°21 | S 6 |
| M 7 | 13 18 32 | 21°24'15 | 26°24 | 6°R 4 | 15° 0 | 9°48 | 24°33 | 2°50 | 29°52 | 8°15 | 19°34 | 7° 1 | 8°36 | 10°24 | 5°25 | M 7 |
| T 8 | 13 22 28 | 22°22'32 | 9♈ 5 | 6° 1 | 16°11 | 10°18 | 24°28 | 2°46 | 29°52 | 8°14 | 19°35 | 6°52 | 8°33 | 10°30 | 5°29 | T 8 |
| W 9 | 13 26 25 | 23°20'46 | 21°33 | 5°52 | 17°22 | 10°48 | 24°22 | 2°42 | 29°53 | 8°13 | 19°35 | 6°45 | 8°30 | 10°37 | 5°33 | W 9 |
| T 10 | 13 30 21 | 24°18'59 | 3♉49 | 5°39 | 18°33 | 11°19 | 24°17 | 2°38 | 29°53 | 8°12 | 19°35 | 6°39 | 8°27 | 10°44 | 5°37 | T 10 |
| F 11 | 13 34 18 | 25°17'10 | 15°55 | 5°21 | 19°45 | 11°49 | 24°11 | 2°34 | 29°54 | 8°11 | 19°36 | 6°35 | 8°24 | 10°50 | 5°41 | F 11 |
| S 12 | 13 38 14 | 26°15'19 | 27°51 | 4°59 | 20°56 | 12°19 | 24° 5 | 2°30 | 29°54 | 8°10 | 19°36 | 6°33 | 8°20 | 10°57 | 5°45 | S 12 |
| S 13 | 13 42 11 | 27°13'26 | 9♊41 | 4°32 | 22° 7 | 12°50 | 23°59 | 2°26 | 29°55 | 8° 9 | 19°36 | 6°D33 | 8°17 | 11° 4 | 5°49 | S 13 |
| M14 | 13 46 7 | 28°11'31 | 21°28 | 4° 3 | 23°18 | 13°21 | 23°53 | 2°22 | 29°55 | 8° 8 | 19°37 | 6°33 | 8°14 | 11°10 | 5°53 | M14 |
| T 15 | 13 50 4 | 29° 9'34 | 3♋16 | 3°31 | 24°30 | 13°52 | 23°47 | 2°18 | 29°56 | 8° 7 | 19°37 | 6°35 | 8°11 | 11°17 | 5°57 | T 15 |
| W16 | 13 54 1 | 0♉ 7'36 | 15°10 | 2°57 | 25°41 | 14°23 | 23°41 | 2°14 | 29°57 | 8° 6 | 19°38 | 6°37 | 8° 8 | 11°24 | 6° 1 | W16 |
| T 17 | 13 57 57 | 1° 5'36 | 27°14 | 2°21 | 26°53 | 14°54 | 23°34 | 2°10 | 29°57 | 8° 5 | 19°38 | 6°R38 | 8° 4 | 11°30 | 6° 5 | T 17 |
| F 18 | 14 1 54 | 2° 3'33 | 9♌34 | 1°44 | 28° 4 | 15°25 | 23°28 | 2° 7 | 29°58 | 8° 4 | 19°39 | 6°37 | 8° 1 | 11°37 | 6° 9 | F 18 |
| S 19 | 14 5 50 | 3° 1'29 | 22°14 | 1° 7 | 29°16 | 15°56 | 23°21 | 2° 3 | 29°59 | 8° 3 | 19°39 | 6°36 | 7°58 | 11°43 | 6°13 | S 19 |
| S 20 | 14 9 47 | 3°59'23 | 5♍18 | 0°31 | 0♈27 | 16°28 | 23°14 | 2° 0 | 29°59 | 8° 2 | 19°40 | 6°33 | 7°55 | 11°50 | 6°17 | S 20 |
| M21 | 14 13 43 | 4°57'15 | 18°49 | 29♈55 | 1°39 | 16°59 | 23° 7 | 1°56 | 0♌ 1 | 8° 2 | 19°40 | 6°29 | 7°52 | 11°57 | 6°21 | M21 |
| T 22 | 14 17 40 | 5°55'05 | 2♎47 | 29°21 | 2°50 | 17°31 | 23° 0 | 1°53 | 0° 2 | 8° 1 | 19°41 | 6°24 | 7°49 | 12° 3 | 6°25 | T 22 |
| W23 | 14 21 36 | 6°52'53 | 17° 9 | 28°50 | 4° 2 | 18° 3 | 22°53 | 1°49 | 0° 3 | 8° 0 | 19°42 | 6°20 | 7°45 | 12°10 | 6°29 | W23 |
| T 24 | 14 25 33 | 7°50'40 | 1♏51 | 28°21 | 5°13 | 18°34 | 22°46 | 1°46 | 0° 4 | 8° 0 | 19°42 | 6°16 | 7°42 | 12°17 | 6°33 | T 24 |
| F 25 | 14 29 29 | 8°48'25 | 16°46 | 27°55 | 6°25 | 19° 6 | 22°39 | 1°43 | 0° 5 | 7°59 | 19°43 | 6°14 | 7°39 | 12°23 | 6°37 | F 25 |
| S 26 | 14 33 26 | 9°46'10 | 1♐46 | 27°33 | 7°37 | 19°38 | 22°32 | 1°40 | 0° 6 | 7°58 | 19°44 | 6°D13 | 7°36 | 12°30 | 6°41 | S 26 |
| S 27 | 14 37 23 | 10°43'52 | 16°42 | 27°14 | 8°48 | 20°11 | 22°25 | 1°37 | 0° 8 | 7°58 | 19°44 | 6°13 | 7°33 | 12°37 | 6°45 | S 27 |
| M28 | 14 41 19 | 11°41'34 | 1♑27 | 27° 0 | 10° 0 | 20°43 | 22°17 | 1°34 | 0° 9 | 7°57 | 19°45 | 6°14 | 7°30 | 12°43 | 6°49 | M28 |
| T 29 | 14 45 16 | 12°39'14 | 15°56 | 26°50 | 11°12 | 21°15 | 22°10 | 1°31 | 0°10 | 7°57 | 19°46 | 6°16 | 7°26 | 12°50 | 6°53 | T 29 |
| W30 | 14 49 12 | 13♉36'54 | 0♒ 6 | 26♈44 | 12♈24 | 21♋48 | 22♏ 3 | 1♎28 | 0♌12 | 7♍56 | 19♋47 | 6♐17 | 7♐23 | 12♊57 | 6♉57 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n10 | 21s 0 | 2n27 | 15n52 | 3n 0 | 9s42 | 1s 8 | 25n28 | 2n 5 | 18s 6 | 1n 4 | 1n14 | 2n46 | 20n55 | 0n38 | 9n36 | 1n13 | 26n38 | 4n33 | 21s40 | 21s55 | 21n58 | 12n57 | 0s21 |
| W 2 | 6 32 | 18 41 | 3 28 | 16 3 | 3 0 | 9 18 | 1 10 | 25 26 | 2 4 | 18 5 | 1 4 | 1 15 | 2 46 | 20 55 | 0 38 | 9 37 | 1 13 | 26 38 | 4 33 | 21 40 | 21 54 | 21 58 | 12 58 | 0 21 |
| T 3 | 6 55 | 15 20 | 4 16 | 16 11 | 2 59 | 8 53 | 1 13 | 25 23 | 2 3 | 18 4 | 1 4 | 1 17 | 2 46 | 20 55 | 0 38 | 9 37 | 1 13 | 26 38 | 4 33 | 21 40 | 21 54 | 21 58 | 12 59 | 0 21 |
| F 4 | 7 17 | 11 13 | 4 49 | 16 15 | 2 57 | 8 28 | 1 15 | 25 21 | 2 2 | 18 2 | 1 4 | 1 19 | 2 46 | 20 55 | 0 38 | 9 38 | 1 13 | 26 38 | 4 33 | 21 40 | 21 53 | 21 58 | 13 0 | 0 21 |
| S 5 | 7 39 | 6 38 | 5 6 | 16 17 | 2 53 | 8 3 | 1 17 | 25 18 | 2 1 | 18 1 | 1 4 | 1 20 | 2 46 | 20 55 | 0 38 | 9 38 | 1 13 | 26 38 | 4 33 | 21 39 | 21 53 | 21 58 | 13 2 | 0 21 |
| S 6 | 8 2 | 1 49 | 5 6 | 16 15 | 2 48 | 7 37 | 1 19 | 25 15 | 2 1 | 18 0 | 1 4 | 1 22 | 2 46 | 20 55 | 0 38 | 9 38 | 1 13 | 26 38 | 4 33 | 21 38 | 21 52 | 21 58 | 13 3 | 0 21 |
| M 7 | 8 24 | 3n 0 | 4 51 | 16 10 | 2 42 | 7 12 | 1 22 | 25 12 | 2 0 | 17 59 | 1 4 | 1 24 | 2 46 | 20 55 | 0 38 | 9 39 | 1 13 | 26 38 | 4 33 | 21 36 | 21 52 | 21 58 | 13 4 | 0 21 |
| T 8 | 8 45 | 7 37 | 4 21 | 16 2 | 2 35 | 6 46 | 1 23 | 25 9 | 1 59 | 17 57 | 1 4 | 1 25 | 2 46 | 20 54 | 0 38 | 9 39 | 1 13 | 26 38 | 4 33 | 21 35 | 21 51 | 21 58 | 13 5 | 0 21 |
| W 9 | 9 7 | 11 50 | 3 40 | 15 51 | 2 26 | 6 20 | 1 25 | 25 6 | 1 58 | 17 56 | 1 4 | 1 27 | 2 45 | 20 54 | 0 38 | 9 40 | 1 13 | 26 38 | 4 32 | 21 34 | 21 51 | 21 59 | 13 7 | 0 21 |
| T 10 | 9 29 | 15 30 | 2 48 | 15 37 | 2 16 | 5 53 | 1 27 | 25 2 | 1 57 | 17 55 | 1 4 | 1 28 | 2 45 | 20 54 | 0 38 | 9 40 | 1 13 | 26 38 | 4 32 | 21 33 | 21 50 | 21 59 | 13 8 | 0 21 |
| F 11 | 9 50 | 18 27 | 1 50 | 15 21 | 2 5 | 5 27 | 1 29 | 24 59 | 1 57 | 17 53 | 1 4 | 1 30 | 2 45 | 20 54 | 0 38 | 9 40 | 1 13 | 26 37 | 4 32 | 21 32 | 21 50 | 21 59 | 13 9 | 0 22 |
| S 12 | 10 11 | 20 33 | 0 47 | 15 1 | 1 53 | 5 0 | 1 31 | 24 55 | 1 56 | 17 52 | 1 4 | 1 32 | 2 45 | 20 54 | 0 38 | 9 41 | 1 13 | 26 37 | 4 32 | 21 31 | 21 49 | 21 59 | 13 10 | 0 22 |
| S 13 | 10 33 | 21 45 | 0s17 | 14 40 | 1 40 | 4 33 | 1 32 | 24 52 | 1 55 | 17 50 | 1 4 | 1 33 | 2 45 | 20 54 | 0 38 | 9 41 | 1 13 | 26 37 | 4 32 | 21 31 | 21 49 | 21 59 | 13 12 | 0 22 |
| M14 | 10 53 | 21 57 | 1 21 | 14 16 | 1 25 | 4 6 | 1 34 | 24 48 | 1 54 | 17 49 | 1 4 | 1 35 | 2 45 | 20 54 | 0 38 | 9 41 | 1 13 | 26 37 | 4 32 | 21 32 | 21 48 | 21 59 | 13 13 | 0 22 |
| T 15 | 11 14 | 21 11 | 2 21 | 13 51 | 1 10 | 3 39 | 1 35 | 24 44 | 1 54 | 17 47 | 1 4 | 1 36 | 2 45 | 20 54 | 0 38 | 9 42 | 1 13 | 26 37 | 4 32 | 21 32 | 21 48 | 21 59 | 13 14 | 0 22 |
| W16 | 11 35 | 19 28 | 3 15 | 13 24 | 0 54 | 3 12 | 1 36 | 24 40 | 1 53 | 17 46 | 1 4 | 1 37 | 2 45 | 20 53 | 0 38 | 9 42 | 1 13 | 26 37 | 4 32 | 21 32 | 21 47 | 21 59 | 13 15 | 0 22 |
| T 17 | 11 55 | 16 52 | 4 2 | 12 56 | 0 37 | 2 44 | 1 38 | 24 36 | 1 52 | 17 44 | 1 4 | 1 39 | 2 45 | 20 53 | 0 38 | 9 42 | 1 12 | 26 37 | 4 32 | 21 32 | 21 47 | 21 59 | 13 17 | 0 22 |
| F 18 | 12 15 | 13 29 | 4 39 | 12 28 | 0 21 | 2 17 | 1 39 | 24 31 | 1 51 | 17 42 | 1 4 | 1 40 | 2 44 | 20 53 | 0 38 | 9 43 | 1 12 | 26 37 | 4 32 | 21 32 | 21 46 | 21 59 | 13 18 | 0 22 |
| S 19 | 12 35 | 9 24 | 5 3 | 11 59 | 0 3 | 1 49 | 1 40 | 24 27 | 1 51 | 17 41 | 1 4 | 1 41 | 2 44 | 20 53 | 0 38 | 9 43 | 1 12 | 26 37 | 4 32 | 21 32 | 21 46 | 21 59 | 13 19 | 0 22 |
| S 20 | 12 55 | 4 46 | 5 13 | 11 30 | 0s14 | 1 21 | 1 41 | 24 22 | 1 50 | 17 39 | 1 4 | 1 43 | 2 44 | 20 53 | 0 38 | 9 43 | 1 12 | 26 36 | 4 32 | 21 31 | 21 45 | 21 59 | 13 20 | 0 22 |
| M21 | 13 15 | 0s14 | 5 6 | 11 1 | 0 31 | 0 54 | 1 42 | 24 17 | 1 49 | 17 37 | 1 4 | 1 44 | 2 44 | 20 52 | 0 37 | 9 43 | 1 12 | 26 36 | 4 32 | 21 31 | 21 45 | 21 59 | 13 22 | 0 22 |
| T 22 | 13 34 | 5 24 | 4 41 | 10 33 | 0 48 | 0 26 | 1 42 | 24 13 | 1 48 | 17 36 | 1 4 | 1 45 | 2 44 | 20 52 | 0 37 | 9 44 | 1 12 | 26 36 | 4 32 | 21 30 | 21 44 | 21 59 | 13 23 | 0 22 |
| W23 | 13 53 | 10 25 | 3 57 | 10 7 | 1 5 | 0n 2 | 1 43 | 24 8 | 1 48 | 17 34 | 1 4 | 1 46 | 2 44 | 20 52 | 0 37 | 9 44 | 1 12 | 26 36 | 4 32 | 21 29 | 21 44 | 21 59 | 13 24 | 0 22 |
| T 24 | 14 12 | 14 57 | 2 58 | 9 41 | 1 21 | 0 30 | 1 44 | 24 3 | 1 47 | 17 32 | 1 4 | 1 48 | 2 44 | 20 52 | 0 37 | 9 44 | 1 12 | 26 36 | 4 32 | 21 29 | 21 43 | 21 59 | 13 25 | 0 23 |
| F 25 | 14 31 | 18 37 | 1 45 | 9 18 | 1 36 | 0 58 | 1 44 | 23 57 | 1 46 | 17 30 | 1 4 | 1 49 | 2 43 | 20 51 | 0 37 | 9 44 | 1 12 | 26 36 | 4 32 | 21 28 | 21 43 | 21 59 | 13 27 | 0 23 |
| S 26 | 14 49 | 21 2 | 0 24 | 8 56 | 1 51 | 1 26 | 1 45 | 23 52 | 1 45 | 17 29 | 1 4 | 1 50 | 2 43 | 20 51 | 0 37 | 9 45 | 1 12 | 26 36 | 4 32 | 21 28 | 21 42 | 21 59 | 13 28 | 0 23 |
| S 27 | 15 8 | 21 57 | 0n57 | 8 36 | 2 5 | 1 54 | 1 45 | 23 46 | 1 45 | 17 27 | 1 4 | 1 51 | 2 43 | 20 51 | 0 37 | 9 45 | 1 12 | 26 35 | 4 32 | 21 28 | 21 42 | 21 59 | 13 29 | 0 23 |
| M28 | 15 26 | 21 19 | 2 15 | 8 19 | 2 18 | 2 22 | 1 45 | 23 41 | 1 44 | 17 25 | 1 4 | 1 52 | 2 43 | 20 50 | 0 37 | 9 45 | 1 12 | 26 35 | 4 32 | 21 28 | 21 41 | 21 59 | 13 31 | 0 23 |
| T 29 | 15 43 | 19 17 | 3 22 | 8 4 | 2 30 | 2 50 | 1 46 | 23 35 | 1 43 | 17 23 | 1 4 | 1 53 | 2 43 | 20 50 | 0 37 | 9 45 | 1 12 | 26 35 | 4 32 | 21 28 | 21 40 | 21 59 | 13 32 | 0 23 |
| W30 | 16n 1 | 16s 6 | 4n15 | 7n52 | 2s41 | 3n18 | 1s46 | 23n29 | 1n43 | 17s21 | 1n 4 | 1n54 | 2n43 | 20n50 | 0n37 | 9n45 | 1n12 | 26n35 | 4n32 | 21s29 | 21s40 | 21n59 | 13n33 | 0s23 |

Julian Day Number = 2068500.5, Delta T = 28m44s
Ecliptic obliquity = 23°34'27, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'28, Lahiri = 9°14'29 Julian Calendar 1 Apr. 951 == Greg. Calendar 6 Apr. 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## MAY 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 53 9 | 14♉34'32 | 13♒54 | 26°D43 | 13♈35 | 22♋20 | 21°R55 | 1°R25 | 0♌13 | 7°R56 | 19♋48 | 6°R17 | 7♐20 | 13♊ 3 | 7♉ 1 | T 1 |
| F 2 | 14 57 5 | 15°32'09 | 27°23 | 26♈47 | 14°47 | 22°53 | 21♏48 | 1♎22 | 0°15 | 7♍55 | 19°49 | 6♐17 | 7°17 | 13°10 | 7° 5 | F 2 |
| S 3 | 15 1 2 | 16°29'46 | 10♓32 | 26°55 | 15°59 | 23°25 | 21°40 | 1°20 | 0°16 | 7°55 | 19°49 | 6°15 | 7°14 | 13°16 | 7° 9 | S 3 |
| S 4 | 15 4 59 | 17°27'21 | 23°24 | 27° 7 | 17°11 | 23°58 | 21°32 | 1°17 | 0°18 | 7°55 | 19°50 | 6°13 | 7°10 | 13°23 | 7°13 | S 4 |
| M 5 | 15 8 55 | 18°24'55 | 6♈ 1 | 27°24 | 18°23 | 24°31 | 21°25 | 1°15 | 0°19 | 7°54 | 19°51 | 6°11 | 7° 7 | 13°30 | 7°17 | M 5 |
| T 6 | 15 12 52 | 19°22'28 | 18°25 | 27°45 | 19°35 | 25° 4 | 21°17 | 1°13 | 0°21 | 7°54 | 19°52 | 6° 8 | 7° 4 | 13°36 | 7°21 | T 6 |
| W 7 | 15 16 48 | 20°20'00 | 0♉37 | 28°11 | 20°47 | 25°37 | 21°10 | 1°10 | 0°23 | 7°54 | 19°53 | 6° 6 | 7° 1 | 13°43 | 7°25 | W 7 |
| T 8 | 15 20 45 | 21°17'31 | 12°40 | 28°41 | 21°59 | 26°10 | 21° 2 | 1° 8 | 0°25 | 7°54 | 19°54 | 6° 4 | 6°58 | 13°50 | 7°29 | T 8 |
| F 9 | 15 24 41 | 22°15'02 | 24°36 | 29°15 | 23°11 | 26°43 | 20°54 | 1° 6 | 0°27 | 7°53 | 19°55 | 6° 3 | 6°55 | 13°56 | 7°33 | F 9 |
| S 10 | 15 28 38 | 23°12'31 | 6♊27 | 29°53 | 24°23 | 27°17 | 20°47 | 1° 4 | 0°28 | 7°53 | 19°56 | 6°D 3 | 6°51 | 14° 3 | 7°37 | S 10 |
| S 11 | 15 32 34 | 24° 9'59 | 18°14 | 0♉35 | 25°35 | 27°50 | 20°39 | 1° 2 | 0°30 | 7°53 | 19°57 | 6° 3 | 6°48 | 14°10 | 7°41 | S 11 |
| M12 | 15 36 31 | 25° 7'25 | 0♋ 1 | 1°20 | 26°47 | 28°24 | 20°31 | 1° 1 | 0°32 | 7°53 | 19°58 | 6° 4 | 6°45 | 14°16 | 7°45 | M12 |
| T 13 | 15 40 28 | 26° 4'51 | 11°50 | 2°10 | 27°59 | 28°57 | 20°24 | 0°59 | 0°34 | 7°53 | 19°59 | 6° 5 | 6°42 | 14°23 | 7°49 | T 13 |
| W14 | 15 44 24 | 27° 2'16 | 23°46 | 3° 3 | 29°11 | 29°31 | 20°16 | 0°57 | 0°36 | 7°53 | 20° 1 | 6° 6 | 6°39 | 14°30 | 7°53 | W14 |
| T 15 | 15 48 21 | 27°59'39 | 5♌52 | 3°59 | 0♉24 | 0♌ 5 | 20° 9 | 0°56 | 0°39 | 7°D53 | 20° 2 | 6° 7 | 6°36 | 14°36 | 7°57 | T 15 |
| F 16 | 15 52 17 | 28°57'01 | 18°11 | 4°59 | 1°36 | 0°38 | 20° 1 | 0°54 | 0°41 | 7°53 | 20° 3 | 6° 7 | 6°32 | 14°43 | 8° 1 | F 16 |
| S 17 | 15 56 14 | 29°54'22 | 0♍49 | 6° 2 | 2°48 | 1°12 | 19°54 | 0°53 | 0°43 | 7°53 | 20° 4 | 6°R 7 | 6°29 | 14°50 | 8° 4 | S 17 |
| S 18 | 16 0 10 | 0♊51'42 | 13°49 | 7° 9 | 4° 0 | 1°46 | 19°46 | 0°52 | 0°45 | 7°53 | 20° 5 | 6° 7 | 6°26 | 14°56 | 8° 8 | S 18 |
| M19 | 16 4 7 | 1°49'00 | 27°14 | 8°19 | 5°12 | 2°20 | 19°39 | 0°51 | 0°47 | 7°53 | 20° 6 | 6° 7 | 6°23 | 15° 3 | 8°12 | M19 |
| T 20 | 16 8 3 | 2°46'18 | 11♎ 6 | 9°32 | 6°25 | 2°54 | 19°32 | 0°50 | 0°50 | 7°53 | 20° 8 | 6° 6 | 6°20 | 15° 9 | 8°16 | T 20 |
| W21 | 16 12 0 | 3°43'35 | 25°24 | 10°48 | 7°37 | 3°28 | 19°24 | 0°49 | 0°52 | 7°53 | 20° 9 | 6° 6 | 6°16 | 15°16 | 8°20 | W21 |
| T 22 | 16 15 56 | 4°40'51 | 10♏ 5 | 12° 7 | 8°49 | 4° 3 | 19°17 | 0°48 | 0°54 | 7°54 | 20°10 | 6° 6 | 6°13 | 15°23 | 8°23 | T 22 |
| F 23 | 16 19 53 | 5°38'06 | 25° 5 | 13°30 | 10° 1 | 4°37 | 19°10 | 0°47 | 0°57 | 7°54 | 20°11 | 6°D 6 | 6°10 | 15°29 | 8°27 | F 23 |
| S 24 | 16 23 50 | 6°35'20 | 10♐15 | 14°55 | 11°14 | 5°11 | 19° 3 | 0°47 | 0°59 | 7°54 | 20°13 | 6°R 6 | 6° 7 | 15°36 | 8°31 | S 24 |
| S 25 | 16 27 46 | 7°32'34 | 25°26 | 16°23 | 12°26 | 5°46 | 18°56 | 0°46 | 1° 2 | 7°54 | 20°14 | 6° 6 | 6° 4 | 15°43 | 8°34 | S 25 |
| M26 | 16 31 43 | 8°29'47 | 10♑28 | 17°55 | 13°38 | 6°20 | 18°49 | 0°46 | 1° 4 | 7°55 | 20°15 | 6° 6 | 6° 1 | 15°49 | 8°38 | M26 |
| T 27 | 16 35 39 | 9°27'00 | 25°14 | 19°29 | 14°51 | 6°55 | 18°43 | 0°45 | 1° 7 | 7°55 | 20°17 | 6° 5 | 5°57 | 15°56 | 8°42 | T 27 |
| W28 | 16 39 36 | 10°24'12 | 9♒37 | 21° 6 | 16° 3 | 7°29 | 18°36 | 0°45 | 1°10 | 7°56 | 20°18 | 6° 5 | 5°54 | 16° 3 | 8°45 | W28 |
| T 29 | 16 43 32 | 11°21'24 | 23°36 | 22°46 | 17°16 | 8° 4 | 18°29 | 0°45 | 1°12 | 7°56 | 20°19 | 6° 5 | 5°51 | 16° 9 | 8°49 | T 29 |
| F 30 | 16 47 29 | 12°18'36 | 7♓ 9 | 24°29 | 18°28 | 8°39 | 18°23 | 0°D45 | 1°15 | 7°57 | 20°21 | 6°D 4 | 5°48 | 16°16 | 8°52 | F 30 |
| S 31 | 16 51 26 | 13♊15'48 | 20♓17 | 26♉15 | 19♉41 | 9♌14 | 18♏17 | 0♎45 | 1♌18 | 7♍57 | 20♋22 | 6♐ 4 | 5♐45 | 16♊23 | 8♉56 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n18 | 12s 5 | 4n52 | 7n42 | 2s51 | 3n46 | 1s46 | 23n23 | 1n42 | 17s19 | 1n 4 | 1n55 | 2n42 | 20n49 | 0n37 | 9n45 | 1n12 | 26n35 | 4n31 | 21s29 | 21s39 | 21n59 | 13n34 | 0s23 |
| F 2 | 16 35 | 7 34 | 5 12 | 7 35 | 3 0 | 4 14 | 1 46 | 23 17 | 1 41 | 17 18 | 1 4 | 1 56 | 2 42 | 20 49 | 0 37 | 9 46 | 1 12 | 26 35 | 4 31 | 21 29 | 21 39 | 21 59 | 13 36 | 0 23 |
| S 3 | 16 52 | 2 48 | 5 15 | 7 30 | 3 8 | 4 42 | 1 46 | 23 11 | 1 40 | 17 16 | 1 4 | 1 57 | 2 42 | 20 49 | 0 37 | 9 46 | 1 12 | 26 34 | 4 31 | 21 28 | 21 38 | 21 59 | 13 37 | 0 23 |
| S 4 | 17 8 | 1n59 | 5 2 | 7 28 | 3 15 | 5 10 | 1 46 | 23 4 | 1 40 | 17 14 | 1 3 | 1 57 | 2 42 | 20 48 | 0 37 | 9 46 | 1 12 | 26 34 | 4 31 | 21 28 | 21 38 | 21 59 | 13 38 | 0 23 |
| M 5 | 17 24 | 6 35 | 4 34 | 7 29 | 3 21 | 5 37 | 1 45 | 22 58 | 1 39 | 17 12 | 1 3 | 1 58 | 2 42 | 20 48 | 0 37 | 9 46 | 1 12 | 26 34 | 4 31 | 21 28 | 21 37 | 21 59 | 13 39 | 0 23 |
| T 6 | 17 40 | 10 51 | 3 54 | 7 32 | 3 26 | 6 5 | 1 45 | 22 51 | 1 38 | 17 10 | 1 3 | 1 59 | 2 41 | 20 48 | 0 37 | 9 46 | 1 12 | 26 34 | 4 31 | 21 27 | 21 37 | 21 59 | 13 40 | 0 23 |
| W 7 | 17 56 | 14 37 | 3 4 | 7 38 | 3 30 | 6 32 | 1 45 | 22 44 | 1 38 | 17 8 | 1 3 | 2 0 | 2 41 | 20 47 | 0 37 | 9 46 | 1 12 | 26 34 | 4 31 | 21 27 | 21 36 | 21 59 | 13 42 | 0 24 |
| T 8 | 18 11 | 17 44 | 2 6 | 7 45 | 3 32 | 7 0 | 1 44 | 22 37 | 1 37 | 17 6 | 1 3 | 2 0 | 2 41 | 20 47 | 0 37 | 9 46 | 1 12 | 26 34 | 4 31 | 21 27 | 21 36 | 21 59 | 13 43 | 0 24 |
| F 9 | 18 26 | 20 3 | 1 3 | 7 55 | 3 34 | 7 27 | 1 44 | 22 30 | 1 36 | 17 4 | 1 3 | 2 1 | 2 41 | 20 46 | 0 37 | 9 46 | 1 12 | 26 33 | 4 31 | 21 26 | 21 35 | 21 58 | 13 44 | 0 24 |
| S 10 | 18 41 | 21 28 | 0s 2 | 8 8 | 3 36 | 7 54 | 1 43 | 22 23 | 1 35 | 17 2 | 1 3 | 2 2 | 2 41 | 20 46 | 0 37 | 9 46 | 1 12 | 26 33 | 4 31 | 21 26 | 21 35 | 21 58 | 13 45 | 0 24 |
| S 11 | 18 55 | 21 56 | 1 7 | 8 22 | 3 36 | 8 21 | 1 42 | 22 16 | 1 35 | 17 0 | 1 3 | 2 2 | 2 40 | 20 45 | 0 37 | 9 46 | 1 12 | 26 33 | 4 31 | 21 26 | 21 34 | 21 58 | 13 47 | 0 24 |
| M12 | 19 9 | 21 25 | 2 9 | 8 38 | 3 35 | 8 48 | 1 42 | 22 8 | 1 34 | 16 59 | 1 3 | 2 3 | 2 40 | 20 45 | 0 37 | 9 46 | 1 12 | 26 33 | 4 31 | 21 26 | 21 34 | 21 58 | 13 48 | 0 24 |
| T 13 | 19 23 | 19 57 | 3 6 | 8 57 | 3 34 | 9 15 | 1 41 | 22 0 | 1 33 | 16 57 | 1 2 | 2 3 | 2 40 | 20 44 | 0 37 | 9 46 | 1 12 | 26 33 | 4 31 | 21 27 | 21 33 | 21 58 | 13 49 | 0 24 |
| W14 | 19 36 | 17 36 | 3 55 | 9 17 | 3 32 | 9 41 | 1 40 | 21 53 | 1 33 | 16 55 | 1 2 | 2 3 | 2 40 | 20 44 | 0 37 | 9 46 | 1 12 | 26 32 | 4 31 | 21 27 | 21 32 | 21 58 | 13 50 | 0 24 |
| T 15 | 19 49 | 14 28 | 4 35 | 9 39 | 3 29 | 10 8 | 1 39 | 21 45 | 1 32 | 16 53 | 1 2 | 2 4 | 2 39 | 20 44 | 0 37 | 9 46 | 1 12 | 26 32 | 4 31 | 21 27 | 21 32 | 21 58 | 13 51 | 0 24 |
| F 16 | 20 2 | 10 40 | 5 2 | 10 2 | 3 25 | 10 34 | 1 38 | 21 37 | 1 31 | 16 51 | 1 2 | 2 4 | 2 39 | 20 43 | 0 37 | 9 46 | 1 12 | 26 32 | 4 31 | 21 27 | 21 31 | 21 58 | 13 52 | 0 24 |
| S 17 | 20 15 | 6 19 | 5 16 | 10 27 | 3 21 | 11 0 | 1 37 | 21 29 | 1 31 | 16 49 | 1 2 | 2 5 | 2 39 | 20 43 | 0 37 | 9 46 | 1 12 | 26 32 | 4 31 | 21 27 | 21 31 | 21 58 | 13 54 | 0 24 |
| S 18 | 20 27 | 1 33 | 5 15 | 10 54 | 3 16 | 11 25 | 1 36 | 21 20 | 1 30 | 16 47 | 1 2 | 2 5 | 2 39 | 20 42 | 0 37 | 9 46 | 1 12 | 26 32 | 4 31 | 21 27 | 21 30 | 21 58 | 13 55 | 0 24 |
| M19 | 20 38 | 3s25 | 4 57 | 11 22 | 3 10 | 11 51 | 1 35 | 21 12 | 1 29 | 16 45 | 1 2 | 2 5 | 2 39 | 20 42 | 0 37 | 9 46 | 1 12 | 26 31 | 4 31 | 21 27 | 21 30 | 21 57 | 13 56 | 0 25 |
| T 20 | 20 50 | 8 24 | 4 21 | 11 51 | 3 3 | 12 16 | 1 33 | 21 3 | 1 29 | 16 44 | 1 1 | 2 5 | 2 38 | 20 41 | 0 37 | 9 46 | 1 12 | 26 31 | 4 31 | 21 27 | 21 29 | 21 57 | 13 57 | 0 25 |
| W21 | 21 1 | 13 6 | 3 28 | 12 21 | 2 57 | 12 41 | 1 32 | 20 55 | 1 28 | 16 42 | 1 1 | 2 5 | 2 38 | 20 40 | 0 37 | 9 46 | 1 12 | 26 31 | 4 31 | 21 27 | 21 29 | 21 57 | 13 58 | 0 25 |
| T 22 | 21 12 | 17 8 | 2 20 | 12 53 | 2 49 | 13 5 | 1 31 | 20 46 | 1 27 | 16 40 | 1 1 | 2 6 | 2 38 | 20 40 | 0 37 | 9 46 | 1 11 | 26 31 | 4 31 | 21 27 | 21 28 | 21 57 | 13 59 | 0 25 |
| F 23 | 21 22 | 20 8 | 1 1 | 13 25 | 2 41 | 13 30 | 1 29 | 20 37 | 1 27 | 16 38 | 1 1 | 2 6 | 2 38 | 20 39 | 0 37 | 9 46 | 1 11 | 26 31 | 4 31 | 21 27 | 21 28 | 21 57 | 14 0 | 0 25 |
| S 24 | 21 32 | 21 44 | 0n23 | 13 58 | 2 33 | 13 54 | 1 28 | 20 28 | 1 26 | 16 36 | 1 1 | 2 6 | 2 37 | 20 39 | 0 37 | 9 45 | 1 11 | 26 30 | 4 31 | 21 27 | 21 27 | 21 57 | 14 2 | 0 25 |
| S 25 | 21 41 | 21 44 | 1 45 | 14 32 | 2 24 | 14 17 | 1 26 | 20 19 | 1 25 | 16 35 | 1 1 | 2 6 | 2 37 | 20 38 | 0 37 | 9 45 | 1 11 | 26 30 | 4 31 | 21 27 | 21 26 | 21 57 | 14 3 | 0 25 |
| M26 | 21 51 | 20 10 | 3 0 | 15 7 | 2 14 | 14 41 | 1 24 | 20 10 | 1 25 | 16 33 | 1 0 | 2 6 | 2 37 | 20 38 | 0 37 | 9 45 | 1 11 | 26 30 | 4 31 | 21 27 | 21 26 | 21 56 | 14 4 | 0 25 |
| T 27 | 22 0 | 17 16 | 4 1 | 15 42 | 2 4 | 15 4 | 1 23 | 20 0 | 1 24 | 16 31 | 1 0 | 2 5 | 2 37 | 20 37 | 0 37 | 9 45 | 1 11 | 26 30 | 4 31 | 21 27 | 21 25 | 21 56 | 14 5 | 0 25 |
| W28 | 22 8 | 13 22 | 4 45 | 16 18 | 1 54 | 15 27 | 1 21 | 19 51 | 1 23 | 16 30 | 1 0 | 2 5 | 2 36 | 20 36 | 0 37 | 9 45 | 1 11 | 26 29 | 4 31 | 21 27 | 21 25 | 21 56 | 14 6 | 0 25 |
| T 29 | 22 16 | 8 51 | 5 10 | 16 54 | 1 44 | 15 49 | 1 19 | 19 41 | 1 23 | 16 28 | 1 0 | 2 5 | 2 36 | 20 36 | 0 37 | 9 45 | 1 11 | 26 29 | 4 31 | 21 27 | 21 24 | 21 56 | 14 7 | 0 25 |
| F 30 | 22 24 | 4 1 | 5 18 | 17 30 | 1 33 | 16 11 | 1 17 | 19 31 | 1 22 | 16 26 | 1 0 | 2 5 | 2 36 | 20 35 | 0 37 | 9 44 | 1 11 | 26 29 | 4 31 | 21 27 | 21 24 | 21 56 | 14 8 | 0 26 |
| S 31 | 22n31 | 0n51 | 5n 8 | 18n 6 | 1s22 | 16n33 | 1s16 | 19n21 | 1n21 | 16s25 | 1n 0 | 2n 5 | 2n36 | 20n35 | 0n37 | 9n44 | 1n11 | 26n29 | 4n31 | 21s27 | 21s23 | 21n56 | 14n 9 | 0s26 |

Julian Day Number = 2068530.5, Delta T = 28m44s
Ecliptic obliquity = 23°34'27, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'33, Lahiri = 9°14'33 Julian Calendar 1 May 951 == Greg. Calendar 6 May 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## JUNE 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 55 22 | 14♊13'00 | 3♈ 3 | 28♉ 3 | 20♉53 | 9♌49 | 18°R10 | 0♎45 | 1♌21 | 7♍58 | 20♋24 | 6♐ 5 | 5♐42 | 16♊29 | 9♉ 0 | S 1 |
| M 2 | 16 59 19 | 15°10'11 | 15°31 | 29°55 | 22° 6 | 10°24 | 18♏ 4 | 0°45 | 1°23 | 7°58 | 20°25 | 6° 5 | 5°38 | 16°36 | 9° 3 | M 2 |
| T 3 | 17 3 15 | 16° 7'23 | 27°44 | 1♊48 | 23°19 | 10°59 | 17°58 | 0°46 | 1°26 | 7°59 | 20°27 | 6° 6 | 5°35 | 16°43 | 9° 6 | T 3 |
| W 4 | 17 7 12 | 17° 4'34 | 9♉45 | 3°45 | 24°31 | 11°34 | 17°52 | 0°46 | 1°29 | 7°59 | 20°28 | 6° 7 | 5°32 | 16°49 | 9°10 | W 4 |
| T 5 | 17 11 8 | 18° 1'46 | 21°39 | 5°43 | 25°44 | 12° 9 | 17°47 | 0°47 | 1°32 | 8° 0 | 20°29 | 6° 8 | 5°29 | 16°56 | 9°13 | T 5 |
| F 6 | 17 15 5 | 18°58'57 | 3♊29 | 7°44 | 26°56 | 12°44 | 17°41 | 0°47 | 1°35 | 8° 1 | 20°31 | 6°R 9 | 5°26 | 17° 2 | 9°17 | F 6 |
| S 7 | 17 19 1 | 19°56'08 | 15°16 | 9°47 | 28° 9 | 13°20 | 17°35 | 0°48 | 1°38 | 8° 1 | 20°32 | 6° 8 | 5°22 | 17° 9 | 9°20 | S 7 |
| S 8 | 17 22 58 | 20°53'19 | 27° 3 | 11°52 | 29°22 | 13°55 | 17°30 | 0°49 | 1°41 | 8° 2 | 20°34 | 6° 8 | 5°19 | 17°16 | 9°23 | S 8 |
| M 9 | 17 26 55 | 21°50'30 | 8♋53 | 13°59 | 0♊35 | 14°30 | 17°25 | 0°50 | 1°44 | 8° 3 | 20°36 | 6° 6 | 5°16 | 17°22 | 9°26 | M 9 |
| T 10 | 17 30 51 | 22°47'40 | 20°48 | 16° 6 | 1°47 | 15° 6 | 17°20 | 0°51 | 1°47 | 8° 4 | 20°37 | 6° 4 | 5°13 | 17°29 | 9°30 | T 10 |
| W11 | 17 34 48 | 23°44'51 | 2♌50 | 18°15 | 3° 0 | 15°41 | 17°15 | 0°52 | 1°50 | 8° 5 | 20°39 | 6° 1 | 5°10 | 17°36 | 9°33 | W11 |
| T 12 | 17 38 44 | 24°42'01 | 15° 1 | 20°25 | 4°13 | 16°17 | 17°10 | 0°53 | 1°53 | 8° 6 | 20°40 | 5°58 | 5° 7 | 17°42 | 9°36 | T 12 |
| F 13 | 17 42 41 | 25°39'11 | 27°25 | 22°35 | 5°26 | 16°53 | 17° 6 | 0°55 | 1°56 | 8° 6 | 20°42 | 5°56 | 5° 3 | 17°49 | 9°39 | F 13 |
| S 14 | 17 46 37 | 26°36'20 | 10♍ 4 | 24°45 | 6°39 | 17°28 | 17° 1 | 0°56 | 2° 0 | 8° 7 | 20°43 | 5°54 | 5° 0 | 17°56 | 9°42 | S 14 |
| S 15 | 17 50 34 | 27°33'30 | 23° 2 | 26°56 | 7°52 | 18° 4 | 16°57 | 0°58 | 2° 3 | 8° 8 | 20°45 | 5°D53 | 4°57 | 18° 2 | 9°45 | S 15 |
| M16 | 17 54 30 | 28°30'39 | 6♎21 | 29° 5 | 9° 4 | 18°40 | 16°53 | 0°59 | 2° 6 | 8° 9 | 20°47 | 5°54 | 4°54 | 18° 9 | 9°48 | M16 |
| T 17 | 17 58 27 | 29°27'48 | 20° 3 | 1♋15 | 10°17 | 19°16 | 16°49 | 1° 1 | 2° 9 | 8°10 | 20°48 | 5°54 | 4°51 | 18°16 | 9°51 | T 17 |
| W18 | 18 2 24 | 0♋24'57 | 4♏10 | 3°23 | 11°30 | 19°52 | 16°45 | 1° 3 | 2°12 | 8°11 | 20°50 | 5°56 | 4°47 | 18°22 | 9°54 | W18 |
| T 19 | 18 6 20 | 1°22'05 | 18°40 | 5°31 | 12°43 | 20°28 | 16°41 | 1° 5 | 2°16 | 8°13 | 20°51 | 5°57 | 4°44 | 18°29 | 9°57 | T 19 |
| F 20 | 18 10 17 | 2°19'14 | 3♐31 | 7°37 | 13°56 | 21° 4 | 16°38 | 1° 7 | 2°19 | 8°14 | 20°53 | 5°R58 | 4°41 | 18°36 | 10° 0 | F 20 |
| S 21 | 18 14 13 | 3°16'24 | 18°35 | 9°42 | 15° 9 | 21°40 | 16°34 | 1° 9 | 2°22 | 8°15 | 20°55 | 5°57 | 4°38 | 18°42 | 10° 3 | S 21 |
| S 22 | 18 18 10 | 4°13'33 | 3♑46 | 11°46 | 16°22 | 22°16 | 16°31 | 1°11 | 2°26 | 8°16 | 20°56 | 5°56 | 4°35 | 18°49 | 10° 5 | S 22 |
| M23 | 18 22 6 | 5°10'42 | 18°53 | 13°48 | 17°35 | 22°53 | 16°28 | 1°14 | 2°29 | 8°17 | 20°58 | 5°53 | 4°32 | 18°56 | 10° 8 | M23 |
| T 24 | 18 26 3 | 6° 7'52 | 3♒48 | 15°48 | 18°49 | 23°29 | 16°25 | 1°16 | 2°33 | 8°18 | 21° 0 | 5°49 | 4°28 | 19° 2 | 10°11 | T 24 |
| W25 | 18 29 59 | 7° 5'03 | 18°22 | 17°47 | 20° 2 | 24° 5 | 16°23 | 1°19 | 2°36 | 8°20 | 21° 1 | 5°44 | 4°25 | 19° 9 | 10°13 | W25 |
| T 26 | 18 33 56 | 8° 2'14 | 2♓30 | 19°44 | 21°15 | 24°42 | 16°20 | 1°21 | 2°39 | 8°21 | 21° 3 | 5°40 | 4°22 | 19°15 | 10°16 | T 26 |
| F 27 | 18 37 53 | 8°59'25 | 16° 9 | 21°40 | 22°28 | 25°18 | 16°18 | 1°24 | 2°43 | 8°22 | 21° 5 | 5°37 | 4°19 | 19°22 | 10°19 | F 27 |
| S 28 | 18 41 49 | 9°56'38 | 29°21 | 23°33 | 23°41 | 25°55 | 16°16 | 1°27 | 2°46 | 8°24 | 21° 6 | 5°35 | 4°16 | 19°29 | 10°21 | S 28 |
| S 29 | 18 45 46 | 10°53'51 | 12♈ 8 | 25°25 | 24°55 | 26°31 | 16°14 | 1°29 | 2°50 | 8°25 | 21° 8 | 5°D35 | 4°13 | 19°35 | 10°24 | S 29 |
| M30 | 18 49 42 | 11♋51'05 | 24♈34 | 27♋15 | 26♊ 8 | 27♌ 8 | 16♏12 | 1♎32 | 2♌53 | 8♍26 | 21♋10 | 5♐35 | 4♐ 9 | 19♊42 | 10♉26 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n38 | 5n33 | 4n43 | 18n42 | 1s11 | 16n54 | 1s14 | 19n11 | 1n21 | 16s23 | 0n59 | 2n 4 | 2n35 | 20n34 | 0n37 | 9n44 | 1n11 | 26n29 | 4n31 | 21s27 | 21s23 | 21n55 | 14n10 | 0s26 |
| M 2 | 22 45 | 9 55 | 4 6 | 19 17 | 0 59 | 17 15 | 1 12 | 19 1 | 1 20 | 16 22 | 0 59 | 2 4 | 2 35 | 20 33 | 0 36 | 9 44 | 1 11 | 26 28 | 4 31 | 21 27 | 21 22 | 21 55 | 14 11 | 0 26 |
| T 3 | 22 51 | 13 48 | 3 18 | 19 52 | 0 48 | 17 35 | 1 10 | 18 51 | 1 19 | 16 20 | 0 59 | 2 4 | 2 35 | 20 33 | 0 36 | 9 43 | 1 11 | 26 28 | 4 31 | 21 27 | 21 21 | 21 55 | 14 12 | 0 26 |
| W 4 | 22 57 | 17 3 | 2 21 | 20 26 | 0 36 | 17 55 | 1 8 | 18 40 | 1 19 | 16 19 | 0 59 | 2 3 | 2 35 | 20 32 | 0 36 | 9 43 | 1 11 | 26 28 | 4 31 | 21 27 | 21 21 | 21 55 | 14 13 | 0 26 |
| T 5 | 23 2 | 19 34 | 1 20 | 20 59 | 0 25 | 18 14 | 1 6 | 18 30 | 1 18 | 16 17 | 0 59 | 2 3 | 2 34 | 20 31 | 0 36 | 9 43 | 1 11 | 26 28 | 4 31 | 21 27 | 21 20 | 21 55 | 14 14 | 0 26 |
| F 6 | 23 7 | 21 13 | 0 15 | 21 30 | 0 13 | 18 33 | 1 3 | 18 19 | 1 17 | 16 16 | 0 58 | 2 2 | 2 34 | 20 31 | 0 36 | 9 43 | 1 11 | 26 27 | 4 31 | 21 27 | 21 20 | 21 54 | 14 15 | 0 26 |
| S 7 | 23 11 | 21 55 | 0s50 | 22 1 | 0 2 | 18 52 | 1 1 | 18 8 | 1 17 | 16 15 | 0 58 | 2 2 | 2 34 | 20 30 | 0 36 | 9 42 | 1 11 | 26 27 | 4 31 | 21 27 | 21 19 | 21 54 | 14 16 | 0 26 |
| S 8 | 23 16 | 21 39 | 1 53 | 22 29 | 0n 9 | 19 10 | 0 59 | 17 57 | 1 16 | 16 13 | 0 58 | 2 1 | 2 34 | 20 29 | 0 36 | 9 42 | 1 11 | 26 27 | 4 31 | 21 27 | 21 19 | 21 54 | 14 17 | 0 26 |
| M 9 | 23 19 | 20 25 | 2 52 | 22 56 | 0 20 | 19 28 | 0 57 | 17 46 | 1 15 | 16 12 | 0 58 | 2 1 | 2 33 | 20 29 | 0 36 | 9 42 | 1 11 | 26 27 | 4 31 | 21 27 | 21 18 | 21 54 | 14 18 | 0 26 |
| T 10 | 23 23 | 18 17 | 3 43 | 23 21 | 0 30 | 19 45 | 0 55 | 17 35 | 1 15 | 16 11 | 0 57 | 2 0 | 2 33 | 20 28 | 0 36 | 9 41 | 1 11 | 26 27 | 4 31 | 21 26 | 21 17 | 21 53 | 14 19 | 0 27 |
| W11 | 23 26 | 15 21 | 4 24 | 23 43 | 0 40 | 20 1 | 0 52 | 17 24 | 1 14 | 16 10 | 0 57 | 1 59 | 2 33 | 20 27 | 0 36 | 9 41 | 1 11 | 26 26 | 4 31 | 21 26 | 21 17 | 21 53 | 14 20 | 0 27 |
| T 12 | 23 28 | 11 43 | 4 55 | 24 3 | 0 50 | 20 17 | 0 50 | 17 13 | 1 14 | 16 9 | 0 57 | 1 59 | 2 33 | 20 26 | 0 36 | 9 41 | 1 11 | 26 26 | 4 31 | 21 25 | 21 16 | 21 53 | 14 21 | 0 27 |
| F 13 | 23 30 | 7 33 | 5 12 | 24 20 | 0 58 | 20 33 | 0 48 | 17 1 | 1 13 | 16 8 | 0 57 | 1 58 | 2 32 | 20 26 | 0 36 | 9 40 | 1 11 | 26 26 | 4 31 | 21 25 | 21 16 | 21 53 | 14 22 | 0 27 |
| S 14 | 23 32 | 2 59 | 5 15 | 24 35 | 1 7 | 20 48 | 0 45 | 16 50 | 1 12 | 16 7 | 0 57 | 1 57 | 2 32 | 20 25 | 0 36 | 9 40 | 1 11 | 26 26 | 4 31 | 21 25 | 21 15 | 21 52 | 14 23 | 0 27 |
| S 15 | 23 33 | 1s50 | 5 2 | 24 47 | 1 14 | 21 2 | 0 43 | 16 38 | 1 12 | 16 6 | 0 56 | 1 56 | 2 32 | 20 24 | 0 36 | 9 39 | 1 11 | 26 25 | 4 31 | 21 25 | 21 15 | 21 52 | 14 23 | 0 27 |
| M16 | 23 34 | 6 42 | 4 32 | 24 56 | 1 21 | 21 16 | 0 41 | 16 26 | 1 11 | 16 5 | 0 56 | 1 55 | 2 32 | 20 24 | 0 36 | 9 39 | 1 11 | 26 25 | 4 31 | 21 25 | 21 14 | 21 52 | 14 24 | 0 27 |
| T 17 | 23 34 | 11 23 | 3 47 | 25 2 | 1 28 | 21 29 | 0 38 | 16 14 | 1 10 | 16 4 | 0 56 | 1 54 | 2 31 | 20 23 | 0 36 | 9 39 | 1 11 | 26 25 | 4 31 | 21 25 | 21 13 | 21 52 | 14 25 | 0 27 |
| W18 | 23 34 | 15 35 | 2 46 | 25 5 | 1 33 | 21 42 | 0 36 | 16 2 | 1 10 | 16 3 | 0 56 | 1 53 | 2 31 | 20 22 | 0 36 | 9 38 | 1 11 | 26 25 | 4 31 | 21 25 | 21 13 | 21 51 | 14 26 | 0 27 |
| T 19 | 23 34 | 18 59 | 1 34 | 25 5 | 1 38 | 21 54 | 0 33 | 15 50 | 1 9 | 16 2 | 0 55 | 1 52 | 2 31 | 20 21 | 0 36 | 9 38 | 1 11 | 26 24 | 4 31 | 21 25 | 21 12 | 21 51 | 14 27 | 0 27 |
| F 20 | 23 33 | 21 12 | 0 14 | 25 3 | 1 42 | 22 6 | 0 31 | 15 38 | 1 8 | 16 1 | 0 55 | 1 51 | 2 31 | 20 21 | 0 36 | 9 37 | 1 11 | 26 24 | 4 31 | 21 25 | 21 12 | 21 51 | 14 28 | 0 28 |
| S 21 | 23 32 | 21 56 | 1n 9 | 24 58 | 1 45 | 22 16 | 0 28 | 15 26 | 1 8 | 16 0 | 0 55 | 1 50 | 2 30 | 20 20 | 0 36 | 9 37 | 1 11 | 26 24 | 4 31 | 21 25 | 21 11 | 21 50 | 14 28 | 0 28 |
| S 22 | 23 30 | 21 4 | 2 27 | 24 50 | 1 48 | 22 27 | 0 26 | 15 13 | 1 7 | 16 0 | 0 55 | 1 49 | 2 30 | 20 19 | 0 36 | 9 36 | 1 11 | 26 24 | 4 31 | 21 25 | 21 10 | 21 50 | 14 29 | 0 28 |
| M23 | 23 28 | 18 42 | 3 34 | 24 40 | 1 50 | 22 36 | 0 23 | 15 1 | 1 7 | 15 59 | 0 54 | 1 48 | 2 30 | 20 18 | 0 36 | 9 36 | 1 11 | 26 24 | 4 31 | 21 24 | 21 10 | 21 50 | 14 30 | 0 28 |
| T 24 | 23 26 | 15 6 | 4 26 | 24 28 | 1 51 | 22 45 | 0 21 | 14 48 | 1 6 | 15 59 | 0 54 | 1 47 | 2 30 | 20 17 | 0 36 | 9 35 | 1 11 | 26 23 | 4 31 | 21 24 | 21 9 | 21 50 | 14 31 | 0 28 |
| W25 | 23 23 | 10 40 | 4 59 | 24 13 | 1 51 | 22 54 | 0 18 | 14 36 | 1 5 | 15 58 | 0 54 | 1 46 | 2 30 | 20 17 | 0 36 | 9 35 | 1 11 | 26 23 | 4 31 | 21 23 | 21 9 | 21 49 | 14 31 | 0 28 |
| T 26 | 23 20 | 5 47 | 5 12 | 23 57 | 1 51 | 23 1 | 0 16 | 14 23 | 1 5 | 15 58 | 0 54 | 1 44 | 2 29 | 20 16 | 0 36 | 9 34 | 1 10 | 26 23 | 4 31 | 21 22 | 21 8 | 21 49 | 14 32 | 0 28 |
| F 27 | 23 16 | 0 46 | 5 8 | 23 38 | 1 50 | 23 8 | 0 13 | 14 10 | 1 4 | 15 57 | 0 53 | 1 43 | 2 29 | 20 15 | 0 36 | 9 34 | 1 10 | 26 23 | 4 31 | 21 22 | 21 8 | 21 49 | 14 33 | 0 28 |
| S 28 | 23 12 | 4n 7 | 4 47 | 23 18 | 1 49 | 23 15 | 0 11 | 13 57 | 1 3 | 15 57 | 0 53 | 1 42 | 2 29 | 20 14 | 0 36 | 9 33 | 1 10 | 26 22 | 4 31 | 21 21 | 21 7 | 21 48 | 14 34 | 0 28 |
| S 29 | 23 7 | 8 41 | 4 12 | 22 56 | 1 47 | 23 20 | 0 8 | 13 44 | 1 3 | 15 57 | 0 53 | 1 40 | 2 29 | 20 13 | 0 36 | 9 33 | 1 10 | 26 22 | 4 31 | 21 21 | 21 6 | 21 48 | 14 34 | 0 28 |
| M30 | 23n 3 | 12n45 | 3n26 | 22n32 | 1n44 | 23n25 | 0s 6 | 13n30 | 1n 2 | 15s56 | 0n53 | 1n39 | 2n28 | 20n13 | 0n36 | 9n32 | 1n10 | 26n22 | 4n31 | 21s21 | 21s 6 | 21n48 | 14n35 | 0s29 |

Julian Day Number = 2068561.5, Delta T = 28m43s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'37, Lahiri = 9°14'37 Julian Calendar 1 June 951 == Greg. Calendar 6 June 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## JULY 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 53 39 | 12♋48'20 | 6♉43 | 29♋ 3 | 27♊21 | 27♌45 | 16°R11 | 1♎35 | 2♌57 | 8♍28 | 21♋11 | 5♐37 | 4♐ 6 | 19♊49 | 10♉28 | T 1 |
| W 2 | 18 57 35 | 13°45'36 | 18°40 | 0♌49 | 28°35 | 28°22 | 16♏ 9 | 1°38 | 3° 1 | 8°29 | 21°13 | 5°38 | 4° 3 | 19°55 | 10°31 | W 2 |
| T 3 | 19 1 32 | 14°42'52 | 0♊29 | 2°34 | 29°48 | 28°58 | 16° 8 | 1°42 | 3° 4 | 8°31 | 21°15 | 5°R39 | 4° 0 | 20° 2 | 10°33 | T 3 |
| F 4 | 19 5 28 | 15°40'10 | 12°16 | 4°17 | 1♋ 1 | 29°35 | 16° 7 | 1°45 | 3° 8 | 8°32 | 21°17 | 5°39 | 3°57 | 20° 9 | 10°35 | F 4 |
| S 5 | 19 9 25 | 16°37'28 | 24° 3 | 5°58 | 2°15 | 0♍12 | 16° 6 | 1°48 | 3°11 | 8°34 | 21°18 | 5°38 | 3°53 | 20°15 | 10°37 | S 5 |
| S 6 | 19 13 22 | 17°34'48 | 5♋54 | 7°37 | 3°28 | 0°49 | 16° 5 | 1°52 | 3°15 | 8°35 | 21°20 | 5°34 | 3°50 | 20°22 | 10°39 | S 6 |
| M 7 | 19 17 18 | 18°32'08 | 17°50 | 9°15 | 4°42 | 1°26 | 16° 5 | 1°55 | 3°19 | 8°37 | 21°22 | 5°28 | 3°47 | 20°29 | 10°41 | M 7 |
| T 8 | 19 21 15 | 19°29'29 | 29°54 | 10°50 | 5°55 | 2° 3 | 16° 5 | 1°59 | 3°22 | 8°38 | 21°23 | 5°21 | 3°44 | 20°35 | 10°43 | T 8 |
| W 9 | 19 25 11 | 20°26'50 | 12♌ 7 | 12°24 | 7° 9 | 2°41 | 16°D 5 | 2° 3 | 3°26 | 8°40 | 21°25 | 5°13 | 3°41 | 20°42 | 10°45 | W 9 |
| T 10 | 19 29 8 | 21°24'12 | 24°31 | 13°57 | 8°22 | 3°18 | 16° 5 | 2° 6 | 3°29 | 8°42 | 21°27 | 5° 5 | 3°38 | 20°49 | 10°47 | T 10 |
| F 11 | 19 33 4 | 22°21'35 | 7♍ 6 | 15°27 | 9°36 | 3°55 | 16° 5 | 2°10 | 3°33 | 8°43 | 21°29 | 4°57 | 3°34 | 20°55 | 10°49 | F 11 |
| S 12 | 19 37 1 | 23°18'59 | 19°54 | 16°56 | 10°50 | 4°32 | 16° 5 | 2°14 | 3°37 | 8°45 | 21°30 | 4°51 | 3°31 | 21° 2 | 10°51 | S 12 |
| S 13 | 19 40 57 | 24°16'24 | 2♎57 | 18°22 | 12° 3 | 5°10 | 16° 6 | 2°18 | 3°40 | 8°47 | 21°32 | 4°47 | 3°28 | 21° 9 | 10°53 | S 13 |
| M14 | 19 44 54 | 25°13'49 | 16°15 | 19°47 | 13°17 | 5°47 | 16° 7 | 2°22 | 3°44 | 8°48 | 21°34 | 4°45 | 3°25 | 21°15 | 10°55 | M14 |
| T 15 | 19 48 51 | 26°11'15 | 29°52 | 21°11 | 14°31 | 6°25 | 16° 8 | 2°27 | 3°48 | 8°50 | 21°36 | 4°D45 | 3°22 | 21°22 | 10°56 | T 15 |
| W16 | 19 52 47 | 27° 8'41 | 13♏47 | 22°32 | 15°44 | 7° 2 | 16° 9 | 2°31 | 3°51 | 8°52 | 21°37 | 4°46 | 3°19 | 21°28 | 10°58 | W16 |
| T 17 | 19 56 44 | 28° 6'09 | 28° 2 | 23°51 | 16°58 | 7°40 | 16°10 | 2°35 | 3°55 | 8°53 | 21°39 | 4°R46 | 3°15 | 21°35 | 10°59 | T 17 |
| F 18 | 20 0 40 | 29° 3'37 | 12♐35 | 25° 8 | 18°12 | 8°18 | 16°12 | 2°40 | 3°59 | 8°55 | 21°41 | 4°46 | 3°12 | 21°42 | 11° 1 | F 18 |
| S 19 | 20 4 37 | 0♌ 1'06 | 27°23 | 26°24 | 19°26 | 8°55 | 16°14 | 2°44 | 4° 3 | 8°57 | 21°42 | 4°44 | 3° 9 | 21°48 | 11° 2 | S 19 |
| S 20 | 20 8 33 | 0°58'36 | 12♑19 | 27°37 | 20°40 | 9°33 | 16°16 | 2°49 | 4° 6 | 8°59 | 21°44 | 4°40 | 3° 6 | 21°55 | 11° 4 | S 20 |
| M21 | 20 12 30 | 1°56'08 | 27°16 | 28°48 | 21°53 | 10°11 | 16°18 | 2°53 | 4°10 | 9° 1 | 21°46 | 4°34 | 3° 3 | 22° 2 | 11° 5 | M21 |
| T 22 | 20 16 27 | 2°53'40 | 12♒ 5 | 29°56 | 23° 7 | 10°49 | 16°20 | 2°58 | 4°14 | 9° 3 | 21°47 | 4°26 | 2°59 | 22° 8 | 11° 6 | T 22 |
| W23 | 20 20 23 | 3°51'14 | 26°38 | 1♍ 3 | 24°21 | 11°27 | 16°22 | 3° 3 | 4°17 | 9° 5 | 21°49 | 4°16 | 2°56 | 22°15 | 11° 7 | W23 |
| T 24 | 20 24 20 | 4°48'49 | 10♓48 | 2° 7 | 25°35 | 12° 5 | 16°25 | 3° 8 | 4°21 | 9° 6 | 21°51 | 4° 8 | 2°53 | 22°22 | 11° 9 | T 24 |
| F 25 | 20 28 16 | 5°46'25 | 24°31 | 3° 8 | 26°49 | 12°43 | 16°28 | 3°13 | 4°25 | 9° 8 | 21°53 | 4° 0 | 2°50 | 22°28 | 11°10 | F 25 |
| S 26 | 20 32 13 | 6°44'03 | 7♈46 | 4° 7 | 28° 3 | 13°21 | 16°31 | 3°18 | 4°29 | 9°10 | 21°54 | 3°54 | 2°47 | 22°35 | 11°11 | S 26 |
| S 27 | 20 36 9 | 7°41'42 | 20°36 | 5° 3 | 29°17 | 13°59 | 16°34 | 3°23 | 4°32 | 9°12 | 21°56 | 3°51 | 2°44 | 22°42 | 11°12 | S 27 |
| M28 | 20 40 6 | 8°39'24 | 3♉ 3 | 5°56 | 0♌31 | 14°37 | 16°37 | 3°28 | 4°36 | 9°14 | 21°58 | 3°49 | 2°40 | 22°48 | 11°13 | M28 |
| T 29 | 20 44 2 | 9°37'06 | 15°12 | 6°46 | 1°45 | 15°16 | 16°41 | 3°33 | 4°40 | 9°16 | 21°59 | 3°D49 | 2°37 | 22°55 | 11°13 | T 29 |
| W30 | 20 47 59 | 10°34'51 | 27° 8 | 7°33 | 2°59 | 15°54 | 16°44 | 3°38 | 4°43 | 9°18 | 22° 1 | 3°50 | 2°34 | 23° 2 | 11°14 | W30 |
| T 31 | 20 51 56 | 11♌32'37 | 8♊57 | 8♍16 | 4♌14 | 16♍32 | 16♏48 | 3♎43 | 4♌47 | 9♍20 | 22♋ 3 | 3°R50 | 2♐31 | 23♊ 8 | 11♉15 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n57 | 16n13 | 2n31 | 22n 7 | 1n41 | 23n30 | 0s 3 | 13n17 | 1n 1 | 15s56 | 0n52 | 1n38 | 2n28 | 20n12 | 0n36 | 9n32 | 1n10 | 26n22 | 4n32 | 21s22 | 21s 5 | 21n47 | 14n35 | 0s29 |
| W 2 | 22 51 | 18 56 | 1 31 | 21 40 | 1 37 | 23 33 | 0 1 | 13 4 | 1 1 | 15 56 | 0 52 | 1 36 | 2 28 | 20 11 | 0 36 | 9 31 | 1 10 | 26 22 | 4 32 | 21 22 | 21 5 | 21 47 | 14 36 | 0 29 |
| T 3 | 22 45 | 20 50 | 0 28 | 21 12 | 1 33 | 23 36 | 0n 2 | 12 50 | 1 0 | 15 56 | 0 52 | 1 35 | 2 28 | 20 10 | 0 36 | 9 31 | 1 10 | 26 21 | 4 32 | 21 22 | 21 4 | 21 47 | 14 37 | 0 29 |
| F 4 | 22 39 | 21 48 | 0s36 | 20 44 | 1 28 | 23 39 | 0 4 | 12 37 | 1 0 | 15 56 | 0 52 | 1 33 | 2 27 | 20 9 | 0 36 | 9 30 | 1 10 | 26 21 | 4 32 | 21 22 | 21 3 | 21 46 | 14 37 | 0 29 |
| S 5 | 22 32 | 21 48 | 1 38 | 20 14 | 1 23 | 23 40 | 0 7 | 12 23 | 0 59 | 15 56 | 0 51 | 1 32 | 2 27 | 20 8 | 0 36 | 9 29 | 1 10 | 26 21 | 4 32 | 21 22 | 21 3 | 21 46 | 14 38 | 0 29 |
| S 6 | 22 25 | 20 50 | 2 37 | 19 43 | 1 18 | 23 41 | 0 9 | 12 9 | 0 58 | 15 56 | 0 51 | 1 30 | 2 27 | 20 8 | 0 36 | 9 29 | 1 10 | 26 21 | 4 32 | 21 21 | 21 2 | 21 45 | 14 38 | 0 29 |
| M 7 | 22 17 | 18 56 | 3 29 | 19 12 | 1 12 | 23 41 | 0 12 | 11 55 | 0 58 | 15 56 | 0 51 | 1 28 | 2 27 | 20 7 | 0 36 | 9 28 | 1 10 | 26 20 | 4 32 | 21 20 | 21 2 | 21 45 | 14 39 | 0 29 |
| T 8 | 22 9 | 16 11 | 4 12 | 18 39 | 1 5 | 23 41 | 0 14 | 11 41 | 0 57 | 15 56 | 0 51 | 1 27 | 2 27 | 20 6 | 0 36 | 9 28 | 1 10 | 26 20 | 4 32 | 21 19 | 21 1 | 21 45 | 14 40 | 0 29 |
| W 9 | 22 0 | 12 43 | 4 44 | 18 7 | 0 58 | 23 39 | 0 17 | 11 27 | 0 56 | 15 56 | 0 50 | 1 25 | 2 26 | 20 5 | 0 36 | 9 27 | 1 10 | 26 20 | 4 32 | 21 17 | 21 0 | 21 44 | 14 40 | 0 30 |
| T 10 | 21 52 | 8 40 | 5 3 | 17 33 | 0 51 | 23 37 | 0 19 | 11 13 | 0 56 | 15 57 | 0 50 | 1 23 | 2 26 | 20 4 | 0 36 | 9 26 | 1 10 | 26 20 | 4 32 | 21 16 | 21 0 | 21 44 | 14 41 | 0 30 |
| F 11 | 21 42 | 4 11 | 5 8 | 16 59 | 0 44 | 23 35 | 0 21 | 10 59 | 0 55 | 15 57 | 0 50 | 1 22 | 2 26 | 20 3 | 0 36 | 9 26 | 1 10 | 26 20 | 4 32 | 21 15 | 20 59 | 21 44 | 14 41 | 0 30 |
| S 12 | 21 33 | 0s32 | 4 57 | 16 25 | 0 36 | 23 31 | 0 24 | 10 45 | 0 55 | 15 57 | 0 50 | 1 20 | 2 26 | 20 2 | 0 36 | 9 25 | 1 10 | 26 19 | 4 32 | 21 13 | 20 59 | 21 43 | 14 41 | 0 30 |
| S 13 | 21 23 | 5 20 | 4 32 | 15 51 | 0 28 | 23 27 | 0 26 | 10 30 | 0 54 | 15 58 | 0 49 | 1 18 | 2 25 | 20 2 | 0 36 | 9 24 | 1 10 | 26 19 | 4 32 | 21 13 | 20 58 | 21 43 | 14 42 | 0 30 |
| M14 | 21 13 | 9 59 | 3 51 | 15 16 | 0 19 | 23 23 | 0 28 | 10 16 | 0 53 | 15 58 | 0 49 | 1 16 | 2 25 | 20 1 | 0 36 | 9 24 | 1 10 | 26 19 | 4 32 | 21 12 | 20 57 | 21 42 | 14 42 | 0 30 |
| T 15 | 21 2 | 14 14 | 2 57 | 14 41 | 0 11 | 23 17 | 0 31 | 10 1 | 0 53 | 15 59 | 0 49 | 1 14 | 2 25 | 20 0 | 0 36 | 9 23 | 1 10 | 26 19 | 4 32 | 21 12 | 20 57 | 21 42 | 14 43 | 0 30 |
| W16 | 20 51 | 17 49 | 1 51 | 14 6 | 0 1 | 23 11 | 0 33 | 9 47 | 0 52 | 15 59 | 0 49 | 1 12 | 2 25 | 19 59 | 0 36 | 9 22 | 1 10 | 26 19 | 4 33 | 21 12 | 20 56 | 21 42 | 14 43 | 0 30 |
| T 17 | 20 39 | 20 25 | 0 36 | 13 31 | 0s 8 | 23 4 | 0 35 | 9 32 | 0 51 | 16 0 | 0 48 | 1 11 | 2 25 | 19 58 | 0 36 | 9 22 | 1 10 | 26 18 | 4 33 | 21 13 | 20 56 | 21 41 | 14 44 | 0 30 |
| F 18 | 20 28 | 21 44 | 0n42 | 12 57 | 0 17 | 22 57 | 0 37 | 9 17 | 0 51 | 16 1 | 0 48 | 1 9 | 2 24 | 19 57 | 0 36 | 9 21 | 1 10 | 26 18 | 4 33 | 21 13 | 20 55 | 21 41 | 14 44 | 0 31 |
| S 19 | 20 16 | 21 35 | 1 58 | 12 22 | 0 27 | 22 48 | 0 39 | 9 3 | 0 50 | 16 1 | 0 48 | 1 7 | 2 24 | 19 56 | 0 36 | 9 20 | 1 10 | 26 18 | 4 33 | 21 12 | 20 54 | 21 40 | 14 44 | 0 31 |
| S 20 | 20 3 | 19 54 | 3 7 | 11 48 | 0 37 | 22 40 | 0 41 | 8 48 | 0 50 | 16 2 | 0 48 | 1 5 | 2 24 | 19 55 | 0 36 | 9 20 | 1 10 | 26 18 | 4 33 | 21 11 | 20 54 | 21 40 | 14 45 | 0 31 |
| M21 | 19 50 | 16 51 | 4 3 | 11 14 | 0 47 | 22 30 | 0 44 | 8 33 | 0 49 | 16 3 | 0 47 | 1 3 | 2 24 | 19 55 | 0 36 | 9 19 | 1 10 | 26 18 | 4 33 | 21 10 | 20 53 | 21 39 | 14 45 | 0 31 |
| T 22 | 19 37 | 12 45 | 4 42 | 10 40 | 0 57 | 22 20 | 0 46 | 8 18 | 0 48 | 16 4 | 0 47 | 1 1 | 2 24 | 19 54 | 0 36 | 9 18 | 1 10 | 26 17 | 4 33 | 21 9 | 20 52 | 21 39 | 14 45 | 0 31 |
| W23 | 19 24 | 7 58 | 5 2 | 10 7 | 1 8 | 22 9 | 0 48 | 8 3 | 0 48 | 16 5 | 0 47 | 0 58 | 2 24 | 19 53 | 0 36 | 9 17 | 1 10 | 26 17 | 4 33 | 21 7 | 20 52 | 21 39 | 14 45 | 0 31 |
| T 24 | 19 10 | 2 53 | 5 3 | 9 34 | 1 18 | 21 57 | 0 50 | 7 48 | 0 47 | 16 6 | 0 47 | 0 56 | 2 23 | 19 52 | 0 36 | 9 17 | 1 10 | 26 17 | 4 33 | 21 5 | 20 51 | 21 38 | 14 46 | 0 31 |
| F 25 | 18 56 | 2n11 | 4 46 | 9 2 | 1 29 | 21 45 | 0 51 | 7 32 | 0 46 | 16 7 | 0 46 | 0 54 | 2 23 | 19 51 | 0 36 | 9 16 | 1 10 | 26 17 | 4 33 | 21 4 | 20 51 | 21 38 | 14 46 | 0 31 |
| S 26 | 18 42 | 6 59 | 4 14 | 8 31 | 1 39 | 21 32 | 0 53 | 7 17 | 0 46 | 16 8 | 0 46 | 0 52 | 2 23 | 19 50 | 0 36 | 9 15 | 1 10 | 26 17 | 4 33 | 21 3 | 20 50 | 21 37 | 14 46 | 0 31 |
| S 27 | 18 27 | 11 19 | 3 30 | 8 0 | 1 50 | 21 19 | 0 55 | 7 2 | 0 45 | 16 9 | 0 46 | 0 50 | 2 23 | 19 49 | 0 36 | 9 15 | 1 10 | 26 16 | 4 34 | 21 2 | 20 49 | 21 37 | 14 46 | 0 32 |
| M28 | 18 12 | 15 3 | 2 37 | 7 31 | 2 1 | 21 5 | 0 57 | 6 46 | 0 45 | 16 10 | 0 46 | 0 48 | 2 23 | 19 48 | 0 36 | 9 14 | 1 10 | 26 16 | 4 34 | 21 2 | 20 49 | 21 36 | 14 46 | 0 32 |
| T 29 | 17 57 | 18 3 | 1 38 | 7 2 | 2 12 | 20 50 | 0 59 | 6 31 | 0 44 | 16 11 | 0 45 | 0 45 | 2 22 | 19 47 | 0 36 | 9 13 | 1 10 | 26 16 | 4 34 | 21 2 | 20 48 | 21 36 | 14 47 | 0 32 |
| W30 | 17 41 | 20 12 | 0 36 | 6 35 | 2 23 | 20 35 | 1 0 | 6 15 | 0 43 | 16 13 | 0 45 | 0 43 | 2 22 | 19 47 | 0 36 | 9 12 | 1 10 | 26 16 | 4 34 | 21 2 | 20 47 | 21 35 | 14 47 | 0 32 |
| T 31 | 17n25 | 21n28 | 0s27 | 6n 9 | 2s33 | 20n19 | 1n 2 | 6n 0 | 0n43 | 16s14 | 0n45 | 0n41 | 2n22 | 19n46 | 0n36 | 9n11 | 1n10 | 26n16 | 4n34 | 21s 2 | 20s47 | 21n35 | 14n47 | 0s32 |

Julian Day Number = 2068591.5, Delta T = 28m43s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'41, Lahiri = 9°14'41 Julian Calendar 1 July 951 == Greg. Calendar 6 July 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## AUGUST 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 55 52 | 12♌30'25 | 20♊44 | 8♍56 | 5♌28 | 17♍11 | 16♏52 | 3♎49 | 4♌51 | 9♍22 | 22♋ 4 | 3°R48 | 2♐28 | 23♊15 | 11♉16 | F 1 |
| S 2 | 20 59 49 | 13°28'15 | 2♋34 | 9°31 | 6°42 | 17°49 | 16°56 | 3°54 | 4°55 | 9°24 | 22° 6 | 3♐45 | 2°25 | 23°22 | 11°16 | S 2 |
| S 3 | 21 3 45 | 14°26'07 | 14°30 | 10° 3 | 7°56 | 18°28 | 17° 1 | 4° 0 | 4°58 | 9°26 | 22° 7 | 3°38 | 2°21 | 23°28 | 11°17 | S 3 |
| M 4 | 21 7 42 | 15°24'00 | 26°34 | 10°30 | 9°10 | 19° 7 | 17° 5 | 4° 5 | 5° 2 | 9°28 | 22° 9 | 3°30 | 2°18 | 23°35 | 11°17 | M 4 |
| T 5 | 21 11 38 | 16°21'54 | 8♌51 | 10°53 | 10°25 | 19°45 | 17°10 | 4°11 | 5° 6 | 9°30 | 22°11 | 3°19 | 2°15 | 23°42 | 11°18 | T 5 |
| W 6 | 21 15 35 | 17°19'51 | 21°19 | 11°11 | 11°39 | 20°24 | 17°14 | 4°17 | 5° 9 | 9°33 | 22°12 | 3° 6 | 2°12 | 23°48 | 11°18 | W 6 |
| T 7 | 21 19 31 | 18°17'48 | 4♍ 0 | 11°24 | 12°53 | 21° 3 | 17°19 | 4°22 | 5°13 | 9°35 | 22°14 | 2°53 | 2° 9 | 23°55 | 11°19 | T 7 |
| F 8 | 21 23 28 | 19°15'48 | 16°53 | 11°31 | 14° 8 | 21°42 | 17°25 | 4°28 | 5°17 | 9°37 | 22°15 | 2°42 | 2° 5 | 24° 2 | 11°19 | F 8 |
| S 9 | 21 27 24 | 20°13'49 | 29°58 | 11°R33 | 15°22 | 22°20 | 17°30 | 4°34 | 5°20 | 9°39 | 22°17 | 2°32 | 2° 2 | 24° 8 | 11°19 | S 9 |
| S 10 | 21 31 21 | 21°11'51 | 13♎14 | 11°29 | 16°37 | 22°59 | 17°35 | 4°40 | 5°24 | 9°41 | 22°18 | 2°25 | 1°59 | 24°15 | 11°19 | S 10 |
| M11 | 21 35 18 | 22° 9'55 | 26°42 | 11°19 | 17°51 | 23°38 | 17°41 | 4°46 | 5°27 | 9°43 | 22°20 | 2°20 | 1°56 | 24°22 | 11°19 | M11 |
| T 12 | 21 39 14 | 23° 8'00 | 10♏22 | 11° 3 | 19° 5 | 24°18 | 17°47 | 4°52 | 5°31 | 9°45 | 22°22 | 2°18 | 1°53 | 24°28 | 11°R19 | T 12 |
| W13 | 21 43 11 | 24° 6'07 | 24°14 | 10°40 | 20°20 | 24°57 | 17°53 | 4°58 | 5°35 | 9°47 | 22°23 | 2°18 | 1°50 | 24°35 | 11°19 | W13 |
| T 14 | 21 47 7 | 25° 4'15 | 8♐18 | 10°11 | 21°34 | 25°36 | 17°59 | 5° 4 | 5°38 | 9°50 | 22°25 | 2°18 | 1°46 | 24°41 | 11°19 | T 14 |
| F 15 | 21 51 4 | 26° 2'25 | 22°34 | 9°37 | 22°49 | 26°15 | 18° 5 | 5°10 | 5°42 | 9°52 | 22°26 | 2°17 | 1°43 | 24°48 | 11°19 | F 15 |
| S 16 | 21 55 0 | 27° 0'36 | 7♑ 0 | 8°56 | 24° 3 | 26°54 | 18°11 | 5°16 | 5°45 | 9°54 | 22°27 | 2°14 | 1°40 | 24°55 | 11°19 | S 16 |
| S 17 | 21 58 57 | 27°58'49 | 21°34 | 8°10 | 25°18 | 27°34 | 18°18 | 5°23 | 5°49 | 9°56 | 22°29 | 2° 8 | 1°37 | 25° 1 | 11°18 | S 17 |
| M18 | 22 2 53 | 28°57'03 | 6♒ 9 | 7°19 | 26°32 | 28°13 | 18°24 | 5°29 | 5°52 | 9°58 | 22°30 | 2° 0 | 1°34 | 25° 8 | 11°18 | M18 |
| T 19 | 22 6 50 | 29°55'19 | 20°38 | 6°23 | 27°47 | 28°53 | 18°31 | 5°35 | 5°56 | 10° 1 | 22°32 | 1°49 | 1°31 | 25°15 | 11°18 | T 19 |
| W20 | 22 10 47 | 0♍53'37 | 4♓56 | 5°25 | 29° 2 | 29°32 | 18°38 | 5°42 | 5°59 | 10° 3 | 22°33 | 1°37 | 1°27 | 25°21 | 11°17 | W20 |
| T 21 | 22 14 43 | 1°51'57 | 18°56 | 4°25 | 0♍16 | 0♎12 | 18°45 | 5°48 | 6° 3 | 10° 5 | 22°35 | 1°25 | 1°24 | 25°28 | 11°17 | T 21 |
| F 22 | 22 18 40 | 2°50'19 | 2♈34 | 3°24 | 1°31 | 0°51 | 18°52 | 5°54 | 6° 6 | 10° 7 | 22°36 | 1°15 | 1°21 | 25°35 | 11°16 | F 22 |
| S 23 | 22 22 36 | 3°48'42 | 15°47 | 2°24 | 2°45 | 1°31 | 19° 0 | 6° 1 | 6°10 | 10° 9 | 22°37 | 1° 7 | 1°18 | 25°41 | 11°15 | S 23 |
| S 24 | 22 26 33 | 4°47'08 | 28°36 | 1°25 | 4° 0 | 2°11 | 19° 7 | 6° 7 | 6°13 | 10°12 | 22°39 | 1° 1 | 1°15 | 25°48 | 11°15 | S 24 |
| M25 | 22 30 29 | 5°45'36 | 11♉ 4 | 0°30 | 5°15 | 2°50 | 19°15 | 6°14 | 6°16 | 10°14 | 22°40 | 0°58 | 1°11 | 25°55 | 11°14 | M25 |
| T 26 | 22 34 26 | 6°44'06 | 23°14 | 29♌40 | 6°29 | 3°30 | 19°23 | 6°21 | 6°20 | 10°16 | 22°41 | 0°57 | 1° 8 | 26° 1 | 11°13 | T 26 |
| W27 | 22 38 22 | 7°42'39 | 5♊11 | 28°56 | 7°44 | 4°10 | 19°31 | 6°27 | 6°23 | 10°18 | 22°43 | 0°57 | 1° 5 | 26° 8 | 11°12 | W27 |
| T 28 | 22 42 19 | 8°41'14 | 17° 1 | 28°20 | 8°59 | 4°50 | 19°39 | 6°34 | 6°26 | 10°21 | 22°44 | 0°57 | 1° 2 | 26°15 | 11°11 | T 28 |
| F 29 | 22 46 16 | 9°39'51 | 28°50 | 27°51 | 10°14 | 5°30 | 19°47 | 6°41 | 6°30 | 10°23 | 22°45 | 0°55 | 0°59 | 26°21 | 11°10 | F 29 |
| S 30 | 22 50 12 | 10°38'30 | 10♋42 | 27°32 | 11°29 | 6°10 | 19°55 | 6°47 | 6°33 | 10°25 | 22°47 | 0°52 | 0°56 | 26°28 | 11° 9 | S 30 |
| S 31 | 22 54 9 | 11♍37'12 | 22♋42 | 27♌22 | 12♍43 | 6♎50 | 20♏ 3 | 6♎54 | 6♌36 | 10♍27 | 22♋48 | 0♐46 | 0♐52 | 26♊35 | 11♉ 8 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n 9 | 21n46 | 1s29 | 5n44 | 2s44 | 20n 2 | 1n 4 | 5n44 | 0n42 | 16s15 | 0n45 | 0n39 | 2n22 | 19n45 | 0n36 | 9n11 | 1n10 | 26n16 | 4n34 | 21s 2 | 20s46 | 21n34 | 14n47 | 0s32 |
| S 2 | 16 52 | 21 6 | 2 27 | 5 21 | 2 54 | 19 45 | 1 5 | 5 29 | 0 41 | 16 17 | 0 45 | 0 36 | 2 22 | 19 44 | 0 36 | 9 10 | 1 10 | 26 15 | 4 34 | 21 1 | 20 46 | 21 34 | 14 47 | 0 32 |
| S 3 | 16 36 | 19 30 | 3 18 | 5 0 | 3 5 | 19 27 | 1 7 | 5 13 | 0 41 | 16 18 | 0 44 | 0 34 | 2 22 | 19 43 | 0 36 | 9 9 | 1 10 | 26 15 | 4 34 | 21 0 | 20 45 | 21 33 | 14 47 | 0 32 |
| M 4 | 16 19 | 17 0 | 4 2 | 4 40 | 3 15 | 19 9 | 1 8 | 4 57 | 0 40 | 16 20 | 0 44 | 0 32 | 2 21 | 19 42 | 0 36 | 9 8 | 1 10 | 26 15 | 4 34 | 20 58 | 20 44 | 21 33 | 14 47 | 0 32 |
| T 5 | 16 1 | 13 44 | 4 35 | 4 22 | 3 24 | 18 50 | 1 9 | 4 41 | 0 40 | 16 21 | 0 44 | 0 29 | 2 21 | 19 41 | 0 36 | 9 8 | 1 10 | 26 15 | 4 35 | 20 56 | 20 44 | 21 32 | 14 47 | 0 33 |
| W 6 | 15 44 | 9 49 | 4 55 | 4 7 | 3 34 | 18 31 | 1 11 | 4 25 | 0 39 | 16 23 | 0 44 | 0 27 | 2 21 | 19 40 | 0 36 | 9 7 | 1 10 | 26 15 | 4 35 | 20 54 | 20 43 | 21 32 | 14 47 | 0 33 |
| T 7 | 15 26 | 5 25 | 5 1 | 3 54 | 3 42 | 18 11 | 1 12 | 4 9 | 0 38 | 16 24 | 0 43 | 0 24 | 2 21 | 19 39 | 0 36 | 9 6 | 1 10 | 26 15 | 4 35 | 20 51 | 20 42 | 21 31 | 14 47 | 0 33 |
| F 8 | 15 8 | 0 43 | 4 52 | 3 44 | 3 51 | 17 51 | 1 13 | 3 53 | 0 38 | 16 26 | 0 43 | 0 22 | 2 21 | 19 39 | 0 36 | 9 5 | 1 10 | 26 15 | 4 35 | 20 49 | 20 42 | 21 31 | 14 47 | 0 33 |
| S 9 | 14 49 | 4s 5 | 4 28 | 3 36 | 3 58 | 17 30 | 1 14 | 3 37 | 0 37 | 16 28 | 0 43 | 0 20 | 2 21 | 19 38 | 0 36 | 9 4 | 1 10 | 26 14 | 4 35 | 20 47 | 20 41 | 21 30 | 14 47 | 0 33 |
| S 10 | 14 31 | 8 46 | 3 49 | 3 31 | 4 5 | 17 9 | 1 15 | 3 21 | 0 36 | 16 29 | 0 43 | 0 17 | 2 21 | 19 37 | 0 36 | 9 4 | 1 10 | 26 14 | 4 35 | 20 46 | 20 41 | 21 30 | 14 47 | 0 33 |
| M11 | 14 12 | 13 6 | 2 57 | 3 30 | 4 11 | 16 47 | 1 17 | 3 5 | 0 36 | 16 31 | 0 42 | 0 15 | 2 20 | 19 36 | 0 36 | 9 3 | 1 10 | 26 14 | 4 35 | 20 45 | 20 40 | 21 29 | 14 47 | 0 33 |
| T 12 | 13 53 | 16 48 | 1 53 | 3 31 | 4 16 | 16 25 | 1 17 | 2 49 | 0 35 | 16 33 | 0 42 | 0 12 | 2 20 | 19 35 | 0 36 | 9 2 | 1 10 | 26 14 | 4 35 | 20 44 | 20 39 | 21 29 | 14 47 | 0 33 |
| W13 | 13 34 | 19 37 | 0 43 | 3 36 | 4 19 | 16 2 | 1 18 | 2 33 | 0 35 | 16 35 | 0 42 | 0 10 | 2 20 | 19 34 | 0 36 | 9 1 | 1 10 | 26 14 | 4 36 | 20 44 | 20 39 | 21 28 | 14 47 | 0 34 |
| T 14 | 13 14 | 21 17 | 0n32 | 3 45 | 4 22 | 15 39 | 1 19 | 2 17 | 0 34 | 16 37 | 0 42 | 0 7 | 2 20 | 19 33 | 0 36 | 9 0 | 1 10 | 26 14 | 4 36 | 20 44 | 20 38 | 21 28 | 14 47 | 0 34 |
| F 15 | 12 55 | 21 37 | 1 45 | 3 57 | 4 23 | 15 15 | 1 20 | 2 0 | 0 33 | 16 39 | 0 42 | 0 4 | 2 20 | 19 32 | 0 36 | 8 59 | 1 10 | 26 14 | 4 36 | 20 44 | 20 37 | 21 27 | 14 46 | 0 34 |
| S 16 | 12 35 | 20 31 | 2 53 | 4 13 | 4 22 | 14 51 | 1 21 | 1 44 | 0 33 | 16 41 | 0 41 | 0 2 | 2 20 | 19 32 | 0 36 | 8 59 | 1 10 | 26 13 | 4 36 | 20 43 | 20 37 | 21 26 | 14 46 | 0 34 |
| S 17 | 12 15 | 18 4 | 3 49 | 4 33 | 4 19 | 14 26 | 1 21 | 1 28 | 0 32 | 16 43 | 0 41 | 0s 1 | 2 20 | 19 31 | 0 36 | 8 58 | 1 10 | 26 13 | 4 36 | 20 42 | 20 36 | 21 26 | 14 46 | 0 34 |
| M18 | 11 54 | 14 28 | 4 31 | 4 56 | 4 15 | 14 1 | 1 22 | 1 12 | 0 31 | 16 45 | 0 41 | 0 3 | 2 19 | 19 30 | 0 36 | 8 57 | 1 10 | 26 13 | 4 36 | 20 41 | 20 35 | 21 25 | 14 46 | 0 34 |
| T 19 | 11 34 | 10 2 | 4 55 | 5 22 | 4 9 | 13 36 | 1 23 | 0 55 | 0 31 | 16 47 | 0 41 | 0 6 | 2 19 | 19 29 | 0 36 | 8 56 | 1 10 | 26 13 | 4 36 | 20 38 | 20 35 | 21 25 | 14 46 | 0 34 |
| W20 | 11 13 | 5 6 | 5 0 | 5 51 | 4 0 | 13 10 | 1 23 | 0 39 | 0 30 | 16 49 | 0 41 | 0 9 | 2 19 | 19 28 | 0 37 | 8 55 | 1 10 | 26 13 | 4 36 | 20 36 | 20 34 | 21 24 | 14 45 | 0 34 |
| T 21 | 10 52 | 0 0 | 4 47 | 6 23 | 3 50 | 12 44 | 1 24 | 0 23 | 0 30 | 16 51 | 0 40 | 0 11 | 2 19 | 19 27 | 0 37 | 8 54 | 1 10 | 26 13 | 4 37 | 20 34 | 20 33 | 21 24 | 14 45 | 0 34 |
| F 22 | 10 31 | 4n57 | 4 17 | 6 56 | 3 38 | 12 18 | 1 24 | 0 6 | 0 29 | 16 53 | 0 40 | 0 14 | 2 19 | 19 27 | 0 37 | 8 54 | 1 10 | 26 13 | 4 37 | 20 32 | 20 33 | 21 23 | 14 45 | 0 35 |
| S 23 | 10 10 | 9 33 | 3 35 | 7 30 | 3 24 | 11 51 | 1 24 | 0s10 | 0 28 | 16 56 | 0 40 | 0 17 | 2 19 | 19 26 | 0 37 | 8 53 | 1 10 | 26 13 | 4 37 | 20 30 | 20 32 | 21 22 | 14 44 | 0 35 |
| S 24 | 9 49 | 13 34 | 2 42 | 8 6 | 3 8 | 11 24 | 1 24 | 0 27 | 0 28 | 16 58 | 0 40 | 0 19 | 2 19 | 19 25 | 0 37 | 8 52 | 1 10 | 26 13 | 4 37 | 20 29 | 20 31 | 21 22 | 14 44 | 0 35 |
| M25 | 9 27 | 16 52 | 1 43 | 8 41 | 2 52 | 10 57 | 1 25 | 0 43 | 0 27 | 17 0 | 0 40 | 0 22 | 2 19 | 19 24 | 0 37 | 8 51 | 1 10 | 26 13 | 4 37 | 20 28 | 20 31 | 21 21 | 14 44 | 0 35 |
| T 26 | 9 5 | 19 21 | 0 41 | 9 15 | 2 34 | 10 29 | 1 25 | 1 0 | 0 26 | 17 2 | 0 39 | 0 25 | 2 19 | 19 23 | 0 37 | 8 50 | 1 10 | 26 13 | 4 37 | 20 28 | 20 30 | 21 21 | 14 43 | 0 35 |
| W27 | 8 43 | 20 55 | 0s22 | 9 48 | 2 15 | 10 1 | 1 25 | 1 16 | 0 26 | 17 5 | 0 39 | 0 27 | 2 19 | 19 22 | 0 37 | 8 49 | 1 10 | 26 12 | 4 38 | 20 28 | 20 30 | 21 20 | 14 43 | 0 35 |
| T 28 | 8 21 | 21 32 | 1 24 | 10 19 | 1 55 | 9 33 | 1 25 | 1 33 | 0 25 | 17 7 | 0 39 | 0 30 | 2 18 | 19 22 | 0 37 | 8 49 | 1 10 | 26 12 | 4 38 | 20 28 | 20 29 | 21 19 | 14 43 | 0 35 |
| F 29 | 7 59 | 21 12 | 2 22 | 10 47 | 1 36 | 9 5 | 1 25 | 1 49 | 0 25 | 17 10 | 0 39 | 0 33 | 2 18 | 19 21 | 0 37 | 8 48 | 1 10 | 26 12 | 4 38 | 20 27 | 20 28 | 21 19 | 14 42 | 0 35 |
| S 30 | 7 37 | 19 55 | 3 14 | 11 13 | 1 16 | 8 36 | 1 24 | 2 6 | 0 24 | 17 12 | 0 39 | 0 36 | 2 18 | 19 20 | 0 37 | 8 47 | 1 10 | 26 12 | 4 38 | 20 27 | 20 28 | 21 18 | 14 42 | 0 36 |
| S 31 | 7n15 | 17n44 | 3s58 | 11n34 | 0s57 | 8n 7 | 1n24 | 2s22 | 0n23 | 17s14 | 0n38 | 0s39 | 2n18 | 19n19 | 0n37 | 8n46 | 1n10 | 26n12 | 4n38 | 20s26 | 20s27 | 21n18 | 14n41 | 0s36 |

Julian Day Number = 2068622.5, Delta T = 28m42s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'45, Lahiri = 9°14'46 Julian Calendar 1 Aug. 951 == Greg. Calendar 6 Aug. 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## SEPTEMBER 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 22 58 5 | 12♍35'55 | 4♌54 | 27°D21 | 13♍58 | 7♎31 | 20♏12 | 7♎ 1 | 6♌39 | 10♍29 | 22♋49 | 0°R38 | 0♐49 | 26♊41 | 11°R 7 | M 1 |
| T 2 | 23 2 2 | 13°34'41 | 17°21 | 27♌31 | 15°13 | 8°11 | 20°21 | 7° 8 | 6°42 | 10°32 | 22°50 | 0♐27 | 0°46 | 26°48 | 11♉ 6 | T 2 |
| W 3 | 23 5 58 | 14°33'29 | 0♍ 4 | 27°50 | 16°28 | 8°51 | 20°29 | 7°15 | 6°46 | 10°34 | 22°51 | 0°14 | 0°43 | 26°55 | 11° 4 | W 3 |
| T 4 | 23 9 55 | 15°32'19 | 13° 3 | 28°18 | 17°43 | 9°31 | 20°38 | 7°22 | 6°49 | 10°36 | 22°52 | 0° 2 | 0°40 | 27° 1 | 11° 3 | T 4 |
| F 5 | 23 13 51 | 16°31'11 | 26°18 | 28°56 | 18°57 | 10°12 | 20°47 | 7°29 | 6°52 | 10°38 | 22°54 | 29♏50 | 0°36 | 27° 8 | 11° 2 | F 5 |
| S 6 | 23 17 48 | 17°30'05 | 9♎46 | 29°43 | 20°12 | 10°52 | 20°56 | 7°36 | 6°55 | 10°41 | 22°55 | 29°40 | 0°33 | 27°15 | 11° 0 | S 6 |
| S 7 | 23 21 45 | 18°29'01 | 23°25 | 0♍38 | 21°27 | 11°33 | 21° 6 | 7°43 | 6°58 | 10°43 | 22°56 | 29°33 | 0°30 | 27°21 | 10°59 | S 7 |
| M 8 | 23 25 41 | 19°27'59 | 7♏13 | 1°40 | 22°42 | 12°14 | 21°15 | 7°50 | 7° 1 | 10°45 | 22°57 | 29°28 | 0°27 | 27°28 | 10°57 | M 8 |
| T 9 | 23 29 38 | 20°26'59 | 21° 7 | 2°49 | 23°57 | 12°54 | 21°24 | 7°57 | 7° 4 | 10°47 | 22°58 | 29°26 | 0°24 | 27°35 | 10°56 | T 9 |
| W10 | 23 33 34 | 21°26'01 | 5♐ 7 | 4° 4 | 25°12 | 13°35 | 21°34 | 8° 4 | 7° 7 | 10°49 | 22°59 | 29°D26 | 0°21 | 27°41 | 10°54 | W10 |
| T 11 | 23 37 31 | 22°25'05 | 19°11 | 5°24 | 26°27 | 14°16 | 21°44 | 8°11 | 7°10 | 10°52 | 23° 0 | 29°R27 | 0°17 | 27°48 | 10°52 | T 11 |
| F 12 | 23 41 27 | 23°24'10 | 3♑19 | 6°49 | 27°42 | 14°56 | 21°53 | 8°18 | 7°12 | 10°54 | 23° 1 | 29°26 | 0°14 | 27°55 | 10°50 | F 12 |
| S 13 | 23 45 24 | 24°23'17 | 17°29 | 8°19 | 28°57 | 15°37 | 22° 3 | 8°25 | 7°15 | 10°56 | 23° 2 | 29°24 | 0°11 | 28° 1 | 10°49 | S 13 |
| S 14 | 23 49 20 | 25°22'26 | 1♒40 | 9°51 | 0♎12 | 16°18 | 22°13 | 8°32 | 7°18 | 10°58 | 23° 3 | 29°20 | 0° 8 | 28° 8 | 10°47 | S 14 |
| M15 | 23 53 17 | 26°21'37 | 15°49 | 11°27 | 1°27 | 16°59 | 22°23 | 8°39 | 7°21 | 11° 0 | 23° 4 | 29°13 | 0° 5 | 28°15 | 10°45 | M15 |
| T 16 | 23 57 13 | 27°20'49 | 29°52 | 13° 5 | 2°42 | 17°40 | 22°34 | 8°46 | 7°24 | 11° 3 | 23° 5 | 29° 4 | 0° 2 | 28°21 | 10°43 | T 16 |
| W17 | 0 1 10 | 28°20'04 | 13♓45 | 14°45 | 3°57 | 18°21 | 22°44 | 8°54 | 7°26 | 11° 5 | 23° 6 | 28°53 | 29♏58 | 28°28 | 10°41 | W17 |
| T 18 | 0 5 7 | 29°19'20 | 27°24 | 16°27 | 5°12 | 19° 3 | 22°54 | 9° 1 | 7°29 | 11° 7 | 23° 6 | 28°43 | 29°55 | 28°35 | 10°39 | T 18 |
| F 19 | 0 9 3 | 0♎18'39 | 10♈45 | 18° 9 | 6°27 | 19°44 | 23° 5 | 9° 8 | 7°31 | 11° 9 | 23° 7 | 28°34 | 29°52 | 28°41 | 10°37 | F 19 |
| S 20 | 0 13 0 | 1°17'59 | 23°47 | 19°53 | 7°41 | 20°25 | 23°15 | 9°15 | 7°34 | 11°11 | 23° 8 | 28°27 | 29°49 | 28°48 | 10°34 | S 20 |
| S 21 | 0 16 56 | 2°17'22 | 6♉30 | 21°37 | 8°56 | 21° 6 | 23°26 | 9°22 | 7°37 | 11°13 | 23° 9 | 28°22 | 29°46 | 28°55 | 10°32 | S 21 |
| M22 | 0 20 53 | 3°16'48 | 18°54 | 23°21 | 10°11 | 21°48 | 23°37 | 9°30 | 7°39 | 11°15 | 23°10 | 28°20 | 29°42 | 29° 1 | 10°30 | M22 |
| T 23 | 0 24 49 | 4°16'15 | 1♊ 3 | 25° 6 | 11°26 | 22°29 | 23°48 | 9°37 | 7°41 | 11°17 | 23°10 | 28°D19 | 29°39 | 29° 8 | 10°28 | T 23 |
| W24 | 0 28 46 | 5°15'45 | 13° 1 | 26°51 | 12°41 | 23°11 | 23°58 | 9°44 | 7°44 | 11°20 | 23°11 | 28°20 | 29°36 | 29°15 | 10°25 | W24 |
| T 25 | 0 32 42 | 6°15'17 | 24°52 | 28°35 | 13°56 | 23°52 | 24°10 | 9°51 | 7°46 | 11°22 | 23°12 | 28°21 | 29°33 | 29°21 | 10°23 | T 25 |
| F 26 | 0 36 39 | 7°14'52 | 6♋41 | 0♎20 | 15°12 | 24°34 | 24°21 | 9°59 | 7°49 | 11°24 | 23°12 | 28°R22 | 29°30 | 29°28 | 10°21 | F 26 |
| S 27 | 0 40 36 | 8°14'29 | 18°33 | 2° 4 | 16°27 | 25°16 | 24°32 | 10° 6 | 7°51 | 11°26 | 23°13 | 28°21 | 29°27 | 29°35 | 10°18 | S 27 |
| S 28 | 0 44 32 | 9°14'08 | 0♌35 | 3°47 | 17°42 | 25°57 | 24°43 | 10°13 | 7°53 | 11°28 | 23°14 | 28°19 | 29°23 | 29°41 | 10°16 | S 28 |
| M29 | 0 48 29 | 10°13'50 | 12°50 | 5°31 | 18°57 | 26°39 | 24°54 | 10°20 | 7°55 | 11°30 | 23°14 | 28°14 | 29°20 | 29°48 | 10°13 | M29 |
| T 30 | 0 52 25 | 11♎13'33 | 25♌22 | 7♎13 | 20♎12 | 27♎21 | 25♏ 6 | 10♎28 | 7♌57 | 11♍32 | 23♋15 | 28♏ 8 | 29♏17 | 29♊55 | 10♉10 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n52 | 14n45 | 4s32 | 11n52 | 0s38 | 7n38 | 1n24 | 2s39 | 0n23 | 17s17 | 0n38 | 0s41 | 2n18 | 19n18 | 0n37 | 8n45 | 1n10 | 26n12 | 4n38 | 20s24 | 20s26 | 21n17 | 14n41 | 0s36 |
| T 2 | 6 30 | 11 4 | 4 54 | 12 6 | 0 20 | 7 8 | 1 24 | 2 55 | 0 22 | 17 19 | 0 38 | 0 44 | 2 18 | 19 18 | 0 37 | 8 44 | 1 10 | 26 12 | 4 39 | 20 22 | 20 26 | 21 16 | 14 40 | 0 36 |
| W 3 | 6 7 | 6 49 | 5 1 | 12 16 | 0 2 | 6 39 | 1 23 | 3 12 | 0 21 | 17 22 | 0 38 | 0 47 | 2 18 | 19 17 | 0 37 | 8 43 | 1 10 | 26 12 | 4 39 | 20 19 | 20 25 | 21 16 | 14 40 | 0 36 |
| T 4 | 5 44 | 2 10 | 4 54 | 12 21 | 0n14 | 6 9 | 1 23 | 3 29 | 0 21 | 17 24 | 0 38 | 0 50 | 2 18 | 19 16 | 0 37 | 8 43 | 1 10 | 26 12 | 4 39 | 20 16 | 20 24 | 21 15 | 14 39 | 0 36 |
| F 5 | 5 21 | 2s39 | 4 30 | 12 22 | 0 29 | 5 39 | 1 22 | 3 45 | 0 20 | 17 27 | 0 37 | 0 52 | 2 18 | 19 15 | 0 37 | 8 42 | 1 10 | 26 12 | 4 39 | 20 14 | 20 24 | 21 14 | 14 39 | 0 36 |
| S 6 | 4 58 | 7 26 | 3 51 | 12 18 | 0 43 | 5 9 | 1 21 | 4 2 | 0 20 | 17 30 | 0 37 | 0 55 | 2 18 | 19 15 | 0 37 | 8 41 | 1 10 | 26 12 | 4 39 | 20 12 | 20 23 | 21 14 | 14 38 | 0 36 |
| S 7 | 4 35 | 11 55 | 2 59 | 12 11 | 0 56 | 4 39 | 1 21 | 4 18 | 0 19 | 17 32 | 0 37 | 0 58 | 2 18 | 19 14 | 0 37 | 8 40 | 1 10 | 26 12 | 4 39 | 20 10 | 20 22 | 21 13 | 14 38 | 0 37 |
| M 8 | 4 12 | 15 49 | 1 55 | 11 59 | 1 7 | 4 8 | 1 20 | 4 35 | 0 18 | 17 35 | 0 37 | 1 1 | 2 18 | 19 13 | 0 37 | 8 39 | 1 10 | 26 12 | 4 40 | 20 9 | 20 22 | 21 12 | 14 37 | 0 37 |
| T 9 | 3 48 | 18 51 | 0 44 | 11 43 | 1 17 | 3 38 | 1 19 | 4 51 | 0 18 | 17 38 | 0 37 | 1 4 | 2 18 | 19 12 | 0 37 | 8 38 | 1 10 | 26 12 | 4 40 | 20 9 | 20 21 | 21 12 | 14 36 | 0 37 |
| W10 | 3 25 | 20 47 | 0n30 | 11 24 | 1 26 | 3 7 | 1 18 | 5 8 | 0 17 | 17 40 | 0 36 | 1 7 | 2 18 | 19 12 | 0 37 | 8 38 | 1 10 | 26 12 | 4 40 | 20 9 | 20 20 | 21 11 | 14 36 | 0 37 |
| T 11 | 3 1 | 21 25 | 1 43 | 11 2 | 1 33 | 2 36 | 1 18 | 5 24 | 0 16 | 17 43 | 0 36 | 1 9 | 2 17 | 19 11 | 0 37 | 8 37 | 1 10 | 26 12 | 4 40 | 20 9 | 20 20 | 21 10 | 14 35 | 0 37 |
| F 12 | 2 38 | 20 42 | 2 50 | 10 36 | 1 40 | 2 5 | 1 17 | 5 41 | 0 16 | 17 46 | 0 36 | 1 12 | 2 17 | 19 10 | 0 37 | 8 36 | 1 10 | 26 12 | 4 40 | 20 9 | 20 19 | 21 10 | 14 34 | 0 37 |
| S 13 | 2 14 | 18 40 | 3 47 | 10 7 | 1 45 | 1 34 | 1 15 | 5 57 | 0 15 | 17 48 | 0 36 | 1 15 | 2 17 | 19 10 | 0 37 | 8 35 | 1 10 | 26 12 | 4 40 | 20 8 | 20 18 | 21 9 | 14 34 | 0 37 |
| S 14 | 1 51 | 15 31 | 4 30 | 9 36 | 1 49 | 1 4 | 1 14 | 6 13 | 0 15 | 17 51 | 0 36 | 1 18 | 2 17 | 19 9 | 0 37 | 8 34 | 1 10 | 26 12 | 4 41 | 20 7 | 20 18 | 21 8 | 14 33 | 0 37 |
| M15 | 1 27 | 11 29 | 4 56 | 9 2 | 1 52 | 0 32 | 1 13 | 6 30 | 0 14 | 17 54 | 0 36 | 1 21 | 2 17 | 19 8 | 0 37 | 8 34 | 1 10 | 26 12 | 4 41 | 20 6 | 20 17 | 21 8 | 14 32 | 0 37 |
| T 16 | 1 4 | 6 50 | 5 4 | 8 26 | 1 54 | 0 1 | 1 12 | 6 46 | 0 13 | 17 57 | 0 35 | 1 24 | 2 17 | 19 8 | 0 37 | 8 33 | 1 10 | 26 12 | 4 41 | 20 4 | 20 16 | 21 7 | 14 32 | 0 38 |
| W17 | 0 40 | 1 54 | 4 54 | 7 49 | 1 55 | 0s30 | 1 11 | 7 2 | 0 13 | 17 59 | 0 35 | 1 27 | 2 17 | 19 7 | 0 37 | 8 32 | 1 10 | 26 12 | 4 41 | 20 1 | 20 16 | 21 6 | 14 31 | 0 38 |
| T 18 | 0 16 | 3n 3 | 4 27 | 7 9 | 1 56 | 1 1 | 1 9 | 7 19 | 0 12 | 18 2 | 0 35 | 1 29 | 2 17 | 19 6 | 0 37 | 8 31 | 1 10 | 26 12 | 4 41 | 19 59 | 20 15 | 21 6 | 14 30 | 0 38 |
| F 19 | 0s 7 | 7 45 | 3 46 | 6 29 | 1 55 | 1 32 | 1 8 | 7 35 | 0 11 | 18 5 | 0 35 | 1 32 | 2 17 | 19 6 | 0 37 | 8 30 | 1 10 | 26 12 | 4 41 | 19 57 | 20 14 | 21 5 | 14 29 | 0 38 |
| S 20 | 0 31 | 11 59 | 2 54 | 5 47 | 1 54 | 2 3 | 1 7 | 7 51 | 0 11 | 18 8 | 0 35 | 1 35 | 2 17 | 19 5 | 0 37 | 8 30 | 1 10 | 26 12 | 4 42 | 19 56 | 20 13 | 21 4 | 14 29 | 0 38 |
| S 21 | 0 55 | 15 34 | 1 54 | 5 4 | 1 53 | 2 34 | 1 5 | 8 7 | 0 10 | 18 11 | 0 35 | 1 38 | 2 17 | 19 4 | 0 37 | 8 29 | 1 10 | 26 12 | 4 42 | 19 55 | 20 13 | 21 3 | 14 28 | 0 38 |
| M22 | 1 19 | 18 21 | 0 50 | 4 20 | 1 50 | 3 5 | 1 4 | 8 24 | 0 10 | 18 14 | 0 34 | 1 41 | 2 17 | 19 4 | 0 37 | 8 28 | 1 10 | 26 12 | 4 42 | 19 54 | 20 12 | 21 3 | 14 27 | 0 38 |
| T 23 | 1 42 | 20 15 | 0s15 | 3 36 | 1 48 | 3 36 | 1 2 | 8 40 | 0 9 | 18 16 | 0 34 | 1 44 | 2 17 | 19 3 | 0 37 | 8 27 | 1 10 | 26 12 | 4 42 | 19 54 | 20 11 | 21 2 | 14 26 | 0 38 |
| W24 | 2 6 | 21 12 | 1 18 | 2 51 | 1 44 | 4 7 | 1 0 | 8 56 | 0 8 | 18 19 | 0 34 | 1 47 | 2 17 | 19 3 | 0 37 | 8 26 | 1 10 | 26 12 | 4 42 | 19 54 | 20 11 | 21 1 | 14 25 | 0 38 |
| T 25 | 2 30 | 21 10 | 2 18 | 2 6 | 1 40 | 4 38 | 0 59 | 9 12 | 0 8 | 18 22 | 0 34 | 1 50 | 2 17 | 19 2 | 0 37 | 8 26 | 1 10 | 26 12 | 4 43 | 19 54 | 20 10 | 21 1 | 14 24 | 0 39 |
| F 26 | 2 54 | 20 13 | 3 12 | 1 20 | 1 36 | 5 8 | 0 57 | 9 28 | 0 7 | 18 25 | 0 34 | 1 52 | 2 17 | 19 1 | 0 38 | 8 25 | 1 10 | 26 13 | 4 43 | 19 54 | 20 9 | 21 0 | 14 24 | 0 39 |
| S 27 | 3 17 | 18 22 | 3 57 | 0 35 | 1 32 | 5 39 | 0 55 | 9 44 | 0 6 | 18 28 | 0 34 | 1 55 | 2 17 | 19 1 | 0 38 | 8 24 | 1 10 | 26 13 | 4 43 | 19 54 | 20 9 | 20 59 | 14 23 | 0 39 |
| S 28 | 3 41 | 15 41 | 4 33 | 0s11 | 1 27 | 6 10 | 0 53 | 9 59 | 0 6 | 18 31 | 0 33 | 1 58 | 2 17 | 19 0 | 0 38 | 8 23 | 1 10 | 26 13 | 4 43 | 19 54 | 20 8 | 20 58 | 14 22 | 0 39 |
| M29 | 4 4 | 12 18 | 4 57 | 0 57 | 1 22 | 6 40 | 0 51 | 10 15 | 0 5 | 18 34 | 0 33 | 2 1 | 2 17 | 19 0 | 0 38 | 8 23 | 1 10 | 26 13 | 4 43 | 19 53 | 20 7 | 20 58 | 14 21 | 0 39 |
| T 30 | 4s28 | 8n18 | 5s 8 | 1s43 | 1n17 | 7s10 | 0n50 | 10s31 | 0n 5 | 18s37 | 0n33 | 2s 4 | 2n17 | 18n59 | 0n38 | 8n22 | 1n10 | 26n13 | 4n44 | 19s51 | 20s 7 | 20n57 | 14n20 | 0s39 |

Julian Day Number = 2068653.5, Delta T = 28m42s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'49, Lahiri = 9°14'50 Julian Calendar 1 Sept. 951 == Greg. Calendar 6 Sept. 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## OCTOBER 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 56 22 | 12♎13'19 | 8♍14 | 8♎56 | 21♎27 | 28♎ 3 | 25♏17 | 10♎35 | 7♑59 | 11♍34 | 23♋15 | 28°R 0 | 29♏14 | 0♋ 1 | 10°R 8 | W 1 |
| T 2 | 1 0 18 | 13°13'08 | 21°27 | 10°37 | 22°42 | 28°45 | 25°29 | 10°42 | 8° 1 | 11°36 | 23°16 | 27♏52 | 29°11 | 0° 8 | 10♉ 5 | T 2 |
| F 3 | 1 4 15 | 14°12'58 | 5♎ 0 | 12°18 | 23°57 | 29°27 | 25°41 | 10°49 | 8° 4 | 11°38 | 23°16 | 27°45 | 29° 8 | 0°15 | 10° 3 | F 3 |
| S 4 | 1 8 11 | 15°12'50 | 18°51 | 13°59 | 25°12 | 0♏ 9 | 25°52 | 10°57 | 8° 5 | 11°40 | 23°17 | 27°38 | 29° 4 | 0°21 | 10° 0 | S 4 |
| S 5 | 1 12 8 | 16°12'45 | 2♏56 | 15°39 | 26°27 | 0°51 | 26° 4 | 11° 4 | 8° 7 | 11°42 | 23°17 | 27°34 | 29° 1 | 0°28 | 9°57 | S 5 |
| M 6 | 1 16 5 | 17°12'41 | 17°10 | 17°19 | 27°42 | 1°33 | 26°16 | 11°11 | 8° 9 | 11°43 | 23°18 | 27°32 | 28°58 | 0°35 | 9°54 | M 6 |
| T 7 | 1 20 1 | 18°12'39 | 1♐29 | 18°58 | 28°57 | 2°16 | 26°28 | 11°18 | 8°11 | 11°45 | 23°18 | 27°D31 | 28°55 | 0°41 | 9°51 | T 7 |
| W 8 | 1 23 58 | 19°12'39 | 15°49 | 20°36 | 0♏12 | 2°58 | 26°40 | 11°26 | 8°13 | 11°47 | 23°18 | 27°32 | 28°52 | 0°48 | 9°49 | W 8 |
| T 9 | 1 27 54 | 20°12'41 | 0♑ 7 | 22°14 | 1°27 | 3°40 | 26°52 | 11°33 | 8°15 | 11°49 | 23°19 | 27°34 | 28°48 | 0°55 | 9°46 | T 9 |
| F 10 | 1 31 51 | 21°12'44 | 14°19 | 23°51 | 2°42 | 4°23 | 27° 4 | 11°40 | 8°16 | 11°51 | 23°19 | 27°35 | 28°45 | 1° 1 | 9°43 | F 10 |
| S 11 | 1 35 47 | 22°12'49 | 28°25 | 25°28 | 3°57 | 5° 5 | 27°17 | 11°47 | 8°18 | 11°53 | 23°19 | 27°R35 | 28°42 | 1° 8 | 9°40 | S 11 |
| S 12 | 1 39 44 | 23°12'56 | 12♒22 | 27° 5 | 5°12 | 5°48 | 27°29 | 11°55 | 8°19 | 11°54 | 23°19 | 27°33 | 28°39 | 1°15 | 9°37 | S 12 |
| M13 | 1 43 40 | 24°13'04 | 26°10 | 28°41 | 6°27 | 6°30 | 27°41 | 12° 2 | 8°21 | 11°56 | 23°20 | 27°30 | 28°36 | 1°21 | 9°34 | M13 |
| T 14 | 1 47 37 | 25°13'13 | 9♓48 | 0♏16 | 7°43 | 7°13 | 27°54 | 12° 9 | 8°22 | 11°58 | 23°20 | 27°26 | 28°33 | 1°28 | 9°31 | T 14 |
| W15 | 1 51 33 | 26°13'25 | 23°14 | 1°51 | 8°58 | 7°56 | 28° 6 | 12°16 | 8°24 | 12° 0 | 23°20 | 27°21 | 28°29 | 1°35 | 9°28 | W15 |
| T 16 | 1 55 30 | 27°13'38 | 6♈27 | 3°26 | 10°13 | 8°39 | 28°19 | 12°23 | 8°25 | 12° 1 | 23°20 | 27°16 | 28°26 | 1°41 | 9°25 | T 16 |
| F 17 | 1 59 27 | 28°13'52 | 19°26 | 5° 0 | 11°28 | 9°21 | 28°31 | 12°30 | 8°26 | 12° 3 | 23°20 | 27°11 | 28°23 | 1°48 | 9°22 | F 17 |
| S 18 | 2 3 23 | 29°14'09 | 2♉10 | 6°34 | 12°43 | 10° 4 | 28°44 | 12°37 | 8°28 | 12° 5 | 23°20 | 27° 8 | 28°20 | 1°55 | 9°19 | S 18 |
| S 19 | 2 7 20 | 0♏14'27 | 14°40 | 8° 8 | 13°58 | 10°47 | 28°56 | 12°44 | 8°29 | 12° 6 | 23°20 | 27° 5 | 28°17 | 2° 1 | 9°16 | S 19 |
| M20 | 2 11 16 | 1°14'47 | 26°56 | 9°41 | 15°13 | 11°30 | 29° 9 | 12°51 | 8°30 | 12° 8 | 23°R20 | 27°D 5 | 28°13 | 2° 8 | 9°13 | M20 |
| T 21 | 2 15 13 | 2°15'09 | 9♊ 0 | 11°14 | 16°28 | 12°13 | 29°22 | 12°58 | 8°31 | 12°10 | 23°20 | 27° 5 | 28°10 | 2°15 | 9°10 | T 21 |
| W22 | 2 19 9 | 3°15'33 | 20°56 | 12°47 | 17°43 | 12°56 | 29°35 | 13° 5 | 8°32 | 12°11 | 23°20 | 27° 7 | 28° 7 | 2°21 | 9° 7 | W22 |
| T 23 | 2 23 6 | 4°15'59 | 2♋46 | 14°19 | 18°58 | 13°39 | 29°48 | 13°12 | 8°33 | 12°13 | 23°20 | 27° 9 | 28° 4 | 2°28 | 9° 4 | T 23 |
| F 24 | 2 27 2 | 5°16'27 | 14°35 | 15°51 | 20°13 | 14°23 | 0♐ 1 | 13°19 | 8°34 | 12°14 | 23°20 | 27°10 | 28° 1 | 2°35 | 9° 1 | F 24 |
| S 25 | 2 30 59 | 6°16'56 | 26°27 | 17°23 | 21°28 | 15° 6 | 0°14 | 13°26 | 8°35 | 12°16 | 23°20 | 27°11 | 27°58 | 2°41 | 8°58 | S 25 |
| S 26 | 2 34 56 | 7°17'28 | 8♌27 | 18°54 | 22°43 | 15°49 | 0°27 | 13°33 | 8°36 | 12°17 | 23°20 | 27°R12 | 27°54 | 2°48 | 8°54 | S 26 |
| M27 | 2 38 52 | 8°18'01 | 20°40 | 20°25 | 23°58 | 16°33 | 0°40 | 13°40 | 8°37 | 12°19 | 23°20 | 27°11 | 27°51 | 2°55 | 8°51 | M27 |
| T 28 | 2 42 49 | 9°18'36 | 3♍11 | 21°56 | 25°13 | 17°16 | 0°53 | 13°47 | 8°37 | 12°20 | 23°20 | 27°10 | 27°48 | 3° 1 | 8°48 | T 28 |
| W29 | 2 46 45 | 10°19'13 | 16° 3 | 23°26 | 26°28 | 18° 0 | 1° 6 | 13°53 | 8°38 | 12°21 | 23°19 | 27° 8 | 27°45 | 3° 8 | 8°45 | W29 |
| T 30 | 2 50 42 | 11°19'52 | 29°18 | 24°57 | 27°43 | 18°43 | 1°19 | 14° 0 | 8°39 | 12°23 | 23°19 | 27° 6 | 27°42 | 3°15 | 8°42 | T 30 |
| F 31 | 2 54 38 | 12♏20'32 | 12♎59 | 26♏26 | 28♏58 | 19♏27 | 1♐32 | 14♎ 7 | 8♑39 | 12♍24 | 23♋19 | 27♏ 3 | 27♏39 | 3♋21 | 8♉39 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4s51 | 3n50 | 5s 3 | 2s28 | 1n11 | 7s40 | 0n48 | 10s47 | 0n 4 | 18s40 | 0n33 | 2s 7 | 2n17 | 18n59 | 0n38 | 8n21 | 1n10 | 26n13 | 4n44 | 19s50 | 20s 6 | 20n56 | 14n19 | 0s39 |
| T 2 | 5 15 | 0s55 | 4 43 | 3 14 | 1 5 | 8 10 | 0 46 | 11 2 | 0 3 | 18 42 | 0 33 | 2 10 | 2 17 | 18 58 | 0 38 | 8 20 | 1 11 | 26 13 | 4 44 | 19 48 | 20 5 | 20 55 | 14 18 | 0 39 |
| F 3 | 5 38 | 5 46 | 4 6 | 3 59 | 0 59 | 8 40 | 0 44 | 11 18 | 0 3 | 18 45 | 0 33 | 2 12 | 2 17 | 18 58 | 0 38 | 8 20 | 1 11 | 26 13 | 4 44 | 19 46 | 20 5 | 20 55 | 14 17 | 0 39 |
| S 4 | 6 1 | 10 25 | 3 14 | 4 44 | 0 53 | 9 10 | 0 42 | 11 33 | 0 2 | 18 48 | 0 33 | 2 15 | 2 17 | 18 57 | 0 38 | 8 19 | 1 11 | 26 13 | 4 44 | 19 45 | 20 4 | 20 54 | 14 16 | 0 40 |
| S 5 | 6 25 | 14 35 | 2 10 | 5 28 | 0 47 | 9 39 | 0 39 | 11 49 | 0 1 | 18 51 | 0 32 | 2 18 | 2 17 | 18 57 | 0 38 | 8 18 | 1 11 | 26 13 | 4 45 | 19 44 | 20 3 | 20 53 | 14 15 | 0 40 |
| M 6 | 6 48 | 17 57 | 0 56 | 6 13 | 0 40 | 10 8 | 0 37 | 12 4 | 0 1 | 18 54 | 0 32 | 2 21 | 2 17 | 18 56 | 0 38 | 8 18 | 1 11 | 26 14 | 4 45 | 19 43 | 20 2 | 20 52 | 14 14 | 0 40 |
| T 7 | 7 11 | 20 13 | 0n22 | 6 57 | 0 34 | 10 37 | 0 35 | 12 19 | 0 0 | 18 57 | 0 32 | 2 24 | 2 17 | 18 56 | 0 38 | 8 17 | 1 11 | 26 14 | 4 45 | 19 43 | 20 2 | 20 51 | 14 13 | 0 40 |
| W 8 | 7 34 | 21 11 | 1 38 | 7 40 | 0 27 | 11 6 | 0 33 | 12 35 | 0s 1 | 19 0 | 0 32 | 2 26 | 2 17 | 18 55 | 0 38 | 8 16 | 1 11 | 26 14 | 4 45 | 19 43 | 20 1 | 20 51 | 14 12 | 0 40 |
| T 9 | 7 57 | 20 46 | 2 48 | 8 23 | 0 21 | 11 34 | 0 31 | 12 50 | 0 1 | 19 3 | 0 32 | 2 29 | 2 17 | 18 55 | 0 38 | 8 15 | 1 11 | 26 14 | 4 45 | 19 44 | 20 0 | 20 50 | 14 11 | 0 40 |
| F 10 | 8 19 | 19 2 | 3 48 | 9 5 | 0 14 | 12 2 | 0 28 | 13 5 | 0 2 | 19 6 | 0 32 | 2 32 | 2 17 | 18 55 | 0 38 | 8 15 | 1 11 | 26 14 | 4 46 | 19 44 | 20 0 | 20 49 | 14 10 | 0 40 |
| S 11 | 8 42 | 16 8 | 4 33 | 9 47 | 0 8 | 12 30 | 0 26 | 13 20 | 0 2 | 19 9 | 0 32 | 2 35 | 2 17 | 18 54 | 0 38 | 8 14 | 1 11 | 26 14 | 4 46 | 19 44 | 19 59 | 20 48 | 14 9 | 0 40 |
| S 12 | 9 4 | 12 22 | 5 1 | 10 29 | 0 1 | 12 57 | 0 24 | 13 35 | 0 3 | 19 12 | 0 31 | 2 38 | 2 18 | 18 54 | 0 38 | 8 13 | 1 11 | 26 14 | 4 46 | 19 43 | 19 58 | 20 47 | 14 8 | 0 40 |
| M13 | 9 27 | 7 58 | 5 12 | 11 9 | 0s 6 | 13 25 | 0 21 | 13 49 | 0 4 | 19 15 | 0 31 | 2 40 | 2 18 | 18 54 | 0 38 | 8 13 | 1 11 | 26 15 | 4 46 | 19 43 | 19 58 | 20 47 | 14 7 | 0 40 |
| T 14 | 9 49 | 3 14 | 5 5 | 11 49 | 0 12 | 13 52 | 0 19 | 14 4 | 0 4 | 19 18 | 0 31 | 2 43 | 2 18 | 18 53 | 0 38 | 8 12 | 1 11 | 26 15 | 4 46 | 19 42 | 19 57 | 20 46 | 14 6 | 0 41 |
| W15 | 10 11 | 1n36 | 4 41 | 12 29 | 0 19 | 14 18 | 0 17 | 14 18 | 0 5 | 19 21 | 0 31 | 2 46 | 2 18 | 18 53 | 0 38 | 8 12 | 1 11 | 26 15 | 4 47 | 19 41 | 19 56 | 20 45 | 14 5 | 0 41 |
| T 16 | 10 33 | 6 17 | 4 3 | 13 8 | 0 26 | 14 44 | 0 14 | 14 33 | 0 6 | 19 24 | 0 31 | 2 49 | 2 18 | 18 53 | 0 38 | 8 11 | 1 11 | 26 15 | 4 47 | 19 39 | 19 55 | 20 44 | 14 4 | 0 41 |
| F 17 | 10 54 | 10 36 | 3 12 | 13 46 | 0 32 | 15 10 | 0 12 | 14 47 | 0 6 | 19 26 | 0 31 | 2 51 | 2 18 | 18 52 | 0 38 | 8 10 | 1 11 | 26 15 | 4 47 | 19 38 | 19 55 | 20 43 | 14 3 | 0 41 |
| S 18 | 11 16 | 14 22 | 2 13 | 14 24 | 0 39 | 15 35 | 0 9 | 15 2 | 0 7 | 19 29 | 0 31 | 2 54 | 2 18 | 18 52 | 0 38 | 8 10 | 1 11 | 26 15 | 4 47 | 19 38 | 19 54 | 20 43 | 14 2 | 0 41 |
| S 19 | 11 37 | 17 24 | 1 8 | 15 1 | 0 45 | 16 0 | 0 7 | 15 16 | 0 7 | 19 32 | 0 31 | 2 57 | 2 18 | 18 52 | 0 38 | 8 9 | 1 11 | 26 16 | 4 47 | 19 37 | 19 53 | 20 42 | 14 1 | 0 41 |
| M20 | 11 58 | 19 36 | 0 1 | 15 37 | 0 52 | 16 25 | 0 4 | 15 30 | 0 8 | 19 35 | 0 30 | 2 59 | 2 18 | 18 51 | 0 38 | 8 9 | 1 11 | 26 16 | 4 48 | 19 37 | 19 53 | 20 41 | 14 0 | 0 41 |
| T 21 | 12 19 | 20 51 | 1s 5 | 16 12 | 0 58 | 16 49 | 0 2 | 15 44 | 0 9 | 19 38 | 0 30 | 3 2 | 2 18 | 18 51 | 0 38 | 8 8 | 1 11 | 26 16 | 4 48 | 19 37 | 19 52 | 20 40 | 13 59 | 0 41 |
| W22 | 12 40 | 21 8 | 2 8 | 16 47 | 1 4 | 17 13 | 0s 0 | 15 57 | 0 9 | 19 41 | 0 30 | 3 5 | 2 18 | 18 51 | 0 39 | 8 7 | 1 11 | 26 16 | 4 48 | 19 37 | 19 51 | 20 39 | 13 58 | 0 41 |
| T 23 | 13 1 | 20 28 | 3 4 | 17 20 | 1 10 | 17 36 | 0 3 | 16 11 | 0 10 | 19 44 | 0 30 | 3 7 | 2 18 | 18 51 | 0 39 | 8 7 | 1 11 | 26 16 | 4 48 | 19 38 | 19 50 | 20 38 | 13 57 | 0 41 |
| F 24 | 13 21 | 18 55 | 3 53 | 17 53 | 1 16 | 17 59 | 0 5 | 16 25 | 0 10 | 19 47 | 0 30 | 3 10 | 2 18 | 18 51 | 0 39 | 8 6 | 1 11 | 26 17 | 4 48 | 19 38 | 19 50 | 20 37 | 13 55 | 0 42 |
| S 25 | 13 41 | 16 32 | 4 32 | 18 25 | 1 22 | 18 22 | 0 8 | 16 38 | 0 11 | 19 50 | 0 30 | 3 12 | 2 18 | 18 50 | 0 39 | 8 6 | 1 11 | 26 17 | 4 49 | 19 38 | 19 49 | 20 37 | 13 54 | 0 42 |
| S 26 | 14 1 | 13 26 | 4 59 | 18 56 | 1 27 | 18 43 | 0 10 | 16 51 | 0 12 | 19 52 | 0 30 | 3 15 | 2 19 | 18 50 | 0 39 | 8 5 | 1 11 | 26 17 | 4 49 | 19 39 | 19 48 | 20 36 | 13 53 | 0 42 |
| M27 | 14 21 | 9 43 | 5 14 | 19 27 | 1 33 | 19 5 | 0 13 | 17 4 | 0 12 | 19 55 | 0 30 | 3 18 | 2 19 | 18 50 | 0 39 | 8 5 | 1 11 | 26 17 | 4 49 | 19 38 | 19 48 | 20 35 | 13 52 | 0 42 |
| T 28 | 14 41 | 5 31 | 5 14 | 19 56 | 1 38 | 19 26 | 0 15 | 17 17 | 0 13 | 19 58 | 0 29 | 3 20 | 2 19 | 18 50 | 0 39 | 8 4 | 1 11 | 26 18 | 4 49 | 19 38 | 19 47 | 20 34 | 13 51 | 0 42 |
| W29 | 15 0 | 0 56 | 4 59 | 20 24 | 1 43 | 19 46 | 0 18 | 17 30 | 0 14 | 20 1 | 0 29 | 3 23 | 2 19 | 18 50 | 0 39 | 8 4 | 1 12 | 26 18 | 4 49 | 19 38 | 19 46 | 20 33 | 13 50 | 0 42 |
| T 30 | 15 19 | 3s49 | 4 28 | 20 51 | 1 48 | 20 6 | 0 20 | 17 43 | 0 14 | 20 4 | 0 29 | 3 25 | 2 19 | 18 50 | 0 39 | 8 3 | 1 12 | 26 18 | 4 50 | 19 37 | 19 45 | 20 32 | 13 49 | 0 42 |
| F 31 | 15s38 | 8s32 | 3s40 | 21s18 | 1s53 | 20s25 | 0s23 | 17s56 | 0s15 | 20s 7 | 0n29 | 3s28 | 2n19 | 18n49 | 0n39 | 8n 3 | 1n12 | 26n18 | 4n50 | 19s37 | 19s45 | 20n31 | 13n48 | 0s42 |

Julian Day Number = 2068683.5, Delta T = 28m41s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'54, Lahiri = 9°14'54 Julian Calendar 1 Oct. 951 == Greg. Calendar 6 Oct. 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## NOVEMBER 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 58 35 | 13♏21'15 | 27♎ 3 | 27♏56 | 0♐13 | 20♏10 | 1♐45 | 14♎14 | 8♌40 | 12♍25 | 23°R18 | 27°R 2 | 27♏35 | 3♋28 | 8°R36 | S 1 |
| S 2 | 3 2 31 | 14°21'58 | 11♏28 | 29°25 | 1°28 | 20°54 | 1°59 | 14°20 | 8°40 | 12°27 | 23♋18 | 27♏ 0 | 27°32 | 3°35 | 8♉33 | S 2 |
| M 3 | 3 6 28 | 15°22'43 | 26° 7 | 0♐54 | 2°43 | 21°38 | 2°12 | 14°27 | 8°41 | 12°28 | 23°18 | 27°D 0 | 27°29 | 3°41 | 8°30 | M 3 |
| T 4 | 3 10 25 | 16°23'30 | 10♐54 | 2°22 | 3°58 | 22°22 | 2°25 | 14°33 | 8°41 | 12°29 | 23°17 | 27° 0 | 27°26 | 3°48 | 8°27 | T 4 |
| W 5 | 3 14 21 | 17°24'18 | 25°41 | 3°50 | 5°13 | 23° 6 | 2°39 | 14°40 | 8°41 | 12°30 | 23°17 | 27° 1 | 27°23 | 3°55 | 8°24 | W 5 |
| T 6 | 3 18 18 | 18°25'07 | 10♑23 | 5°17 | 6°28 | 23°50 | 2°52 | 14°46 | 8°41 | 12°31 | 23°17 | 27° 2 | 27°19 | 4° 1 | 8°20 | T 6 |
| F 7 | 3 22 14 | 19°25'57 | 24°53 | 6°44 | 7°43 | 24°34 | 3° 6 | 14°53 | 8°42 | 12°33 | 23°16 | 27° 3 | 27°16 | 4° 8 | 8°17 | F 7 |
| S 8 | 3 26 11 | 20°26'48 | 9♒ 7 | 8°10 | 8°58 | 25°18 | 3°19 | 14°59 | 8°42 | 12°34 | 23°16 | 27° 3 | 27°13 | 4°15 | 8°14 | S 8 |
| S 9 | 3 30 7 | 21°27'39 | 23° 4 | 9°35 | 10°13 | 26° 2 | 3°32 | 15° 6 | 8°R42 | 12°35 | 23°15 | 27°R 3 | 27°10 | 4°21 | 8°11 | S 9 |
| M10 | 3 34 4 | 22°28'32 | 6♓43 | 10°59 | 11°28 | 26°46 | 3°46 | 15°12 | 8°42 | 12°36 | 23°15 | 27° 3 | 27° 7 | 4°28 | 8° 8 | M10 |
| T 11 | 3 38 0 | 23°29'25 | 20° 5 | 12°22 | 12°43 | 27°30 | 3°59 | 15°18 | 8°42 | 12°37 | 23°14 | 27° 3 | 27° 4 | 4°35 | 8° 5 | T 11 |
| W12 | 3 41 57 | 24°30'20 | 3♈10 | 13°44 | 13°58 | 28°14 | 4°13 | 15°24 | 8°41 | 12°38 | 23°13 | 27° 2 | 27° 0 | 4°41 | 8° 2 | W12 |
| T 13 | 3 45 54 | 25°31'15 | 16° 0 | 15° 4 | 15°13 | 28°58 | 4°27 | 15°30 | 8°41 | 12°39 | 23°13 | 27° 2 | 26°57 | 4°48 | 7°59 | T 13 |
| F 14 | 3 49 50 | 26°32'11 | 28°37 | 16°23 | 16°28 | 29°43 | 4°40 | 15°37 | 8°41 | 12°40 | 23°12 | 27°D 2 | 26°54 | 4°55 | 7°57 | F 14 |
| S 15 | 3 53 47 | 27°33'08 | 11♉ 2 | 17°40 | 17°43 | 0♐27 | 4°54 | 15°43 | 8°41 | 12°41 | 23°12 | 27° 2 | 26°51 | 5° 1 | 7°54 | S 15 |
| S 16 | 3 57 43 | 28°34'06 | 23°16 | 18°54 | 18°58 | 1°12 | 5° 7 | 15°49 | 8°40 | 12°41 | 23°11 | 27°R 2 | 26°48 | 5° 8 | 7°51 | S 16 |
| M17 | 4 1 40 | 29°35'06 | 5♊21 | 20° 6 | 20°13 | 1°56 | 5°21 | 15°55 | 8°40 | 12°42 | 23°10 | 27° 2 | 26°45 | 5°15 | 7°48 | M17 |
| T 18 | 4 5 36 | 0♐36'06 | 17°19 | 21°15 | 21°28 | 2°41 | 5°34 | 16° 0 | 8°40 | 12°43 | 23° 9 | 27° 2 | 26°41 | 5°21 | 7°45 | T 18 |
| W19 | 4 9 33 | 1°37'07 | 29°12 | 22°21 | 22°43 | 3°25 | 5°48 | 16° 6 | 8°39 | 12°44 | 23° 9 | 27° 1 | 26°38 | 5°28 | 7°42 | W19 |
| T 20 | 4 13 29 | 2°38'09 | 11♋ 1 | 23°22 | 23°58 | 4°10 | 6° 2 | 16°12 | 8°39 | 12°44 | 23° 8 | 27° 1 | 26°35 | 5°35 | 7°40 | T 20 |
| F 21 | 4 17 26 | 3°39'12 | 22°50 | 24°19 | 25°13 | 4°55 | 6°15 | 16°18 | 8°38 | 12°45 | 23° 7 | 27° 0 | 26°32 | 5°41 | 7°37 | F 21 |
| S 22 | 4 21 23 | 4°40'16 | 4♌43 | 25°11 | 26°27 | 5°39 | 6°29 | 16°23 | 8°37 | 12°46 | 23° 6 | 26°59 | 26°29 | 5°48 | 7°34 | S 22 |
| S 23 | 4 25 19 | 5°41'21 | 16°42 | 25°57 | 27°42 | 6°24 | 6°43 | 16°29 | 8°36 | 12°46 | 23° 6 | 26°58 | 26°25 | 5°55 | 7°32 | S 23 |
| M24 | 4 29 16 | 6°42'27 | 28°52 | 26°36 | 28°57 | 7° 9 | 6°56 | 16°34 | 8°36 | 12°47 | 23° 5 | 26°57 | 26°22 | 6° 1 | 7°29 | M24 |
| T 25 | 4 33 12 | 7°43'34 | 11♍18 | 27° 8 | 0♑12 | 7°54 | 7°10 | 16°40 | 8°35 | 12°47 | 23° 4 | 26°D57 | 26°19 | 6° 8 | 7°26 | T 25 |
| W26 | 4 37 9 | 8°44'41 | 24° 3 | 27°31 | 1°27 | 8°39 | 7°24 | 16°45 | 8°34 | 12°48 | 23° 3 | 26°58 | 26°16 | 6°15 | 7°24 | W26 |
| T 27 | 4 41 5 | 9°45'50 | 7♎12 | 27°45 | 2°42 | 9°24 | 7°37 | 16°51 | 8°33 | 12°48 | 23° 2 | 26°59 | 26°13 | 6°21 | 7°21 | T 27 |
| F 28 | 4 45 2 | 10°47'00 | 20°48 | 27°R48 | 3°56 | 10° 9 | 7°51 | 16°56 | 8°32 | 12°49 | 23° 1 | 27° 0 | 26°10 | 6°28 | 7°19 | F 28 |
| S 29 | 4 48 58 | 11°48'10 | 4♏50 | 27°41 | 5°11 | 10°54 | 8° 5 | 17° 1 | 8°31 | 12°49 | 23° 0 | 27° 1 | 26° 6 | 6°35 | 7°16 | S 29 |
| S 30 | 4 52 55 | 12♐49'21 | 19♏19 | 27♐22 | 6♑26 | 11♐39 | 8♐18 | 17♎ 6 | 8♌30 | 12♍50 | 22♋59 | 27♏ 2 | 26♏ 3 | 6♋41 | 7♉14 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s56 | 12s57 | 2s39 | 21s43 | 1s57 | 20s44 | 0s25 | 18s 8 | 0s15 | 20s 9 | 0n29 | 3s30 | 2n19 | 18n49 | 0n39 | 8n 2 | 1n12 | 26n18 | 4n50 | 19s36 | 19s44 | 20n30 | 13n47 | 0s42 |
| S 2 | 16 14 | 16 42 | 1 25 | 22 7 | 2 1 | 21 2 | 0 28 | 18 20 | 0 16 | 20 12 | 0 29 | 3 33 | 2 19 | 18 49 | 0 39 | 8 2 | 1 12 | 26 19 | 4 50 | 19 36 | 19 43 | 20 30 | 13 46 | 0 42 |
| M 3 | 16 32 | 19 28 | 0 5 | 22 30 | 2 5 | 21 19 | 0 30 | 18 32 | 0 17 | 20 15 | 0 29 | 3 35 | 2 19 | 18 49 | 0 39 | 8 1 | 1 12 | 26 19 | 4 50 | 19 36 | 19 42 | 20 29 | 13 45 | 0 42 |
| T 4 | 16 50 | 20 57 | 1n16 | 22 52 | 2 9 | 21 36 | 0 33 | 18 44 | 0 17 | 20 18 | 0 29 | 3 38 | 2 20 | 18 49 | 0 39 | 8 1 | 1 12 | 26 19 | 4 51 | 19 36 | 19 42 | 20 28 | 13 44 | 0 43 |
| W 5 | 17 7 | 20 58 | 2 33 | 23 12 | 2 12 | 21 52 | 0 35 | 18 56 | 0 18 | 20 20 | 0 29 | 3 40 | 2 20 | 18 49 | 0 39 | 8 1 | 1 12 | 26 19 | 4 51 | 19 36 | 19 41 | 20 27 | 13 43 | 0 43 |
| T 6 | 17 24 | 19 32 | 3 38 | 23 31 | 2 15 | 22 8 | 0 38 | 19 8 | 0 18 | 20 23 | 0 28 | 3 42 | 2 20 | 18 49 | 0 39 | 8 0 | 1 12 | 26 20 | 4 51 | 19 36 | 19 40 | 20 26 | 13 41 | 0 43 |
| F 7 | 17 41 | 16 52 | 4 29 | 23 49 | 2 18 | 22 23 | 0 40 | 19 19 | 0 19 | 20 26 | 0 28 | 3 45 | 2 20 | 18 49 | 0 39 | 8 0 | 1 12 | 26 20 | 4 51 | 19 36 | 19 40 | 20 25 | 13 40 | 0 43 |
| S 8 | 17 58 | 13 13 | 5 2 | 24 6 | 2 20 | 22 37 | 0 42 | 19 31 | 0 20 | 20 28 | 0 28 | 3 47 | 2 20 | 18 49 | 0 39 | 7 59 | 1 12 | 26 20 | 4 51 | 19 37 | 19 39 | 20 24 | 13 39 | 0 43 |
| S 9 | 18 14 | 8 55 | 5 17 | 24 21 | 2 22 | 22 51 | 0 45 | 19 42 | 0 20 | 20 31 | 0 28 | 3 49 | 2 20 | 18 49 | 0 39 | 7 59 | 1 12 | 26 21 | 4 51 | 19 37 | 19 38 | 20 23 | 13 38 | 0 43 |
| M10 | 18 30 | 4 15 | 5 13 | 24 35 | 2 23 | 23 4 | 0 47 | 19 53 | 0 21 | 20 34 | 0 28 | 3 52 | 2 20 | 18 49 | 0 39 | 7 59 | 1 12 | 26 21 | 4 52 | 19 37 | 19 37 | 20 22 | 13 37 | 0 43 |
| T 11 | 18 45 | 0n32 | 4 52 | 24 47 | 2 24 | 23 16 | 0 49 | 20 4 | 0 21 | 20 36 | 0 28 | 3 54 | 2 20 | 18 49 | 0 39 | 7 58 | 1 12 | 26 21 | 4 52 | 19 36 | 19 37 | 20 21 | 13 36 | 0 43 |
| W12 | 19 0 | 5 11 | 4 17 | 24 58 | 2 25 | 23 28 | 0 52 | 20 14 | 0 22 | 20 39 | 0 28 | 3 56 | 2 21 | 18 49 | 0 39 | 7 58 | 1 12 | 26 21 | 4 52 | 19 36 | 19 36 | 20 20 | 13 35 | 0 43 |
| T 13 | 19 15 | 9 32 | 3 29 | 25 7 | 2 24 | 23 39 | 0 54 | 20 25 | 0 23 | 20 42 | 0 28 | 3 59 | 2 21 | 18 49 | 0 39 | 7 58 | 1 12 | 26 22 | 4 52 | 19 36 | 19 35 | 20 20 | 13 34 | 0 43 |
| F 14 | 19 29 | 13 24 | 2 32 | 25 15 | 2 24 | 23 49 | 0 56 | 20 35 | 0 23 | 20 44 | 0 28 | 4 1 | 2 21 | 18 50 | 0 39 | 7 57 | 1 12 | 26 22 | 4 52 | 19 36 | 19 34 | 20 19 | 13 33 | 0 43 |
| S 15 | 19 43 | 16 37 | 1 28 | 25 21 | 2 22 | 23 58 | 0 58 | 20 45 | 0 24 | 20 47 | 0 28 | 4 3 | 2 21 | 18 50 | 0 40 | 7 57 | 1 12 | 26 22 | 4 53 | 19 36 | 19 34 | 20 18 | 13 32 | 0 43 |
| S 16 | 19 57 | 19 2 | 0 21 | 25 26 | 2 20 | 24 7 | 1 1 | 20 55 | 0 24 | 20 49 | 0 27 | 4 5 | 2 21 | 18 50 | 0 40 | 7 57 | 1 12 | 26 23 | 4 53 | 19 36 | 19 33 | 20 17 | 13 31 | 0 43 |
| M17 | 20 10 | 20 34 | 0s46 | 25 29 | 2 17 | 24 15 | 1 3 | 21 4 | 0 25 | 20 52 | 0 27 | 4 7 | 2 21 | 18 50 | 0 40 | 7 57 | 1 12 | 26 23 | 4 53 | 19 36 | 19 32 | 20 16 | 13 30 | 0 44 |
| T 18 | 20 23 | 21 8 | 1 50 | 25 30 | 2 13 | 24 22 | 1 5 | 21 14 | 0 26 | 20 54 | 0 27 | 4 9 | 2 22 | 18 50 | 0 40 | 7 56 | 1 12 | 26 23 | 4 53 | 19 36 | 19 31 | 20 15 | 13 29 | 0 44 |
| W19 | 20 36 | 20 45 | 2 49 | 25 30 | 2 9 | 24 29 | 1 7 | 21 23 | 0 26 | 20 57 | 0 27 | 4 11 | 2 22 | 18 50 | 0 40 | 7 56 | 1 12 | 26 23 | 4 53 | 19 36 | 19 31 | 20 14 | 13 28 | 0 44 |
| T 20 | 20 48 | 19 27 | 3 41 | 25 27 | 2 3 | 24 35 | 1 9 | 21 32 | 0 27 | 20 59 | 0 27 | 4 13 | 2 22 | 18 50 | 0 40 | 7 56 | 1 13 | 26 24 | 4 53 | 19 36 | 19 30 | 20 13 | 13 27 | 0 44 |
| F 21 | 21 0 | 17 18 | 4 23 | 25 24 | 1 57 | 24 40 | 1 11 | 21 41 | 0 27 | 21 2 | 0 27 | 4 16 | 2 22 | 18 51 | 0 40 | 7 56 | 1 13 | 26 24 | 4 54 | 19 36 | 19 29 | 20 12 | 13 26 | 0 44 |
| S 22 | 21 11 | 14 26 | 4 54 | 25 18 | 1 49 | 24 44 | 1 13 | 21 50 | 0 28 | 21 4 | 0 27 | 4 18 | 2 22 | 18 51 | 0 40 | 7 55 | 1 13 | 26 24 | 4 54 | 19 36 | 19 29 | 20 11 | 13 25 | 0 44 |
| S 23 | 21 22 | 10 57 | 5 12 | 25 11 | 1 40 | 24 48 | 1 15 | 21 58 | 0 29 | 21 7 | 0 27 | 4 19 | 2 22 | 18 51 | 0 40 | 7 55 | 1 13 | 26 25 | 4 54 | 19 35 | 19 28 | 20 10 | 13 24 | 0 44 |
| M24 | 21 33 | 6 59 | 5 17 | 25 2 | 1 30 | 24 51 | 1 16 | 22 6 | 0 29 | 21 9 | 0 27 | 4 21 | 2 23 | 18 51 | 0 40 | 7 55 | 1 13 | 26 25 | 4 54 | 19 35 | 19 27 | 20 9 | 13 24 | 0 44 |
| T 25 | 21 43 | 2 38 | 5 7 | 24 51 | 1 19 | 24 53 | 1 18 | 22 14 | 0 30 | 21 11 | 0 27 | 4 23 | 2 23 | 18 52 | 0 40 | 7 55 | 1 13 | 26 25 | 4 54 | 19 35 | 19 26 | 20 8 | 13 23 | 0 44 |
| W26 | 21 53 | 1s57 | 4 43 | 24 39 | 1 6 | 24 54 | 1 20 | 22 22 | 0 30 | 21 14 | 0 27 | 4 25 | 2 23 | 18 52 | 0 40 | 7 55 | 1 13 | 26 26 | 4 55 | 19 35 | 19 26 | 20 7 | 13 22 | 0 44 |
| T 27 | 22 2 | 6 35 | 4 2 | 24 25 | 0 52 | 24 54 | 1 22 | 22 30 | 0 31 | 21 16 | 0 26 | 4 27 | 2 23 | 18 52 | 0 40 | 7 55 | 1 13 | 26 26 | 4 55 | 19 35 | 19 25 | 20 6 | 13 21 | 0 44 |
| F 28 | 22 11 | 11 3 | 3 8 | 24 10 | 0 36 | 24 54 | 1 23 | 22 37 | 0 32 | 21 18 | 0 26 | 4 29 | 2 23 | 18 52 | 0 40 | 7 54 | 1 13 | 26 26 | 4 55 | 19 36 | 19 24 | 20 5 | 13 20 | 0 44 |
| S 29 | 22 20 | 15 5 | 2 0 | 23 53 | 0 20 | 24 53 | 1 25 | 22 44 | 0 32 | 21 21 | 0 26 | 4 31 | 2 24 | 18 53 | 0 40 | 7 54 | 1 13 | 26 27 | 4 55 | 19 36 | 19 23 | 20 4 | 13 19 | 0 44 |
| S 30 | 22s28 | 18s20 | 0s43 | 23s35 | 0s 2 | 24s51 | 1s26 | 22s51 | 0s33 | 21s23 | 0n26 | 4s33 | 2n24 | 18n53 | 0n40 | 7n54 | 1n13 | 26n27 | 4n55 | 19s36 | 19s23 | 20n 3 | 13n18 | 0s44 |

Julian Day Number = 2068714.5, Delta T = 28m41s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°07'58, Lahiri = 9°14'58 Julian Calendar 1 Nov. 951 == Greg. Calendar 6 Nov. 951


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# ASTRODIENST EPHEMERIS for the year 951
# geocentric

## DECEMBER 951 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 56 52 | 13♐50'33 | 4♐ 9 | 26°R51 | 7♑41 | 12♐24 | 8♐32 | 17♎11 | 8°R29 | 12♍50 | 22°R58 | 27°R 2 | 26♏ 0 | 6♋48 | 7°R12 | M 1 |
| T 2 | 5 0 48 | 14°51'45 | 19°14 | 26♐ 9 | 8°56 | 13° 9 | 8°46 | 17°16 | 8♌28 | 12°50 | 22♋57 | 27♏ 1 | 25°57 | 6°55 | 7♉ 9 | T 2 |
| W 3 | 5 4 45 | 15°52'58 | 4♑24 | 25°16 | 10°10 | 13°55 | 8°59 | 17°21 | 8°26 | 12°51 | 22°56 | 26°59 | 25°54 | 7° 2 | 7° 7 | W 3 |
| T 4 | 5 8 41 | 16°54'11 | 19°31 | 24°13 | 11°25 | 14°40 | 9°13 | 17°26 | 8°25 | 12°51 | 22°55 | 26°56 | 25°51 | 7° 8 | 7° 5 | T 4 |
| F 5 | 5 12 38 | 17°55'24 | 4♒24 | 23° 1 | 12°40 | 15°25 | 9°27 | 17°31 | 8°24 | 12°51 | 22°54 | 26°53 | 25°47 | 7°15 | 7° 3 | F 5 |
| S 6 | 5 16 34 | 18°56'37 | 18°57 | 21°44 | 13°55 | 16°11 | 9°40 | 17°35 | 8°22 | 12°51 | 22°53 | 26°51 | 25°44 | 7°22 | 7° 0 | S 6 |
| S 7 | 5 20 31 | 19°57'50 | 3♓ 6 | 20°23 | 15° 9 | 16°56 | 9°54 | 17°40 | 8°21 | 12°51 | 22°52 | 26°49 | 25°41 | 7°28 | 6°58 | S 7 |
| M 8 | 5 24 28 | 20°59'02 | 16°49 | 19° 1 | 16°24 | 17°42 | 10° 7 | 17°44 | 8°19 | 12°51 | 22°51 | 26°D48 | 25°38 | 7°35 | 6°56 | M 8 |
| T 9 | 5 28 24 | 22° 0'15 | 0♈ 7 | 17°40 | 17°39 | 18°27 | 10°21 | 17°49 | 8°18 | 12°51 | 22°50 | 26°48 | 25°35 | 7°42 | 6°54 | T 9 |
| W10 | 5 32 21 | 23° 1'27 | 13° 3 | 16°24 | 18°53 | 19°13 | 10°34 | 17°53 | 8°16 | 12°R52 | 22°48 | 26°49 | 25°31 | 7°48 | 6°52 | W10 |
| T 11 | 5 36 17 | 24° 2'40 | 25°40 | 15°15 | 20° 8 | 19°58 | 10°48 | 17°58 | 8°15 | 12°52 | 22°47 | 26°51 | 25°28 | 7°55 | 6°51 | T 11 |
| F 12 | 5 40 14 | 25° 3'52 | 8♉ 1 | 14°14 | 21°22 | 20°44 | 11° 1 | 18° 2 | 8°13 | 12°51 | 22°46 | 26°53 | 25°25 | 8° 2 | 6°49 | F 12 |
| S 13 | 5 44 10 | 26° 5'04 | 20°11 | 13°22 | 22°37 | 21°30 | 11°15 | 18° 6 | 8°11 | 12°51 | 22°45 | 26°54 | 25°22 | 8° 8 | 6°47 | S 13 |
| S 14 | 5 48 7 | 27° 6'15 | 2♊13 | 12°40 | 23°51 | 22°15 | 11°28 | 18°10 | 8°10 | 12°51 | 22°44 | 26°R54 | 25°19 | 8°15 | 6°45 | S 14 |
| M15 | 5 52 3 | 28° 7'27 | 14° 8 | 12° 8 | 25° 6 | 23° 1 | 11°42 | 18°14 | 8° 8 | 12°51 | 22°42 | 26°52 | 25°16 | 8°22 | 6°44 | M15 |
| T 16 | 5 56 0 | 29° 8'38 | 26° 0 | 11°47 | 26°20 | 23°47 | 11°55 | 18°18 | 8° 6 | 12°51 | 22°41 | 26°49 | 25°12 | 8°28 | 6°42 | T 16 |
| W17 | 5 59 57 | 0♑ 9'49 | 7♋50 | 11°35 | 27°35 | 24°33 | 12° 9 | 18°21 | 8° 4 | 12°51 | 22°40 | 26°44 | 25° 9 | 8°35 | 6°41 | W17 |
| T 18 | 6 3 53 | 1°11'00 | 19°41 | 11°D33 | 28°49 | 25°19 | 12°22 | 18°25 | 8° 2 | 12°51 | 22°39 | 26°38 | 25° 6 | 8°42 | 6°39 | T 18 |
| F 19 | 6 7 50 | 2°12'11 | 1♌33 | 11°39 | 0♒ 4 | 26° 5 | 12°35 | 18°29 | 8° 0 | 12°50 | 22°37 | 26°31 | 25° 3 | 8°48 | 6°38 | F 19 |
| S 20 | 6 11 46 | 3°13'22 | 13°29 | 11°54 | 1°18 | 26°51 | 12°48 | 18°32 | 7°58 | 12°50 | 22°36 | 26°24 | 25° 0 | 8°55 | 6°36 | S 20 |
| S 21 | 6 15 43 | 4°14'32 | 25°31 | 12°15 | 2°32 | 27°37 | 13° 2 | 18°36 | 7°56 | 12°50 | 22°35 | 26°18 | 24°57 | 9° 2 | 6°35 | S 21 |
| M22 | 6 19 39 | 5°15'43 | 7♍43 | 12°44 | 3°47 | 28°23 | 13°15 | 18°39 | 7°54 | 12°49 | 22°34 | 26°13 | 24°53 | 9° 8 | 6°34 | M22 |
| T 23 | 6 23 36 | 6°16'53 | 20° 7 | 13°18 | 5° 1 | 29° 9 | 13°28 | 18°42 | 7°52 | 12°49 | 22°32 | 26° 9 | 24°50 | 9°15 | 6°32 | T 23 |
| W24 | 6 27 32 | 7°18'03 | 2♎47 | 13°58 | 6°15 | 29°55 | 13°41 | 18°45 | 7°50 | 12°48 | 22°31 | 26°D 8 | 24°47 | 9°22 | 6°31 | W24 |
| T 25 | 6 31 29 | 8°19'13 | 15°47 | 14°43 | 7°29 | 0♑41 | 13°54 | 18°48 | 7°48 | 12°48 | 22°30 | 26° 8 | 24°44 | 9°29 | 6°30 | T 25 |
| F 26 | 6 35 26 | 9°20'22 | 29°11 | 15°33 | 8°44 | 1°27 | 14° 7 | 18°51 | 7°46 | 12°47 | 22°28 | 26° 9 | 24°41 | 9°35 | 6°29 | F 26 |
| S 27 | 6 39 22 | 10°21'32 | 13♏ 1 | 16°26 | 9°58 | 2°13 | 14°20 | 18°54 | 7°44 | 12°47 | 22°27 | 26°11 | 24°37 | 9°42 | 6°28 | S 27 |
| S 28 | 6 43 19 | 11°22'41 | 27°19 | 17°23 | 11°12 | 3° 0 | 14°33 | 18°57 | 7°41 | 12°46 | 22°26 | 26°R11 | 24°34 | 9°49 | 6°27 | S 28 |
| M29 | 6 47 15 | 12°23'49 | 12♐ 2 | 18°23 | 12°26 | 3°46 | 14°46 | 19° 0 | 7°39 | 12°46 | 22°24 | 26°10 | 24°31 | 9°55 | 6°26 | M29 |
| T 30 | 6 51 12 | 13°24'58 | 27° 6 | 19°25 | 13°40 | 4°32 | 14°59 | 19° 2 | 7°37 | 12°45 | 22°23 | 26° 7 | 24°28 | 10° 2 | 6°26 | T 30 |
| W31 | 6 55 8 | 14♑26'06 | 12♑22 | 20♐31 | 14♒54 | 5♑19 | 15♐12 | 19♎ 5 | 7♌34 | 12♍44 | 22♋22 | 26♏ 1 | 24♏25 | 10♋ 9 | 6♉25 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s35 | 20s27 | 0n39 | 23s15 | 0n17 | 24s49 | 1s28 | 22s57 | 0s33 | 21s25 | 0n26 | 4s34 | 2n24 | 18n53 | 0n40 | 7n54 | 1n13 | 26n27 | 4n55 | 19s36 | 19s22 | 20n 2 | 13n17 | 0s44 |
| T 2 | 22 43 | 21 9 | 2 0 | 22 55 | 0 37 | 24 45 | 1 29 | 23 4 | 0 34 | 21 27 | 0 26 | 4 36 | 2 24 | 18 54 | 0 40 | 7 54 | 1 13 | 26 28 | 4 55 | 19 36 | 19 21 | 20 1 | 13 17 | 0 44 |
| W 3 | 22 49 | 20 18 | 3 12 | 22 33 | 0 57 | 24 41 | 1 30 | 23 10 | 0 34 | 21 30 | 0 26 | 4 38 | 2 24 | 18 54 | 0 40 | 7 54 | 1 13 | 26 28 | 4 56 | 19 36 | 19 20 | 20 0 | 13 16 | 0 45 |
| T 4 | 22 55 | 18 0 | 4 11 | 22 10 | 1 17 | 24 36 | 1 32 | 23 16 | 0 35 | 21 32 | 0 26 | 4 39 | 2 25 | 18 54 | 0 40 | 7 54 | 1 13 | 26 28 | 4 56 | 19 35 | 19 20 | 19 59 | 13 15 | 0 45 |
| F 5 | 23 1 | 14 33 | 4 51 | 21 47 | 1 36 | 24 31 | 1 33 | 23 22 | 0 35 | 21 34 | 0 26 | 4 41 | 2 25 | 18 55 | 0 40 | 7 54 | 1 13 | 26 29 | 4 56 | 19 34 | 19 19 | 19 58 | 13 14 | 0 45 |
| S 6 | 23 7 | 10 17 | 5 12 | 21 24 | 1 55 | 24 24 | 1 34 | 23 27 | 0 36 | 21 36 | 0 26 | 4 43 | 2 25 | 18 55 | 0 40 | 7 54 | 1 13 | 26 29 | 4 56 | 19 34 | 19 18 | 19 57 | 13 14 | 0 45 |
| S 7 | 23 11 | 5 33 | 5 13 | 21 2 | 2 12 | 24 17 | 1 35 | 23 32 | 0 37 | 21 38 | 0 26 | 4 44 | 2 25 | 18 56 | 0 40 | 7 54 | 1 13 | 26 29 | 4 56 | 19 33 | 19 17 | 19 56 | 13 13 | 0 45 |
| M 8 | 23 16 | 0 41 | 4 56 | 20 40 | 2 27 | 24 9 | 1 36 | 23 37 | 0 37 | 21 40 | 0 26 | 4 46 | 2 25 | 18 56 | 0 40 | 7 54 | 1 13 | 26 30 | 4 56 | 19 33 | 19 16 | 19 55 | 13 12 | 0 45 |
| T 9 | 23 20 | 4n 4 | 4 24 | 20 20 | 2 41 | 24 1 | 1 37 | 23 42 | 0 38 | 21 42 | 0 25 | 4 47 | 2 26 | 18 57 | 0 40 | 7 54 | 1 14 | 26 30 | 4 57 | 19 33 | 19 16 | 19 54 | 13 11 | 0 45 |
| W10 | 23 23 | 8 32 | 3 38 | 20 2 | 2 52 | 23 51 | 1 38 | 23 46 | 0 38 | 21 44 | 0 25 | 4 49 | 2 26 | 18 57 | 0 40 | 7 54 | 1 14 | 26 30 | 4 57 | 19 33 | 19 15 | 19 53 | 13 11 | 0 45 |
| T 11 | 23 26 | 12 30 | 2 43 | 19 46 | 3 0 | 23 41 | 1 39 | 23 50 | 0 39 | 21 46 | 0 25 | 4 50 | 2 26 | 18 57 | 0 41 | 7 54 | 1 14 | 26 31 | 4 57 | 19 34 | 19 14 | 19 52 | 13 10 | 0 45 |
| F 12 | 23 29 | 15 52 | 1 42 | 19 33 | 3 6 | 23 30 | 1 40 | 23 54 | 0 39 | 21 48 | 0 25 | 4 51 | 2 26 | 18 58 | 0 41 | 7 54 | 1 14 | 26 31 | 4 57 | 19 34 | 19 13 | 19 51 | 13 9 | 0 45 |
| S 13 | 23 31 | 18 29 | 0 37 | 19 23 | 3 10 | 23 19 | 1 40 | 23 58 | 0 40 | 21 50 | 0 25 | 4 53 | 2 27 | 18 58 | 0 41 | 7 54 | 1 14 | 26 31 | 4 57 | 19 34 | 19 13 | 19 50 | 13 9 | 0 45 |
| S 14 | 23 32 | 20 15 | 0s29 | 19 16 | 3 12 | 23 7 | 1 41 | 24 1 | 0 40 | 21 52 | 0 25 | 4 54 | 2 27 | 18 59 | 0 41 | 7 54 | 1 14 | 26 32 | 4 57 | 19 34 | 19 12 | 19 49 | 13 8 | 0 45 |
| M15 | 23 34 | 21 5 | 1 33 | 19 13 | 3 11 | 22 54 | 1 42 | 24 4 | 0 41 | 21 54 | 0 25 | 4 55 | 2 27 | 18 59 | 0 41 | 7 54 | 1 14 | 26 32 | 4 57 | 19 34 | 19 11 | 19 48 | 13 8 | 0 45 |
| T 16 | 23 34 | 20 58 | 2 33 | 19 12 | 3 9 | 22 40 | 1 42 | 24 7 | 0 41 | 21 56 | 0 25 | 4 57 | 2 27 | 19 0 | 0 41 | 7 55 | 1 14 | 26 32 | 4 58 | 19 33 | 19 10 | 19 47 | 13 7 | 0 45 |
| W17 | 23 34 | 19 56 | 3 25 | 19 14 | 3 6 | 22 26 | 1 42 | 24 10 | 0 42 | 21 58 | 0 25 | 4 58 | 2 27 | 19 0 | 0 41 | 7 55 | 1 14 | 26 33 | 4 58 | 19 32 | 19 10 | 19 46 | 13 6 | 0 45 |
| T 18 | 23 34 | 18 1 | 4 9 | 19 18 | 3 1 | 22 11 | 1 43 | 24 12 | 0 43 | 22 0 | 0 25 | 4 59 | 2 28 | 19 1 | 0 41 | 7 55 | 1 14 | 26 33 | 4 58 | 19 31 | 19 9 | 19 44 | 13 6 | 0 45 |
| F 19 | 23 33 | 15 21 | 4 42 | 19 25 | 2 55 | 21 56 | 1 43 | 24 14 | 0 43 | 22 1 | 0 25 | 5 0 | 2 28 | 19 1 | 0 41 | 7 55 | 1 14 | 26 33 | 4 58 | 19 29 | 19 8 | 19 43 | 13 5 | 0 45 |
| S 20 | 23 32 | 12 2 | 5 3 | 19 33 | 2 49 | 21 40 | 1 43 | 24 16 | 0 44 | 22 3 | 0 25 | 5 1 | 2 28 | 19 2 | 0 41 | 7 55 | 1 14 | 26 34 | 4 58 | 19 28 | 19 7 | 19 42 | 13 5 | 0 45 |
| S 21 | 23 30 | 8 13 | 5 10 | 19 44 | 2 41 | 21 23 | 1 43 | 24 17 | 0 44 | 22 5 | 0 25 | 5 2 | 2 28 | 19 3 | 0 41 | 7 55 | 1 14 | 26 34 | 4 58 | 19 26 | 19 7 | 19 41 | 13 4 | 0 45 |
| M22 | 23 28 | 4 1 | 5 4 | 19 55 | 2 33 | 21 5 | 1 43 | 24 18 | 0 45 | 22 7 | 0 25 | 5 3 | 2 29 | 19 3 | 0 41 | 7 55 | 1 14 | 26 34 | 4 58 | 19 25 | 19 6 | 19 40 | 13 4 | 0 45 |
| T 23 | 23 25 | 0s25 | 4 44 | 20 8 | 2 25 | 20 47 | 1 43 | 24 19 | 0 45 | 22 8 | 0 24 | 5 4 | 2 29 | 19 4 | 0 41 | 7 56 | 1 14 | 26 35 | 4 58 | 19 24 | 19 5 | 19 39 | 13 4 | 0 46 |
| W24 | 23 22 | 4 55 | 4 9 | 20 21 | 2 16 | 20 29 | 1 43 | 24 20 | 0 46 | 22 10 | 0 24 | 5 5 | 2 29 | 19 4 | 0 41 | 7 56 | 1 14 | 26 35 | 4 58 | 19 24 | 19 4 | 19 38 | 13 3 | 0 46 |
| T 25 | 23 19 | 9 20 | 3 21 | 20 35 | 2 7 | 20 10 | 1 43 | 24 20 | 0 46 | 22 12 | 0 24 | 5 6 | 2 29 | 19 5 | 0 41 | 7 56 | 1 14 | 26 35 | 4 59 | 19 24 | 19 3 | 19 37 | 13 3 | 0 46 |
| F 26 | 23 15 | 13 27 | 2 21 | 20 50 | 1 58 | 19 50 | 1 43 | 24 21 | 0 47 | 22 13 | 0 24 | 5 7 | 2 30 | 19 5 | 0 41 | 7 56 | 1 14 | 26 36 | 4 59 | 19 24 | 19 3 | 19 36 | 13 2 | 0 46 |
| S 27 | 23 10 | 16 57 | 1 11 | 21 4 | 1 49 | 19 29 | 1 42 | 24 20 | 0 47 | 22 15 | 0 24 | 5 8 | 2 30 | 19 6 | 0 41 | 7 57 | 1 14 | 26 36 | 4 59 | 19 24 | 19 2 | 19 35 | 13 2 | 0 46 |
| S 28 | 23 5 | 19 34 | 0n 6 | 21 19 | 1 39 | 19 9 | 1 42 | 24 20 | 0 48 | 22 16 | 0 24 | 5 9 | 2 30 | 19 7 | 0 41 | 7 57 | 1 14 | 26 36 | 4 59 | 19 24 | 19 1 | 19 34 | 13 2 | 0 46 |
| M29 | 22 59 | 20 58 | 1 25 | 21 34 | 1 30 | 18 47 | 1 41 | 24 19 | 0 48 | 22 18 | 0 24 | 5 10 | 2 30 | 19 7 | 0 41 | 7 57 | 1 14 | 26 37 | 4 59 | 19 24 | 19 0 | 19 32 | 13 1 | 0 46 |
| T 30 | 22 54 | 20 53 | 2 39 | 21 48 | 1 21 | 18 25 | 1 41 | 24 18 | 0 49 | 22 20 | 0 24 | 5 10 | 2 31 | 19 8 | 0 41 | 7 57 | 1 15 | 26 37 | 4 59 | 19 23 | 19 0 | 19 31 | 13 1 | 0 46 |
| W31 | 22s47 | 19s18 | 3n43 | 22s 3 | 1n11 | 18s 3 | 1s40 | 24s17 | 0s49 | 22s21 | 0n24 | 5s11 | 2n31 | 19n 8 | 0n41 | 7n58 | 1n15 | 26n37 | 4n59 | 19s22 | 18s59 | 19n30 | 13n 1 | 0s46 |

Julian Day Number = 2068744.5, Delta T = 28m40s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'02, Lahiri = 9°15'02 Julian Calendar 1 Dec. 951 == Greg. Calendar 6 Dec. 951


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## JANUARY 952 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 59 5 | 15♑27'12 | 27♑40 | 21♐39 | 16♒ 8 | 6♑ 5 | 15♐25 | 19♎ 7 | 7°R32 | 12°R44 | 22°R20 | 25°R54 | 24♏22 | 10♋15 | 6°R24 | T 1 |
| F 2 | 7 3 1 | 16°28'19 | 12♒50 | 22°49 | 17°22 | 6°51 | 15°37 | 19° 9 | 7♌30 | 12♍43 | 22♋19 | 25♏46 | 24°18 | 10°22 | 6♉24 | F 2 |
| S 3 | 7 6 58 | 17°29'24 | 27°40 | 24° 0 | 18°36 | 7°38 | 15°50 | 19°12 | 7°27 | 12°42 | 22°17 | 25°38 | 24°15 | 10°29 | 6°23 | S 3 |
| S 4 | 7 10 55 | 18°30'28 | 12♓ 4 | 25°14 | 19°50 | 8°24 | 16° 3 | 19°14 | 7°25 | 12°41 | 22°16 | 25°31 | 24°12 | 10°35 | 6°23 | S 4 |
| M 5 | 7 14 51 | 19°31'30 | 25°58 | 26°29 | 21° 4 | 9°11 | 16°15 | 19°16 | 7°22 | 12°41 | 22°15 | 25°26 | 24° 9 | 10°42 | 6°22 | M 5 |
| T 6 | 7 18 48 | 20°32'32 | 9♈23 | 27°46 | 22°17 | 9°57 | 16°28 | 19°17 | 7°20 | 12°40 | 22°13 | 25°24 | 24° 6 | 10°49 | 6°22 | T 6 |
| W 7 | 7 22 44 | 21°33'32 | 22°21 | 29° 4 | 23°31 | 10°44 | 16°40 | 19°19 | 7°17 | 12°39 | 22°12 | 25°D23 | 24° 2 | 10°55 | 6°22 | W 7 |
| T 8 | 7 26 41 | 22°34'31 | 4♉56 | 0♑24 | 24°45 | 11°30 | 16°53 | 19°21 | 7°15 | 12°38 | 22°11 | 25°24 | 23°59 | 11° 2 | 6°22 | T 8 |
| F 9 | 7 30 37 | 23°35'29 | 17°12 | 1°44 | 25°58 | 12°17 | 17° 5 | 19°22 | 7°12 | 12°37 | 22° 9 | 25°24 | 23°56 | 11° 9 | 6°22 | F 9 |
| S 10 | 7 34 34 | 24°36'26 | 29°15 | 3° 6 | 27°12 | 13° 4 | 17°17 | 19°24 | 7°10 | 12°36 | 22° 8 | 25°R25 | 23°53 | 11°16 | 6°21 | S 10 |
| S 11 | 7 38 30 | 25°37'21 | 11♊ 9 | 4°29 | 28°26 | 13°50 | 17°29 | 19°25 | 7° 7 | 12°35 | 22° 6 | 25°23 | 23°50 | 11°22 | 6°D21 | S 11 |
| M12 | 7 42 27 | 26°38'15 | 22°59 | 5°53 | 29°39 | 14°37 | 17°42 | 19°26 | 7° 5 | 12°34 | 22° 5 | 25°19 | 23°47 | 11°29 | 6°22 | M12 |
| T 13 | 7 46 24 | 27°39'08 | 4♋48 | 7°18 | 0♓52 | 15°24 | 17°54 | 19°28 | 7° 2 | 12°33 | 22° 4 | 25°13 | 23°43 | 11°36 | 6°22 | T 13 |
| W14 | 7 50 20 | 28°39'59 | 16°38 | 8°44 | 2° 6 | 16°10 | 18° 6 | 19°29 | 7° 0 | 12°32 | 22° 2 | 25° 3 | 23°40 | 11°42 | 6°22 | W14 |
| T 15 | 7 54 17 | 29°40'50 | 28°31 | 10°11 | 3°19 | 16°57 | 18°18 | 19°30 | 6°57 | 12°31 | 22° 1 | 24°52 | 23°37 | 11°49 | 6°22 | T 15 |
| F 16 | 7 58 13 | 0♒41'38 | 10♌30 | 11°38 | 4°32 | 17°44 | 18°29 | 19°30 | 6°54 | 12°30 | 22° 0 | 24°39 | 23°34 | 11°56 | 6°22 | F 16 |
| S 17 | 8 2 10 | 1°42'26 | 22°34 | 13° 7 | 5°45 | 18°31 | 18°41 | 19°31 | 6°52 | 12°29 | 21°58 | 24°26 | 23°31 | 12° 2 | 6°23 | S 17 |
| S 18 | 8 6 6 | 2°43'12 | 4♍46 | 14°36 | 6°58 | 19°17 | 18°53 | 19°32 | 6°49 | 12°27 | 21°57 | 24°14 | 23°28 | 12° 9 | 6°23 | S 18 |
| M19 | 8 10 3 | 3°43'58 | 17° 6 | 16° 7 | 8°11 | 20° 4 | 19° 5 | 19°32 | 6°47 | 12°26 | 21°56 | 24° 3 | 23°24 | 12°16 | 6°24 | M19 |
| T 20 | 8 13 59 | 4°44'41 | 29°36 | 17°38 | 9°24 | 20°51 | 19°16 | 19°33 | 6°44 | 12°25 | 21°54 | 23°56 | 23°21 | 12°22 | 6°24 | T 20 |
| W21 | 8 17 56 | 5°45'24 | 12♎20 | 19°10 | 10°37 | 21°38 | 19°28 | 19°33 | 6°41 | 12°24 | 21°53 | 23°51 | 23°18 | 12°29 | 6°25 | W21 |
| T 22 | 8 21 53 | 6°46'06 | 25°18 | 20°43 | 11°50 | 22°25 | 19°39 | 19°33 | 6°39 | 12°22 | 21°52 | 23°48 | 23°15 | 12°36 | 6°26 | T 22 |
| F 23 | 8 25 49 | 7°46'46 | 8♏36 | 22°16 | 13° 3 | 23°12 | 19°50 | 19°R33 | 6°36 | 12°21 | 21°50 | 23°D48 | 23°12 | 12°42 | 6°26 | F 23 |
| S 24 | 8 29 46 | 8°47'26 | 22°14 | 23°51 | 14°16 | 23°59 | 20° 2 | 19°33 | 6°34 | 12°20 | 21°49 | 23°R48 | 23° 8 | 12°49 | 6°27 | S 24 |
| S 25 | 8 33 42 | 9°48'04 | 6♐16 | 25°26 | 15°28 | 24°46 | 20°13 | 19°33 | 6°31 | 12°19 | 21°48 | 23°47 | 23° 5 | 12°56 | 6°28 | S 25 |
| M26 | 8 37 39 | 10°48'41 | 20°42 | 27° 3 | 16°41 | 25°33 | 20°24 | 19°33 | 6°28 | 12°17 | 21°46 | 23°45 | 23° 2 | 13° 3 | 6°29 | M26 |
| T 27 | 8 41 35 | 11°49'17 | 5♑29 | 28°40 | 17°53 | 26°20 | 20°35 | 19°33 | 6°26 | 12°16 | 21°45 | 23°40 | 22°59 | 13° 9 | 6°30 | T 27 |
| W28 | 8 45 32 | 12°49'51 | 20°32 | 0♒18 | 19° 6 | 27° 7 | 20°46 | 19°32 | 6°23 | 12°14 | 21°44 | 23°32 | 22°56 | 13°16 | 6°31 | W28 |
| T 29 | 8 49 29 | 13°50'24 | 5♒41 | 1°57 | 20°18 | 27°54 | 20°56 | 19°32 | 6°20 | 12°13 | 21°43 | 23°22 | 22°53 | 13°23 | 6°32 | T 29 |
| F 30 | 8 53 25 | 14°50'55 | 20°48 | 3°37 | 21°30 | 28°41 | 21° 7 | 19°31 | 6°18 | 12°12 | 21°41 | 23°11 | 22°49 | 13°29 | 6°34 | F 30 |
| S 31 | 8 57 22 | 15♒51'24 | 5♓41 | 5♒17 | 22♓42 | 29♑28 | 21♐18 | 19♎30 | 6♌15 | 12♍10 | 21♋40 | 22♏59 | 22♏46 | 13♋36 | 6♉35 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s40 | 16s19 | 4n31 | 22s16 | 1n 2 | 17s40 | 1s39 | 24s15 | 0s50 | 22s22 | 0n24 | 5s12 | 2n31 | 19n 9 | 0n41 | 7n58 | 1n15 | 26n38 | 4n59 | 19s20 | 18s58 | 19n29 | 13n 1 | 0s46 |
| F 2 | 22 33 | 12 16 | 4 59 | 22 30 | 0 53 | 17 17 | 1 38 | 24 14 | 0 50 | 22 24 | 0 24 | 5 12 | 2 31 | 19 10 | 0 41 | 7 58 | 1 15 | 26 38 | 4 59 | 19 18 | 18 57 | 19 28 | 13 0 | 0 46 |
| S 3 | 22 25 | 7 33 | 5 7 | 22 42 | 0 44 | 16 53 | 1 37 | 24 11 | 0 50 | 22 25 | 0 24 | 5 13 | 2 32 | 19 10 | 0 41 | 7 59 | 1 15 | 26 38 | 4 59 | 19 17 | 18 56 | 19 27 | 13 0 | 0 46 |
| S 4 | 22 17 | 2 32 | 4 54 | 22 54 | 0 35 | 16 28 | 1 36 | 24 9 | 0 51 | 22 27 | 0 24 | 5 13 | 2 32 | 19 11 | 0 41 | 7 59 | 1 15 | 26 39 | 5 0 | 19 15 | 18 56 | 19 26 | 13 0 | 0 46 |
| M 5 | 22 9 | 2n26 | 4 25 | 23 5 | 0 26 | 16 4 | 1 35 | 24 6 | 0 51 | 22 28 | 0 24 | 5 14 | 2 32 | 19 12 | 0 41 | 7 59 | 1 15 | 26 39 | 5 0 | 19 14 | 18 55 | 19 25 | 13 0 | 0 46 |
| T 6 | 22 0 | 7 8 | 3 41 | 23 16 | 0 18 | 15 39 | 1 34 | 24 4 | 0 52 | 22 29 | 0 24 | 5 14 | 2 33 | 19 12 | 0 41 | 8 0 | 1 15 | 26 39 | 5 0 | 19 13 | 18 54 | 19 24 | 13 0 | 0 46 |
| W 7 | 21 50 | 11 20 | 2 48 | 23 25 | 0 9 | 15 13 | 1 33 | 24 0 | 0 52 | 22 31 | 0 23 | 5 15 | 2 33 | 19 13 | 0 41 | 8 0 | 1 15 | 26 40 | 5 0 | 19 13 | 18 53 | 19 22 | 12 59 | 0 46 |
| T 8 | 21 40 | 14 56 | 1 48 | 23 34 | 0 1 | 14 47 | 1 32 | 23 57 | 0 53 | 22 32 | 0 23 | 5 15 | 2 33 | 19 14 | 0 41 | 8 1 | 1 15 | 26 40 | 5 0 | 19 13 | 18 52 | 19 21 | 12 59 | 0 46 |
| F 9 | 21 30 | 17 46 | 0 44 | 23 41 | 0s 7 | 14 21 | 1 30 | 23 53 | 0 53 | 22 33 | 0 23 | 5 16 | 2 33 | 19 14 | 0 41 | 8 1 | 1 15 | 26 40 | 5 0 | 19 13 | 18 52 | 19 20 | 12 59 | 0 46 |
| S 10 | 21 19 | 19 46 | 0s21 | 23 47 | 0 15 | 13 54 | 1 29 | 23 49 | 0 54 | 22 35 | 0 23 | 5 16 | 2 34 | 19 15 | 0 41 | 8 1 | 1 15 | 26 40 | 5 0 | 19 13 | 18 51 | 19 19 | 12 59 | 0 46 |
| S 11 | 21 8 | 20 52 | 1 23 | 23 53 | 0 23 | 13 27 | 1 27 | 23 45 | 0 54 | 22 36 | 0 23 | 5 16 | 2 34 | 19 16 | 0 41 | 8 2 | 1 15 | 26 41 | 5 0 | 19 13 | 18 50 | 19 18 | 12 59 | 0 46 |
| M12 | 20 57 | 21 2 | 2 22 | 23 57 | 0 30 | 13 0 | 1 26 | 23 40 | 0 54 | 22 37 | 0 23 | 5 16 | 2 34 | 19 16 | 0 41 | 8 2 | 1 15 | 26 41 | 5 0 | 19 12 | 18 49 | 19 17 | 12 59 | 0 46 |
| T 13 | 20 45 | 20 15 | 3 14 | 24 0 | 0 38 | 12 32 | 1 24 | 23 35 | 0 55 | 22 38 | 0 23 | 5 17 | 2 34 | 19 17 | 0 41 | 8 3 | 1 15 | 26 41 | 5 0 | 19 10 | 18 49 | 19 15 | 12 59 | 0 46 |
| W14 | 20 33 | 18 36 | 3 58 | 24 2 | 0 45 | 12 4 | 1 22 | 23 30 | 0 55 | 22 39 | 0 23 | 5 17 | 2 35 | 19 18 | 0 41 | 8 3 | 1 15 | 26 42 | 5 0 | 19 8 | 18 48 | 19 14 | 12 59 | 0 46 |
| T 15 | 20 20 | 16 9 | 4 31 | 24 2 | 0 51 | 11 35 | 1 20 | 23 25 | 0 56 | 22 40 | 0 23 | 5 17 | 2 35 | 19 18 | 0 41 | 8 4 | 1 15 | 26 42 | 5 0 | 19 5 | 18 47 | 19 13 | 12 59 | 0 46 |
| F 16 | 20 7 | 13 0 | 4 53 | 24 1 | 0 58 | 11 7 | 1 18 | 23 19 | 0 56 | 22 41 | 0 23 | 5 17 | 2 35 | 19 19 | 0 41 | 8 4 | 1 15 | 26 42 | 5 0 | 19 2 | 18 46 | 19 12 | 12 59 | 0 46 |
| S 17 | 19 53 | 9 19 | 5 2 | 23 59 | 1 4 | 10 38 | 1 16 | 23 13 | 0 57 | 22 42 | 0 23 | 5 17 | 2 36 | 19 20 | 0 41 | 8 5 | 1 15 | 26 42 | 5 0 | 18 59 | 18 45 | 19 11 | 12 59 | 0 47 |
| S 18 | 19 40 | 5 13 | 4 57 | 23 56 | 1 10 | 10 9 | 1 14 | 23 7 | 0 57 | 22 44 | 0 23 | 5 17 | 2 36 | 19 20 | 0 41 | 8 5 | 1 15 | 26 43 | 5 0 | 18 56 | 18 45 | 19 10 | 13 0 | 0 47 |
| M19 | 19 26 | 0 51 | 4 38 | 23 51 | 1 16 | 9 39 | 1 12 | 23 0 | 0 57 | 22 45 | 0 23 | 5 17 | 2 36 | 19 21 | 0 41 | 8 5 | 1 15 | 26 43 | 5 0 | 18 53 | 18 44 | 19 8 | 13 0 | 0 47 |
| T 20 | 19 11 | 3s36 | 4 6 | 23 45 | 1 22 | 9 10 | 1 10 | 22 54 | 0 58 | 22 46 | 0 23 | 5 17 | 2 36 | 19 22 | 0 41 | 8 6 | 1 15 | 26 43 | 5 1 | 18 52 | 18 43 | 19 7 | 13 0 | 0 47 |
| W21 | 18 56 | 7 59 | 3 21 | 23 38 | 1 27 | 8 40 | 1 7 | 22 47 | 0 58 | 22 47 | 0 23 | 5 17 | 2 37 | 19 22 | 0 41 | 8 7 | 1 15 | 26 44 | 5 1 | 18 50 | 18 42 | 19 6 | 13 0 | 0 47 |
| T 22 | 18 41 | 12 5 | 2 25 | 23 29 | 1 32 | 8 10 | 1 5 | 22 40 | 0 58 | 22 47 | 0 23 | 5 16 | 2 37 | 19 23 | 0 41 | 8 7 | 1 15 | 26 44 | 5 1 | 18 50 | 18 41 | 19 5 | 13 0 | 0 47 |
| F 23 | 18 26 | 15 42 | 1 20 | 23 18 | 1 36 | 7 39 | 1 2 | 22 32 | 0 59 | 22 48 | 0 23 | 5 16 | 2 37 | 19 24 | 0 41 | 8 8 | 1 16 | 26 44 | 5 1 | 18 50 | 18 41 | 19 4 | 13 0 | 0 47 |
| S 24 | 18 10 | 18 34 | 0 8 | 23 6 | 1 41 | 7 9 | 1 0 | 22 24 | 0 59 | 22 49 | 0 23 | 5 16 | 2 37 | 19 24 | 0 41 | 8 8 | 1 16 | 26 44 | 5 1 | 18 50 | 18 40 | 19 3 | 13 1 | 0 47 |
| S 25 | 17 54 | 20 24 | 1n 6 | 22 53 | 1 45 | 6 38 | 0 57 | 22 16 | 1 0 | 22 50 | 0 22 | 5 16 | 2 38 | 19 25 | 0 41 | 8 9 | 1 16 | 26 45 | 5 1 | 18 50 | 18 39 | 19 1 | 13 1 | 0 47 |
| M26 | 17 37 | 20 58 | 2 17 | 22 38 | 1 48 | 6 7 | 0 55 | 22 8 | 1 0 | 22 51 | 0 22 | 5 15 | 2 38 | 19 26 | 0 41 | 8 9 | 1 16 | 26 45 | 5 1 | 18 49 | 18 38 | 19 0 | 13 1 | 0 47 |
| T 27 | 17 20 | 20 6 | 3 21 | 22 22 | 1 52 | 5 37 | 0 52 | 21 59 | 1 0 | 22 52 | 0 22 | 5 15 | 2 38 | 19 26 | 0 41 | 8 10 | 1 16 | 26 45 | 5 1 | 18 48 | 18 37 | 18 59 | 13 2 | 0 47 |
| W28 | 17 3 | 17 50 | 4 13 | 22 4 | 1 55 | 5 5 | 0 49 | 21 51 | 1 1 | 22 53 | 0 22 | 5 15 | 2 38 | 19 27 | 0 41 | 8 10 | 1 16 | 26 45 | 5 1 | 18 46 | 18 37 | 18 58 | 13 2 | 0 47 |
| T 29 | 16 46 | 14 19 | 4 47 | 21 45 | 1 57 | 4 34 | 0 46 | 21 42 | 1 1 | 22 54 | 0 22 | 5 14 | 2 39 | 19 28 | 0 41 | 8 11 | 1 16 | 26 46 | 5 1 | 18 43 | 18 36 | 18 57 | 13 2 | 0 47 |
| F 30 | 16 28 | 9 54 | 5 0 | 21 24 | 2 0 | 4 3 | 0 43 | 21 32 | 1 1 | 22 54 | 0 22 | 5 14 | 2 39 | 19 28 | 0 41 | 8 11 | 1 16 | 26 46 | 5 1 | 18 40 | 18 35 | 18 55 | 13 3 | 0 47 |
| S 31 | 16s10 | 4s56 | 4n53 | 21s 1 | 2s 2 | 3s32 | 0s40 | 21s23 | 1s 2 | 22s55 | 0n22 | 5s13 | 2n39 | 19n29 | 0n41 | 8n12 | 1n16 | 26n46 | 5n 1 | 18s37 | 18s34 | 18n54 | 13n 3 | 0s47 |

Julian Day Number = 2068775.5, Delta T = 28m40s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'06, Lahiri = 9°15'07 Julian Calendar 1 Jan. 952 == Greg. Calendar 6 Jan. 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## FEBRUARY 952 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 1 18 | 16♒51'52 | 20♓11 | 6♒59 | 23♓55 | 0♒15 | 21♐28 | 19°R30 | 6°R13 | 12°R 9 | 21°R39 | 22°R48 | 22♏43 | 13♋43 | 6♉36 | S 1 |
| M 2 | 9 5 15 | 17°52'18 | 4♈14 | 8°42 | 25° 7 | 1° 2 | 21°39 | 19♎29 | 6♌10 | 12♍ 7 | 21♋38 | 22♏40 | 22°40 | 13°49 | 6°37 | M 2 |
| T 3 | 9 9 11 | 18°52'41 | 17°47 | 10°25 | 26°18 | 1°49 | 21°49 | 19°28 | 6° 8 | 12° 6 | 21°36 | 22°35 | 22°37 | 13°56 | 6°39 | T 3 |
| W 4 | 9 13 8 | 19°53'03 | 0♉51 | 12°10 | 27°30 | 2°36 | 21°59 | 19°27 | 6° 5 | 12° 4 | 21°35 | 22°32 | 22°34 | 14° 3 | 6°40 | W 4 |
| T 5 | 9 17 4 | 20°53'23 | 13°30 | 13°56 | 28°42 | 3°23 | 22° 9 | 19°25 | 6° 3 | 12° 3 | 21°34 | 22°31 | 22°30 | 14° 9 | 6°42 | T 5 |
| F 6 | 9 21 1 | 21°53'41 | 25°48 | 15°42 | 29°54 | 4°10 | 22°19 | 19°24 | 6° 0 | 12° 1 | 21°33 | 22°31 | 22°27 | 14°16 | 6°44 | F 6 |
| S 7 | 9 24 57 | 22°53'56 | 7♊52 | 17°30 | 1♈ 5 | 4°57 | 22°29 | 19°22 | 5°58 | 12° 0 | 21°32 | 22°31 | 22°24 | 14°23 | 6°45 | S 7 |
| S 8 | 9 28 54 | 23°54'10 | 19°45 | 19°18 | 2°16 | 5°44 | 22°39 | 19°21 | 5°55 | 11°58 | 21°31 | 22°29 | 22°21 | 14°30 | 6°47 | S 8 |
| M 9 | 9 32 51 | 24°54'21 | 1♋34 | 21° 8 | 3°28 | 6°31 | 22°48 | 19°19 | 5°53 | 11°57 | 21°29 | 22°25 | 22°18 | 14°36 | 6°49 | M 9 |
| T 10 | 9 36 47 | 25°54'31 | 13°23 | 22°58 | 4°39 | 7°18 | 22°58 | 19°18 | 5°50 | 11°55 | 21°28 | 22°17 | 22°14 | 14°43 | 6°51 | T 10 |
| W11 | 9 40 44 | 26°54'38 | 25°15 | 24°50 | 5°50 | 8° 5 | 23° 7 | 19°16 | 5°48 | 11°53 | 21°27 | 22° 7 | 22°11 | 14°50 | 6°53 | W11 |
| T 12 | 9 44 40 | 27°54'43 | 7♌13 | 26°43 | 7° 1 | 8°52 | 23°17 | 19°14 | 5°45 | 11°52 | 21°26 | 21°55 | 22° 8 | 14°56 | 6°55 | T 12 |
| F 13 | 9 48 37 | 28°54'47 | 19°20 | 28°36 | 8°12 | 9°39 | 23°26 | 19°12 | 5°43 | 11°50 | 21°25 | 21°41 | 22° 5 | 15° 3 | 6°57 | F 13 |
| S 14 | 9 52 33 | 29°54'48 | 1♍36 | 0♓31 | 9°23 | 10°27 | 23°35 | 19°10 | 5°41 | 11°49 | 21°24 | 21°27 | 22° 2 | 15°10 | 6°59 | S 14 |
| S 15 | 9 56 30 | 0♓54'47 | 14° 1 | 2°26 | 10°33 | 11°14 | 23°44 | 19° 8 | 5°38 | 11°47 | 21°23 | 21°13 | 21°59 | 15°16 | 7° 1 | S 15 |
| M16 | 10 0 26 | 1°54'45 | 26°37 | 4°22 | 11°44 | 12° 1 | 23°53 | 19° 5 | 5°36 | 11°45 | 21°22 | 21° 2 | 21°55 | 15°23 | 7° 3 | M16 |
| T 17 | 10 4 23 | 2°54'40 | 9♎23 | 6°19 | 12°54 | 12°48 | 24° 1 | 19° 3 | 5°34 | 11°44 | 21°21 | 20°53 | 21°52 | 15°30 | 7° 5 | T 17 |
| W18 | 10 8 20 | 3°54'34 | 22°20 | 8°16 | 14° 4 | 13°35 | 24°10 | 19° 0 | 5°32 | 11°42 | 21°20 | 20°48 | 21°49 | 15°37 | 7° 7 | W18 |
| T 19 | 10 12 16 | 4°54'26 | 5♏28 | 10°14 | 15°15 | 14°22 | 24°18 | 18°58 | 5°29 | 11°40 | 21°19 | 20°45 | 21°46 | 15°43 | 7°10 | T 19 |
| F 20 | 10 16 13 | 5°54'16 | 18°51 | 12°12 | 16°25 | 15° 9 | 24°27 | 18°55 | 5°27 | 11°39 | 21°18 | 20°D44 | 21°43 | 15°50 | 7°12 | F 20 |
| S 21 | 10 20 9 | 6°54'05 | 2♐28 | 14°10 | 17°34 | 15°56 | 24°35 | 18°52 | 5°25 | 11°37 | 21°17 | 20°R44 | 21°40 | 15°57 | 7°15 | S 21 |
| S 22 | 10 24 6 | 7°53'52 | 16°22 | 16° 9 | 18°44 | 16°43 | 24°43 | 18°50 | 5°23 | 11°35 | 21°16 | 20°44 | 21°36 | 16° 3 | 7°17 | S 22 |
| M23 | 10 28 2 | 8°53'37 | 0♑33 | 18° 6 | 19°54 | 17°30 | 24°51 | 18°47 | 5°21 | 11°34 | 21°16 | 20°42 | 21°33 | 16°10 | 7°20 | M23 |
| T 24 | 10 31 59 | 9°53'20 | 15° 0 | 20° 3 | 21° 3 | 18°17 | 24°59 | 18°44 | 5°19 | 11°32 | 21°15 | 20°38 | 21°30 | 16°17 | 7°22 | T 24 |
| W25 | 10 35 55 | 10°53'02 | 29°40 | 22° 0 | 22°13 | 19° 5 | 25° 6 | 18°41 | 5°17 | 11°30 | 21°14 | 20°31 | 21°27 | 16°23 | 7°25 | W25 |
| T 26 | 10 39 52 | 11°52'42 | 14♒26 | 23°54 | 23°22 | 19°52 | 25°14 | 18°38 | 5°15 | 11°29 | 21°13 | 20°22 | 21°24 | 16°30 | 7°28 | T 26 |
| F 27 | 10 43 49 | 12°52'20 | 29°12 | 25°47 | 24°31 | 20°39 | 25°21 | 18°34 | 5°13 | 11°27 | 21°12 | 20°12 | 21°20 | 16°37 | 7°30 | F 27 |
| S 28 | 10 47 45 | 13°51'55 | 13♓49 | 27°38 | 25°40 | 21°26 | 25°29 | 18°31 | 5°11 | 11°25 | 21°12 | 20° 1 | 21°17 | 16°44 | 7°33 | S 28 |
| S 29 | 10 51 42 | 14♓51'29 | 28♓ 9 | 29♓26 | 26♈48 | 22♒13 | 25♐36 | 18♎28 | 5♌ 9 | 11♍24 | 21♋11 | 19♏52 | 21♏14 | 16♋50 | 7♉36 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s52 | 0n11 | 4n27 | 20s37 | 2s 3 | 3s 0 | 0s37 | 21s13 | 1s 2 | 22s56 | 0n22 | 5s13 | 2n40 | 19n30 | 0n41 | 8n13 | 1n16 | 26n46 | 5n 1 | 18s35 | 18s33 | 18n53 | 13n 3 | 0s47 |
| M 2 | 15 34 | 5 8 | 3 46 | 20 11 | 2 4 | 2 28 | 0 34 | 21 3 | 1 2 | 22 56 | 0 22 | 5 12 | 2 40 | 19 30 | 0 41 | 8 13 | 1 16 | 26 46 | 5 1 | 18 33 | 18 32 | 18 52 | 13 4 | 0 47 |
| T 3 | 15 15 | 9 40 | 2 53 | 19 44 | 2 5 | 1 57 | 0 31 | 20 53 | 1 3 | 22 57 | 0 22 | 5 11 | 2 40 | 19 31 | 0 41 | 8 14 | 1 16 | 26 47 | 5 1 | 18 31 | 18 32 | 18 50 | 13 4 | 0 47 |
| W 4 | 14 56 | 13 35 | 1 52 | 19 15 | 2 5 | 1 25 | 0 28 | 20 43 | 1 3 | 22 58 | 0 22 | 5 11 | 2 40 | 19 31 | 0 41 | 8 14 | 1 16 | 26 47 | 5 1 | 18 30 | 18 31 | 18 49 | 13 5 | 0 47 |
| T 5 | 14 37 | 16 44 | 0 48 | 18 44 | 2 5 | 0 53 | 0 24 | 20 32 | 1 3 | 22 59 | 0 22 | 5 10 | 2 41 | 19 32 | 0 41 | 8 15 | 1 16 | 26 47 | 5 1 | 18 30 | 18 30 | 18 48 | 13 5 | 0 47 |
| F 6 | 14 17 | 19 2 | 0s17 | 18 12 | 2 5 | 0 22 | 0 21 | 20 21 | 1 3 | 22 59 | 0 22 | 5 9 | 2 41 | 19 33 | 0 41 | 8 16 | 1 16 | 26 47 | 5 1 | 18 30 | 18 29 | 18 47 | 13 6 | 0 47 |
| S 7 | 13 58 | 20 25 | 1 20 | 17 38 | 2 4 | 0n10 | 0 18 | 20 10 | 1 4 | 23 0 | 0 22 | 5 8 | 2 41 | 19 33 | 0 41 | 8 16 | 1 16 | 26 47 | 5 1 | 18 30 | 18 28 | 18 45 | 13 6 | 0 47 |
| S 8 | 13 38 | 20 52 | 2 19 | 17 3 | 2 2 | 0 42 | 0 14 | 19 59 | 1 4 | 23 0 | 0 22 | 5 8 | 2 41 | 19 34 | 0 41 | 8 17 | 1 16 | 26 48 | 5 1 | 18 30 | 18 28 | 18 44 | 13 7 | 0 47 |
| M 9 | 13 18 | 20 23 | 3 11 | 16 26 | 2 0 | 1 13 | 0 11 | 19 47 | 1 4 | 23 1 | 0 22 | 5 7 | 2 42 | 19 35 | 0 41 | 8 17 | 1 16 | 26 48 | 5 1 | 18 29 | 18 27 | 18 43 | 13 7 | 0 47 |
| T 10 | 12 57 | 19 1 | 3 54 | 15 47 | 1 58 | 1 45 | 0 7 | 19 35 | 1 5 | 23 2 | 0 22 | 5 6 | 2 42 | 19 35 | 0 41 | 8 18 | 1 16 | 26 48 | 5 1 | 18 27 | 18 26 | 18 42 | 13 8 | 0 47 |
| W11 | 12 37 | 16 49 | 4 28 | 15 7 | 1 55 | 2 17 | 0 3 | 19 23 | 1 5 | 23 2 | 0 22 | 5 5 | 2 42 | 19 36 | 0 41 | 8 19 | 1 16 | 26 48 | 5 1 | 18 24 | 18 25 | 18 40 | 13 8 | 0 47 |
| T 12 | 12 16 | 13 53 | 4 50 | 14 25 | 1 51 | 2 48 | 0n 0 | 19 11 | 1 5 | 23 3 | 0 22 | 5 4 | 2 42 | 19 36 | 0 41 | 8 19 | 1 16 | 26 48 | 5 1 | 18 21 | 18 24 | 18 39 | 13 9 | 0 47 |
| F 13 | 11 55 | 10 22 | 5 0 | 13 42 | 1 47 | 3 20 | 0 4 | 18 59 | 1 5 | 23 3 | 0 22 | 5 3 | 2 42 | 19 37 | 0 41 | 8 20 | 1 16 | 26 48 | 5 1 | 18 17 | 18 23 | 18 38 | 13 10 | 0 47 |
| S 14 | 11 34 | 6 22 | 4 55 | 12 57 | 1 42 | 3 51 | 0 8 | 18 46 | 1 6 | 23 4 | 0 21 | 5 2 | 2 43 | 19 37 | 0 41 | 8 21 | 1 16 | 26 49 | 5 1 | 18 14 | 18 23 | 18 37 | 13 10 | 0 47 |
| S 15 | 11 13 | 2 4 | 4 37 | 12 10 | 1 37 | 4 23 | 0 11 | 18 33 | 1 6 | 23 4 | 0 21 | 5 1 | 2 43 | 19 38 | 0 41 | 8 21 | 1 16 | 26 49 | 5 1 | 18 10 | 18 22 | 18 35 | 13 11 | 0 48 |
| M16 | 10 51 | 2s23 | 4 5 | 11 22 | 1 31 | 4 54 | 0 15 | 18 20 | 1 6 | 23 5 | 0 21 | 5 0 | 2 43 | 19 39 | 0 41 | 8 22 | 1 16 | 26 49 | 5 1 | 18 7 | 18 21 | 18 34 | 13 12 | 0 48 |
| T 17 | 10 30 | 6 48 | 3 20 | 10 33 | 1 25 | 5 25 | 0 19 | 18 7 | 1 6 | 23 5 | 0 21 | 4 59 | 2 43 | 19 39 | 0 41 | 8 23 | 1 16 | 26 49 | 5 1 | 18 5 | 18 20 | 18 33 | 13 12 | 0 48 |
| W18 | 10 8 | 10 58 | 2 24 | 9 43 | 1 18 | 5 56 | 0 23 | 17 54 | 1 6 | 23 5 | 0 21 | 4 58 | 2 44 | 19 40 | 0 41 | 8 23 | 1 16 | 26 49 | 5 1 | 18 3 | 18 19 | 18 32 | 13 13 | 0 48 |
| T 19 | 9 46 | 14 40 | 1 20 | 8 51 | 1 10 | 6 27 | 0 27 | 17 40 | 1 7 | 23 6 | 0 21 | 4 57 | 2 44 | 19 40 | 0 41 | 8 24 | 1 16 | 26 49 | 5 1 | 18 2 | 18 18 | 18 30 | 13 14 | 0 48 |
| F 20 | 9 24 | 17 41 | 0 10 | 7 58 | 1 2 | 6 58 | 0 31 | 17 27 | 1 7 | 23 6 | 0 21 | 4 55 | 2 44 | 19 41 | 0 41 | 8 24 | 1 16 | 26 49 | 5 1 | 18 2 | 18 18 | 18 29 | 13 15 | 0 48 |
| S 21 | 9 2 | 19 46 | 1n 2 | 7 4 | 0 53 | 7 28 | 0 35 | 17 13 | 1 7 | 23 7 | 0 21 | 4 54 | 2 44 | 19 41 | 0 41 | 8 25 | 1 16 | 26 50 | 5 1 | 18 2 | 18 17 | 18 28 | 13 15 | 0 48 |
| S 22 | 8 39 | 20 41 | 2 12 | 6 10 | 0 44 | 7 59 | 0 39 | 16 59 | 1 7 | 23 7 | 0 21 | 4 53 | 2 44 | 19 42 | 0 41 | 8 26 | 1 16 | 26 50 | 5 1 | 18 2 | 18 16 | 18 26 | 13 16 | 0 48 |
| M23 | 8 17 | 20 20 | 3 15 | 5 15 | 0 34 | 8 29 | 0 43 | 16 45 | 1 7 | 23 7 | 0 21 | 4 52 | 2 45 | 19 42 | 0 41 | 8 26 | 1 16 | 26 50 | 5 1 | 18 2 | 18 15 | 18 25 | 13 17 | 0 48 |
| T 24 | 7 54 | 18 39 | 4 6 | 4 19 | 0 23 | 8 59 | 0 47 | 16 30 | 1 8 | 23 8 | 0 21 | 4 50 | 2 45 | 19 43 | 0 41 | 8 27 | 1 16 | 26 50 | 5 1 | 18 1 | 18 14 | 18 24 | 13 18 | 0 48 |
| W25 | 7 32 | 15 44 | 4 43 | 3 23 | 0 12 | 9 29 | 0 51 | 16 16 | 1 8 | 23 8 | 0 21 | 4 49 | 2 45 | 19 43 | 0 41 | 8 28 | 1 16 | 26 50 | 5 1 | 17 59 | 18 14 | 18 23 | 13 18 | 0 48 |
| T 26 | 7 9 | 11 48 | 5 1 | 2 27 | 0 1 | 9 58 | 0 55 | 16 1 | 1 8 | 23 8 | 0 21 | 4 48 | 2 45 | 19 44 | 0 41 | 8 28 | 1 16 | 26 50 | 5 1 | 17 56 | 18 13 | 18 21 | 13 19 | 0 48 |
| F 27 | 6 46 | 7 9 | 4 59 | 1 31 | 0n11 | 10 28 | 0 59 | 15 46 | 1 8 | 23 9 | 0 21 | 4 46 | 2 45 | 19 44 | 0 41 | 8 29 | 1 16 | 26 50 | 5 1 | 17 54 | 18 12 | 18 20 | 13 20 | 0 48 |
| S 28 | 6 23 | 2 8 | 4 37 | 0 36 | 0 23 | 10 57 | 1 3 | 15 31 | 1 8 | 23 9 | 0 21 | 4 45 | 2 46 | 19 45 | 0 41 | 8 30 | 1 16 | 26 50 | 5 1 | 17 51 | 18 11 | 18 19 | 13 21 | 0 48 |
| S 29 | 6s 0 | 2n54 | 3n58 | 0n19 | 0n35 | 11n26 | 1n 7 | 15s16 | 1s 8 | 23s 9 | 0n21 | 4s43 | 2n46 | 19n45 | 0n41 | 8n30 | 1n16 | 26n50 | 5n 1 | 17s48 | 18s10 | 18n17 | 13n22 | 0s48 |

Julian Day Number = 2068806.5, Delta T = 28m39s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'10, Lahiri = 9°15'11 Julian Calendar 1 Feb. 952 == Greg. Calendar 6 Feb. 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## MARCH 952 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 55 38 | 15♓51'00 | 12♈ 7 | 1♈12 | 27♈57 | 23♒ 0 | 25♐43 | 18°R24 | 5°R 8 | 11°R22 | 21°R10 | 19°R44 | 21♏11 | 16♋57 | 7♉39 | M 1 |
| T 2 | 10 59 35 | 16°50'30 | 25°40 | 2°53 | 29° 5 | 23°47 | 25°49 | 18♎21 | 5♌ 6 | 11♍21 | 21♋ 9 | 19♏39 | 21° 8 | 17° 4 | 7°42 | T 2 |
| W 3 | 11 3 31 | 17°49'57 | 8♉46 | 4°31 | 0♉14 | 24°34 | 25°56 | 18°17 | 5° 4 | 11°19 | 21° 9 | 19°37 | 21° 5 | 17°10 | 7°45 | W 3 |
| T 4 | 11 7 28 | 18°49'21 | 21°29 | 6° 4 | 1°22 | 25°21 | 26° 2 | 18°14 | 5° 2 | 11°17 | 21° 8 | 19°D36 | 21° 1 | 17°17 | 7°48 | T 4 |
| F 5 | 11 11 24 | 19°48'44 | 3♊51 | 7°33 | 2°30 | 26° 8 | 26° 9 | 18°10 | 5° 1 | 11°16 | 21° 7 | 19°37 | 20°58 | 17°24 | 7°51 | F 5 |
| S 6 | 11 15 21 | 20°48'04 | 15°58 | 8°56 | 3°37 | 26°55 | 26°15 | 18° 6 | 4°59 | 11°14 | 21° 7 | 19°R38 | 20°55 | 17°30 | 7°54 | S 6 |
| S 7 | 11 19 17 | 21°47'22 | 27°54 | 10°14 | 4°45 | 27°42 | 26°21 | 18° 3 | 4°58 | 11°12 | 21° 6 | 19°37 | 20°52 | 17°37 | 7°57 | S 7 |
| M 8 | 11 23 14 | 22°46'37 | 9♋45 | 11°26 | 5°52 | 28°29 | 26°27 | 17°59 | 4°56 | 11°11 | 21° 6 | 19°36 | 20°49 | 17°44 | 8° 0 | M 8 |
| T 9 | 11 27 11 | 23°45'50 | 21°36 | 12°32 | 6°59 | 29°15 | 26°33 | 17°55 | 4°55 | 11° 9 | 21° 5 | 19°32 | 20°45 | 17°50 | 8° 3 | T 9 |
| W10 | 11 31 7 | 24°45'01 | 3♌31 | 13°32 | 8° 6 | 0♓ 2 | 26°38 | 17°51 | 4°53 | 11° 7 | 21° 5 | 19°26 | 20°42 | 17°57 | 8° 6 | W10 |
| T 11 | 11 35 4 | 25°44'09 | 15°34 | 14°25 | 9°13 | 0°49 | 26°44 | 17°47 | 4°52 | 11° 6 | 21° 4 | 19°18 | 20°39 | 18° 4 | 8°10 | T 11 |
| F 12 | 11 39 0 | 26°43'15 | 27°47 | 15°11 | 10°20 | 1°36 | 26°49 | 17°43 | 4°50 | 11° 4 | 21° 4 | 19° 8 | 20°36 | 18°11 | 8°13 | F 12 |
| S 13 | 11 42 57 | 27°42'19 | 10♍14 | 15°51 | 11°26 | 2°23 | 26°54 | 17°39 | 4°49 | 11° 3 | 21° 3 | 18°59 | 20°33 | 18°17 | 8°16 | S 13 |
| S 14 | 11 46 53 | 28°41'20 | 22°54 | 16°23 | 12°32 | 3°10 | 26°59 | 17°34 | 4°48 | 11° 1 | 21° 3 | 18°49 | 20°30 | 18°24 | 8°20 | S 14 |
| M15 | 11 50 50 | 29°40'20 | 5♎48 | 16°49 | 13°38 | 3°56 | 27° 4 | 17°30 | 4°47 | 11° 0 | 21° 3 | 18°42 | 20°26 | 18°31 | 8°23 | M15 |
| T 16 | 11 54 46 | 0♈39'17 | 18°55 | 17° 7 | 14°43 | 4°43 | 27° 8 | 17°26 | 4°46 | 10°58 | 21° 2 | 18°36 | 20°23 | 18°37 | 8°27 | T 16 |
| W17 | 11 58 43 | 1°38'13 | 2♏13 | 17°19 | 15°49 | 5°30 | 27°13 | 17°22 | 4°44 | 10°56 | 21° 2 | 18°33 | 20°20 | 18°44 | 8°30 | W17 |
| T 18 | 12 2 40 | 2°37'06 | 15°43 | 17°R24 | 16°54 | 6°17 | 27°17 | 17°17 | 4°43 | 10°55 | 21° 2 | 18°D31 | 20°17 | 18°51 | 8°34 | T 18 |
| F 19 | 12 6 36 | 3°35'58 | 29°23 | 17°22 | 17°59 | 7° 3 | 27°21 | 17°13 | 4°42 | 10°53 | 21° 1 | 18°32 | 20°14 | 18°57 | 8°37 | F 19 |
| S 20 | 12 10 33 | 4°34'48 | 13♐13 | 17°14 | 19° 4 | 7°50 | 27°25 | 17° 9 | 4°41 | 10°52 | 21° 1 | 18°33 | 20°11 | 19° 4 | 8°41 | S 20 |
| S 21 | 12 14 29 | 5°33'37 | 27°12 | 16°59 | 20° 8 | 8°37 | 27°28 | 17° 4 | 4°41 | 10°50 | 21° 1 | 18°34 | 20° 7 | 19°11 | 8°44 | S 21 |
| M22 | 12 18 26 | 6°32'23 | 11♑19 | 16°39 | 21°12 | 9°23 | 27°32 | 17° 0 | 4°40 | 10°49 | 21° 1 | 18°R34 | 20° 4 | 19°18 | 8°48 | M22 |
| T 23 | 12 22 22 | 7°31'08 | 25°34 | 16°14 | 22°16 | 10°10 | 27°35 | 16°55 | 4°39 | 10°47 | 21° 1 | 18°33 | 20° 1 | 19°24 | 8°52 | T 23 |
| W24 | 12 26 19 | 8°29'51 | 9♒53 | 15°44 | 23°19 | 10°56 | 27°39 | 16°51 | 4°38 | 10°46 | 21° 0 | 18°30 | 19°58 | 19°31 | 8°55 | W24 |
| T 25 | 12 30 15 | 9°28'32 | 24°14 | 15°10 | 24°23 | 11°43 | 27°42 | 16°46 | 4°37 | 10°45 | 21° 0 | 18°25 | 19°55 | 19°38 | 8°59 | T 25 |
| F 26 | 12 34 12 | 10°27'12 | 8♓31 | 14°33 | 25°26 | 12°30 | 27°44 | 16°42 | 4°37 | 10°43 | 21° 0 | 18°19 | 19°51 | 19°44 | 9° 3 | F 26 |
| S 27 | 12 38 9 | 11°25'49 | 22°41 | 13°53 | 26°28 | 13°16 | 27°47 | 16°37 | 4°36 | 10°42 | 21° 0 | 18°13 | 19°48 | 19°51 | 9° 7 | S 27 |
| S 28 | 12 42 5 | 12°24'25 | 6♈38 | 13°12 | 27°31 | 14° 2 | 27°50 | 16°33 | 4°36 | 10°40 | 21° 0 | 18° 8 | 19°45 | 19°58 | 9°10 | S 28 |
| M29 | 12 46 2 | 13°22'59 | 20°18 | 12°29 | 28°33 | 14°49 | 27°52 | 16°28 | 4°35 | 10°39 | 21°D 0 | 18° 4 | 19°42 | 20° 5 | 9°14 | M29 |
| T 30 | 12 49 58 | 14°21'30 | 3♉38 | 11°47 | 29°35 | 15°35 | 27°54 | 16°24 | 4°35 | 10°38 | 21° 0 | 18° 1 | 19°39 | 20°11 | 9°18 | T 30 |
| W31 | 12 53 55 | 15♈20'00 | 16♉38 | 11♈ 4 | 0♊36 | 16♐22 | 27♐56 | 16♎19 | 4♌34 | 10♍36 | 21♋ 0 | 18°D 0 | 19♏36 | 20♋18 | 9♉22 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s37 | 7n40 | 3n 6 | 1n12 | 0n48 | 11n55 | 1n11 | 15s 0 | 1s 8 | 23s10 | 0n21 | 4s42 | 2n46 | 19n45 | 0n41 | 8n31 | 1n16 | 26n50 | 5n 0 | 17s46 | 18s 9 | 18n16 | 13n23 | 0s48 |
| T 2 | 5 13 | 11 54 | 2 4 | 2 5 | 1 0 | 12 23 | 1 15 | 14 45 | 1 9 | 23 10 | 0 21 | 4 40 | 2 46 | 19 46 | 0 41 | 8 32 | 1 16 | 26 51 | 5 0 | 17 45 | 18 8 | 18 15 | 13 24 | 0 48 |
| W 3 | 4 50 | 15 25 | 0 58 | 2 55 | 1 13 | 12 51 | 1 19 | 14 29 | 1 9 | 23 10 | 0 21 | 4 39 | 2 46 | 19 46 | 0 41 | 8 32 | 1 16 | 26 51 | 5 0 | 17 44 | 18 8 | 18 13 | 13 25 | 0 48 |
| T 4 | 4 27 | 18 4 | 0s10 | 3 44 | 1 26 | 13 19 | 1 23 | 14 13 | 1 9 | 23 10 | 0 21 | 4 37 | 2 46 | 19 47 | 0 41 | 8 33 | 1 16 | 26 51 | 5 0 | 17 44 | 18 7 | 18 12 | 13 26 | 0 48 |
| F 5 | 4 3 | 19 48 | 1 16 | 4 31 | 1 38 | 13 47 | 1 28 | 13 57 | 1 9 | 23 11 | 0 20 | 4 36 | 2 47 | 19 47 | 0 41 | 8 33 | 1 16 | 26 51 | 5 0 | 17 44 | 18 6 | 18 11 | 13 27 | 0 48 |
| S 6 | 3 40 | 20 34 | 2 16 | 5 15 | 1 50 | 14 14 | 1 32 | 13 41 | 1 9 | 23 11 | 0 20 | 4 34 | 2 47 | 19 47 | 0 41 | 8 34 | 1 16 | 26 51 | 5 0 | 17 44 | 18 5 | 18 9 | 13 27 | 0 48 |
| S 7 | 3 16 | 20 23 | 3 10 | 5 56 | 2 2 | 14 41 | 1 36 | 13 25 | 1 9 | 23 11 | 0 20 | 4 33 | 2 47 | 19 48 | 0 41 | 8 35 | 1 16 | 26 51 | 5 0 | 17 44 | 18 4 | 18 8 | 13 28 | 0 48 |
| M 8 | 2 53 | 19 18 | 3 55 | 6 35 | 2 13 | 15 7 | 1 40 | 13 9 | 1 9 | 23 11 | 0 20 | 4 31 | 2 47 | 19 48 | 0 41 | 8 35 | 1 16 | 26 51 | 5 0 | 17 44 | 18 3 | 18 7 | 13 29 | 0 48 |
| T 9 | 2 29 | 17 23 | 4 31 | 7 11 | 2 24 | 15 33 | 1 44 | 12 53 | 1 9 | 23 11 | 0 20 | 4 30 | 2 47 | 19 48 | 0 41 | 8 36 | 1 16 | 26 51 | 5 0 | 17 43 | 18 3 | 18 5 | 13 30 | 0 48 |
| W10 | 2 6 | 14 43 | 4 54 | 7 44 | 2 34 | 15 59 | 1 48 | 12 36 | 1 9 | 23 12 | 0 20 | 4 28 | 2 47 | 19 49 | 0 41 | 8 37 | 1 16 | 26 51 | 5 0 | 17 41 | 18 2 | 18 4 | 13 31 | 0 49 |
| T 11 | 1 42 | 11 24 | 5 5 | 8 13 | 2 43 | 16 25 | 1 52 | 12 19 | 1 9 | 23 12 | 0 20 | 4 26 | 2 47 | 19 49 | 0 41 | 8 37 | 1 16 | 26 51 | 5 0 | 17 39 | 18 1 | 18 3 | 13 32 | 0 49 |
| F 12 | 1 19 | 7 35 | 5 2 | 8 39 | 2 51 | 16 50 | 1 56 | 12 3 | 1 9 | 23 12 | 0 20 | 4 25 | 2 47 | 19 49 | 0 41 | 8 38 | 1 16 | 26 51 | 5 0 | 17 36 | 18 0 | 18 1 | 13 33 | 0 49 |
| S 13 | 0 55 | 3 22 | 4 45 | 9 1 | 2 58 | 17 15 | 2 0 | 11 46 | 1 9 | 23 12 | 0 20 | 4 23 | 2 48 | 19 50 | 0 41 | 8 38 | 1 16 | 26 51 | 5 0 | 17 34 | 17 59 | 18 0 | 13 34 | 0 49 |
| S 14 | 0 31 | 1s 3 | 4 14 | 9 19 | 3 5 | 17 39 | 2 4 | 11 29 | 1 9 | 23 12 | 0 20 | 4 21 | 2 48 | 19 50 | 0 41 | 8 39 | 1 16 | 26 51 | 5 0 | 17 31 | 17 58 | 17 59 | 13 36 | 0 49 |
| M15 | 0 8 | 5 31 | 3 29 | 9 34 | 3 10 | 18 3 | 2 8 | 11 12 | 1 9 | 23 13 | 0 20 | 4 20 | 2 48 | 19 50 | 0 41 | 8 40 | 1 16 | 26 51 | 5 0 | 17 29 | 17 58 | 17 57 | 13 37 | 0 49 |
| T 16 | 0n16 | 9 48 | 2 33 | 9 45 | 3 14 | 18 26 | 2 12 | 10 55 | 1 9 | 23 13 | 0 20 | 4 18 | 2 48 | 19 50 | 0 41 | 8 40 | 1 16 | 26 51 | 5 0 | 17 27 | 17 57 | 17 56 | 13 38 | 0 49 |
| W17 | 0 39 | 13 40 | 1 27 | 9 51 | 3 17 | 18 50 | 2 16 | 10 37 | 1 9 | 23 13 | 0 20 | 4 16 | 2 48 | 19 51 | 0 41 | 8 41 | 1 16 | 26 51 | 5 0 | 17 26 | 17 56 | 17 55 | 13 39 | 0 49 |
| T 18 | 1 3 | 16 53 | 0 15 | 9 54 | 3 18 | 19 12 | 2 19 | 10 20 | 1 9 | 23 13 | 0 20 | 4 14 | 2 48 | 19 51 | 0 41 | 8 41 | 1 16 | 26 51 | 5 0 | 17 26 | 17 55 | 17 53 | 13 40 | 0 49 |
| F 19 | 1 26 | 19 11 | 0n58 | 9 54 | 3 18 | 19 34 | 2 23 | 10 3 | 1 9 | 23 13 | 0 20 | 4 13 | 2 48 | 19 51 | 0 41 | 8 42 | 1 16 | 26 51 | 5 0 | 17 26 | 17 54 | 17 52 | 13 41 | 0 49 |
| S 20 | 1 50 | 20 22 | 2 10 | 9 49 | 3 16 | 19 56 | 2 27 | 9 45 | 1 9 | 23 13 | 0 20 | 4 11 | 2 48 | 19 51 | 0 41 | 8 43 | 1 16 | 26 51 | 5 0 | 17 27 | 17 53 | 17 51 | 13 42 | 0 49 |
| S 21 | 2 13 | 20 19 | 3 14 | 9 40 | 3 13 | 20 17 | 2 31 | 9 27 | 1 9 | 23 13 | 0 20 | 4 9 | 2 48 | 19 51 | 0 41 | 8 43 | 1 16 | 26 51 | 4 59 | 17 27 | 17 52 | 17 49 | 13 43 | 0 49 |
| M22 | 2 37 | 18 59 | 4 7 | 9 28 | 3 8 | 20 38 | 2 34 | 9 10 | 1 9 | 23 13 | 0 20 | 4 7 | 2 48 | 19 52 | 0 41 | 8 44 | 1 16 | 26 51 | 4 59 | 17 27 | 17 52 | 17 48 | 13 44 | 0 49 |
| T 23 | 3 0 | 16 28 | 4 46 | 9 13 | 3 2 | 20 59 | 2 38 | 8 52 | 1 9 | 23 14 | 0 19 | 4 6 | 2 48 | 19 52 | 0 41 | 8 44 | 1 16 | 26 51 | 4 59 | 17 27 | 17 51 | 17 46 | 13 45 | 0 49 |
| W24 | 3 23 | 12 57 | 5 6 | 8 54 | 2 54 | 21 18 | 2 41 | 8 34 | 1 9 | 23 14 | 0 19 | 4 4 | 2 48 | 19 52 | 0 41 | 8 45 | 1 16 | 26 51 | 4 59 | 17 26 | 17 50 | 17 45 | 13 46 | 0 49 |
| T 25 | 3 47 | 8 40 | 5 8 | 8 32 | 2 45 | 21 38 | 2 45 | 8 16 | 1 9 | 23 14 | 0 19 | 4 2 | 2 49 | 19 52 | 0 40 | 8 45 | 1 16 | 26 51 | 4 59 | 17 24 | 17 49 | 17 44 | 13 48 | 0 49 |
| F 26 | 4 10 | 3 55 | 4 51 | 8 8 | 2 34 | 21 57 | 2 48 | 7 58 | 1 9 | 23 14 | 0 19 | 4 0 | 2 49 | 19 52 | 0 40 | 8 46 | 1 16 | 26 51 | 4 59 | 17 23 | 17 48 | 17 42 | 13 49 | 0 49 |
| S 27 | 4 33 | 1n 0 | 4 16 | 7 41 | 2 22 | 22 15 | 2 51 | 7 40 | 1 9 | 23 14 | 0 19 | 3 59 | 2 49 | 19 52 | 0 40 | 8 46 | 1 16 | 26 51 | 4 59 | 17 21 | 17 47 | 17 41 | 13 50 | 0 49 |
| S 28 | 4 56 | 5 48 | 3 26 | 7 13 | 2 9 | 22 33 | 2 55 | 7 22 | 1 9 | 23 14 | 0 19 | 3 57 | 2 49 | 19 52 | 0 40 | 8 47 | 1 16 | 26 51 | 4 59 | 17 20 | 17 46 | 17 40 | 13 51 | 0 49 |
| M29 | 5 19 | 10 13 | 2 25 | 6 43 | 1 55 | 22 50 | 2 58 | 7 4 | 1 9 | 23 14 | 0 19 | 3 55 | 2 49 | 19 53 | 0 40 | 8 47 | 1 16 | 26 51 | 4 59 | 17 18 | 17 46 | 17 38 | 13 52 | 0 50 |
| T 30 | 5 42 | 14 1 | 1 18 | 6 13 | 1 40 | 23 7 | 3 1 | 6 46 | 1 9 | 23 14 | 0 19 | 3 53 | 2 49 | 19 53 | 0 40 | 8 48 | 1 16 | 26 51 | 4 59 | 17 18 | 17 45 | 17 37 | 13 53 | 0 50 |
| W31 | 6n 4 | 17n 1 | 0n 8 | 5n42 | 1n24 | 23n23 | 3n 4 | 6s28 | 1s 9 | 23s14 | 0n19 | 3s51 | 2n49 | 19n53 | 0n40 | 8n48 | 1n16 | 26n51 | 4n59 | 17s17 | 17s44 | 17n35 | 13n55 | 0s50 |

Julian Day Number = 2068835.5, Delta T = 28m39s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'14, Lahiri = 9°15'15 Julian Calendar 1 March 952 == Greg. Calendar 6 March 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## APRIL 952 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 57 51 | 16♈18'28 | 29♉18 | 10°R24 | 1♊37 | 17♓ 8 | 27♐58 | 16°R15 | 4°R34 | 10°R35 | 21♋ 0 | 18♏ 1 | 19♏32 | 20♋25 | 9♉26 | T 1 |
| F 2 | 13 1 48 | 17°16'54 | 11♊40 | 9♈45 | 2°38 | 17°54 | 27°59 | 16♎10 | 4♌34 | 10♍34 | 21° 0 | 18° 2 | 19°29 | 20°31 | 9°30 | F 2 |
| S 3 | 13 5 44 | 18°15'17 | 23°48 | 9° 9 | 3°38 | 18°41 | 28° 0 | 16° 6 | 4°34 | 10°33 | 21° 0 | 18° 4 | 19°26 | 20°38 | 9°34 | S 3 |
| S 4 | 13 9 41 | 19°13'39 | 5♋46 | 8°36 | 4°38 | 19°27 | 28° 2 | 16° 1 | 4°33 | 10°31 | 21° 1 | 18° 6 | 19°23 | 20°45 | 9°38 | S 4 |
| M 5 | 13 13 37 | 20°11'58 | 17°39 | 8° 6 | 5°37 | 20°13 | 28° 3 | 15°56 | 4°33 | 10°30 | 21° 1 | 18°R 6 | 19°20 | 20°51 | 9°42 | M 5 |
| T 6 | 13 17 34 | 21°10'15 | 29°32 | 7°41 | 6°36 | 20°59 | 28° 3 | 15°52 | 4°33 | 10°29 | 21° 1 | 18° 6 | 19°17 | 20°58 | 9°46 | T 6 |
| W 7 | 13 21 31 | 22° 8'30 | 11♌28 | 7°20 | 7°35 | 21°45 | 28° 4 | 15°47 | 4°D33 | 10°28 | 21° 1 | 18° 5 | 19°13 | 21° 5 | 9°50 | W 7 |
| T 8 | 13 25 27 | 23° 6'43 | 23°34 | 7° 3 | 8°33 | 22°31 | 28° 4 | 15°43 | 4°33 | 10°27 | 21° 1 | 18° 2 | 19°10 | 21°12 | 9°54 | T 8 |
| F 9 | 13 29 24 | 24° 4'54 | 5♍52 | 6°52 | 9°31 | 23°17 | 28° 5 | 15°38 | 4°33 | 10°26 | 21° 2 | 17°59 | 19° 7 | 21°18 | 9°58 | F 9 |
| S 10 | 13 33 20 | 25° 3'03 | 18°25 | 6°45 | 10°28 | 24° 3 | 28°R 5 | 15°34 | 4°34 | 10°25 | 21° 2 | 17°55 | 19° 4 | 21°25 | 10° 2 | S 10 |
| S 11 | 13 37 17 | 26° 1'10 | 1♎16 | 6°D42 | 11°25 | 24°49 | 28° 5 | 15°29 | 4°34 | 10°24 | 21° 2 | 17°52 | 19° 1 | 21°32 | 10° 6 | S 11 |
| M12 | 13 41 13 | 26°59'15 | 14°26 | 6°45 | 12°21 | 25°35 | 28° 4 | 15°25 | 4°34 | 10°22 | 21° 3 | 17°49 | 18°57 | 21°38 | 10°10 | M12 |
| T 13 | 13 45 10 | 27°57'18 | 27°52 | 6°52 | 13°17 | 26°21 | 28° 4 | 15°21 | 4°34 | 10°21 | 21° 3 | 17°47 | 18°54 | 21°45 | 10°14 | T 13 |
| W14 | 13 49 6 | 28°55'20 | 11♏35 | 7° 5 | 14°12 | 27° 7 | 28° 3 | 15°16 | 4°35 | 10°20 | 21° 3 | 17°D46 | 18°51 | 21°52 | 10°18 | W14 |
| T 15 | 13 53 3 | 29°53'20 | 25°31 | 7°21 | 15° 7 | 27°53 | 28° 2 | 15°12 | 4°35 | 10°20 | 21° 4 | 17°46 | 18°48 | 21°59 | 10°22 | T 15 |
| F 16 | 13 57 0 | 0♉51'18 | 9♐37 | 7°43 | 16° 1 | 28°38 | 28° 1 | 15° 8 | 4°36 | 10°19 | 21° 4 | 17°47 | 18°45 | 22° 5 | 10°26 | F 16 |
| S 17 | 14 0 56 | 1°49'16 | 23°50 | 8° 8 | 16°55 | 29°24 | 28° 0 | 15° 3 | 4°36 | 10°18 | 21° 5 | 17°48 | 18°42 | 22°12 | 10°30 | S 17 |
| S 18 | 14 4 53 | 2°47'11 | 8♑ 6 | 8°38 | 17°48 | 0♈10 | 27°58 | 14°59 | 4°37 | 10°17 | 21° 5 | 17°49 | 18°38 | 22°19 | 10°34 | S 18 |
| M19 | 14 8 49 | 3°45'06 | 22°22 | 9°12 | 18°40 | 0°55 | 27°57 | 14°55 | 4°37 | 10°16 | 21° 6 | 17°50 | 18°35 | 22°25 | 10°39 | M19 |
| T 20 | 14 12 46 | 4°42'59 | 6♒36 | 9°50 | 19°31 | 1°41 | 27°55 | 14°51 | 4°38 | 10°15 | 21° 6 | 17°R50 | 18°32 | 22°32 | 10°43 | T 20 |
| W21 | 14 16 42 | 5°40'51 | 20°45 | 10°31 | 20°22 | 2°27 | 27°53 | 14°47 | 4°39 | 10°14 | 21° 7 | 17°50 | 18°29 | 22°39 | 10°47 | W21 |
| T 22 | 14 20 39 | 6°38'41 | 4♓47 | 11°17 | 21°13 | 3°12 | 27°51 | 14°42 | 4°40 | 10°14 | 21° 8 | 17°49 | 18°26 | 22°45 | 10°51 | T 22 |
| F 23 | 14 24 35 | 7°36'31 | 18°40 | 12° 6 | 22° 2 | 3°58 | 27°48 | 14°38 | 4°41 | 10°13 | 21° 8 | 17°48 | 18°22 | 22°52 | 10°55 | F 23 |
| S 24 | 14 28 32 | 8°34'19 | 2♈22 | 12°58 | 22°51 | 4°43 | 27°46 | 14°34 | 4°41 | 10°12 | 21° 9 | 17°46 | 18°19 | 22°59 | 10°59 | S 24 |
| S 25 | 14 32 29 | 9°32'05 | 15°51 | 13°53 | 23°39 | 5°28 | 27°43 | 14°31 | 4°42 | 10°11 | 21°10 | 17°45 | 18°16 | 23° 6 | 11° 4 | S 25 |
| M26 | 14 36 25 | 10°29'51 | 29° 6 | 14°52 | 24°26 | 6°14 | 27°40 | 14°27 | 4°43 | 10°11 | 21°10 | 17°45 | 18°13 | 23°12 | 11° 8 | M26 |
| T 27 | 14 40 22 | 11°27'35 | 12♉ 6 | 15°54 | 25°12 | 6°59 | 27°37 | 14°23 | 4°44 | 10°10 | 21°11 | 17°D44 | 18°10 | 23°19 | 11°12 | T 27 |
| W28 | 14 44 18 | 12°25'18 | 24°51 | 16°59 | 25°58 | 7°44 | 27°34 | 14°19 | 4°46 | 10°10 | 21°12 | 17°44 | 18° 7 | 23°26 | 11°16 | W28 |
| T 29 | 14 48 15 | 13°22'59 | 7♊22 | 18° 6 | 26°42 | 8°29 | 27°30 | 14°15 | 4°47 | 10° 9 | 21°13 | 17°45 | 18° 3 | 23°32 | 11°20 | T 29 |
| F 30 | 14 52 11 | 14♉20'39 | 19♊39 | 19♈17 | 27♊26 | 9♈14 | 27♐27 | 14♎12 | 4♌48 | 10♍ 8 | 21♋13 | 17♏45 | 18♏ 0 | 23♋39 | 11♉24 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n27 | 19n 7 | 1s 1 | 5n11 | 1n 8 | 23n39 | 3n 7 | 6s10 | 1s 9 | 23s15 | 0n19 | 3s50 | 2n49 | 19n53 | 0n40 | 8n49 | 1n16 | 26n50 | 4n59 | 17s18 | 17s43 | 17n34 | 13n56 | 0s50 |
| F 2 | 6 49 | 20 14 | 2 6 | 4 40 | 0 51 | 23 54 | 3 10 | 5 51 | 1 8 | 23 15 | 0 19 | 3 48 | 2 49 | 19 53 | 0 40 | 8 49 | 1 16 | 26 50 | 4 59 | 17 18 | 17 42 | 17 33 | 13 57 | 0 50 |
| S 3 | 7 12 | 20 22 | 3 4 | 4 10 | 0 35 | 24 9 | 3 13 | 5 33 | 1 8 | 23 15 | 0 19 | 3 46 | 2 49 | 19 53 | 0 40 | 8 50 | 1 16 | 26 50 | 4 59 | 17 19 | 17 41 | 17 31 | 13 58 | 0 50 |
| S 4 | 7 34 | 19 35 | 3 52 | 3 42 | 0 18 | 24 23 | 3 15 | 5 15 | 1 8 | 23 15 | 0 19 | 3 44 | 2 49 | 19 53 | 0 40 | 8 50 | 1 16 | 26 50 | 4 59 | 17 19 | 17 40 | 17 30 | 13 59 | 0 50 |
| M 5 | 7 56 | 17 56 | 4 31 | 3 15 | 0 1 | 24 37 | 3 18 | 4 56 | 1 8 | 23 15 | 0 19 | 3 43 | 2 49 | 19 53 | 0 40 | 8 51 | 1 16 | 26 50 | 4 59 | 17 19 | 17 39 | 17 28 | 14 1 | 0 50 |
| T 6 | 8 18 | 15 31 | 4 58 | 2 50 | 0s15 | 24 50 | 3 21 | 4 38 | 1 8 | 23 15 | 0 19 | 3 41 | 2 49 | 19 53 | 0 40 | 8 51 | 1 16 | 26 50 | 4 58 | 17 19 | 17 39 | 17 27 | 14 2 | 0 50 |
| W 7 | 8 40 | 12 26 | 5 12 | 2 27 | 0 31 | 25 2 | 3 23 | 4 20 | 1 8 | 23 15 | 0 19 | 3 39 | 2 49 | 19 53 | 0 40 | 8 51 | 1 16 | 26 50 | 4 58 | 17 19 | 17 38 | 17 25 | 14 3 | 0 50 |
| T 8 | 9 2 | 8 49 | 5 12 | 2 6 | 0 47 | 25 14 | 3 25 | 4 1 | 1 8 | 23 15 | 0 18 | 3 38 | 2 49 | 19 53 | 0 40 | 8 52 | 1 16 | 26 50 | 4 58 | 17 18 | 17 37 | 17 24 | 14 4 | 0 50 |
| F 9 | 9 24 | 4 47 | 4 59 | 1 48 | 1 2 | 25 25 | 3 27 | 3 43 | 1 7 | 23 15 | 0 18 | 3 36 | 2 49 | 19 53 | 0 40 | 8 52 | 1 16 | 26 50 | 4 58 | 17 17 | 17 36 | 17 23 | 14 5 | 0 50 |
| S 10 | 9 45 | 0 27 | 4 31 | 1 32 | 1 16 | 25 36 | 3 29 | 3 24 | 1 7 | 23 15 | 0 18 | 3 34 | 2 48 | 19 53 | 0 40 | 8 53 | 1 16 | 26 50 | 4 58 | 17 16 | 17 35 | 17 21 | 14 7 | 0 50 |
| S 11 | 10 6 | 4s 0 | 3 49 | 1 19 | 1 29 | 25 46 | 3 31 | 3 6 | 1 7 | 23 15 | 0 18 | 3 33 | 2 48 | 19 53 | 0 40 | 8 53 | 1 16 | 26 49 | 4 58 | 17 15 | 17 34 | 17 20 | 14 8 | 0 50 |
| M12 | 10 27 | 8 23 | 2 53 | 1 8 | 1 42 | 25 55 | 3 33 | 2 47 | 1 7 | 23 15 | 0 18 | 3 31 | 2 48 | 19 52 | 0 40 | 8 53 | 1 16 | 26 49 | 4 58 | 17 14 | 17 33 | 17 18 | 14 9 | 0 50 |
| T 13 | 10 48 | 12 27 | 1 48 | 1 0 | 1 54 | 26 4 | 3 35 | 2 29 | 1 7 | 23 15 | 0 18 | 3 29 | 2 48 | 19 52 | 0 40 | 8 54 | 1 16 | 26 49 | 4 58 | 17 14 | 17 32 | 17 17 | 14 10 | 0 50 |
| W14 | 11 9 | 15 56 | 0 34 | 0 55 | 2 5 | 26 13 | 3 36 | 2 10 | 1 6 | 23 16 | 0 18 | 3 28 | 2 48 | 19 52 | 0 40 | 8 54 | 1 16 | 26 49 | 4 58 | 17 13 | 17 32 | 17 15 | 14 11 | 0 51 |
| T 15 | 11 30 | 18 33 | 0n43 | 0 52 | 2 15 | 26 21 | 3 38 | 1 52 | 1 6 | 23 16 | 0 18 | 3 26 | 2 48 | 19 52 | 0 40 | 8 54 | 1 16 | 26 49 | 4 58 | 17 13 | 17 31 | 17 14 | 14 13 | 0 51 |
| F 16 | 11 50 | 20 5 | 1 58 | 0 52 | 2 24 | 26 28 | 3 39 | 1 33 | 1 6 | 23 16 | 0 18 | 3 24 | 2 48 | 19 52 | 0 40 | 8 55 | 1 16 | 26 49 | 4 58 | 17 14 | 17 30 | 17 13 | 14 14 | 0 51 |
| S 17 | 12 10 | 20 20 | 3 6 | 0 54 | 2 33 | 26 35 | 3 40 | 1 15 | 1 6 | 23 16 | 0 18 | 3 23 | 2 48 | 19 52 | 0 40 | 8 55 | 1 16 | 26 49 | 4 58 | 17 14 | 17 29 | 17 11 | 14 15 | 0 51 |
| S 18 | 12 30 | 19 16 | 4 4 | 0 59 | 2 40 | 26 41 | 3 41 | 0 56 | 1 6 | 23 16 | 0 18 | 3 21 | 2 48 | 19 52 | 0 40 | 8 55 | 1 16 | 26 49 | 4 58 | 17 14 | 17 28 | 17 10 | 14 16 | 0 51 |
| M19 | 12 50 | 17 0 | 4 46 | 1 6 | 2 47 | 26 46 | 3 42 | 0 38 | 1 5 | 23 16 | 0 18 | 3 20 | 2 48 | 19 51 | 0 40 | 8 56 | 1 16 | 26 48 | 4 58 | 17 15 | 17 27 | 17 8 | 14 18 | 0 51 |
| T 20 | 13 10 | 13 43 | 5 10 | 1 16 | 2 53 | 26 51 | 3 43 | 0 19 | 1 5 | 23 16 | 0 18 | 3 18 | 2 48 | 19 51 | 0 40 | 8 56 | 1 16 | 26 48 | 4 58 | 17 15 | 17 26 | 17 7 | 14 19 | 0 51 |
| W21 | 13 29 | 9 40 | 5 16 | 1 28 | 2 58 | 26 56 | 3 43 | 0 1 | 1 5 | 23 16 | 0 17 | 3 17 | 2 48 | 19 51 | 0 40 | 8 56 | 1 16 | 26 48 | 4 58 | 17 14 | 17 25 | 17 5 | 14 20 | 0 51 |
| T 22 | 13 49 | 5 7 | 5 3 | 1 41 | 3 2 | 27 0 | 3 44 | 0n18 | 1 5 | 23 16 | 0 17 | 3 15 | 2 47 | 19 51 | 0 40 | 8 57 | 1 16 | 26 48 | 4 58 | 17 14 | 17 25 | 17 4 | 14 21 | 0 51 |
| F 23 | 14 8 | 0 21 | 4 32 | 1 57 | 3 6 | 27 3 | 3 44 | 0 36 | 1 4 | 23 16 | 0 17 | 3 14 | 2 47 | 19 51 | 0 40 | 8 57 | 1 16 | 26 48 | 4 57 | 17 14 | 17 24 | 17 2 | 14 23 | 0 51 |
| S 24 | 14 26 | 4n24 | 3 46 | 2 15 | 3 9 | 27 6 | 3 44 | 0 54 | 1 4 | 23 16 | 0 17 | 3 12 | 2 47 | 19 50 | 0 40 | 8 57 | 1 16 | 26 48 | 4 57 | 17 14 | 17 23 | 17 1 | 14 24 | 0 51 |
| S 25 | 14 45 | 8 51 | 2 48 | 2 35 | 3 11 | 27 8 | 3 44 | 1 13 | 1 4 | 23 16 | 0 17 | 3 11 | 2 47 | 19 50 | 0 40 | 8 57 | 1 16 | 26 47 | 4 57 | 17 13 | 17 22 | 16 59 | 14 25 | 0 51 |
| M26 | 15 3 | 12 48 | 1 41 | 2 57 | 3 12 | 27 10 | 3 43 | 1 31 | 1 3 | 23 16 | 0 17 | 3 10 | 2 47 | 19 50 | 0 40 | 8 58 | 1 16 | 26 47 | 4 57 | 17 13 | 17 21 | 16 58 | 14 26 | 0 51 |
| T 27 | 15 21 | 16 3 | 0 31 | 3 20 | 3 12 | 27 12 | 3 43 | 1 49 | 1 3 | 23 16 | 0 17 | 3 8 | 2 47 | 19 49 | 0 39 | 8 58 | 1 16 | 26 47 | 4 57 | 17 13 | 17 20 | 16 56 | 14 27 | 0 52 |
| W28 | 15 39 | 18 27 | 0s39 | 3 45 | 3 12 | 27 12 | 3 42 | 2 7 | 1 3 | 23 16 | 0 17 | 3 7 | 2 47 | 19 49 | 0 39 | 8 58 | 1 16 | 26 47 | 4 57 | 17 13 | 17 19 | 16 55 | 14 29 | 0 52 |
| T 29 | 15 57 | 19 54 | 1 47 | 4 12 | 3 11 | 27 13 | 3 41 | 2 26 | 1 2 | 23 16 | 0 17 | 3 6 | 2 47 | 19 49 | 0 39 | 8 58 | 1 16 | 26 47 | 4 57 | 17 13 | 17 18 | 16 54 | 14 30 | 0 52 |
| F 30 | 16n14 | 20n23 | 2s48 | 4n40 | 3s10 | 27n12 | 3n39 | 2n44 | 1s 2 | 23s16 | 0n17 | 3s 4 | 2n46 | 19n49 | 0n39 | 8n58 | 1n15 | 26n47 | 4n57 | 17s13 | 17s17 | 16n52 | 14n31 | 0s52 |

Julian Day Number = 2068866.5, Delta T = 28m38s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'19, Lahiri = 9°15'19 Julian Calendar 1 Apr. 952 == Greg. Calendar 6 Apr. 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## MAY 952 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 56 8 | 15♉18'18 | 1♋44 | 20♈30 | 28♊ 9 | 9♈59 | 27°R23 | 14°R 8 | 4♌49 | 10°R 8 | 21♋14 | 17♏45 | 17♏57 | 23♋46 | 11♉29 | S 1 |
| S 2 | 15 0 4 | 16°15'55 | 13°42 | 21°46 | 28°50 | 10°44 | 27♐19 | 14♎ 5 | 4°50 | 10♍ 8 | 21°15 | 17°46 | 17°54 | 23°53 | 11°33 | S 2 |
| M 3 | 15 4 1 | 17°13'30 | 25°35 | 23° 5 | 29°31 | 11°29 | 27°15 | 14° 1 | 4°52 | 10° 7 | 21°16 | 17°46 | 17°51 | 23°59 | 11°37 | M 3 |
| T 4 | 15 7 58 | 18°11'04 | 7♌28 | 24°26 | 0♋10 | 12°14 | 27°11 | 13°58 | 4°53 | 10° 7 | 21°17 | 17°R46 | 17°48 | 24° 6 | 11°41 | T 4 |
| W 5 | 15 11 54 | 19° 8'37 | 19°24 | 25°50 | 0°49 | 12°59 | 27° 6 | 13°55 | 4°55 | 10° 6 | 21°18 | 17°D46 | 17°44 | 24°13 | 11°45 | W 5 |
| T 6 | 15 15 51 | 20° 6'08 | 1♍29 | 27°16 | 1°26 | 13°44 | 27° 1 | 13°51 | 4°56 | 10° 6 | 21°19 | 17°46 | 17°41 | 24°19 | 11°49 | T 6 |
| F 7 | 15 19 47 | 21° 3'37 | 13°47 | 28°45 | 2° 2 | 14°29 | 26°57 | 13°48 | 4°58 | 10° 6 | 21°20 | 17°46 | 17°38 | 24°26 | 11°54 | F 7 |
| S 8 | 15 23 44 | 22° 1'05 | 26°22 | 0♉16 | 2°36 | 15°13 | 26°52 | 13°45 | 4°59 | 10° 5 | 21°21 | 17°46 | 17°35 | 24°33 | 11°58 | S 8 |
| S 9 | 15 27 40 | 22°58'32 | 9♎17 | 1°50 | 3°10 | 15°58 | 26°47 | 13°42 | 5° 1 | 10° 5 | 21°22 | 17°47 | 17°32 | 24°40 | 12° 2 | S 9 |
| M10 | 15 31 37 | 23°55'58 | 22°35 | 3°27 | 3°42 | 16°43 | 26°42 | 13°39 | 5° 3 | 10° 5 | 21°23 | 17°47 | 17°28 | 24°46 | 12° 6 | M10 |
| T 11 | 15 35 33 | 24°53'22 | 6♏15 | 5° 5 | 4°12 | 17°27 | 26°36 | 13°36 | 5° 5 | 10° 5 | 21°24 | 17°48 | 17°25 | 24°53 | 12°10 | T 11 |
| W12 | 15 39 30 | 25°50'46 | 20°16 | 6°47 | 4°41 | 18°12 | 26°31 | 13°33 | 5° 6 | 10° 5 | 21°25 | 17°R48 | 17°22 | 25° 0 | 12°14 | W12 |
| T 13 | 15 43 27 | 26°48'08 | 4♐36 | 8°30 | 5° 9 | 18°56 | 26°25 | 13°31 | 5° 8 | 10° 4 | 21°26 | 17°47 | 17°19 | 25° 6 | 12°18 | T 13 |
| F 14 | 15 47 23 | 27°45'30 | 19° 9 | 10°16 | 5°34 | 19°40 | 26°19 | 13°28 | 5°10 | 10° 4 | 21°27 | 17°47 | 17°16 | 25°13 | 12°22 | F 14 |
| S 15 | 15 51 20 | 28°42'51 | 3♑50 | 12° 5 | 5°58 | 20°25 | 26°13 | 13°26 | 5°12 | 10° 4 | 21°28 | 17°46 | 17°13 | 25°20 | 12°26 | S 15 |
| S 16 | 15 55 16 | 29°40'11 | 18°30 | 13°56 | 6°21 | 21° 9 | 26° 7 | 13°23 | 5°14 | 10°D 4 | 21°29 | 17°44 | 17° 9 | 25°27 | 12°30 | S 16 |
| M17 | 15 59 13 | 0♒37'30 | 3♒ 5 | 15°49 | 6°42 | 21°53 | 26° 1 | 13°21 | 5°16 | 10° 4 | 21°30 | 17°43 | 17° 6 | 25°33 | 12°35 | M17 |
| T 18 | 16 3 9 | 1°34'49 | 17°29 | 17°44 | 7° 0 | 22°37 | 25°55 | 13°18 | 5°18 | 10° 4 | 21°32 | 17°42 | 17° 3 | 25°40 | 12°39 | T 18 |
| W19 | 16 7 6 | 2°32'08 | 1♓39 | 19°42 | 7°17 | 23°21 | 25°49 | 13°16 | 5°20 | 10° 4 | 21°33 | 17°D42 | 17° 0 | 25°47 | 12°43 | W19 |
| T 20 | 16 11 2 | 3°29'26 | 15°33 | 21°42 | 7°32 | 24° 5 | 25°42 | 13°14 | 5°22 | 10° 4 | 21°34 | 17°42 | 16°57 | 25°53 | 12°47 | T 20 |
| F 21 | 16 14 59 | 4°26'43 | 29°10 | 23°44 | 7°46 | 24°49 | 25°36 | 13°12 | 5°24 | 10° 5 | 21°35 | 17°43 | 16°54 | 26° 0 | 12°51 | F 21 |
| S 22 | 16 18 56 | 5°24'00 | 12♈31 | 25°48 | 7°57 | 25°33 | 25°29 | 13°10 | 5°27 | 10° 5 | 21°37 | 17°44 | 16°50 | 26° 7 | 12°54 | S 22 |
| S 23 | 16 22 52 | 6°21'17 | 25°37 | 27°53 | 8° 5 | 26°17 | 25°22 | 13° 8 | 5°29 | 10° 5 | 21°38 | 17°45 | 16°47 | 26°14 | 12°58 | S 23 |
| M24 | 16 26 49 | 7°18'33 | 8♉29 | 0♊ 1 | 8°12 | 27° 1 | 25°15 | 13° 7 | 5°31 | 10° 5 | 21°39 | 17°46 | 16°44 | 26°20 | 13° 2 | M24 |
| T 25 | 16 30 45 | 8°15'48 | 21° 9 | 2° 9 | 8°17 | 27°44 | 25° 8 | 13° 5 | 5°34 | 10° 5 | 21°40 | 17°R47 | 16°41 | 26°27 | 13° 6 | T 25 |
| W26 | 16 34 42 | 9°13'04 | 3♊36 | 4°19 | 8°R19 | 28°28 | 25° 1 | 13° 3 | 5°36 | 10° 6 | 21°42 | 17°46 | 16°38 | 26°34 | 13°10 | W26 |
| T 27 | 16 38 38 | 10°10'18 | 15°53 | 6°30 | 8°19 | 29°12 | 24°54 | 13° 2 | 5°39 | 10° 6 | 21°43 | 17°44 | 16°34 | 26°40 | 13°14 | T 27 |
| F 28 | 16 42 35 | 11° 7'33 | 28° 1 | 8°41 | 8°16 | 29°55 | 24°47 | 13° 0 | 5°41 | 10° 6 | 21°44 | 17°41 | 16°31 | 26°47 | 13°18 | F 28 |
| S 29 | 16 46 31 | 12° 4'46 | 10♋ 2 | 10°52 | 8°12 | 0♉39 | 24°40 | 12°59 | 5°44 | 10° 7 | 21°46 | 17°37 | 16°28 | 26°54 | 13°22 | S 29 |
| S 30 | 16 50 28 | 13° 1'59 | 21°57 | 13° 4 | 8° 5 | 1°22 | 24°32 | 12°58 | 5°46 | 10° 7 | 21°47 | 17°33 | 16°25 | 27° 1 | 13°25 | S 30 |
| M31 | 16 54 25 | 13♊59'12 | 3♌49 | 15♊15 | 7♋55 | 2♉ 5 | 24♐25 | 12♎57 | 5♌49 | 10♍ 8 | 21♋49 | 17♏29 | 16♏22 | 27♋ 7 | 13♉29 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n31 | 19n53 | 3s41 | 5n10 | 3s 7 | 27n12 | 3n38 | 3n 2 | 1s 2 | 23s16 | 0n17 | 3s 3 | 2n46 | 19n48 | 0n39 | 8n58 | 1n15 | 26n46 | 4n57 | 17s13 | 17s17 | 16n51 | 14n32 | 0s52 |
| S 2 | 16 48 | 18 30 | 4 23 | 5 41 | 3 5 | 27 10 | 3 36 | 3 20 | 1 1 | 23 16 | 0 16 | 3 2 | 2 46 | 19 48 | 0 39 | 8 59 | 1 15 | 26 46 | 4 57 | 17 13 | 17 16 | 16 49 | 14 34 | 0 52 |
| M 3 | 17 4 | 16 20 | 4 54 | 6 13 | 3 1 | 27 9 | 3 34 | 3 38 | 1 1 | 23 16 | 0 16 | 3 1 | 2 46 | 19 47 | 0 39 | 8 59 | 1 15 | 26 46 | 4 57 | 17 13 | 17 15 | 16 48 | 14 35 | 0 52 |
| T 4 | 17 20 | 13 29 | 5 12 | 6 47 | 2 57 | 27 7 | 3 32 | 3 56 | 1 1 | 23 16 | 0 16 | 3 0 | 2 46 | 19 47 | 0 39 | 8 59 | 1 15 | 26 46 | 4 57 | 17 13 | 17 14 | 16 46 | 14 36 | 0 52 |
| W 5 | 17 36 | 10 4 | 5 17 | 7 22 | 2 52 | 27 4 | 3 30 | 4 14 | 1 0 | 23 16 | 0 16 | 2 58 | 2 46 | 19 47 | 0 39 | 8 59 | 1 15 | 26 46 | 4 57 | 17 13 | 17 13 | 16 45 | 14 37 | 0 52 |
| T 6 | 17 52 | 6 12 | 5 8 | 7 58 | 2 47 | 27 1 | 3 27 | 4 32 | 1 0 | 23 16 | 0 16 | 2 57 | 2 45 | 19 46 | 0 39 | 8 59 | 1 15 | 26 45 | 4 57 | 17 13 | 17 12 | 16 43 | 14 38 | 0 52 |
| F 7 | 18 7 | 2 2 | 4 45 | 8 35 | 2 41 | 26 58 | 3 24 | 4 49 | 1 0 | 23 16 | 0 16 | 2 56 | 2 45 | 19 46 | 0 39 | 8 59 | 1 15 | 26 45 | 4 57 | 17 13 | 17 11 | 16 42 | 14 40 | 0 52 |
| S 8 | 18 22 | 2s20 | 4 8 | 9 13 | 2 35 | 26 54 | 3 21 | 5 7 | 0 59 | 23 16 | 0 16 | 2 55 | 2 45 | 19 46 | 0 39 | 8 59 | 1 15 | 26 45 | 4 57 | 17 14 | 17 10 | 16 40 | 14 41 | 0 52 |
| S 9 | 18 37 | 6 43 | 3 18 | 9 52 | 2 28 | 26 49 | 3 17 | 5 25 | 0 59 | 23 16 | 0 16 | 2 54 | 2 45 | 19 45 | 0 39 | 8 59 | 1 15 | 26 45 | 4 57 | 17 14 | 17 9 | 16 39 | 14 42 | 0 53 |
| M10 | 18 52 | 10 55 | 2 15 | 10 32 | 2 20 | 26 45 | 3 14 | 5 42 | 0 58 | 23 16 | 0 16 | 2 53 | 2 45 | 19 45 | 0 39 | 8 59 | 1 15 | 26 45 | 4 57 | 17 14 | 17 8 | 16 37 | 14 43 | 0 53 |
| T 11 | 19 6 | 14 41 | 1 4 | 11 13 | 2 12 | 26 40 | 3 9 | 6 0 | 0 58 | 23 16 | 0 15 | 2 52 | 2 44 | 19 44 | 0 39 | 8 59 | 1 15 | 26 44 | 4 57 | 17 14 | 17 8 | 16 36 | 14 44 | 0 53 |
| W12 | 19 20 | 17 42 | 0n14 | 11 54 | 2 4 | 26 34 | 3 5 | 6 17 | 0 58 | 23 16 | 0 15 | 2 52 | 2 44 | 19 44 | 0 39 | 8 59 | 1 15 | 26 44 | 4 57 | 17 14 | 17 7 | 16 34 | 14 45 | 0 53 |
| T 13 | 19 33 | 19 40 | 1 32 | 12 36 | 1 55 | 26 28 | 3 0 | 6 34 | 0 57 | 23 16 | 0 15 | 2 51 | 2 44 | 19 43 | 0 39 | 8 59 | 1 15 | 26 44 | 4 57 | 17 14 | 17 6 | 16 33 | 14 47 | 0 53 |
| F 14 | 19 46 | 20 23 | 2 45 | 13 18 | 1 46 | 26 22 | 2 55 | 6 52 | 0 57 | 23 16 | 0 15 | 2 50 | 2 44 | 19 43 | 0 39 | 8 59 | 1 15 | 26 44 | 4 56 | 17 14 | 17 5 | 16 31 | 14 48 | 0 53 |
| S 15 | 19 59 | 19 43 | 3 48 | 14 1 | 1 36 | 26 16 | 2 50 | 7 9 | 0 56 | 23 16 | 0 15 | 2 49 | 2 44 | 19 42 | 0 39 | 8 59 | 1 15 | 26 44 | 4 56 | 17 13 | 17 4 | 16 30 | 14 49 | 0 53 |
| S 16 | 20 12 | 17 44 | 4 36 | 14 44 | 1 27 | 26 9 | 2 44 | 7 26 | 0 56 | 23 16 | 0 15 | 2 48 | 2 43 | 19 42 | 0 39 | 8 59 | 1 15 | 26 43 | 4 56 | 17 13 | 17 3 | 16 28 | 14 50 | 0 53 |
| M17 | 20 24 | 14 37 | 5 6 | 15 27 | 1 16 | 26 2 | 2 38 | 7 43 | 0 55 | 23 16 | 0 15 | 2 48 | 2 43 | 19 41 | 0 39 | 8 59 | 1 15 | 26 43 | 4 56 | 17 13 | 17 2 | 16 27 | 14 51 | 0 53 |
| T 18 | 20 36 | 10 40 | 5 16 | 16 10 | 1 6 | 25 54 | 2 31 | 8 0 | 0 55 | 23 16 | 0 15 | 2 47 | 2 43 | 19 41 | 0 39 | 8 59 | 1 15 | 26 43 | 4 56 | 17 12 | 17 1 | 16 25 | 14 52 | 0 53 |
| W19 | 20 47 | 6 10 | 5 7 | 16 52 | 0 55 | 25 47 | 2 24 | 8 17 | 0 55 | 23 16 | 0 15 | 2 46 | 2 43 | 19 40 | 0 39 | 8 59 | 1 15 | 26 43 | 4 56 | 17 12 | 17 0 | 16 23 | 14 53 | 0 53 |
| T 20 | 20 58 | 1 26 | 4 40 | 17 35 | 0 44 | 25 38 | 2 17 | 8 33 | 0 54 | 23 16 | 0 14 | 2 46 | 2 42 | 19 40 | 0 39 | 8 59 | 1 15 | 26 42 | 4 56 | 17 12 | 16 59 | 16 22 | 14 55 | 0 54 |
| F 21 | 21 9 | 3n17 | 3 57 | 18 16 | 0 33 | 25 30 | 2 10 | 8 50 | 0 54 | 23 16 | 0 14 | 2 45 | 2 42 | 19 39 | 0 39 | 8 59 | 1 15 | 26 42 | 4 56 | 17 13 | 16 59 | 16 20 | 14 56 | 0 54 |
| S 22 | 21 19 | 7 46 | 3 3 | 18 57 | 0 22 | 25 21 | 2 2 | 9 7 | 0 53 | 23 16 | 0 14 | 2 44 | 2 42 | 19 38 | 0 39 | 8 59 | 1 15 | 26 42 | 4 56 | 17 13 | 16 58 | 16 19 | 14 57 | 0 54 |
| S 23 | 21 29 | 11 48 | 1 59 | 19 37 | 0 11 | 25 12 | 1 53 | 9 23 | 0 53 | 23 15 | 0 14 | 2 44 | 2 42 | 19 38 | 0 39 | 8 59 | 1 15 | 26 42 | 4 56 | 17 13 | 16 57 | 16 17 | 14 58 | 0 54 |
| M24 | 21 39 | 15 13 | 0 51 | 20 15 | 0 1 | 25 3 | 1 44 | 9 39 | 0 52 | 23 15 | 0 14 | 2 43 | 2 42 | 19 37 | 0 39 | 8 59 | 1 15 | 26 42 | 4 56 | 17 14 | 16 56 | 16 16 | 14 59 | 0 54 |
| T 25 | 21 48 | 17 51 | 0s19 | 20 53 | 0n10 | 24 54 | 1 35 | 9 55 | 0 52 | 23 15 | 0 14 | 2 43 | 2 41 | 19 37 | 0 39 | 8 59 | 1 15 | 26 41 | 4 56 | 17 14 | 16 55 | 16 14 | 15 0 | 0 54 |
| W26 | 21 57 | 19 35 | 1 26 | 21 28 | 0 21 | 24 44 | 1 25 | 10 12 | 0 51 | 23 15 | 0 14 | 2 43 | 2 41 | 19 36 | 0 39 | 8 59 | 1 15 | 26 41 | 4 56 | 17 13 | 16 54 | 16 13 | 15 1 | 0 54 |
| T 27 | 22 6 | 20 21 | 2 29 | 22 1 | 0 31 | 24 34 | 1 15 | 10 28 | 0 51 | 23 15 | 0 14 | 2 42 | 2 41 | 19 35 | 0 39 | 8 58 | 1 15 | 26 41 | 4 56 | 17 13 | 16 53 | 16 11 | 15 2 | 0 54 |
| F 28 | 22 14 | 20 10 | 3 23 | 22 33 | 0 41 | 24 23 | 1 5 | 10 43 | 0 50 | 23 15 | 0 13 | 2 42 | 2 41 | 19 35 | 0 39 | 8 58 | 1 15 | 26 41 | 4 56 | 17 12 | 16 52 | 16 10 | 15 3 | 0 54 |
| S 29 | 22 22 | 19 3 | 4 9 | 23 2 | 0 50 | 24 13 | 0 54 | 10 59 | 0 50 | 23 15 | 0 13 | 2 42 | 2 40 | 19 34 | 0 39 | 8 58 | 1 15 | 26 40 | 4 56 | 17 11 | 16 51 | 16 8 | 15 4 | 0 55 |
| S 30 | 22 29 | 17 7 | 4 43 | 23 28 | 0 59 | 24 2 | 0 42 | 11 15 | 0 49 | 23 14 | 0 13 | 2 42 | 2 40 | 19 33 | 0 39 | 8 58 | 1 15 | 26 40 | 4 56 | 17 10 | 16 50 | 16 7 | 15 5 | 0 55 |
| M31 | 22n36 | 14n28 | 5s 4 | 23n52 | 1n 8 | 23n51 | 0n31 | 11n30 | 0s49 | 23s14 | 0n13 | 2s41 | 2n40 | 19n33 | 0n39 | 8n58 | 1n14 | 26n40 | 4n56 | 17s 9 | 16s49 | 16n 5 | 15n 6 | 0s55 |

Julian Day Number = 2068896.5, Delta T = 28m38s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'23, Lahiri = 9°15'23 Julian Calendar 1 May 952 == Greg. Calendar 6 May 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## JUNE 952 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 58 21 | 14♊56'24 | 15♌41 | 17♊26 | 7°R43 | 2♉49 | 24°R17 | 12°R56 | 5♌51 | 10♍ 8 | 21♋50 | 17°R25 | 16♏19 | 27♋14 | 13♉33 | T 1 |
| W 2 | 17 2 18 | 15°53'35 | 27°36 | 19°36 | 7♋29 | 3°32 | 24♐10 | 12♎55 | 5°54 | 10° 9 | 21°52 | 17♏23 | 16°15 | 27°21 | 13°37 | W 2 |
| T 3 | 17 6 14 | 16°50'46 | 9♍39 | 21°46 | 7°12 | 4°15 | 24° 2 | 12°54 | 5°57 | 10° 9 | 21°53 | 17°21 | 16°12 | 27°27 | 13°40 | T 3 |
| F 4 | 17 10 11 | 17°47'56 | 21°55 | 23°54 | 6°53 | 4°58 | 23°55 | 12°53 | 5°59 | 10°10 | 21°54 | 17°D21 | 16° 9 | 27°34 | 13°44 | F 4 |
| S 5 | 17 14 7 | 18°45'06 | 4♎27 | 26° 0 | 6°32 | 5°41 | 23°47 | 12°53 | 6° 2 | 10°10 | 21°56 | 17°22 | 16° 6 | 27°41 | 13°48 | S 5 |
| S 6 | 17 18 4 | 19°42'15 | 17°20 | 28° 6 | 6° 8 | 6°24 | 23°39 | 12°52 | 6° 5 | 10°11 | 21°57 | 17°23 | 16° 3 | 27°48 | 13°51 | S 6 |
| M 7 | 17 22 0 | 20°39'23 | 0♏37 | 0♋ 9 | 5°43 | 7° 7 | 23°32 | 12°52 | 6° 8 | 10°12 | 21°59 | 17°25 | 15°59 | 27°54 | 13°55 | M 7 |
| T 8 | 17 25 57 | 21°36'32 | 14°20 | 2°11 | 5°15 | 7°50 | 23°24 | 12°52 | 6°11 | 10°13 | 22° 0 | 17°R26 | 15°56 | 28° 1 | 13°58 | T 8 |
| W 9 | 17 29 54 | 22°33'40 | 28°31 | 4°11 | 4°46 | 8°32 | 23°16 | 12°51 | 6°14 | 10°13 | 22° 2 | 17°25 | 15°53 | 28° 8 | 14° 2 | W 9 |
| T 10 | 17 33 50 | 23°30'48 | 13♐ 5 | 6°10 | 4°14 | 9°15 | 23° 9 | 12°51 | 6°17 | 10°14 | 22° 4 | 17°23 | 15°50 | 28°14 | 14° 5 | T 10 |
| F 11 | 17 37 47 | 24°27'56 | 27°58 | 8° 6 | 3°42 | 9°58 | 23° 1 | 12°D51 | 6°20 | 10°15 | 22° 5 | 17°20 | 15°47 | 28°21 | 14° 9 | F 11 |
| S 12 | 17 41 43 | 25°25'04 | 13♑ 1 | 10° 0 | 3° 8 | 10°40 | 22°53 | 12°51 | 6°23 | 10°16 | 22° 7 | 17°15 | 15°44 | 28°28 | 14°12 | S 12 |
| S 13 | 17 45 40 | 26°22'12 | 28° 5 | 11°53 | 2°33 | 11°22 | 22°46 | 12°51 | 6°26 | 10°17 | 22° 8 | 17° 9 | 15°40 | 28°35 | 14°16 | S 13 |
| M14 | 17 49 36 | 27°19'20 | 13♒ 2 | 13°43 | 1°56 | 12° 5 | 22°38 | 12°52 | 6°29 | 10°17 | 22°10 | 17° 4 | 15°37 | 28°41 | 14°19 | M14 |
| T 15 | 17 53 33 | 28°16'28 | 27°42 | 15°31 | 1°20 | 12°47 | 22°31 | 12°52 | 6°32 | 10°18 | 22°11 | 16°59 | 15°34 | 28°48 | 14°22 | T 15 |
| W16 | 17 57 30 | 29°13'37 | 12♓ 2 | 17°18 | 0°42 | 13°29 | 22°23 | 12°53 | 6°35 | 10°19 | 22°13 | 16°57 | 15°31 | 28°55 | 14°25 | W16 |
| T 17 | 18 1 26 | 0♋10'46 | 25°57 | 19° 2 | 0° 5 | 14°12 | 22°15 | 12°53 | 6°38 | 10°20 | 22°15 | 16°D55 | 15°28 | 29° 1 | 14°29 | T 17 |
| F 18 | 18 5 23 | 1° 7'55 | 9♈30 | 20°44 | 29♊28 | 14°54 | 22° 8 | 12°54 | 6°41 | 10°21 | 22°16 | 16°55 | 15°25 | 29° 8 | 14°32 | F 18 |
| S 19 | 18 9 19 | 2° 5'06 | 22°40 | 22°24 | 28°50 | 15°36 | 22° 0 | 12°54 | 6°44 | 10°22 | 22°18 | 16°57 | 15°21 | 29°15 | 14°35 | S 19 |
| S 20 | 18 13 16 | 3° 2'16 | 5♉32 | 24° 3 | 28°14 | 16°18 | 21°53 | 12°55 | 6°48 | 10°23 | 22°20 | 16°58 | 15°18 | 29°22 | 14°38 | S 20 |
| M21 | 18 17 12 | 3°59'28 | 18° 8 | 25°39 | 27°38 | 17° 0 | 21°45 | 12°56 | 6°51 | 10°25 | 22°21 | 16°R58 | 15°15 | 29°28 | 14°41 | M21 |
| T 22 | 18 21 9 | 4°56'39 | 0♊31 | 27°13 | 27° 3 | 17°41 | 21°38 | 12°57 | 6°54 | 10°26 | 22°23 | 16°57 | 15°12 | 29°35 | 14°44 | T 22 |
| W23 | 18 25 5 | 5°53'52 | 12°44 | 28°45 | 26°29 | 18°23 | 21°31 | 12°58 | 6°57 | 10°27 | 22°25 | 16°54 | 15° 9 | 29°42 | 14°47 | W23 |
| T 24 | 18 29 2 | 6°51'04 | 24°49 | 0♌15 | 25°56 | 19° 5 | 21°24 | 13° 0 | 7° 1 | 10°28 | 22°26 | 16°49 | 15° 5 | 29°49 | 14°50 | T 24 |
| F 25 | 18 32 59 | 7°48'18 | 6♋48 | 1°43 | 25°25 | 19°46 | 21°17 | 13° 1 | 7° 4 | 10°29 | 22°28 | 16°42 | 15° 2 | 29°55 | 14°53 | F 25 |
| S 26 | 18 36 55 | 8°45'31 | 18°43 | 3° 9 | 24°56 | 20°28 | 21°10 | 13° 3 | 7° 8 | 10°30 | 22°30 | 16°32 | 14°59 | 0♌ 2 | 14°56 | S 26 |
| S 27 | 18 40 52 | 9°42'46 | 0♌36 | 4°33 | 24°28 | 21° 9 | 21° 3 | 13° 4 | 7°11 | 10°32 | 22°31 | 16°22 | 14°56 | 0° 9 | 14°59 | S 27 |
| M28 | 18 44 48 | 10°40'00 | 12°27 | 5°55 | 24° 3 | 21°51 | 20°56 | 13° 6 | 7°14 | 10°33 | 22°33 | 16°12 | 14°53 | 0°15 | 15° 2 | M28 |
| T 29 | 18 48 45 | 11°37'15 | 24°19 | 7°14 | 23°39 | 22°32 | 20°49 | 13° 7 | 7°18 | 10°34 | 22°35 | 16° 3 | 14°50 | 0°22 | 15° 4 | T 29 |
| W30 | 18 52 41 | 12♋34'30 | 6♍15 | 8♌32 | 23♊18 | 23♉13 | 20♐42 | 13♎ 9 | 7♌21 | 10♍36 | 22♋36 | 15♏56 | 14♏46 | 0♌29 | 15♉ 7 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n43 | 11n14 | 5s13 | 24n14 | 1n15 | 23n40 | 0n19 | 11n46 | 0s48 | 23s14 | 0n13 | 2s41 | 2n40 | 19n32 | 0n39 | 8n57 | 1n14 | 26n40 | 4n56 | 17s 8 | 16s49 | 16n 3 | 15n 7 | 0s55 |
| W 2 | 22 49 | 7 33 | 5 8 | 24 32 | 1 23 | 23 28 | 0 6 | 12 1 | 0 47 | 23 14 | 0 13 | 2 41 | 2 39 | 19 31 | 0 39 | 8 57 | 1 14 | 26 39 | 4 56 | 17 7 | 16 48 | 16 2 | 15 8 | 0 55 |
| T 3 | 22 55 | 3 31 | 4 50 | 24 48 | 1 29 | 23 16 | 0s 6 | 12 16 | 0 47 | 23 14 | 0 13 | 2 41 | 2 39 | 19 31 | 0 39 | 8 57 | 1 14 | 26 39 | 4 56 | 17 6 | 16 47 | 16 0 | 15 9 | 0 55 |
| F 4 | 23 1 | 0s43 | 4 18 | 25 1 | 1 35 | 23 4 | 0 19 | 12 31 | 0 46 | 23 13 | 0 12 | 2 41 | 2 39 | 19 30 | 0 38 | 8 57 | 1 14 | 26 39 | 4 56 | 17 6 | 16 46 | 15 59 | 15 10 | 0 55 |
| S 5 | 23 6 | 5 2 | 3 34 | 25 11 | 1 40 | 22 52 | 0 33 | 12 46 | 0 46 | 23 13 | 0 12 | 2 41 | 2 39 | 19 29 | 0 38 | 8 56 | 1 14 | 26 39 | 4 56 | 17 7 | 16 45 | 15 57 | 15 11 | 0 55 |
| S 6 | 23 10 | 9 15 | 2 37 | 25 18 | 1 44 | 22 39 | 0 46 | 13 1 | 0 45 | 23 13 | 0 12 | 2 41 | 2 38 | 19 29 | 0 38 | 8 56 | 1 14 | 26 38 | 4 56 | 17 7 | 16 44 | 15 56 | 15 12 | 0 55 |
| M 7 | 23 15 | 13 10 | 1 31 | 25 23 | 1 48 | 22 27 | 1 0 | 13 16 | 0 45 | 23 13 | 0 12 | 2 41 | 2 38 | 19 28 | 0 38 | 8 56 | 1 14 | 26 38 | 4 56 | 17 7 | 16 43 | 15 54 | 15 13 | 0 56 |
| T 8 | 23 18 | 16 30 | 0 17 | 25 24 | 1 51 | 22 14 | 1 14 | 13 30 | 0 44 | 23 13 | 0 12 | 2 41 | 2 38 | 19 27 | 0 38 | 8 56 | 1 14 | 26 38 | 4 56 | 17 8 | 16 42 | 15 52 | 15 14 | 0 56 |
| W 9 | 23 22 | 18 58 | 1n 0 | 25 24 | 1 53 | 22 1 | 1 28 | 13 45 | 0 43 | 23 12 | 0 12 | 2 41 | 2 38 | 19 26 | 0 38 | 8 55 | 1 14 | 26 38 | 4 56 | 17 8 | 16 41 | 15 51 | 15 15 | 0 56 |
| T 10 | 23 25 | 20 16 | 2 15 | 25 20 | 1 55 | 21 48 | 1 42 | 13 59 | 0 43 | 23 12 | 0 12 | 2 41 | 2 37 | 19 26 | 0 38 | 8 55 | 1 14 | 26 37 | 4 56 | 17 7 | 16 40 | 15 49 | 15 16 | 0 56 |
| F 11 | 23 27 | 20 11 | 3 23 | 25 15 | 1 56 | 21 35 | 1 57 | 14 13 | 0 42 | 23 12 | 0 11 | 2 42 | 2 37 | 19 25 | 0 38 | 8 55 | 1 14 | 26 37 | 4 56 | 17 6 | 16 39 | 15 48 | 15 17 | 0 56 |
| S 12 | 23 30 | 18 40 | 4 17 | 25 7 | 1 56 | 21 21 | 2 11 | 14 27 | 0 42 | 23 12 | 0 11 | 2 42 | 2 37 | 19 24 | 0 38 | 8 54 | 1 14 | 26 37 | 4 56 | 17 5 | 16 38 | 15 46 | 15 18 | 0 56 |
| S 13 | 23 31 | 15 52 | 4 53 | 24 57 | 1 55 | 21 8 | 2 25 | 14 41 | 0 41 | 23 11 | 0 11 | 2 42 | 2 36 | 19 23 | 0 38 | 8 54 | 1 14 | 26 37 | 4 56 | 17 3 | 16 37 | 15 45 | 15 19 | 0 56 |
| M14 | 23 33 | 12 3 | 5 9 | 24 45 | 1 54 | 20 55 | 2 39 | 14 54 | 0 40 | 23 11 | 0 11 | 2 43 | 2 36 | 19 23 | 0 38 | 8 54 | 1 14 | 26 36 | 4 56 | 17 2 | 16 37 | 15 43 | 15 20 | 0 56 |
| T 15 | 23 34 | 7 34 | 5 5 | 24 31 | 1 52 | 20 42 | 2 52 | 15 8 | 0 40 | 23 11 | 0 11 | 2 43 | 2 36 | 19 22 | 0 38 | 8 53 | 1 14 | 26 36 | 4 56 | 17 0 | 16 36 | 15 41 | 15 20 | 0 56 |
| W16 | 23 34 | 2 46 | 4 41 | 24 15 | 1 50 | 20 28 | 3 6 | 15 21 | 0 39 | 23 10 | 0 11 | 2 43 | 2 36 | 19 21 | 0 38 | 8 53 | 1 14 | 26 36 | 4 56 | 16 59 | 16 35 | 15 40 | 15 21 | 0 57 |
| T 17 | 23 34 | 2n 4 | 4 1 | 23 58 | 1 46 | 20 15 | 3 19 | 15 34 | 0 39 | 23 10 | 0 11 | 2 44 | 2 35 | 19 20 | 0 38 | 8 52 | 1 14 | 26 36 | 4 56 | 16 59 | 16 34 | 15 38 | 15 22 | 0 57 |
| F 18 | 23 34 | 6 40 | 3 9 | 23 39 | 1 43 | 20 2 | 3 32 | 15 48 | 0 38 | 23 10 | 0 10 | 2 44 | 2 35 | 19 19 | 0 38 | 8 52 | 1 14 | 26 35 | 4 56 | 16 59 | 16 33 | 15 37 | 15 23 | 0 57 |
| S 19 | 23 33 | 10 50 | 2 8 | 23 19 | 1 39 | 19 50 | 3 44 | 16 0 | 0 37 | 23 10 | 0 10 | 2 45 | 2 35 | 19 18 | 0 38 | 8 52 | 1 14 | 26 35 | 4 56 | 16 59 | 16 32 | 15 35 | 15 24 | 0 57 |
| S 20 | 23 32 | 14 24 | 1 1 | 22 58 | 1 34 | 19 38 | 3 56 | 16 13 | 0 37 | 23 9 | 0 10 | 2 46 | 2 35 | 19 18 | 0 38 | 8 51 | 1 14 | 26 35 | 4 56 | 17 0 | 16 31 | 15 33 | 15 25 | 0 57 |
| M21 | 23 31 | 17 14 | 0s 6 | 22 35 | 1 28 | 19 26 | 4 8 | 16 26 | 0 36 | 23 9 | 0 10 | 2 46 | 2 34 | 19 17 | 0 38 | 8 51 | 1 14 | 26 35 | 4 56 | 17 0 | 16 30 | 15 32 | 15 25 | 0 57 |
| T 22 | 23 29 | 19 11 | 1 12 | 22 11 | 1 23 | 19 14 | 4 18 | 16 38 | 0 35 | 23 9 | 0 10 | 2 47 | 2 34 | 19 16 | 0 38 | 8 50 | 1 14 | 26 34 | 4 56 | 17 0 | 16 29 | 15 30 | 15 26 | 0 57 |
| W23 | 23 26 | 20 14 | 2 14 | 21 46 | 1 16 | 19 3 | 4 29 | 16 51 | 0 35 | 23 8 | 0 10 | 2 47 | 2 34 | 19 15 | 0 38 | 8 50 | 1 14 | 26 34 | 4 56 | 16 59 | 16 28 | 15 29 | 15 27 | 0 57 |
| T 24 | 23 24 | 20 19 | 3 9 | 21 20 | 1 10 | 18 52 | 4 39 | 17 3 | 0 34 | 23 8 | 0 10 | 2 48 | 2 34 | 19 14 | 0 38 | 8 49 | 1 14 | 26 34 | 4 56 | 16 57 | 16 27 | 15 27 | 15 28 | 0 58 |
| F 25 | 23 20 | 19 29 | 3 55 | 20 54 | 1 2 | 18 42 | 4 48 | 17 15 | 0 33 | 23 8 | 0 9 | 2 49 | 2 33 | 19 13 | 0 38 | 8 49 | 1 14 | 26 34 | 4 56 | 16 55 | 16 26 | 15 25 | 15 28 | 0 58 |
| S 26 | 23 17 | 17 48 | 4 30 | 20 27 | 0 55 | 18 33 | 4 56 | 17 27 | 0 33 | 23 7 | 0 9 | 2 50 | 2 33 | 19 13 | 0 38 | 8 48 | 1 14 | 26 33 | 4 56 | 16 52 | 16 25 | 15 24 | 15 29 | 0 58 |
| S 27 | 23 13 | 15 21 | 4 54 | 19 59 | 0 47 | 18 24 | 5 4 | 17 38 | 0 32 | 23 7 | 0 9 | 2 51 | 2 33 | 19 12 | 0 38 | 8 48 | 1 14 | 26 33 | 4 56 | 16 50 | 16 24 | 15 22 | 15 30 | 0 58 |
| M28 | 23 8 | 12 17 | 5 4 | 19 31 | 0 38 | 18 15 | 5 11 | 17 50 | 0 31 | 23 7 | 0 9 | 2 52 | 2 33 | 19 11 | 0 38 | 8 47 | 1 14 | 26 33 | 4 56 | 16 47 | 16 23 | 15 21 | 15 31 | 0 58 |
| T 29 | 23 4 | 8 44 | 5 2 | 19 2 | 0 29 | 18 8 | 5 18 | 18 1 | 0 30 | 23 6 | 0 9 | 2 52 | 2 32 | 19 10 | 0 38 | 8 47 | 1 14 | 26 33 | 4 57 | 16 44 | 16 23 | 15 19 | 15 31 | 0 58 |
| W30 | 22n58 | 4n50 | 4s46 | 18n33 | 0n20 | 18n 1 | 5s24 | 18n12 | 0s30 | 23s 6 | 0n 9 | 2s53 | 2n32 | 19n 9 | 0n38 | 8n46 | 1n14 | 26n32 | 4n57 | 16s42 | 16s22 | 15n17 | 15n32 | 0s58 |

Julian Day Number = 2068927.5, Delta T = 28m37s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'27, Lahiri = 9°15'27 Julian Calendar 1 June 952 == Greg. Calendar 6 June 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## JULY 952 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 56 38 | 13♋31'46 | 18♍18 | 9♌46 | 22°R59 | 23♉54 | 20°R36 | 13♎11 | 7♌25 | 10♍37 | 22♋38 | 15°R50 | 14♏43 | 0♌36 | 15♉10 | T 1 |
| F 2 | 19 0 34 | 14°29'02 | 0♎32 | 10°59 | 22♊42 | 24°35 | 20♐29 | 13°13 | 7°28 | 10°38 | 22°40 | 15♏47 | 14°40 | 0°42 | 15°12 | F 2 |
| S 3 | 19 4 31 | 15°26'18 | 13° 0 | 12° 9 | 22°27 | 25°16 | 20°23 | 13°15 | 7°32 | 10°40 | 22°42 | 15°D46 | 14°37 | 0°49 | 15°15 | S 3 |
| S 4 | 19 8 28 | 16°23'35 | 25°48 | 13°17 | 22°15 | 25°57 | 20°17 | 13°17 | 7°35 | 10°41 | 22°43 | 15°47 | 14°34 | 0°56 | 15°17 | S 4 |
| M 5 | 19 12 24 | 17°20'52 | 9♏ 0 | 14°22 | 22° 5 | 26°38 | 20°11 | 13°20 | 7°39 | 10°43 | 22°45 | 15°R47 | 14°31 | 1° 2 | 15°20 | M 5 |
| T 6 | 19 16 21 | 18°18'10 | 22°39 | 15°24 | 21°58 | 27°19 | 20° 5 | 13°22 | 7°42 | 10°44 | 22°47 | 15°47 | 14°27 | 1° 9 | 15°22 | T 6 |
| W 7 | 19 20 17 | 19°15'28 | 6♐46 | 16°24 | 21°53 | 27°59 | 19°59 | 13°25 | 7°46 | 10°46 | 22°48 | 15°46 | 14°24 | 1°16 | 15°25 | W 7 |
| T 8 | 19 24 14 | 20°12'47 | 21°21 | 17°21 | 21°50 | 28°40 | 19°53 | 13°27 | 7°49 | 10°47 | 22°50 | 15°42 | 14°21 | 1°23 | 15°27 | T 8 |
| F 9 | 19 28 10 | 21°10'07 | 6♑20 | 18°14 | 21°D50 | 29°20 | 19°47 | 13°30 | 7°53 | 10°49 | 22°52 | 15°35 | 14°18 | 1°29 | 15°29 | F 9 |
| S 10 | 19 32 7 | 22° 7'28 | 21°34 | 19° 5 | 21°52 | 0♊ 1 | 19°42 | 13°33 | 7°57 | 10°50 | 22°54 | 15°27 | 14°15 | 1°36 | 15°32 | S 10 |
| S 11 | 19 36 3 | 23° 4'49 | 6♒53 | 19°52 | 21°56 | 0°41 | 19°37 | 13°35 | 8° 0 | 10°52 | 22°55 | 15°17 | 14°11 | 1°43 | 15°34 | S 11 |
| M12 | 19 40 0 | 24° 2'12 | 22° 6 | 20°36 | 22° 3 | 1°21 | 19°31 | 13°38 | 8° 4 | 10°54 | 22°57 | 15° 8 | 14° 8 | 1°49 | 15°36 | M12 |
| T 13 | 19 43 57 | 24°59'35 | 7♓ 2 | 21°16 | 22°11 | 2° 1 | 19°26 | 13°41 | 8° 8 | 10°55 | 22°59 | 15° 0 | 14° 5 | 1°56 | 15°38 | T 13 |
| W14 | 19 47 53 | 25°57'00 | 21°34 | 21°52 | 22°22 | 2°42 | 19°21 | 13°44 | 8°11 | 10°57 | 23° 1 | 14°54 | 14° 2 | 2° 3 | 15°40 | W14 |
| T 15 | 19 51 50 | 26°54'26 | 5♈38 | 22°24 | 22°35 | 3°22 | 19°17 | 13°48 | 8°15 | 10°59 | 23° 2 | 14°50 | 13°59 | 2°10 | 15°42 | T 15 |
| F 16 | 19 55 46 | 27°51'53 | 19°14 | 22°52 | 22°50 | 4° 1 | 19°12 | 13°51 | 8°19 | 11° 0 | 23° 4 | 14°48 | 13°56 | 2°16 | 15°44 | F 16 |
| S 17 | 19 59 43 | 28°49'22 | 2♉23 | 23°16 | 23° 7 | 4°41 | 19° 8 | 13°54 | 8°22 | 11° 2 | 23° 6 | 14°D48 | 13°52 | 2°23 | 15°46 | S 17 |
| S 18 | 20 3 39 | 29°46'52 | 15°10 | 23°35 | 23°25 | 5°21 | 19° 4 | 13°58 | 8°26 | 11° 4 | 23° 7 | 14°R48 | 13°49 | 2°30 | 15°47 | S 18 |
| M19 | 20 7 36 | 0♌44'23 | 27°38 | 23°50 | 23°46 | 6° 1 | 18°59 | 14° 1 | 8°30 | 11° 6 | 23° 9 | 14°47 | 13°46 | 2°37 | 15°49 | M19 |
| T 20 | 20 11 32 | 1°41'56 | 9♊52 | 23°59 | 24° 8 | 6°40 | 18°56 | 14° 5 | 8°33 | 11° 8 | 23°11 | 14°45 | 13°43 | 2°43 | 15°51 | T 20 |
| W21 | 20 15 29 | 2°39'31 | 21°55 | 24°R 3 | 24°32 | 7°20 | 18°52 | 14° 8 | 8°37 | 11° 9 | 23°13 | 14°40 | 13°40 | 2°50 | 15°53 | W21 |
| T 22 | 20 19 26 | 3°37'07 | 3♋53 | 24° 2 | 24°58 | 7°59 | 18°48 | 14°12 | 8°41 | 11°11 | 23°14 | 14°32 | 13°37 | 2°57 | 15°54 | T 22 |
| F 23 | 20 23 22 | 4°34'44 | 15°46 | 23°56 | 25°25 | 8°38 | 18°45 | 14°16 | 8°45 | 11°13 | 23°16 | 14°22 | 13°33 | 3° 3 | 15°56 | F 23 |
| S 24 | 20 27 19 | 5°32'22 | 27°38 | 23°44 | 25°54 | 9°18 | 18°42 | 14°20 | 8°48 | 11°15 | 23°18 | 14° 9 | 13°30 | 3°10 | 15°57 | S 24 |
| S 25 | 20 31 15 | 6°30'02 | 9♌30 | 23°26 | 26°24 | 9°57 | 18°39 | 14°24 | 8°52 | 11°17 | 23°20 | 13°56 | 13°27 | 3°17 | 15°59 | S 25 |
| M26 | 20 35 12 | 7°27'43 | 21°23 | 23° 3 | 26°56 | 10°36 | 18°36 | 14°28 | 8°56 | 11°19 | 23°21 | 13°42 | 13°24 | 3°24 | 16° 0 | M26 |
| T 27 | 20 39 8 | 8°25'26 | 3♍19 | 22°34 | 27°29 | 11°15 | 18°33 | 14°32 | 8°59 | 11°21 | 23°23 | 13°29 | 13°21 | 3°30 | 16° 1 | T 27 |
| W28 | 20 43 5 | 9°23'09 | 15°19 | 22° 1 | 28° 4 | 11°53 | 18°30 | 14°36 | 9° 3 | 11°23 | 23°25 | 13°18 | 13°17 | 3°37 | 16° 2 | W28 |
| T 29 | 20 47 1 | 10°20'54 | 27°27 | 21°22 | 28°39 | 12°32 | 18°28 | 14°41 | 9° 7 | 11°25 | 23°26 | 13°10 | 13°14 | 3°44 | 16° 4 | T 29 |
| F 30 | 20 50 58 | 11°18'41 | 9♎43 | 20°39 | 29°16 | 13°11 | 18°26 | 14°45 | 9°11 | 11°27 | 23°28 | 13° 4 | 13°11 | 3°50 | 16° 5 | F 30 |
| S 31 | 20 54 55 | 12♌16'28 | 22♎12 | 19♌52 | 29♊54 | 13♊49 | 18♐24 | 14♎50 | 9♌14 | 11♍29 | 23♋30 | 13♏ 2 | 13♏ 8 | 3♌57 | 16♉ 6 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n53 | 0n42 | 4s18 | 18n 4 | 0n10 | 17n54 | 5s29 | 18n23 | 0s29 | 23s 6 | 0n 8 | 2s54 | 2n32 | 19n 8 | 0n38 | 8n46 | 1n14 | 26n32 | 4n57 | 16s40 | 16s21 | 15n16 | 15n33 | 0s59 |
| F 2 | 22 47 | 3s32 | 3 37 | 17 35 | 0 0 | 17 49 | 5 34 | 18 34 | 0 28 | 23 6 | 0 8 | 2 55 | 2 31 | 19 7 | 0 38 | 8 45 | 1 14 | 26 32 | 4 57 | 16 39 | 16 20 | 15 14 | 15 33 | 0 59 |
| S 3 | 22 40 | 7 42 | 2 46 | 17 5 | 0s10 | 17 44 | 5 38 | 18 45 | 0 28 | 23 5 | 0 8 | 2 56 | 2 31 | 19 6 | 0 38 | 8 45 | 1 14 | 26 32 | 4 57 | 16 39 | 16 19 | 15 12 | 15 34 | 0 59 |
| S 4 | 22 34 | 11 39 | 1 45 | 16 36 | 0 20 | 17 40 | 5 42 | 18 55 | 0 27 | 23 5 | 0 8 | 2 58 | 2 31 | 19 5 | 0 38 | 8 44 | 1 13 | 26 31 | 4 57 | 16 39 | 16 18 | 15 11 | 15 34 | 0 59 |
| M 5 | 22 26 | 15 9 | 0 36 | 16 7 | 0 31 | 17 36 | 5 45 | 19 5 | 0 26 | 23 5 | 0 8 | 2 59 | 2 31 | 19 4 | 0 38 | 8 43 | 1 13 | 26 31 | 4 57 | 16 39 | 16 17 | 15 9 | 15 35 | 0 59 |
| T 6 | 22 19 | 17 57 | 0n37 | 15 38 | 0 42 | 17 33 | 5 47 | 19 15 | 0 25 | 23 4 | 0 8 | 3 0 | 2 30 | 19 3 | 0 38 | 8 43 | 1 13 | 26 31 | 4 57 | 16 39 | 16 16 | 15 8 | 15 36 | 0 59 |
| W 7 | 22 11 | 19 46 | 1 49 | 15 9 | 0 54 | 17 31 | 5 49 | 19 25 | 0 25 | 23 4 | 0 8 | 3 1 | 2 30 | 19 3 | 0 38 | 8 42 | 1 13 | 26 31 | 4 57 | 16 39 | 16 15 | 15 6 | 15 36 | 0 59 |
| T 8 | 22 3 | 20 20 | 2 57 | 14 41 | 1 5 | 17 29 | 5 51 | 19 35 | 0 24 | 23 4 | 0 7 | 3 2 | 2 30 | 19 2 | 0 38 | 8 42 | 1 13 | 26 30 | 4 57 | 16 38 | 16 14 | 15 4 | 15 37 | 0 59 |
| F 9 | 21 54 | 19 30 | 3 55 | 14 13 | 1 17 | 17 28 | 5 52 | 19 45 | 0 23 | 23 3 | 0 7 | 3 4 | 2 30 | 19 1 | 0 38 | 8 41 | 1 13 | 26 30 | 4 57 | 16 36 | 16 13 | 15 3 | 15 37 | 1 0 |
| S 10 | 21 45 | 17 16 | 4 37 | 13 46 | 1 29 | 17 28 | 5 52 | 19 54 | 0 22 | 23 3 | 0 7 | 3 5 | 2 29 | 19 0 | 0 38 | 8 40 | 1 13 | 26 30 | 4 57 | 16 33 | 16 12 | 15 1 | 15 38 | 1 0 |
| S 11 | 21 35 | 13 50 | 4 59 | 13 20 | 1 41 | 17 28 | 5 52 | 20 3 | 0 22 | 23 3 | 0 7 | 3 6 | 2 29 | 18 59 | 0 38 | 8 40 | 1 13 | 26 30 | 4 57 | 16 31 | 16 11 | 14 59 | 15 38 | 1 0 |
| M12 | 21 25 | 9 29 | 5 0 | 12 55 | 1 53 | 17 28 | 5 52 | 20 12 | 0 21 | 23 3 | 0 7 | 3 8 | 2 29 | 18 58 | 0 38 | 8 39 | 1 13 | 26 29 | 4 57 | 16 28 | 16 10 | 14 58 | 15 39 | 1 0 |
| T 13 | 21 15 | 4 38 | 4 41 | 12 30 | 2 6 | 17 29 | 5 52 | 20 21 | 0 20 | 23 2 | 0 7 | 3 9 | 2 29 | 18 57 | 0 38 | 8 38 | 1 13 | 26 29 | 4 57 | 16 25 | 16 9 | 14 56 | 15 39 | 1 0 |
| W14 | 21 5 | 0n22 | 4 3 | 12 7 | 2 18 | 17 31 | 5 51 | 20 30 | 0 19 | 23 2 | 0 6 | 3 10 | 2 28 | 18 56 | 0 38 | 8 38 | 1 13 | 26 29 | 4 57 | 16 24 | 16 8 | 14 54 | 15 40 | 1 0 |
| T 15 | 20 54 | 5 11 | 3 12 | 11 45 | 2 30 | 17 33 | 5 49 | 20 39 | 0 18 | 23 2 | 0 6 | 3 12 | 2 28 | 18 55 | 0 38 | 8 37 | 1 13 | 26 29 | 4 58 | 16 23 | 16 7 | 14 53 | 15 40 | 1 0 |
| F 16 | 20 42 | 9 35 | 2 11 | 11 24 | 2 43 | 17 36 | 5 48 | 20 47 | 0 18 | 23 2 | 0 6 | 3 13 | 2 28 | 18 54 | 0 38 | 8 36 | 1 13 | 26 29 | 4 58 | 16 22 | 16 6 | 14 51 | 15 40 | 1 1 |
| S 17 | 20 31 | 13 23 | 1 5 | 11 5 | 2 55 | 17 38 | 5 46 | 20 55 | 0 17 | 23 2 | 0 6 | 3 15 | 2 28 | 18 53 | 0 38 | 8 36 | 1 13 | 26 28 | 4 58 | 16 22 | 16 5 | 14 49 | 15 41 | 1 1 |
| S 18 | 20 19 | 16 27 | 0s 2 | 10 48 | 3 7 | 17 41 | 5 43 | 21 3 | 0 16 | 23 1 | 0 6 | 3 16 | 2 27 | 18 52 | 0 38 | 8 35 | 1 13 | 26 28 | 4 58 | 16 22 | 16 5 | 14 48 | 15 41 | 1 1 |
| M19 | 20 6 | 18 39 | 1 7 | 10 32 | 3 19 | 17 45 | 5 41 | 21 11 | 0 15 | 23 1 | 0 6 | 3 18 | 2 27 | 18 51 | 0 38 | 8 34 | 1 13 | 26 28 | 4 58 | 16 22 | 16 4 | 14 46 | 15 42 | 1 1 |
| T 20 | 19 54 | 19 56 | 2 9 | 10 18 | 3 30 | 17 49 | 5 38 | 21 19 | 0 14 | 23 1 | 0 5 | 3 20 | 2 27 | 18 50 | 0 38 | 8 34 | 1 13 | 26 28 | 4 58 | 16 21 | 16 3 | 14 44 | 15 42 | 1 1 |
| W21 | 19 41 | 20 17 | 3 3 | 10 6 | 3 41 | 17 53 | 5 35 | 21 26 | 0 14 | 23 1 | 0 5 | 3 21 | 2 27 | 18 49 | 0 38 | 8 33 | 1 13 | 26 27 | 4 58 | 16 20 | 16 2 | 14 43 | 15 42 | 1 1 |
| T 22 | 19 27 | 19 42 | 3 49 | 9 57 | 3 51 | 17 57 | 5 32 | 21 33 | 0 13 | 23 1 | 0 5 | 3 23 | 2 27 | 18 48 | 0 38 | 8 32 | 1 13 | 26 27 | 4 58 | 16 17 | 16 1 | 14 41 | 15 43 | 1 1 |
| F 23 | 19 13 | 18 16 | 4 24 | 9 50 | 4 1 | 18 1 | 5 29 | 21 40 | 0 12 | 23 1 | 0 5 | 3 25 | 2 26 | 18 47 | 0 38 | 8 31 | 1 13 | 26 27 | 4 58 | 16 14 | 16 0 | 14 39 | 15 43 | 1 2 |
| S 24 | 18 59 | 16 3 | 4 48 | 9 45 | 4 10 | 18 6 | 5 25 | 21 47 | 0 11 | 23 0 | 0 5 | 3 26 | 2 26 | 18 46 | 0 38 | 8 31 | 1 13 | 26 27 | 4 58 | 16 11 | 15 59 | 14 38 | 15 43 | 1 2 |
| S 25 | 18 45 | 13 10 | 4 59 | 9 43 | 4 18 | 18 10 | 5 21 | 21 54 | 0 10 | 23 0 | 0 5 | 3 28 | 2 26 | 18 45 | 0 38 | 8 30 | 1 13 | 26 27 | 4 58 | 16 6 | 15 58 | 14 36 | 15 43 | 1 2 |
| M26 | 18 30 | 9 46 | 4 57 | 9 44 | 4 25 | 18 15 | 5 17 | 22 0 | 0 9 | 23 0 | 0 5 | 3 30 | 2 26 | 18 44 | 0 38 | 8 29 | 1 13 | 26 26 | 4 59 | 16 2 | 15 57 | 14 34 | 15 44 | 1 2 |
| T 27 | 18 16 | 5 58 | 4 42 | 9 48 | 4 31 | 18 20 | 5 13 | 22 7 | 0 8 | 23 0 | 0 4 | 3 32 | 2 25 | 18 43 | 0 38 | 8 28 | 1 13 | 26 26 | 4 59 | 15 58 | 15 56 | 14 33 | 15 44 | 1 2 |
| W28 | 18 0 | 1 54 | 4 15 | 9 54 | 4 36 | 18 25 | 5 9 | 22 13 | 0 8 | 23 0 | 0 4 | 3 34 | 2 25 | 18 42 | 0 38 | 8 28 | 1 13 | 26 26 | 4 59 | 15 55 | 15 55 | 14 31 | 15 44 | 1 2 |
| T 29 | 17 45 | 2s16 | 3 36 | 10 4 | 4 39 | 18 29 | 5 5 | 22 19 | 0 7 | 23 0 | 0 4 | 3 35 | 2 25 | 18 41 | 0 38 | 8 27 | 1 13 | 26 26 | 4 59 | 15 53 | 15 54 | 14 29 | 15 44 | 1 3 |
| F 30 | 17 29 | 6 25 | 2 46 | 10 16 | 4 40 | 18 34 | 5 0 | 22 25 | 0 6 | 23 0 | 0 4 | 3 37 | 2 25 | 18 40 | 0 38 | 8 26 | 1 13 | 26 26 | 4 59 | 15 51 | 15 53 | 14 28 | 15 44 | 1 3 |
| S 31 | 17n13 | 10s21 | 1s48 | 10n31 | 4s40 | 18n39 | 4s55 | 22n30 | 0s 5 | 23s 0 | 0n 4 | 3s39 | 2n25 | 18n39 | 0n38 | 8n25 | 1n13 | 26n25 | 4n59 | 15s50 | 15s52 | 14n26 | 15n45 | 1s 3 |

Julian Day Number = 2068957.5, Delta T = 28m37s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'31, Lahiri = 9°15'32 Julian Calendar 1 July 952 == Greg. Calendar 6 July 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## AUGUST 952 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 58 51 | 13♌14'17 | 4♏58 | 19°R 2 | 0♋33 | 14♊28 | 18°R22 | 14♎54 | 9♌18 | 11♍31 | 23♋31 | 13°R 1 | 13♏ 5 | 4♌ 4 | 16♉ 7 | S 1 |
| M 2 | 21 2 48 | 14°12'07 | 18° 5 | 18♌10 | 1°14 | 15° 6 | 18♐21 | 14°59 | 9°22 | 11°33 | 23°33 | 13♏ 1 | 13° 2 | 4°11 | 16° 8 | M 2 |
| T 3 | 21 6 44 | 15° 9'58 | 1♐36 | 17°16 | 1°55 | 15°44 | 18°19 | 15° 3 | 9°26 | 11°35 | 23°35 | 13° 0 | 12°58 | 4°17 | 16° 8 | T 3 |
| W 4 | 21 10 41 | 16° 7'50 | 15°34 | 16°22 | 2°37 | 16°22 | 18°18 | 15° 8 | 9°29 | 11°37 | 23°36 | 12°58 | 12°55 | 4°24 | 16° 9 | W 4 |
| T 5 | 21 14 37 | 17° 5'44 | 29°59 | 15°29 | 3°21 | 17° 0 | 18°17 | 15°13 | 9°33 | 11°39 | 23°38 | 12°54 | 12°52 | 4°31 | 16°10 | T 5 |
| F 6 | 21 18 34 | 18° 3'39 | 14♑50 | 14°37 | 4° 5 | 17°38 | 18°16 | 15°18 | 9°37 | 11°41 | 23°39 | 12°47 | 12°49 | 4°38 | 16°11 | F 6 |
| S 7 | 21 22 30 | 19° 1'36 | 29°58 | 13°49 | 4°50 | 18°16 | 18°16 | 15°23 | 9°40 | 11°43 | 23°41 | 12°37 | 12°46 | 4°44 | 16°11 | S 7 |
| S 8 | 21 26 27 | 19°59'34 | 15♒16 | 13° 4 | 5°36 | 18°54 | 18°15 | 15°28 | 9°44 | 11°45 | 23°43 | 12°27 | 12°43 | 4°51 | 16°12 | S 8 |
| M 9 | 21 30 24 | 20°57'34 | 0♓31 | 12°25 | 6°23 | 19°31 | 18°15 | 15°33 | 9°48 | 11°47 | 23°44 | 12°16 | 12°39 | 4°58 | 16°12 | M 9 |
| T 10 | 21 34 20 | 21°55'35 | 15°34 | 11°52 | 7°11 | 20° 9 | 18°D15 | 15°38 | 9°51 | 11°49 | 23°46 | 12° 7 | 12°36 | 5° 4 | 16°13 | T 10 |
| W11 | 21 38 17 | 22°53'38 | 0♈14 | 11°26 | 7°59 | 20°46 | 18°15 | 15°43 | 9°55 | 11°51 | 23°47 | 11°59 | 12°33 | 5°11 | 16°13 | W11 |
| T 12 | 21 42 13 | 23°51'44 | 14°26 | 11° 7 | 8°49 | 21°24 | 18°15 | 15°49 | 9°59 | 11°53 | 23°49 | 11°54 | 12°30 | 5°18 | 16°14 | T 12 |
| F 13 | 21 46 10 | 24°49'51 | 28° 9 | 10°57 | 9°39 | 22° 1 | 18°16 | 15°54 | 10° 2 | 11°56 | 23°50 | 11°52 | 12°27 | 5°25 | 16°14 | F 13 |
| S 14 | 21 50 6 | 25°48'00 | 11♉23 | 10°D54 | 10°30 | 22°38 | 18°16 | 15°59 | 10° 6 | 11°58 | 23°52 | 11°D51 | 12°23 | 5°31 | 16°14 | S 14 |
| S 15 | 21 54 3 | 26°46'11 | 24°11 | 11° 1 | 11°21 | 23°15 | 18°17 | 16° 5 | 10°10 | 12° 0 | 23°53 | 11°R52 | 12°20 | 5°38 | 16°14 | S 15 |
| M16 | 21 57 59 | 27°44'25 | 6♊39 | 11°16 | 12°13 | 23°52 | 18°18 | 16°10 | 10°13 | 12° 2 | 23°55 | 11°51 | 12°17 | 5°45 | 16°14 | M16 |
| T 17 | 22 1 56 | 28°42'40 | 18°51 | 11°40 | 13° 6 | 24°29 | 18°20 | 16°16 | 10°17 | 12° 4 | 23°56 | 11°50 | 12°14 | 5°51 | 16°R14 | T 17 |
| W18 | 22 5 52 | 29°40'58 | 0♋52 | 12°12 | 14° 0 | 25° 5 | 18°21 | 16°21 | 10°20 | 12° 6 | 23°58 | 11°45 | 12°11 | 5°58 | 16°14 | W18 |
| T 19 | 22 9 49 | 0♍39'17 | 12°46 | 12°53 | 14°54 | 25°42 | 18°23 | 16°27 | 10°24 | 12° 9 | 23°59 | 11°39 | 12° 8 | 6° 5 | 16°14 | T 19 |
| F 20 | 22 13 46 | 1°37'39 | 24°37 | 13°42 | 15°48 | 26°18 | 18°25 | 16°33 | 10°28 | 12°11 | 24° 1 | 11°30 | 12° 4 | 6°12 | 16°14 | F 20 |
| S 21 | 22 17 42 | 2°36'03 | 6♌29 | 14°39 | 16°44 | 26°54 | 18°27 | 16°39 | 10°31 | 12°13 | 24° 2 | 11°18 | 12° 1 | 6°18 | 16°14 | S 21 |
| S 22 | 22 21 39 | 3°34'29 | 18°23 | 15°43 | 17°39 | 27°31 | 18°29 | 16°45 | 10°35 | 12°15 | 24° 4 | 11° 6 | 11°58 | 6°25 | 16°13 | S 22 |
| M23 | 22 25 35 | 4°32'56 | 0♍20 | 16°54 | 18°36 | 28° 7 | 18°31 | 16°50 | 10°38 | 12°17 | 24° 5 | 10°53 | 11°55 | 6°32 | 16°13 | M23 |
| T 24 | 22 29 32 | 5°31'26 | 12°24 | 18°11 | 19°32 | 28°42 | 18°34 | 16°56 | 10°42 | 12°20 | 24° 6 | 10°41 | 11°52 | 6°39 | 16°12 | T 24 |
| W25 | 22 33 28 | 6°29'57 | 24°34 | 19°33 | 20°30 | 29°18 | 18°36 | 17° 2 | 10°45 | 12°22 | 24° 8 | 10°31 | 11°48 | 6°45 | 16°12 | W25 |
| T 26 | 22 37 25 | 7°28'31 | 6♎51 | 21° 1 | 21°27 | 29°54 | 18°39 | 17° 8 | 10°48 | 12°24 | 24° 9 | 10°24 | 11°45 | 6°52 | 16°11 | T 26 |
| F 27 | 22 41 21 | 8°27'06 | 19°18 | 22°33 | 22°25 | 0♋29 | 18°42 | 17°15 | 10°52 | 12°26 | 24°10 | 10°19 | 11°42 | 6°59 | 16°11 | F 27 |
| S 28 | 22 45 18 | 9°25'43 | 1♏57 | 24° 9 | 23°24 | 1° 5 | 18°46 | 17°21 | 10°55 | 12°29 | 24°12 | 10°17 | 11°39 | 7° 5 | 16°10 | S 28 |
| S 29 | 22 49 15 | 10°24'22 | 14°49 | 25°48 | 24°23 | 1°40 | 18°49 | 17°27 | 10°59 | 12°31 | 24°13 | 10°D17 | 11°36 | 7°12 | 16° 9 | S 29 |
| M30 | 22 53 11 | 11°23'03 | 27°57 | 27°30 | 25°23 | 2°15 | 18°53 | 17°33 | 11° 2 | 12°33 | 24°14 | 10°18 | 11°33 | 7°19 | 16° 9 | M30 |
| T 31 | 22 57 8 | 12♍21'45 | 11♐26 | 29♌14 | 26♋23 | 2♋50 | 18♐57 | 17♎39 | 11♌ 5 | 12♍35 | 24♋16 | 10°R18 | 11♏29 | 7♌26 | 16♉ 8 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n56 | 13s55 | 0s42 | 10n48 | 4s38 | 18n44 | 4s51 | 22n36 | 0s 4 | 23s 0 | 0n 4 | 3s41 | 2n24 | 18n38 | 0n38 | 8n25 | 1n13 | 26n25 | 4n59 | 15s50 | 15s51 | 14n24 | 15n45 | 1s 3 |
| M 2 | 16 40 | 16 53 | 0n27 | 11 8 | 4 34 | 18 48 | 4 46 | 22 41 | 0 3 | 23 0 | 0 4 | 3 43 | 2 24 | 18 37 | 0 38 | 8 24 | 1 13 | 26 25 | 4 59 | 15 50 | 15 50 | 14 23 | 15 45 | 1 3 |
| T 3 | 16 23 | 19 1 | 1 37 | 11 30 | 4 28 | 18 53 | 4 41 | 22 46 | 0 2 | 23 0 | 0 3 | 3 45 | 2 24 | 18 36 | 0 38 | 8 23 | 1 13 | 26 25 | 4 59 | 15 50 | 15 49 | 14 21 | 15 45 | 1 3 |
| W 4 | 16 5 | 20 5 | 2 43 | 11 53 | 4 20 | 18 57 | 4 36 | 22 51 | 0 1 | 23 0 | 0 3 | 3 47 | 2 24 | 18 35 | 0 38 | 8 22 | 1 13 | 26 25 | 5 0 | 15 49 | 15 48 | 14 19 | 15 45 | 1 3 |
| T 5 | 15 48 | 19 53 | 3 41 | 12 18 | 4 10 | 19 1 | 4 31 | 22 56 | 0 0 | 23 0 | 0 3 | 3 49 | 2 24 | 18 34 | 0 38 | 8 21 | 1 13 | 26 25 | 5 0 | 15 48 | 15 47 | 14 18 | 15 45 | 1 4 |
| F 6 | 15 30 | 18 20 | 4 26 | 12 44 | 3 58 | 19 5 | 4 25 | 23 0 | 0n 0 | 23 0 | 0 3 | 3 51 | 2 23 | 18 33 | 0 38 | 8 21 | 1 13 | 26 24 | 5 0 | 15 46 | 15 46 | 14 16 | 15 45 | 1 4 |
| S 7 | 15 12 | 15 29 | 4 53 | 13 11 | 3 45 | 19 9 | 4 20 | 23 4 | 0 1 | 23 0 | 0 3 | 3 53 | 2 23 | 18 32 | 0 38 | 8 20 | 1 13 | 26 24 | 5 0 | 15 43 | 15 45 | 14 14 | 15 45 | 1 4 |
| S 8 | 14 54 | 11 34 | 5 0 | 13 37 | 3 31 | 19 13 | 4 15 | 23 9 | 0 2 | 23 0 | 0 3 | 3 55 | 2 23 | 18 31 | 0 38 | 8 19 | 1 13 | 26 24 | 5 0 | 15 40 | 15 44 | 14 13 | 15 45 | 1 4 |
| M 9 | 14 35 | 6 54 | 4 46 | 14 3 | 3 15 | 19 16 | 4 9 | 23 13 | 0 3 | 23 0 | 0 3 | 3 58 | 2 23 | 18 30 | 0 38 | 8 18 | 1 13 | 26 24 | 5 0 | 15 36 | 15 43 | 14 11 | 15 45 | 1 4 |
| T 10 | 14 17 | 1 52 | 4 11 | 14 29 | 2 58 | 19 19 | 4 4 | 23 16 | 0 4 | 23 1 | 0 2 | 4 0 | 2 23 | 18 29 | 0 38 | 8 17 | 1 13 | 26 24 | 5 0 | 15 33 | 15 42 | 14 9 | 15 45 | 1 4 |
| W11 | 13 58 | 3n10 | 3 21 | 14 53 | 2 40 | 19 22 | 3 58 | 23 20 | 0 5 | 23 1 | 0 2 | 4 2 | 2 22 | 18 28 | 0 38 | 8 17 | 1 13 | 26 24 | 5 0 | 15 31 | 15 41 | 14 7 | 15 45 | 1 5 |
| T 12 | 13 38 | 7 52 | 2 20 | 15 15 | 2 22 | 19 25 | 3 53 | 23 24 | 0 6 | 23 1 | 0 2 | 4 4 | 2 22 | 18 27 | 0 38 | 8 16 | 1 13 | 26 23 | 5 1 | 15 30 | 15 40 | 14 6 | 15 45 | 1 5 |
| F 13 | 13 19 | 12 0 | 1 12 | 15 36 | 2 3 | 19 27 | 3 47 | 23 27 | 0 7 | 23 1 | 0 2 | 4 6 | 2 22 | 18 27 | 0 38 | 8 15 | 1 13 | 26 23 | 5 1 | 15 29 | 15 39 | 14 4 | 15 45 | 1 5 |
| S 14 | 12 59 | 15 22 | 0 3 | 15 55 | 1 45 | 19 29 | 3 41 | 23 30 | 0 8 | 23 1 | 0 2 | 4 9 | 2 22 | 18 26 | 0 38 | 8 14 | 1 13 | 26 23 | 5 1 | 15 29 | 15 38 | 14 2 | 15 45 | 1 5 |
| S 15 | 12 40 | 17 53 | 1s 5 | 16 11 | 1 26 | 19 30 | 3 36 | 23 33 | 0 9 | 23 2 | 0 2 | 4 11 | 2 22 | 18 25 | 0 38 | 8 13 | 1 13 | 26 23 | 5 1 | 15 29 | 15 38 | 14 1 | 15 45 | 1 5 |
| M16 | 12 20 | 19 27 | 2 7 | 16 24 | 1 8 | 19 31 | 3 30 | 23 36 | 0 10 | 23 2 | 0 2 | 4 13 | 2 21 | 18 24 | 0 38 | 8 12 | 1 13 | 26 23 | 5 1 | 15 29 | 15 37 | 13 59 | 15 45 | 1 5 |
| T 17 | 11 59 | 20 4 | 3 3 | 16 35 | 0 50 | 19 32 | 3 24 | 23 38 | 0 11 | 23 2 | 0 1 | 4 15 | 2 21 | 18 23 | 0 38 | 8 12 | 1 13 | 26 23 | 5 1 | 15 28 | 15 36 | 13 57 | 15 45 | 1 5 |
| W18 | 11 39 | 19 45 | 3 49 | 16 43 | 0 33 | 19 33 | 3 19 | 23 41 | 0 12 | 23 2 | 0 1 | 4 18 | 2 21 | 18 22 | 0 38 | 8 11 | 1 13 | 26 23 | 5 1 | 15 27 | 15 35 | 13 56 | 15 44 | 1 6 |
| T 19 | 11 18 | 18 34 | 4 25 | 16 47 | 0 16 | 19 33 | 3 13 | 23 43 | 0 13 | 23 3 | 0 1 | 4 20 | 2 21 | 18 21 | 0 38 | 8 10 | 1 13 | 26 23 | 5 2 | 15 25 | 15 34 | 13 54 | 15 44 | 1 6 |
| F 20 | 10 57 | 16 35 | 4 49 | 16 48 | 0 0 | 19 32 | 3 7 | 23 45 | 0 14 | 23 3 | 0 1 | 4 22 | 2 21 | 18 20 | 0 38 | 8 9 | 1 13 | 26 22 | 5 2 | 15 22 | 15 33 | 13 52 | 15 44 | 1 6 |
| S 21 | 10 36 | 13 54 | 5 1 | 16 46 | 0n15 | 19 31 | 3 1 | 23 47 | 0 15 | 23 3 | 0 1 | 4 25 | 2 21 | 18 19 | 0 38 | 8 8 | 1 13 | 26 22 | 5 2 | 15 18 | 15 32 | 13 50 | 15 44 | 1 6 |
| S 22 | 10 15 | 10 39 | 4 59 | 16 40 | 0 28 | 19 30 | 2 55 | 23 49 | 0 16 | 23 3 | 0 1 | 4 27 | 2 20 | 18 18 | 0 38 | 8 7 | 1 13 | 26 22 | 5 2 | 15 14 | 15 31 | 13 49 | 15 44 | 1 6 |
| M23 | 9 54 | 6 58 | 4 45 | 16 31 | 0 41 | 19 29 | 2 50 | 23 51 | 0 17 | 23 4 | 0 1 | 4 30 | 2 20 | 18 17 | 0 38 | 8 7 | 1 13 | 26 22 | 5 2 | 15 10 | 15 30 | 13 47 | 15 43 | 1 6 |
| T 24 | 9 32 | 2 59 | 4 18 | 16 18 | 0 53 | 19 26 | 2 44 | 23 52 | 0 18 | 23 4 | 0 1 | 4 32 | 2 20 | 18 16 | 0 38 | 8 6 | 1 13 | 26 22 | 5 2 | 15 7 | 15 29 | 13 45 | 15 43 | 1 7 |
| W25 | 9 11 | 1s10 | 3 38 | 16 2 | 1 3 | 19 24 | 2 38 | 23 53 | 0 19 | 23 4 | 0 0 | 4 35 | 2 20 | 18 15 | 0 38 | 8 5 | 1 13 | 26 22 | 5 2 | 15 4 | 15 28 | 13 43 | 15 43 | 1 7 |
| T 26 | 8 49 | 5 19 | 2 48 | 15 43 | 1 13 | 19 21 | 2 32 | 23 55 | 0 20 | 23 5 | 0 0 | 4 37 | 2 20 | 18 14 | 0 38 | 8 4 | 1 13 | 26 22 | 5 3 | 15 1 | 15 27 | 13 42 | 15 42 | 1 7 |
| F 27 | 8 27 | 9 17 | 1 50 | 15 21 | 1 21 | 19 17 | 2 26 | 23 56 | 0 21 | 23 5 | 0 0 | 4 39 | 2 20 | 18 13 | 0 38 | 8 3 | 1 13 | 26 22 | 5 3 | 15 0 | 15 26 | 13 40 | 15 42 | 1 7 |
| S 28 | 8 5 | 12 55 | 0 44 | 14 56 | 1 28 | 19 13 | 2 21 | 23 56 | 0 22 | 23 6 | 0 0 | 4 42 | 2 20 | 18 12 | 0 38 | 8 2 | 1 13 | 26 22 | 5 3 | 14 59 | 15 25 | 13 38 | 15 42 | 1 7 |
| S 29 | 7 42 | 15 59 | 0n24 | 14 29 | 1 35 | 19 9 | 2 15 | 23 57 | 0 23 | 23 6 | 0s 0 | 4 44 | 2 19 | 18 11 | 0 38 | 8 1 | 1 13 | 26 22 | 5 3 | 14 59 | 15 24 | 13 37 | 15 41 | 1 7 |
| M30 | 7 20 | 18 18 | 1 33 | 13 58 | 1 40 | 19 4 | 2 9 | 23 58 | 0 24 | 23 7 | 0 0 | 4 47 | 2 19 | 18 10 | 0 39 | 8 1 | 1 13 | 26 22 | 5 3 | 14 59 | 15 23 | 13 35 | 15 41 | 1 8 |
| T 31 | 6n58 | 19s39 | 2n39 | 13n26 | 1n44 | 18n59 | 2s 3 | 23n58 | 0n25 | 23s 7 | 0s 0 | 4s49 | 2n19 | 18n10 | 0n39 | 8n 0 | 1n13 | 26n22 | 5n 3 | 15s 0 | 15s22 | 13n33 | 15n41 | 1s 8 |

Julian Day Number = 2068988.5, Delta T = 28m37s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'35, Lahiri = 9°15'36 Julian Calendar 1 Aug. 952 == Greg. Calendar 6 Aug. 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## SEPTEMBER 952 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 1 4 | 13♍20'29 | 25♐15 | 1♍ 0 | 27♋23 | 3♋25 | 19♐ 1 | 17♎46 | 11♌ 9 | 12♍38 | 24♋17 | 10°R18 | 11♏26 | 7♌32 | 16°R 7 | W 1 |
| T 2 | 23 5 1 | 14°19'15 | 9♑27 | 2°47 | 28°24 | 4° 0 | 19° 5 | 17°52 | 11°12 | 12°40 | 24°18 | 10♏15 | 11°23 | 7°39 | 16♉ 6 | T 2 |
| F 3 | 23 8 57 | 15°18'03 | 24° 0 | 4°35 | 29°25 | 4°34 | 19° 9 | 17°59 | 11°15 | 12°42 | 24°19 | 10°10 | 11°20 | 7°46 | 16° 5 | F 3 |
| S 4 | 23 12 54 | 16°16'52 | 8♒50 | 6°24 | 0♌26 | 5° 9 | 19°14 | 18° 5 | 11°18 | 12°44 | 24°20 | 10° 4 | 11°17 | 7°53 | 16° 4 | S 4 |
| S 5 | 23 16 50 | 17°15'43 | 23°51 | 8°14 | 1°28 | 5°43 | 19°18 | 18°12 | 11°22 | 12°46 | 24°22 | 9°56 | 11°14 | 7°59 | 16° 2 | S 5 |
| M 6 | 23 20 47 | 18°14'36 | 8♓52 | 10° 4 | 2°30 | 6°17 | 19°23 | 18°18 | 11°25 | 12°49 | 24°23 | 9°48 | 11°10 | 8° 6 | 16° 1 | M 6 |
| T 7 | 23 24 44 | 19°13'31 | 23°45 | 11°53 | 3°33 | 6°51 | 19°28 | 18°25 | 11°28 | 12°51 | 24°24 | 9°40 | 11° 7 | 8°13 | 16° 0 | T 7 |
| W 8 | 23 28 40 | 20°12'28 | 8♈21 | 13°43 | 4°35 | 7°25 | 19°34 | 18°31 | 11°31 | 12°53 | 24°25 | 9°35 | 11° 4 | 8°19 | 15°58 | W 8 |
| T 9 | 23 32 37 | 21°11'28 | 22°34 | 15°32 | 5°39 | 7°59 | 19°39 | 18°38 | 11°34 | 12°55 | 24°26 | 9°32 | 11° 1 | 8°26 | 15°57 | T 9 |
| F 10 | 23 36 33 | 22°10'29 | 6♉20 | 17°21 | 6°42 | 8°32 | 19°44 | 18°45 | 11°37 | 12°58 | 24°27 | 9°D30 | 10°58 | 8°33 | 15°56 | F 10 |
| S 11 | 23 40 30 | 23° 9'33 | 19°38 | 19° 9 | 7°46 | 9° 6 | 19°50 | 18°51 | 11°40 | 13° 0 | 24°28 | 9°31 | 10°54 | 8°40 | 15°54 | S 11 |
| S 12 | 23 44 26 | 24° 8'40 | 2♊32 | 20°57 | 8°50 | 9°39 | 19°56 | 18°58 | 11°43 | 13° 2 | 24°29 | 9°32 | 10°51 | 8°46 | 15°53 | S 12 |
| M13 | 23 48 23 | 25° 7'48 | 15° 4 | 22°44 | 9°54 | 10°12 | 20° 2 | 19° 5 | 11°46 | 13° 4 | 24°30 | 9°33 | 10°48 | 8°53 | 15°51 | M13 |
| T 14 | 23 52 19 | 26° 6'59 | 27°18 | 24°30 | 10°59 | 10°45 | 20° 8 | 19°12 | 11°49 | 13° 6 | 24°31 | 9°R34 | 10°45 | 9° 0 | 15°49 | T 14 |
| W15 | 23 56 16 | 27° 6'13 | 9♋20 | 26°16 | 12° 4 | 11°17 | 20°15 | 19°18 | 11°52 | 13° 9 | 24°32 | 9°33 | 10°42 | 9° 6 | 15°47 | W15 |
| T 16 | 0 0 13 | 28° 5'29 | 21°15 | 28° 1 | 13° 9 | 11°50 | 20°21 | 19°25 | 11°55 | 13°11 | 24°33 | 9°30 | 10°39 | 9°13 | 15°46 | T 16 |
| F 17 | 0 4 9 | 29° 4'47 | 3♌ 6 | 29°45 | 14°15 | 12°22 | 20°28 | 19°32 | 11°58 | 13°13 | 24°34 | 9°25 | 10°35 | 9°20 | 15°44 | F 17 |
| S 18 | 0 8 6 | 0♎ 4'07 | 14°59 | 1♎28 | 15°20 | 12°55 | 20°34 | 19°39 | 12° 1 | 13°15 | 24°35 | 9°19 | 10°32 | 9°27 | 15°42 | S 18 |
| S 19 | 0 12 2 | 1° 3'30 | 26°56 | 3°11 | 16°26 | 13°27 | 20°41 | 19°46 | 12° 3 | 13°17 | 24°36 | 9°13 | 10°29 | 9°33 | 15°40 | S 19 |
| M20 | 0 15 59 | 2° 2'55 | 9♍ 0 | 4°53 | 17°33 | 13°58 | 20°48 | 19°53 | 12° 6 | 13°19 | 24°36 | 9° 5 | 10°26 | 9°40 | 15°38 | M20 |
| T 21 | 0 19 55 | 3° 2'22 | 21°12 | 6°34 | 18°39 | 14°30 | 20°56 | 20° 0 | 12° 9 | 13°21 | 24°37 | 8°59 | 10°23 | 9°47 | 15°36 | T 21 |
| W22 | 0 23 52 | 4° 1'51 | 3♎35 | 8°15 | 19°46 | 15° 2 | 21° 3 | 20° 7 | 12°11 | 13°24 | 24°38 | 8°53 | 10°20 | 9°54 | 15°34 | W22 |
| T 23 | 0 27 48 | 5° 1'22 | 16° 8 | 9°54 | 20°53 | 15°33 | 21°11 | 20°14 | 12°14 | 13°26 | 24°39 | 8°49 | 10°16 | 10° 0 | 15°32 | T 23 |
| F 24 | 0 31 45 | 6° 0'55 | 28°53 | 11°34 | 22° 0 | 16° 4 | 21°18 | 20°21 | 12°17 | 13°28 | 24°39 | 8°47 | 10°13 | 10° 7 | 15°29 | F 24 |
| S 25 | 0 35 41 | 7° 0'31 | 11♏50 | 13°12 | 23° 7 | 16°35 | 21°26 | 20°28 | 12°19 | 13°30 | 24°40 | 8°D47 | 10°10 | 10°14 | 15°27 | S 25 |
| S 26 | 0 39 38 | 8° 0'08 | 24°59 | 14°50 | 24°15 | 17° 5 | 21°34 | 20°35 | 12°22 | 13°32 | 24°41 | 8°48 | 10° 7 | 10°20 | 15°25 | S 26 |
| M27 | 0 43 35 | 8°59'47 | 8♐21 | 16°27 | 25°23 | 17°36 | 21°42 | 20°42 | 12°24 | 13°34 | 24°41 | 8°49 | 10° 4 | 10°27 | 15°23 | M27 |
| T 28 | 0 47 31 | 9°59'28 | 21°56 | 18° 3 | 26°31 | 18° 6 | 21°50 | 20°49 | 12°26 | 13°36 | 24°42 | 8°51 | 10° 0 | 10°34 | 15°20 | T 28 |
| W29 | 0 51 28 | 10°59'11 | 5♑46 | 19°39 | 27°39 | 18°36 | 21°59 | 20°57 | 12°29 | 13°38 | 24°43 | 8°R52 | 9°57 | 10°41 | 15°18 | W29 |
| T 30 | 0 55 24 | 11♎58'56 | 19♑51 | 21♎14 | 28♌47 | 19♋ 6 | 22♐ 7 | 21♎ 4 | 12♌31 | 13♍40 | 24♋43 | 8♏52 | 9♏54 | 10♌47 | 15♉15 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n35 | 19s53 | 3n37 | 12n51 | 1n47 | 18n53 | 1s58 | 23n58 | 0n27 | 23s 7 | 0s 0 | 4s52 | 2n19 | 18n 9 | 0n39 | 7n59 | 1n13 | 26n21 | 5n 4 | 14s59 | 15s21 | 13n31 | 15n40 | 1s 8 |
| T 2 | 6 12 | 18 51 | 4 23 | 12 14 | 1 49 | 18 46 | 1 52 | 23 58 | 0 28 | 23 8 | 0 1 | 4 55 | 2 19 | 18 8 | 0 39 | 7 58 | 1 13 | 26 21 | 5 4 | 14 59 | 15 20 | 13 30 | 15 40 | 1 8 |
| F 3 | 5 49 | 16 36 | 4 54 | 11 36 | 1 51 | 18 39 | 1 46 | 23 58 | 0 29 | 23 8 | 0 1 | 4 57 | 2 19 | 18 7 | 0 39 | 7 57 | 1 13 | 26 21 | 5 4 | 14 57 | 15 19 | 13 28 | 15 39 | 1 8 |
| S 4 | 5 27 | 13 14 | 5 6 | 10 56 | 1 51 | 18 32 | 1 41 | 23 58 | 0 30 | 23 9 | 0 1 | 5 0 | 2 19 | 18 6 | 0 39 | 7 56 | 1 13 | 26 21 | 5 4 | 14 55 | 15 18 | 13 26 | 15 39 | 1 8 |
| S 5 | 5 4 | 8 58 | 4 57 | 10 15 | 1 51 | 18 24 | 1 35 | 23 58 | 0 31 | 23 9 | 0 1 | 5 2 | 2 19 | 18 5 | 0 39 | 7 55 | 1 13 | 26 21 | 5 4 | 14 52 | 15 17 | 13 24 | 15 38 | 1 8 |
| M 6 | 4 40 | 4 9 | 4 28 | 9 33 | 1 50 | 18 15 | 1 30 | 23 58 | 0 32 | 23 10 | 0 1 | 5 5 | 2 18 | 18 4 | 0 39 | 7 55 | 1 13 | 26 21 | 5 4 | 14 50 | 15 16 | 13 23 | 15 38 | 1 9 |
| T 7 | 4 17 | 0n53 | 3 41 | 8 49 | 1 49 | 18 6 | 1 24 | 23 57 | 0 33 | 23 10 | 0 1 | 5 8 | 2 18 | 18 3 | 0 39 | 7 54 | 1 13 | 26 21 | 5 5 | 14 48 | 15 15 | 13 21 | 15 37 | 1 9 |
| W 8 | 3 54 | 5 46 | 2 40 | 8 5 | 1 47 | 17 57 | 1 19 | 23 56 | 0 34 | 23 11 | 0 1 | 5 10 | 2 18 | 18 3 | 0 39 | 7 53 | 1 13 | 26 21 | 5 5 | 14 46 | 15 14 | 13 19 | 15 37 | 1 9 |
| T 9 | 3 31 | 10 13 | 1 30 | 7 20 | 1 45 | 17 47 | 1 13 | 23 55 | 0 36 | 23 11 | 0 1 | 5 13 | 2 18 | 18 2 | 0 39 | 7 52 | 1 13 | 26 21 | 5 5 | 14 45 | 15 13 | 13 17 | 15 36 | 1 9 |
| F 10 | 3 7 | 13 58 | 0 17 | 6 35 | 1 41 | 17 36 | 1 8 | 23 55 | 0 37 | 23 12 | 0 2 | 5 15 | 2 18 | 18 1 | 0 39 | 7 51 | 1 13 | 26 21 | 5 5 | 14 44 | 15 12 | 13 16 | 15 36 | 1 9 |
| S 11 | 2 44 | 16 52 | 0s55 | 5 49 | 1 38 | 17 25 | 1 2 | 23 53 | 0 38 | 23 13 | 0 2 | 5 18 | 2 18 | 18 0 | 0 39 | 7 50 | 1 13 | 26 21 | 5 5 | 14 44 | 15 11 | 13 14 | 15 35 | 1 9 |
| S 12 | 2 20 | 18 48 | 2 1 | 5 3 | 1 34 | 17 14 | 0 57 | 23 52 | 0 39 | 23 13 | 0 2 | 5 21 | 2 18 | 17 59 | 0 39 | 7 50 | 1 13 | 26 21 | 5 6 | 14 45 | 15 10 | 13 12 | 15 34 | 1 10 |
| M13 | 1 57 | 19 45 | 3 0 | 4 16 | 1 30 | 17 2 | 0 52 | 23 51 | 0 40 | 23 14 | 0 2 | 5 23 | 2 18 | 17 59 | 0 39 | 7 49 | 1 13 | 26 21 | 5 6 | 14 45 | 15 9 | 13 10 | 15 34 | 1 10 |
| T 14 | 1 33 | 19 43 | 3 50 | 3 30 | 1 25 | 16 49 | 0 47 | 23 50 | 0 42 | 23 14 | 0 2 | 5 26 | 2 18 | 17 58 | 0 39 | 7 48 | 1 13 | 26 21 | 5 6 | 14 45 | 15 8 | 13 9 | 15 33 | 1 10 |
| W15 | 1 9 | 18 47 | 4 28 | 2 43 | 1 20 | 16 36 | 0 42 | 23 48 | 0 43 | 23 15 | 0 2 | 5 29 | 2 18 | 17 57 | 0 39 | 7 47 | 1 13 | 26 21 | 5 6 | 14 45 | 15 7 | 13 7 | 15 33 | 1 10 |
| T 16 | 0 46 | 17 2 | 4 54 | 1 57 | 1 15 | 16 23 | 0 37 | 23 46 | 0 44 | 23 15 | 0 2 | 5 31 | 2 17 | 17 56 | 0 39 | 7 46 | 1 13 | 26 21 | 5 6 | 14 44 | 15 6 | 13 5 | 15 32 | 1 10 |
| F 17 | 0 22 | 14 35 | 5 8 | 1 10 | 1 10 | 16 9 | 0 32 | 23 45 | 0 45 | 23 16 | 0 2 | 5 34 | 2 17 | 17 55 | 0 39 | 7 45 | 1 13 | 26 21 | 5 7 | 14 43 | 15 5 | 13 3 | 15 31 | 1 10 |
| S 18 | 0s 2 | 11 31 | 5 8 | 0 23 | 1 4 | 15 54 | 0 27 | 23 43 | 0 47 | 23 17 | 0 2 | 5 37 | 2 17 | 17 55 | 0 39 | 7 45 | 1 13 | 26 21 | 5 7 | 14 41 | 15 4 | 13 2 | 15 30 | 1 10 |
| S 19 | 0 25 | 7 59 | 4 55 | 0s23 | 0 58 | 15 39 | 0 22 | 23 41 | 0 48 | 23 17 | 0 3 | 5 39 | 2 17 | 17 54 | 0 39 | 7 44 | 1 13 | 26 21 | 5 7 | 14 39 | 15 3 | 13 0 | 15 30 | 1 11 |
| M20 | 0 49 | 4 5 | 4 29 | 1 9 | 0 52 | 15 24 | 0 17 | 23 39 | 0 49 | 23 18 | 0 3 | 5 42 | 2 17 | 17 53 | 0 39 | 7 43 | 1 13 | 26 21 | 5 7 | 14 36 | 15 2 | 12 58 | 15 29 | 1 11 |
| T 21 | 1 13 | 0s 1 | 3 50 | 1 55 | 0 46 | 15 8 | 0 12 | 23 37 | 0 50 | 23 18 | 0 3 | 5 45 | 2 17 | 17 52 | 0 39 | 7 42 | 1 13 | 26 21 | 5 7 | 14 34 | 15 1 | 12 56 | 15 28 | 1 11 |
| W22 | 1 37 | 4 11 | 3 0 | 2 41 | 0 40 | 14 51 | 0 8 | 23 35 | 0 52 | 23 19 | 0 3 | 5 47 | 2 17 | 17 52 | 0 39 | 7 41 | 1 13 | 26 21 | 5 8 | 14 32 | 15 0 | 12 55 | 15 28 | 1 11 |
| T 23 | 2 0 | 8 14 | 2 0 | 3 26 | 0 33 | 14 34 | 0 3 | 23 32 | 0 53 | 23 20 | 0 3 | 5 50 | 2 17 | 17 51 | 0 39 | 7 41 | 1 13 | 26 21 | 5 8 | 14 31 | 14 59 | 12 53 | 15 27 | 1 11 |
| F 24 | 2 24 | 11 59 | 0 54 | 4 11 | 0 27 | 14 17 | 0n 2 | 23 30 | 0 54 | 23 20 | 0 3 | 5 53 | 2 17 | 17 50 | 0 39 | 7 40 | 1 13 | 26 22 | 5 8 | 14 31 | 14 58 | 12 51 | 15 26 | 1 11 |
| S 25 | 2 48 | 15 12 | 0n17 | 4 56 | 0 20 | 13 59 | 0 6 | 23 27 | 0 56 | 23 21 | 0 3 | 5 56 | 2 17 | 17 50 | 0 39 | 7 39 | 1 13 | 26 22 | 5 8 | 14 30 | 14 57 | 12 49 | 15 25 | 1 11 |
| S 26 | 3 11 | 17 42 | 1 28 | 5 40 | 0 14 | 13 41 | 0 10 | 23 25 | 0 57 | 23 21 | 0 3 | 5 58 | 2 17 | 17 49 | 0 39 | 7 38 | 1 13 | 26 22 | 5 8 | 14 31 | 14 56 | 12 47 | 15 24 | 1 12 |
| M27 | 3 35 | 19 16 | 2 35 | 6 24 | 0 7 | 13 22 | 0 15 | 23 22 | 0 58 | 23 22 | 0 3 | 6 1 | 2 17 | 17 48 | 0 39 | 7 37 | 1 13 | 26 22 | 5 9 | 14 31 | 14 55 | 12 46 | 15 24 | 1 12 |
| T 28 | 3 59 | 19 45 | 3 35 | 7 7 | 0 0 | 13 3 | 0 19 | 23 20 | 1 0 | 23 23 | 0 4 | 6 4 | 2 17 | 17 48 | 0 39 | 7 37 | 1 13 | 26 22 | 5 9 | 14 32 | 14 54 | 12 44 | 15 23 | 1 12 |
| W29 | 4 22 | 19 4 | 4 23 | 7 50 | 0s 7 | 12 43 | 0 23 | 23 17 | 1 1 | 23 23 | 0 4 | 6 6 | 2 17 | 17 47 | 0 39 | 7 36 | 1 14 | 26 22 | 5 9 | 14 32 | 14 53 | 12 42 | 15 22 | 1 12 |
| T 30 | 4s46 | 17s12 | 4n57 | 8s32 | 0s13 | 12n23 | 0n27 | 23n14 | 1n 2 | 23s24 | 0s 4 | 6s 9 | 2n17 | 17n46 | 0n39 | 7n35 | 1n14 | 26n22 | 5n 9 | 14s32 | 14s52 | 12n40 | 15n21 | 1s12 |

Julian Day Number = 2069019.5, Delta T = 28m36s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'40, Lahiri = 9°15'40 Julian Calendar 1 Sept. 952 == Greg. Calendar 6 Sept. 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## OCTOBER 952 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 59 21 | 12♎58'42 | 4♒ 8 | 22♎48 | 29♌56 | 19♋36 | 22♐16 | 21♎11 | 12♌33 | 13♍42 | 24♋44 | 8°R50 | 9♏51 | 10♌54 | 15°R13 | F 1 |
| S 2 | 1 3 17 | 13°58'30 | 18°36 | 24°22 | 1♍ 4 | 20° 5 | 22°25 | 21°18 | 12°36 | 13°44 | 24°44 | 8♏48 | 9°48 | 11° 1 | 15♉10 | S 2 |
| S 3 | 1 7 14 | 14°58'19 | 3♓10 | 25°56 | 2°13 | 20°34 | 22°34 | 21°25 | 12°38 | 13°46 | 24°45 | 8°45 | 9°45 | 11° 7 | 15° 8 | S 3 |
| M 4 | 1 11 10 | 15°58'11 | 17°45 | 27°29 | 3°22 | 21° 3 | 22°43 | 21°32 | 12°40 | 13°48 | 24°45 | 8°41 | 9°41 | 11°14 | 15° 5 | M 4 |
| T 5 | 1 15 7 | 16°58'04 | 2♈14 | 29° 1 | 4°31 | 21°32 | 22°52 | 21°40 | 12°42 | 13°50 | 24°46 | 8°39 | 9°38 | 11°21 | 15° 2 | T 5 |
| W 6 | 1 19 4 | 17°57'59 | 16°31 | 0♏33 | 5°41 | 22° 0 | 23° 1 | 21°47 | 12°44 | 13°52 | 24°46 | 8°36 | 9°35 | 11°28 | 15° 0 | W 6 |
| T 7 | 1 23 0 | 18°57'56 | 0♉31 | 2° 4 | 6°50 | 22°28 | 23°10 | 21°54 | 12°46 | 13°54 | 24°47 | 8°35 | 9°32 | 11°34 | 14°57 | T 7 |
| F 8 | 1 26 57 | 19°57'55 | 14°11 | 3°35 | 8° 0 | 22°56 | 23°20 | 22° 1 | 12°48 | 13°56 | 24°47 | 8°D35 | 9°29 | 11°41 | 14°54 | F 8 |
| S 9 | 1 30 53 | 20°57'56 | 27°28 | 5° 5 | 9°10 | 23°24 | 23°29 | 22° 8 | 12°50 | 13°58 | 24°47 | 8°36 | 9°25 | 11°48 | 14°51 | S 9 |
| S 10 | 1 34 50 | 21°58'00 | 10♊23 | 6°35 | 10°20 | 23°51 | 23°39 | 22°16 | 12°52 | 14° 0 | 24°48 | 8°37 | 9°22 | 11°55 | 14°48 | S 10 |
| M11 | 1 38 46 | 22°58'05 | 22°58 | 8° 4 | 11°30 | 24°18 | 23°49 | 22°23 | 12°54 | 14° 1 | 24°48 | 8°39 | 9°19 | 12° 1 | 14°46 | M11 |
| T 12 | 1 42 43 | 23°58'13 | 5♋15 | 9°33 | 12°41 | 24°45 | 23°59 | 22°30 | 12°56 | 14° 3 | 24°48 | 8°40 | 9°16 | 12° 8 | 14°43 | T 12 |
| W13 | 1 46 39 | 24°58'23 | 17°20 | 11° 1 | 13°51 | 25°12 | 24° 9 | 22°37 | 12°57 | 14° 5 | 24°48 | 8°41 | 9°13 | 12°15 | 14°40 | W13 |
| T 14 | 1 50 36 | 25°58'35 | 29°16 | 12°29 | 15° 2 | 25°38 | 24°19 | 22°44 | 12°59 | 14° 7 | 24°49 | 8°R41 | 9°10 | 12°21 | 14°37 | T 14 |
| F 15 | 1 54 33 | 26°58'49 | 11♌ 9 | 13°56 | 16°12 | 26° 4 | 24°30 | 22°52 | 13° 1 | 14° 9 | 24°49 | 8°40 | 9° 6 | 12°28 | 14°34 | F 15 |
| S 16 | 1 58 29 | 27°59'05 | 23° 3 | 15°22 | 17°23 | 26°30 | 24°40 | 22°59 | 13° 2 | 14°10 | 24°49 | 8°39 | 9° 3 | 12°35 | 14°31 | S 16 |
| S 17 | 2 2 26 | 28°59'23 | 5♍ 1 | 16°48 | 18°34 | 26°55 | 24°50 | 23° 6 | 13° 4 | 14°12 | 24°49 | 8°38 | 9° 0 | 12°42 | 14°28 | S 17 |
| M18 | 2 6 22 | 29°59'43 | 17° 9 | 18°13 | 19°46 | 27°21 | 25° 1 | 23°13 | 13° 5 | 14°14 | 24°49 | 8°37 | 8°57 | 12°48 | 14°25 | M18 |
| T 19 | 2 10 19 | 1♏ 0'05 | 29°29 | 19°38 | 20°57 | 27°45 | 25°12 | 23°20 | 13° 7 | 14°15 | 24°49 | 8°35 | 8°54 | 12°55 | 14°22 | T 19 |
| W20 | 2 14 15 | 2° 0'29 | 12♎ 3 | 21° 2 | 22° 8 | 28°10 | 25°23 | 23°27 | 13° 8 | 14°17 | 24°49 | 8°35 | 8°51 | 13° 2 | 14°19 | W20 |
| T 21 | 2 18 12 | 3° 0'55 | 24°53 | 22°24 | 23°20 | 28°34 | 25°33 | 23°35 | 13° 9 | 14°19 | 24°R49 | 8°34 | 8°47 | 13° 8 | 14°16 | T 21 |
| F 22 | 2 22 8 | 4° 1'22 | 7♏59 | 23°46 | 24°31 | 28°58 | 25°44 | 23°42 | 13°10 | 14°20 | 24°49 | 8°D34 | 8°44 | 13°15 | 14°12 | F 22 |
| S 23 | 2 26 5 | 5° 1'51 | 21°20 | 25° 7 | 25°43 | 29°21 | 25°56 | 23°49 | 13°12 | 14°22 | 24°49 | 8°34 | 8°41 | 13°22 | 14° 9 | S 23 |
| S 24 | 2 30 1 | 6° 2'22 | 4♐54 | 26°27 | 26°55 | 29°44 | 26° 7 | 23°56 | 13°13 | 14°23 | 24°49 | 8°34 | 8°38 | 13°29 | 14° 6 | S 24 |
| M25 | 2 33 58 | 7° 2'55 | 18°41 | 27°46 | 28° 7 | 0♌ 7 | 26°18 | 24° 3 | 13°14 | 14°25 | 24°49 | 8°35 | 8°35 | 13°35 | 14° 3 | M25 |
| T 26 | 2 37 55 | 8° 3'28 | 2♑37 | 29° 3 | 29°19 | 0°29 | 26°29 | 24°10 | 13°15 | 14°26 | 24°49 | 8°35 | 8°31 | 13°42 | 14° 0 | T 26 |
| W27 | 2 41 51 | 9° 4'04 | 16°41 | 0♐18 | 0♎31 | 0°52 | 26°41 | 24°17 | 13°16 | 14°28 | 24°49 | 8°R35 | 8°28 | 13°49 | 13°57 | W27 |
| T 28 | 2 45 48 | 10° 4'40 | 0♒50 | 1°32 | 1°43 | 1°13 | 26°52 | 24°24 | 13°17 | 14°29 | 24°49 | 8°35 | 8°25 | 13°56 | 13°54 | T 28 |
| F 29 | 2 49 44 | 11° 5'18 | 15° 2 | 2°43 | 2°56 | 1°34 | 27° 4 | 24°31 | 13°18 | 14°31 | 24°48 | 8°D35 | 8°22 | 14° 2 | 13°50 | F 29 |
| S 30 | 2 53 41 | 12° 5'56 | 29°14 | 3°53 | 4° 8 | 1°55 | 27°16 | 24°38 | 13°19 | 14°32 | 24°48 | 8°35 | 8°19 | 14° 9 | 13°47 | S 30 |
| S 31 | 2 57 37 | 13♏ 6'36 | 13♓24 | 4♐59 | 5♎20 | 2♌16 | 27♐28 | 24♎45 | 13♌19 | 14♍34 | 24♋48 | 8♏35 | 8♏16 | 14♌16 | 13♉44 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s 9 | 14s16 | 5n13 | 9s14 | 0s20 | 12n 3 | 0n31 | 23n11 | 1n 4 | 23s25 | 0s 4 | 6s12 | 2n17 | 17n46 | 0n39 | 7n34 | 1n14 | 26n22 | 5n 9 | 14s32 | 14s51 | 12n39 | 15n20 | 1s12 |
| S 2 | 5 33 | 10 26 | 5 9 | 9 55 | 0 27 | 11 42 | 0 35 | 23 8 | 1 5 | 23 25 | 0 4 | 6 15 | 2 17 | 17 45 | 0 39 | 7 34 | 1 14 | 26 22 | 5 10 | 14 31 | 14 50 | 12 37 | 15 19 | 1 12 |
| S 3 | 5 56 | 5 57 | 4 46 | 10 36 | 0 34 | 11 21 | 0 39 | 23 5 | 1 7 | 23 26 | 0 4 | 6 17 | 2 17 | 17 45 | 0 40 | 7 33 | 1 14 | 26 22 | 5 10 | 14 30 | 14 49 | 12 35 | 15 18 | 1 13 |
| M 4 | 6 19 | 1 7 | 4 4 | 11 16 | 0 41 | 10 59 | 0 43 | 23 2 | 1 8 | 23 26 | 0 4 | 6 20 | 2 16 | 17 44 | 0 40 | 7 32 | 1 14 | 26 22 | 5 10 | 14 29 | 14 48 | 12 33 | 15 18 | 1 13 |
| T 5 | 6 42 | 3n45 | 3 7 | 11 55 | 0 47 | 10 37 | 0 46 | 22 59 | 1 9 | 23 27 | 0 4 | 6 23 | 2 16 | 17 43 | 0 40 | 7 32 | 1 14 | 26 23 | 5 10 | 14 28 | 14 47 | 12 31 | 15 17 | 1 13 |
| W 6 | 7 5 | 8 21 | 1 59 | 12 34 | 0 54 | 10 15 | 0 50 | 22 56 | 1 11 | 23 28 | 0 4 | 6 25 | 2 16 | 17 43 | 0 40 | 7 31 | 1 14 | 26 23 | 5 10 | 14 27 | 14 46 | 12 30 | 15 16 | 1 13 |
| T 7 | 7 28 | 12 25 | 0 44 | 13 12 | 1 0 | 9 53 | 0 53 | 22 53 | 1 12 | 23 28 | 0 4 | 6 28 | 2 16 | 17 42 | 0 40 | 7 30 | 1 14 | 26 23 | 5 11 | 14 27 | 14 45 | 12 28 | 15 15 | 1 13 |
| F 8 | 7 51 | 15 41 | 0s31 | 13 50 | 1 7 | 9 30 | 0 57 | 22 50 | 1 14 | 23 29 | 0 5 | 6 31 | 2 16 | 17 42 | 0 40 | 7 29 | 1 14 | 26 23 | 5 11 | 14 27 | 14 44 | 12 26 | 15 14 | 1 13 |
| S 9 | 8 14 | 18 2 | 1 42 | 14 26 | 1 13 | 9 6 | 1 0 | 22 46 | 1 15 | 23 29 | 0 5 | 6 34 | 2 16 | 17 41 | 0 40 | 7 29 | 1 14 | 26 23 | 5 11 | 14 27 | 14 43 | 12 24 | 15 13 | 1 13 |
| S 10 | 8 36 | 19 23 | 2 47 | 15 2 | 1 19 | 8 43 | 1 3 | 22 43 | 1 17 | 23 30 | 0 5 | 6 36 | 2 16 | 17 41 | 0 40 | 7 28 | 1 14 | 26 23 | 5 11 | 14 27 | 14 42 | 12 22 | 15 12 | 1 13 |
| M11 | 8 59 | 19 42 | 3 41 | 15 37 | 1 26 | 8 19 | 1 6 | 22 40 | 1 18 | 23 30 | 0 5 | 6 39 | 2 16 | 17 40 | 0 40 | 7 27 | 1 14 | 26 23 | 5 11 | 14 28 | 14 41 | 12 21 | 15 11 | 1 14 |
| T 12 | 9 21 | 19 4 | 4 24 | 16 12 | 1 32 | 7 55 | 1 9 | 22 36 | 1 20 | 23 31 | 0 5 | 6 42 | 2 16 | 17 40 | 0 40 | 7 27 | 1 14 | 26 24 | 5 12 | 14 28 | 14 40 | 12 19 | 15 10 | 1 14 |
| W13 | 9 43 | 17 34 | 4 55 | 16 45 | 1 37 | 7 30 | 1 12 | 22 33 | 1 22 | 23 32 | 0 5 | 6 44 | 2 16 | 17 39 | 0 40 | 7 26 | 1 14 | 26 24 | 5 12 | 14 28 | 14 39 | 12 17 | 15 9 | 1 14 |
| T 14 | 10 5 | 15 19 | 5 12 | 17 18 | 1 43 | 7 5 | 1 15 | 22 30 | 1 23 | 23 32 | 0 5 | 6 47 | 2 16 | 17 39 | 0 40 | 7 25 | 1 14 | 26 24 | 5 12 | 14 28 | 14 38 | 12 15 | 15 8 | 1 14 |
| F 15 | 10 27 | 12 27 | 5 16 | 17 50 | 1 48 | 6 40 | 1 18 | 22 26 | 1 25 | 23 33 | 0 5 | 6 50 | 2 16 | 17 39 | 0 40 | 7 25 | 1 14 | 26 24 | 5 12 | 14 28 | 14 37 | 12 13 | 15 7 | 1 14 |
| S 16 | 10 49 | 9 5 | 5 7 | 18 21 | 1 54 | 6 15 | 1 21 | 22 23 | 1 26 | 23 33 | 0 5 | 6 52 | 2 16 | 17 38 | 0 40 | 7 24 | 1 14 | 26 24 | 5 13 | 14 28 | 14 36 | 12 12 | 15 6 | 1 14 |
| S 17 | 11 11 | 5 19 | 4 44 | 18 51 | 1 59 | 5 49 | 1 23 | 22 20 | 1 28 | 23 34 | 0 5 | 6 55 | 2 16 | 17 38 | 0 40 | 7 23 | 1 14 | 26 24 | 5 13 | 14 28 | 14 35 | 12 10 | 15 5 | 1 14 |
| M18 | 11 32 | 1 18 | 4 8 | 19 20 | 2 4 | 5 23 | 1 26 | 22 16 | 1 30 | 23 34 | 0 6 | 6 58 | 2 16 | 17 37 | 0 40 | 7 23 | 1 14 | 26 25 | 5 13 | 14 27 | 14 34 | 12 8 | 15 4 | 1 14 |
| T 19 | 11 53 | 2s51 | 3 20 | 19 48 | 2 8 | 4 57 | 1 28 | 22 13 | 1 31 | 23 35 | 0 6 | 7 0 | 2 16 | 17 37 | 0 40 | 7 22 | 1 14 | 26 25 | 5 13 | 14 27 | 14 33 | 12 6 | 15 3 | 1 15 |
| W20 | 12 14 | 6 58 | 2 22 | 20 15 | 2 13 | 4 31 | 1 30 | 22 10 | 1 33 | 23 35 | 0 6 | 7 3 | 2 16 | 17 37 | 0 40 | 7 22 | 1 14 | 26 25 | 5 13 | 14 26 | 14 32 | 12 4 | 15 2 | 1 15 |
| T 21 | 12 35 | 10 51 | 1 15 | 20 41 | 2 17 | 4 5 | 1 33 | 22 7 | 1 35 | 23 36 | 0 6 | 7 5 | 2 16 | 17 36 | 0 40 | 7 21 | 1 14 | 26 25 | 5 14 | 14 26 | 14 31 | 12 3 | 15 1 | 1 15 |
| F 22 | 12 56 | 14 18 | 0 3 | 21 5 | 2 20 | 3 38 | 1 35 | 22 3 | 1 37 | 23 36 | 0 6 | 7 8 | 2 17 | 17 36 | 0 40 | 7 20 | 1 14 | 26 25 | 5 14 | 14 26 | 14 30 | 12 1 | 15 0 | 1 15 |
| S 23 | 13 16 | 17 4 | 1n10 | 21 29 | 2 24 | 3 11 | 1 37 | 22 0 | 1 38 | 23 37 | 0 6 | 7 11 | 2 17 | 17 36 | 0 40 | 7 20 | 1 14 | 26 26 | 5 14 | 14 26 | 14 28 | 11 59 | 14 59 | 1 15 |
| S 24 | 13 37 | 18 55 | 2 21 | 21 51 | 2 27 | 2 44 | 1 38 | 21 57 | 1 40 | 23 37 | 0 6 | 7 13 | 2 17 | 17 35 | 0 40 | 7 19 | 1 14 | 26 26 | 5 14 | 14 26 | 14 27 | 11 57 | 14 58 | 1 15 |
| M25 | 13 57 | 19 41 | 3 25 | 22 12 | 2 29 | 2 17 | 1 40 | 21 54 | 1 42 | 23 37 | 0 6 | 7 16 | 2 17 | 17 35 | 0 40 | 7 19 | 1 14 | 26 26 | 5 14 | 14 26 | 14 26 | 11 55 | 14 57 | 1 15 |
| T 26 | 14 16 | 19 16 | 4 17 | 22 31 | 2 32 | 1 50 | 1 42 | 21 51 | 1 44 | 23 38 | 0 6 | 7 18 | 2 17 | 17 35 | 0 40 | 7 18 | 1 14 | 26 26 | 5 15 | 14 26 | 14 25 | 11 54 | 14 56 | 1 15 |
| W27 | 14 36 | 17 39 | 4 54 | 22 50 | 2 33 | 1 22 | 1 44 | 21 48 | 1 45 | 23 38 | 0 6 | 7 21 | 2 17 | 17 35 | 0 40 | 7 18 | 1 14 | 26 27 | 5 15 | 14 26 | 14 24 | 11 52 | 14 55 | 1 15 |
| T 28 | 14 55 | 14 58 | 5 14 | 23 6 | 2 35 | 0 55 | 1 45 | 21 45 | 1 47 | 23 39 | 0 6 | 7 23 | 2 17 | 17 34 | 0 41 | 7 17 | 1 15 | 26 27 | 5 15 | 14 26 | 14 23 | 11 50 | 14 54 | 1 15 |
| F 29 | 15 14 | 11 24 | 5 15 | 23 21 | 2 35 | 0 27 | 1 46 | 21 42 | 1 49 | 23 39 | 0 7 | 7 26 | 2 17 | 17 34 | 0 41 | 7 17 | 1 15 | 26 27 | 5 15 | 14 26 | 14 22 | 11 48 | 14 53 | 1 16 |
| S 30 | 15 33 | 7 10 | 4 57 | 23 35 | 2 35 | 0s 0 | 1 48 | 21 39 | 1 51 | 23 39 | 0 7 | 7 29 | 2 17 | 17 34 | 0 41 | 7 16 | 1 15 | 26 27 | 5 16 | 14 26 | 14 21 | 11 46 | 14 52 | 1 16 |
| S 31 | 15s52 | 2s33 | 4n21 | 23s47 | 2s35 | 0s28 | 1n49 | 21n36 | 1n53 | 23s40 | 0s 7 | 7s31 | 2n17 | 17n34 | 0n41 | 7n16 | 1n15 | 26n28 | 5n16 | 14s27 | 14s20 | 11n45 | 14n51 | 1s16 |

Julian Day Number = 2069049.5, Delta T = 28m36s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'44, Lahiri = 9°15'44 Julian Calendar 1 Oct. 952 == Greg. Calendar 6 Oct. 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## NOVEMBER 952 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 1 34 | 14♏ 7'17 | 27♓30 | 6♐ 3 | 6♎33 | 2♌36 | 27♐40 | 24♎52 | 13♌20 | 14♍35 | 24°R48 | 8♏36 | 8♏12 | 14♌22 | 13°R41 | M 1 |
| T 2 | 3 5 30 | 15° 7'59 | 11♈29 | 7° 3 | 7°46 | 2°55 | 27°52 | 24°59 | 13°21 | 14°36 | 24♋47 | 8°36 | 8° 9 | 14°29 | 13♉38 | T 2 |
| W 3 | 3 9 27 | 16° 8'43 | 25°18 | 8° 0 | 8°58 | 3°15 | 28° 4 | 25° 6 | 13°21 | 14°37 | 24°47 | 8°37 | 8° 6 | 14°36 | 13°34 | W 3 |
| T 4 | 3 13 24 | 17° 9'28 | 8♉55 | 8°52 | 10°11 | 3°33 | 28°16 | 25°13 | 13°22 | 14°39 | 24°47 | 8°R37 | 8° 3 | 14°43 | 13°31 | T 4 |
| F 5 | 3 17 20 | 18°10'14 | 22°17 | 9°39 | 11°24 | 3°52 | 28°28 | 25°20 | 13°22 | 14°40 | 24°46 | 8°37 | 8° 0 | 14°49 | 13°28 | F 5 |
| S 6 | 3 21 17 | 19°11'01 | 5♊22 | 10°20 | 12°37 | 4° 9 | 28°40 | 25°26 | 13°23 | 14°41 | 24°46 | 8°36 | 7°57 | 14°56 | 13°25 | S 6 |
| S 7 | 3 25 13 | 20°11'50 | 18°11 | 10°55 | 13°50 | 4°27 | 28°52 | 25°33 | 13°23 | 14°42 | 24°45 | 8°34 | 7°53 | 15° 3 | 13°22 | S 7 |
| M 8 | 3 29 10 | 21°12'40 | 0♋44 | 11°23 | 15° 3 | 4°44 | 29° 5 | 25°40 | 13°24 | 14°43 | 24°45 | 8°33 | 7°50 | 15°10 | 13°19 | M 8 |
| T 9 | 3 33 6 | 22°13'32 | 13° 2 | 11°43 | 16°16 | 5° 0 | 29°17 | 25°47 | 13°24 | 14°45 | 24°45 | 8°30 | 7°47 | 15°16 | 13°15 | T 9 |
| W10 | 3 37 3 | 23°14'25 | 25° 7 | 11°55 | 17°30 | 5°16 | 29°30 | 25°53 | 13°24 | 14°46 | 24°44 | 8°29 | 7°44 | 15°23 | 13°12 | W10 |
| T 11 | 3 40 59 | 24°15'19 | 7♌ 4 | 11°R56 | 18°43 | 5°32 | 29°42 | 26° 0 | 13°24 | 14°47 | 24°43 | 8°27 | 7°41 | 15°30 | 13° 9 | T 11 |
| F 12 | 3 44 56 | 25°16'15 | 18°57 | 11°48 | 19°57 | 5°46 | 29°55 | 26° 7 | 13°24 | 14°48 | 24°43 | 8°26 | 7°37 | 15°36 | 13° 6 | F 12 |
| S 13 | 3 48 53 | 26°17'12 | 0♍50 | 11°29 | 21°10 | 6° 1 | 0♏ 8 | 26°13 | 13°R24 | 14°49 | 24°42 | 8°D26 | 7°34 | 15°43 | 13° 3 | S 13 |
| S 14 | 3 52 49 | 27°18'10 | 12°48 | 10°58 | 22°24 | 6°15 | 0°21 | 26°20 | 13°24 | 14°50 | 24°42 | 8°27 | 7°31 | 15°50 | 13° 0 | S 14 |
| M15 | 3 56 46 | 28°19'10 | 24°55 | 10°16 | 23°37 | 6°28 | 0°34 | 26°26 | 13°24 | 14°51 | 24°41 | 8°28 | 7°28 | 15°57 | 12°57 | M15 |
| T 16 | 4 0 42 | 29°20'11 | 7♎17 | 9°24 | 24°51 | 6°41 | 0°46 | 26°33 | 13°24 | 14°51 | 24°40 | 8°30 | 7°25 | 16° 3 | 12°54 | T 16 |
| W17 | 4 4 39 | 0♐21'13 | 19°56 | 8°21 | 26° 5 | 6°53 | 0°59 | 26°39 | 13°24 | 14°52 | 24°40 | 8°31 | 7°22 | 16°10 | 12°51 | W17 |
| T 18 | 4 8 35 | 1°22'16 | 2♏57 | 7°10 | 27°18 | 7° 4 | 1°12 | 26°46 | 13°24 | 14°53 | 24°39 | 8°R32 | 7°18 | 16°17 | 12°48 | T 18 |
| F 19 | 4 12 32 | 2°23'20 | 16°19 | 5°52 | 28°32 | 7°15 | 1°26 | 26°52 | 13°23 | 14°54 | 24°38 | 8°32 | 7°15 | 16°23 | 12°45 | F 19 |
| S 20 | 4 16 28 | 3°24'26 | 0♐ 2 | 4°31 | 29°46 | 7°26 | 1°39 | 26°58 | 13°23 | 14°55 | 24°38 | 8°31 | 7°12 | 16°30 | 12°42 | S 20 |
| S 21 | 4 20 25 | 4°25'32 | 14° 4 | 3° 8 | 1♏ 0 | 7°35 | 1°52 | 27° 4 | 13°23 | 14°55 | 24°37 | 8°28 | 7° 9 | 16°37 | 12°39 | S 21 |
| M22 | 4 24 22 | 5°26'39 | 28°21 | 1°46 | 2°14 | 7°44 | 2° 5 | 27°11 | 13°22 | 14°56 | 24°36 | 8°24 | 7° 6 | 16°44 | 12°36 | M22 |
| T 23 | 4 28 18 | 6°27'46 | 12♑47 | 0°29 | 3°28 | 7°53 | 2°18 | 27°17 | 13°22 | 14°57 | 24°35 | 8°20 | 7° 2 | 16°50 | 12°33 | T 23 |
| W24 | 4 32 15 | 7°28'54 | 27°16 | 29♏18 | 4°42 | 8° 0 | 2°32 | 27°23 | 13°21 | 14°57 | 24°34 | 8°16 | 6°59 | 16°57 | 12°30 | W24 |
| T 25 | 4 36 11 | 8°30'02 | 11♒43 | 28°16 | 5°56 | 8° 7 | 2°45 | 27°29 | 13°21 | 14°58 | 24°33 | 8°12 | 6°56 | 17° 4 | 12°27 | T 25 |
| F 26 | 4 40 8 | 9°31'11 | 26° 3 | 27°23 | 7°10 | 8°14 | 2°59 | 27°35 | 13°20 | 14°59 | 24°33 | 8°10 | 6°53 | 17°11 | 12°25 | F 26 |
| S 27 | 4 44 4 | 10°32'20 | 10♓13 | 26°41 | 8°24 | 8°20 | 3°12 | 27°41 | 13°19 | 14°59 | 24°32 | 8°D10 | 6°50 | 17°17 | 12°22 | S 27 |
| S 28 | 4 48 1 | 11°33'29 | 24°12 | 26°10 | 9°38 | 8°24 | 3°26 | 27°47 | 13°18 | 15° 0 | 24°31 | 8°10 | 6°47 | 17°24 | 12°19 | S 28 |
| M29 | 4 51 57 | 12°34'38 | 7♈58 | 25°51 | 10°53 | 8°29 | 3°39 | 27°52 | 13°18 | 15° 0 | 24°30 | 8°12 | 6°43 | 17°31 | 12°17 | M29 |
| T 30 | 4 55 54 | 13♐35'47 | 21♈32 | 25°D41 | 12♏ 7 | 8♌32 | 3♏53 | 27♎58 | 13♌17 | 15♍ 0 | 24♋29 | 8♏13 | 6♏40 | 17♌37 | 12♉14 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s10 | 2n11 | 3n29 | 23s57 | 2s33 | 0s56 | 1n50 | 21n33 | 1n55 | 23s40 | 0s 7 | 7s33 | 2n17 | 17n34 | 0n41 | 7n15 | 1n15 | 26n28 | 5n16 | 14s27 | 14s19 | 11n43 | 14n50 | 1s16 |
| T 2 | 16 28 | 6 47 | 2 25 | 24 6 | 2 31 | 1 24 | 1 51 | 21 30 | 1 57 | 23 40 | 0 7 | 7 36 | 2 17 | 17 33 | 0 41 | 7 15 | 1 15 | 26 28 | 5 16 | 14 27 | 14 18 | 11 41 | 14 49 | 1 16 |
| W 3 | 16 46 | 10 59 | 1 13 | 24 12 | 2 28 | 1 52 | 1 52 | 21 28 | 1 59 | 23 41 | 0 7 | 7 38 | 2 17 | 17 33 | 0 41 | 7 14 | 1 15 | 26 28 | 5 16 | 14 27 | 14 17 | 11 39 | 14 48 | 1 16 |
| T 4 | 17 3 | 14 31 | 0s 2 | 24 17 | 2 24 | 2 20 | 1 53 | 21 25 | 2 1 | 23 41 | 0 7 | 7 41 | 2 17 | 17 33 | 0 41 | 7 14 | 1 15 | 26 29 | 5 17 | 14 27 | 14 16 | 11 37 | 14 46 | 1 16 |
| F 5 | 17 20 | 17 14 | 1 15 | 24 19 | 2 19 | 2 48 | 1 53 | 21 23 | 2 3 | 23 41 | 0 7 | 7 43 | 2 17 | 17 33 | 0 41 | 7 13 | 1 15 | 26 29 | 5 17 | 14 27 | 14 15 | 11 35 | 14 45 | 1 16 |
| S 6 | 17 37 | 18 58 | 2 23 | 24 19 | 2 13 | 3 16 | 1 54 | 21 21 | 2 5 | 23 41 | 0 7 | 7 46 | 2 17 | 17 33 | 0 41 | 7 13 | 1 15 | 26 29 | 5 17 | 14 27 | 14 14 | 11 34 | 14 44 | 1 16 |
| S 7 | 17 54 | 19 41 | 3 22 | 24 17 | 2 6 | 3 44 | 1 55 | 21 18 | 2 7 | 23 41 | 0 7 | 7 48 | 2 17 | 17 33 | 0 41 | 7 12 | 1 15 | 26 29 | 5 17 | 14 26 | 14 13 | 11 32 | 14 43 | 1 16 |
| M 8 | 18 10 | 19 24 | 4 10 | 24 13 | 1 58 | 4 12 | 1 55 | 21 16 | 2 9 | 23 42 | 0 7 | 7 50 | 2 17 | 17 33 | 0 41 | 7 12 | 1 15 | 26 30 | 5 17 | 14 26 | 14 12 | 11 30 | 14 42 | 1 16 |
| T 9 | 18 26 | 18 12 | 4 45 | 24 6 | 1 48 | 4 40 | 1 55 | 21 14 | 2 11 | 23 42 | 0 8 | 7 53 | 2 18 | 17 33 | 0 41 | 7 12 | 1 15 | 26 30 | 5 18 | 14 25 | 14 11 | 11 28 | 14 41 | 1 17 |
| W10 | 18 41 | 16 11 | 5 7 | 23 57 | 1 37 | 5 8 | 1 56 | 21 12 | 2 13 | 23 42 | 0 8 | 7 55 | 2 18 | 17 33 | 0 41 | 7 11 | 1 15 | 26 30 | 5 18 | 14 24 | 14 10 | 11 26 | 14 40 | 1 17 |
| T 11 | 18 56 | 13 31 | 5 16 | 23 44 | 1 24 | 5 35 | 1 56 | 21 11 | 2 15 | 23 42 | 0 8 | 7 58 | 2 18 | 17 33 | 0 41 | 7 11 | 1 15 | 26 31 | 5 18 | 14 24 | 14 9 | 11 24 | 14 39 | 1 17 |
| F 12 | 19 11 | 10 18 | 5 11 | 23 29 | 1 10 | 6 3 | 1 56 | 21 9 | 2 17 | 23 42 | 0 8 | 8 0 | 2 18 | 17 33 | 0 41 | 7 11 | 1 15 | 26 31 | 5 18 | 14 24 | 14 8 | 11 23 | 14 38 | 1 17 |
| S 13 | 19 26 | 6 41 | 4 52 | 23 11 | 0 54 | 6 31 | 1 56 | 21 7 | 2 19 | 23 42 | 0 8 | 8 2 | 2 18 | 17 33 | 0 41 | 7 10 | 1 15 | 26 31 | 5 18 | 14 24 | 14 7 | 11 21 | 14 37 | 1 17 |
| S 14 | 19 40 | 2 47 | 4 21 | 22 50 | 0 37 | 6 58 | 1 56 | 21 6 | 2 22 | 23 42 | 0 8 | 8 4 | 2 18 | 17 33 | 0 41 | 7 10 | 1 15 | 26 32 | 5 19 | 14 24 | 14 6 | 11 19 | 14 36 | 1 17 |
| M15 | 19 54 | 1s18 | 3 38 | 22 26 | 0 19 | 7 26 | 1 56 | 21 5 | 2 24 | 23 42 | 0 8 | 8 7 | 2 18 | 17 33 | 0 41 | 7 10 | 1 15 | 26 32 | 5 19 | 14 24 | 14 5 | 11 17 | 14 35 | 1 17 |
| T 16 | 20 7 | 5 25 | 2 44 | 21 59 | 0n 0 | 7 53 | 1 55 | 21 4 | 2 26 | 23 42 | 0 8 | 8 9 | 2 18 | 17 33 | 0 41 | 7 9 | 1 15 | 26 32 | 5 19 | 14 25 | 14 4 | 11 15 | 14 34 | 1 17 |
| W17 | 20 20 | 9 23 | 1 41 | 21 29 | 0 20 | 8 20 | 1 55 | 21 3 | 2 28 | 23 42 | 0 8 | 8 11 | 2 18 | 17 33 | 0 41 | 7 9 | 1 15 | 26 32 | 5 19 | 14 25 | 14 3 | 11 13 | 14 33 | 1 17 |
| T 18 | 20 33 | 13 3 | 0 31 | 20 57 | 0 41 | 8 48 | 1 54 | 21 2 | 2 31 | 23 42 | 0 8 | 8 13 | 2 18 | 17 33 | 0 41 | 7 9 | 1 16 | 26 33 | 5 19 | 14 26 | 14 2 | 11 12 | 14 32 | 1 17 |
| F 19 | 20 45 | 16 8 | 0n43 | 20 24 | 1 1 | 9 14 | 1 54 | 21 1 | 2 33 | 23 42 | 0 9 | 8 15 | 2 19 | 17 33 | 0 41 | 7 8 | 1 16 | 26 33 | 5 20 | 14 26 | 14 1 | 11 10 | 14 31 | 1 17 |
| S 20 | 20 57 | 18 23 | 1 55 | 19 50 | 1 21 | 9 41 | 1 53 | 21 1 | 2 35 | 23 42 | 0 9 | 8 18 | 2 19 | 17 34 | 0 42 | 7 8 | 1 16 | 26 33 | 5 20 | 14 25 | 14 0 | 11 8 | 14 30 | 1 17 |
| S 21 | 21 9 | 19 35 | 3 3 | 19 16 | 1 39 | 10 8 | 1 53 | 21 1 | 2 38 | 23 42 | 0 9 | 8 20 | 2 19 | 17 34 | 0 42 | 7 8 | 1 16 | 26 34 | 5 20 | 14 24 | 13 58 | 11 6 | 14 29 | 1 17 |
| M22 | 21 20 | 19 34 | 4 0 | 18 44 | 1 56 | 10 34 | 1 52 | 21 1 | 2 40 | 23 42 | 0 9 | 8 22 | 2 19 | 17 34 | 0 42 | 7 8 | 1 16 | 26 34 | 5 20 | 14 23 | 13 57 | 11 4 | 14 29 | 1 17 |
| T 23 | 21 31 | 18 16 | 4 42 | 18 13 | 2 12 | 11 0 | 1 51 | 21 1 | 2 42 | 23 42 | 0 9 | 8 24 | 2 19 | 17 34 | 0 42 | 7 8 | 1 16 | 26 34 | 5 20 | 14 22 | 13 56 | 11 2 | 14 28 | 1 18 |
| W24 | 21 41 | 15 48 | 5 7 | 17 46 | 2 24 | 11 26 | 1 50 | 21 1 | 2 45 | 23 42 | 0 9 | 8 26 | 2 19 | 17 34 | 0 42 | 7 7 | 1 16 | 26 35 | 5 20 | 14 20 | 13 55 | 11 0 | 14 27 | 1 18 |
| T 25 | 21 51 | 12 22 | 5 12 | 17 22 | 2 35 | 11 52 | 1 49 | 21 2 | 2 47 | 23 42 | 0 9 | 8 28 | 2 19 | 17 34 | 0 42 | 7 7 | 1 16 | 26 35 | 5 21 | 14 19 | 13 54 | 10 59 | 14 26 | 1 18 |
| F 26 | 22 0 | 8 14 | 4 58 | 17 2 | 2 43 | 12 17 | 1 48 | 21 2 | 2 50 | 23 41 | 0 9 | 8 30 | 2 19 | 17 35 | 0 42 | 7 7 | 1 16 | 26 35 | 5 21 | 14 19 | 13 53 | 10 57 | 14 25 | 1 18 |
| S 27 | 22 9 | 3 41 | 4 25 | 16 47 | 2 49 | 12 42 | 1 47 | 21 3 | 2 52 | 23 41 | 0 9 | 8 32 | 2 20 | 17 35 | 0 42 | 7 7 | 1 16 | 26 36 | 5 21 | 14 18 | 13 52 | 10 55 | 14 24 | 1 18 |
| S 28 | 22 18 | 1n 0 | 3 37 | 16 36 | 2 53 | 13 7 | 1 45 | 21 4 | 2 55 | 23 41 | 0 9 | 8 34 | 2 20 | 17 35 | 0 42 | 7 7 | 1 16 | 26 36 | 5 21 | 14 18 | 13 51 | 10 53 | 14 23 | 1 18 |
| M29 | 22 26 | 5 35 | 2 38 | 16 29 | 2 55 | 13 31 | 1 44 | 21 5 | 2 57 | 23 41 | 0 9 | 8 36 | 2 20 | 17 35 | 0 42 | 7 7 | 1 16 | 26 36 | 5 21 | 14 19 | 13 50 | 10 51 | 14 22 | 1 18 |
| T 30 | 22s34 | 9n50 | 1n30 | 16s27 | 2n56 | 13s55 | 1n43 | 21n 7 | 3n 0 | 23s40 | 0s10 | 8s38 | 2n20 | 17n36 | 0n42 | 7n 6 | 1n16 | 26n37 | 5n22 | 14s19 | 13s49 | 10n49 | 14n21 | 1s18 |

Julian Day Number = 2069080.5, Delta T = 28m35s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'48, Lahiri = 9°15'48 Julian Calendar 1 Nov. 952 == Greg. Calendar 6 Nov. 952


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# ASTRODIENST EPHEMERIS for the year 952
# geocentric

## DECEMBER 952 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 59 51 | 14♐36'57 | 4♉53 | 25♏42 | 13♏21 | 8♌35 | 4♑ 6 | 28♎ 4 | 13°R16 | 15♍ 1 | 24°R28 | 8°R14 | 6♏37 | 17♌44 | 12°R11 | W 1 |
| T 2 | 5 3 47 | 15°38'07 | 18° 4 | 25°52 | 14°35 | 8°37 | 4°20 | 28°10 | 13♌15 | 15° 1 | 24♋27 | 8♏14 | 6°34 | 17°51 | 12♉ 9 | T 2 |
| F 3 | 5 7 44 | 16°39'17 | 1♊ 2 | 26°10 | 15°50 | 8°39 | 4°34 | 28°15 | 13°14 | 15° 1 | 24°26 | 8°11 | 6°31 | 17°58 | 12° 6 | F 3 |
| S 4 | 5 11 40 | 17°40'28 | 13°49 | 26°36 | 17° 4 | 8°R39 | 4°47 | 28°21 | 13°13 | 15° 2 | 24°25 | 8° 7 | 6°28 | 18° 4 | 12° 4 | S 4 |
| S 5 | 5 15 37 | 18°41'38 | 26°25 | 27°10 | 18°18 | 8°39 | 5° 1 | 28°26 | 13°11 | 15° 2 | 24°24 | 8° 1 | 6°24 | 18°11 | 12° 2 | S 5 |
| M 6 | 5 19 33 | 19°42'49 | 8♋49 | 27°49 | 19°33 | 8°38 | 5°15 | 28°32 | 13°10 | 15° 2 | 24°23 | 7°53 | 6°21 | 18°18 | 11°59 | M 6 |
| T 7 | 5 23 30 | 20°44'01 | 21° 2 | 28°34 | 20°47 | 8°36 | 5°29 | 28°37 | 13° 9 | 15° 2 | 24°21 | 7°45 | 6°18 | 18°24 | 11°57 | T 7 |
| W 8 | 5 27 27 | 21°45'12 | 3♌ 5 | 29°24 | 22° 2 | 8°34 | 5°43 | 28°42 | 13° 8 | 15° 3 | 24°20 | 7°36 | 6°15 | 18°31 | 11°55 | W 8 |
| T 9 | 5 31 23 | 22°46'24 | 15° 1 | 0♐19 | 23°16 | 8°30 | 5°56 | 28°47 | 13° 6 | 15° 3 | 24°19 | 7°29 | 6°12 | 18°38 | 11°52 | T 9 |
| F 10 | 5 35 20 | 23°47'36 | 26°53 | 1°17 | 24°31 | 8°26 | 6°10 | 28°52 | 13° 5 | 15° 3 | 24°18 | 7°23 | 6° 8 | 18°45 | 11°50 | F 10 |
| S 11 | 5 39 16 | 24°48'48 | 8♍44 | 2°19 | 25°45 | 8°21 | 6°24 | 28°58 | 13° 4 | 15° 3 | 24°17 | 7°19 | 6° 5 | 18°51 | 11°48 | S 11 |
| S 12 | 5 43 13 | 25°50'01 | 20°39 | 3°24 | 27° 0 | 8°16 | 6°38 | 29° 3 | 13° 2 | 15°R 3 | 24°16 | 7°D18 | 6° 2 | 18°58 | 11°46 | S 12 |
| M13 | 5 47 9 | 26°51'14 | 2♎43 | 4°31 | 28°14 | 8° 9 | 6°52 | 29° 7 | 13° 1 | 15° 3 | 24°15 | 7°18 | 5°59 | 19° 5 | 11°44 | M13 |
| T 14 | 5 51 6 | 27°52'27 | 15° 1 | 5°41 | 29°29 | 8° 2 | 7° 6 | 29°12 | 12°59 | 15° 3 | 24°13 | 7°19 | 5°56 | 19°12 | 11°42 | T 14 |
| W15 | 5 55 2 | 28°53'40 | 27°38 | 6°53 | 0♐44 | 7°53 | 7°20 | 29°17 | 12°57 | 15° 3 | 24°12 | 7°20 | 5°53 | 19°18 | 11°40 | W15 |
| T 16 | 5 58 59 | 29°54'53 | 10♏38 | 8° 7 | 1°58 | 7°44 | 7°34 | 29°22 | 12°56 | 15° 2 | 24°11 | 7°R20 | 5°49 | 19°25 | 11°38 | T 16 |
| F 17 | 6 2 56 | 0♑56'07 | 24° 5 | 9°23 | 3°13 | 7°34 | 7°48 | 29°26 | 12°54 | 15° 2 | 24°10 | 7°19 | 5°46 | 19°32 | 11°36 | F 17 |
| S 18 | 6 6 52 | 1°57'20 | 8♐ 0 | 10°40 | 4°28 | 7°24 | 8° 2 | 29°31 | 12°52 | 15° 2 | 24° 8 | 7°15 | 5°43 | 19°38 | 11°35 | S 18 |
| S 19 | 6 10 49 | 2°58'34 | 22°20 | 11°59 | 5°42 | 7°12 | 8°16 | 29°35 | 12°50 | 15° 2 | 24° 7 | 7° 9 | 5°40 | 19°45 | 11°33 | S 19 |
| M20 | 6 14 45 | 3°59'47 | 7♑ 0 | 13°19 | 6°57 | 7° 0 | 8°30 | 29°40 | 12°49 | 15° 2 | 24° 6 | 7° 1 | 5°37 | 19°52 | 11°31 | M20 |
| T 21 | 6 18 42 | 5° 0'59 | 21°54 | 14°40 | 8°12 | 6°47 | 8°44 | 29°44 | 12°47 | 15° 1 | 24° 5 | 6°51 | 5°34 | 19°59 | 11°30 | T 21 |
| W22 | 6 22 38 | 6° 2'12 | 6♒53 | 16° 2 | 9°26 | 6°33 | 8°58 | 29°48 | 12°45 | 15° 1 | 24° 3 | 6°42 | 5°30 | 20° 5 | 11°28 | W22 |
| T 23 | 6 26 35 | 7° 3'23 | 21°46 | 17°25 | 10°41 | 6°18 | 9°12 | 29°52 | 12°43 | 15° 1 | 24° 2 | 6°33 | 5°27 | 20°12 | 11°27 | T 23 |
| F 24 | 6 30 31 | 8° 4'34 | 6♓26 | 18°49 | 11°56 | 6° 3 | 9°27 | 29°57 | 12°41 | 15° 0 | 24° 1 | 6°27 | 5°24 | 20°19 | 11°25 | F 24 |
| S 25 | 6 34 28 | 9° 5'44 | 20°48 | 20°14 | 13°11 | 5°47 | 9°41 | 0♏ 1 | 12°39 | 15° 0 | 23°59 | 6°23 | 5°21 | 20°25 | 11°24 | S 25 |
| S 26 | 6 38 25 | 10° 6'53 | 4♈49 | 21°40 | 14°25 | 5°30 | 9°55 | 0° 4 | 12°37 | 14°59 | 23°58 | 6°D22 | 5°18 | 20°32 | 11°23 | S 26 |
| M27 | 6 42 21 | 11° 8'01 | 18°30 | 23° 7 | 15°40 | 5°12 | 10° 9 | 0° 8 | 12°35 | 14°59 | 23°57 | 6°22 | 5°14 | 20°39 | 11°22 | M27 |
| T 28 | 6 46 18 | 12° 9'09 | 1♉52 | 24°34 | 16°55 | 4°54 | 10°23 | 0°12 | 12°33 | 14°58 | 23°55 | 6°R22 | 5°11 | 20°46 | 11°20 | T 28 |
| W29 | 6 50 14 | 13°10'15 | 14°56 | 26° 2 | 18°10 | 4°35 | 10°37 | 0°16 | 12°30 | 14°58 | 23°54 | 6°22 | 5° 8 | 20°52 | 11°19 | W29 |
| T 30 | 6 54 11 | 14°11'21 | 27°47 | 27°30 | 19°24 | 4°16 | 10°51 | 0°19 | 12°28 | 14°57 | 23°53 | 6°20 | 5° 5 | 20°59 | 11°18 | T 30 |
| F 31 | 6 58 7 | 15♑12'25 | 10♊25 | 29♐ 0 | 20♐39 | 3♌56 | 11♑ 5 | 0♏23 | 12♌26 | 14♍57 | 23♋51 | 6♏15 | 5♏ 2 | 21♌ 6 | 11♉17 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s41 | 13n31 | 0n18 | 16s28 | 2n54 | 14s19 | 1n41 | 21n 9 | 3n 2 | 23s40 | 0s10 | 8s40 | 2n20 | 17n36 | 0n42 | 7n 6 | 1n16 | 26n37 | 5n22 | 14s20 | 13s48 | 10n48 | 14n21 | 1s18 |
| T 2 | 22 48 | 16 27 | 0s53 | 16 33 | 2 52 | 14 43 | 1 40 | 21 10 | 3 5 | 23 40 | 0 10 | 8 42 | 2 20 | 17 36 | 0 42 | 7 6 | 1 16 | 26 38 | 5 22 | 14 20 | 13 47 | 10 46 | 14 20 | 1 18 |
| F 3 | 22 54 | 18 31 | 2 1 | 16 41 | 2 48 | 15 6 | 1 38 | 21 13 | 3 7 | 23 39 | 0 10 | 8 43 | 2 21 | 17 37 | 0 42 | 7 6 | 1 16 | 26 38 | 5 22 | 14 19 | 13 46 | 10 44 | 14 19 | 1 18 |
| S 4 | 23 0 | 19 35 | 3 1 | 16 51 | 2 44 | 15 29 | 1 37 | 21 15 | 3 10 | 23 39 | 0 10 | 8 45 | 2 21 | 17 37 | 0 42 | 7 6 | 1 16 | 26 38 | 5 22 | 14 17 | 13 45 | 10 42 | 14 18 | 1 18 |
| S 5 | 23 5 | 19 40 | 3 51 | 17 4 | 2 38 | 15 51 | 1 35 | 21 17 | 3 12 | 23 39 | 0 10 | 8 47 | 2 21 | 17 37 | 0 42 | 7 6 | 1 16 | 26 39 | 5 22 | 14 15 | 13 44 | 10 40 | 14 17 | 1 18 |
| M 6 | 23 10 | 18 47 | 4 30 | 17 19 | 2 32 | 16 13 | 1 33 | 21 20 | 3 15 | 23 38 | 0 10 | 8 49 | 2 21 | 17 38 | 0 42 | 7 6 | 1 16 | 26 39 | 5 23 | 14 13 | 13 43 | 10 38 | 14 17 | 1 18 |
| T 7 | 23 15 | 17 3 | 4 55 | 17 35 | 2 25 | 16 35 | 1 31 | 21 23 | 3 17 | 23 38 | 0 10 | 8 51 | 2 21 | 17 38 | 0 42 | 7 6 | 1 17 | 26 39 | 5 23 | 14 10 | 13 42 | 10 36 | 14 16 | 1 18 |
| W 8 | 23 19 | 14 36 | 5 7 | 17 53 | 2 18 | 16 56 | 1 30 | 21 26 | 3 20 | 23 37 | 0 10 | 8 52 | 2 21 | 17 39 | 0 42 | 7 6 | 1 17 | 26 40 | 5 23 | 14 7 | 13 41 | 10 35 | 14 15 | 1 18 |
| T 9 | 23 22 | 11 33 | 5 5 | 18 12 | 2 11 | 17 17 | 1 28 | 21 30 | 3 23 | 23 37 | 0 10 | 8 54 | 2 22 | 17 39 | 0 42 | 7 6 | 1 17 | 26 40 | 5 23 | 14 5 | 13 40 | 10 33 | 14 14 | 1 18 |
| F 10 | 23 26 | 8 4 | 4 51 | 18 32 | 2 3 | 17 37 | 1 26 | 21 33 | 3 25 | 23 36 | 0 10 | 8 56 | 2 22 | 17 39 | 0 42 | 7 6 | 1 17 | 26 40 | 5 23 | 14 3 | 13 39 | 10 31 | 14 14 | 1 18 |
| S 11 | 23 28 | 4 16 | 4 23 | 18 52 | 1 55 | 17 57 | 1 24 | 21 37 | 3 28 | 23 36 | 0 11 | 8 57 | 2 22 | 17 40 | 0 42 | 7 6 | 1 17 | 26 41 | 5 23 | 14 2 | 13 37 | 10 29 | 14 13 | 1 18 |
| S 12 | 23 30 | 0 17 | 3 45 | 19 12 | 1 47 | 18 16 | 1 22 | 21 41 | 3 30 | 23 35 | 0 11 | 8 59 | 2 22 | 17 40 | 0 42 | 7 6 | 1 17 | 26 41 | 5 23 | 14 1 | 13 36 | 10 27 | 14 12 | 1 18 |
| M13 | 23 32 | 3s46 | 2 55 | 19 33 | 1 38 | 18 35 | 1 19 | 21 45 | 3 33 | 23 34 | 0 11 | 9 0 | 2 22 | 17 41 | 0 42 | 7 6 | 1 17 | 26 41 | 5 24 | 14 1 | 13 35 | 10 25 | 14 12 | 1 18 |
| T 14 | 23 33 | 7 45 | 1 57 | 19 54 | 1 30 | 18 54 | 1 17 | 21 50 | 3 35 | 23 34 | 0 11 | 9 2 | 2 22 | 17 41 | 0 42 | 7 6 | 1 17 | 26 42 | 5 24 | 14 2 | 13 34 | 10 23 | 14 11 | 1 18 |
| W15 | 23 34 | 11 30 | 0 52 | 20 14 | 1 22 | 19 12 | 1 15 | 21 54 | 3 38 | 23 33 | 0 11 | 9 3 | 2 23 | 17 42 | 0 42 | 7 6 | 1 17 | 26 42 | 5 24 | 14 2 | 13 33 | 10 21 | 14 11 | 1 18 |
| T 16 | 23 34 | 14 49 | 0n18 | 20 35 | 1 13 | 19 29 | 1 13 | 21 59 | 3 40 | 23 32 | 0 11 | 9 5 | 2 23 | 17 42 | 0 43 | 7 6 | 1 17 | 26 43 | 5 24 | 14 2 | 13 32 | 10 20 | 14 10 | 1 18 |
| F 17 | 23 34 | 17 28 | 1 29 | 20 55 | 1 5 | 19 46 | 1 10 | 22 4 | 3 43 | 23 32 | 0 11 | 9 6 | 2 23 | 17 43 | 0 43 | 7 7 | 1 17 | 26 43 | 5 24 | 14 2 | 13 31 | 10 18 | 14 9 | 1 18 |
| S 18 | 23 33 | 19 11 | 2 37 | 21 14 | 0 56 | 20 2 | 1 8 | 22 9 | 3 45 | 23 31 | 0 11 | 9 8 | 2 23 | 17 43 | 0 43 | 7 7 | 1 17 | 26 43 | 5 24 | 14 1 | 13 30 | 10 16 | 14 9 | 1 18 |
| S 19 | 23 32 | 19 45 | 3 37 | 21 34 | 0 48 | 20 18 | 1 6 | 22 14 | 3 48 | 23 30 | 0 11 | 9 9 | 2 23 | 17 44 | 0 43 | 7 7 | 1 17 | 26 44 | 5 24 | 13 59 | 13 29 | 10 14 | 14 8 | 1 19 |
| M20 | 23 31 | 19 0 | 4 24 | 21 52 | 0 40 | 20 33 | 1 3 | 22 20 | 3 50 | 23 29 | 0 11 | 9 11 | 2 24 | 17 44 | 0 43 | 7 7 | 1 17 | 26 44 | 5 25 | 13 56 | 13 28 | 10 12 | 14 8 | 1 19 |
| T 21 | 23 29 | 16 56 | 4 54 | 22 10 | 0 32 | 20 48 | 1 1 | 22 26 | 3 52 | 23 28 | 0 12 | 9 12 | 2 24 | 17 45 | 0 43 | 7 7 | 1 17 | 26 44 | 5 25 | 13 53 | 13 27 | 10 10 | 14 7 | 1 19 |
| W22 | 23 26 | 13 45 | 5 4 | 22 27 | 0 23 | 21 2 | 0 59 | 22 31 | 3 55 | 23 28 | 0 12 | 9 13 | 2 24 | 17 46 | 0 43 | 7 7 | 1 17 | 26 45 | 5 25 | 13 50 | 13 26 | 10 8 | 14 7 | 1 19 |
| T 23 | 23 23 | 9 42 | 4 54 | 22 43 | 0 15 | 21 15 | 0 56 | 22 37 | 3 57 | 23 27 | 0 12 | 9 14 | 2 24 | 17 46 | 0 43 | 7 7 | 1 17 | 26 45 | 5 25 | 13 47 | 13 25 | 10 6 | 14 6 | 1 19 |
| F 24 | 23 19 | 5 7 | 4 24 | 22 58 | 0 8 | 21 28 | 0 54 | 22 44 | 3 59 | 23 26 | 0 12 | 9 16 | 2 24 | 17 47 | 0 43 | 7 8 | 1 17 | 26 45 | 5 25 | 13 45 | 13 24 | 10 5 | 14 6 | 1 19 |
| S 25 | 23 16 | 0 20 | 3 38 | 23 13 | 0s 0 | 21 40 | 0 51 | 22 50 | 4 1 | 23 25 | 0 12 | 9 17 | 2 25 | 17 47 | 0 43 | 7 8 | 1 17 | 26 46 | 5 25 | 13 43 | 13 23 | 10 3 | 14 5 | 1 19 |
| S 26 | 23 11 | 4n22 | 2 40 | 23 26 | 0 8 | 21 51 | 0 48 | 22 56 | 4 4 | 23 24 | 0 12 | 9 18 | 2 25 | 17 48 | 0 43 | 7 8 | 1 17 | 26 46 | 5 25 | 13 43 | 13 22 | 10 1 | 14 5 | 1 19 |
| M27 | 23 6 | 8 44 | 1 34 | 23 39 | 0 15 | 22 2 | 0 46 | 23 2 | 4 6 | 23 23 | 0 12 | 9 19 | 2 25 | 17 49 | 0 43 | 7 8 | 1 18 | 26 46 | 5 25 | 13 43 | 13 21 | 9 59 | 14 5 | 1 19 |
| T 28 | 23 1 | 12 34 | 0 24 | 23 50 | 0 22 | 22 13 | 0 43 | 23 9 | 4 8 | 23 22 | 0 12 | 9 20 | 2 25 | 17 49 | 0 43 | 7 9 | 1 18 | 26 47 | 5 25 | 13 43 | 13 19 | 9 57 | 14 4 | 1 19 |
| W29 | 22 55 | 15 41 | 0s45 | 24 0 | 0 29 | 22 22 | 0 41 | 23 15 | 4 10 | 23 21 | 0 12 | 9 21 | 2 25 | 17 50 | 0 43 | 7 9 | 1 18 | 26 47 | 5 26 | 13 43 | 13 18 | 9 55 | 14 4 | 1 19 |
| T 30 | 22 49 | 17 58 | 1 51 | 24 9 | 0 36 | 22 31 | 0 38 | 23 22 | 4 11 | 23 20 | 0 12 | 9 22 | 2 26 | 17 51 | 0 43 | 7 9 | 1 18 | 26 47 | 5 26 | 13 42 | 13 17 | 9 53 | 14 4 | 1 19 |
| F 31 | 22s42 | 19n20 | 2s50 | 24s17 | 0s43 | 22s39 | 0n35 | 23n28 | 4n13 | 23s19 | 0s13 | 9s23 | 2n26 | 17n51 | 0n43 | 7n 9 | 1n18 | 26n48 | 5n26 | 13s41 | 13s16 | 9n51 | 14n 3 | 1s19 |

Julian Day Number = 2069110.5, Delta T = 28m35s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'52, Lahiri = 9°15'53 Julian Calendar 1 Dec. 952 == Greg. Calendar 6 Dec. 952


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## JANUARY 953 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 2 4 | 16♑13'29 | 22♊53 | 0♑30 | 21♐54 | 3°R36 | 11♑19 | 0♏26 | 12°R24 | 14°R56 | 23°R50 | 6°R 7 | 4♏59 | 21♌12 | 11°R16 | S 1 |
| S 2 | 7 6 0 | 17°14'32 | 5♋13 | 2° 0 | 23° 9 | 3♌15 | 11°33 | 0°29 | 12♌22 | 14♍55 | 23♋48 | 5♏57 | 4°55 | 21°19 | 11♉16 | S 2 |
| M 3 | 7 9 57 | 18°15'34 | 17°25 | 3°32 | 24°24 | 2°53 | 11°47 | 0°32 | 12°19 | 14°54 | 23°47 | 5°44 | 4°52 | 21°26 | 11°15 | M 3 |
| T 4 | 7 13 54 | 19°16'35 | 29°30 | 5° 3 | 25°38 | 2°31 | 12° 1 | 0°36 | 12°17 | 14°54 | 23°46 | 5°30 | 4°49 | 21°33 | 11°14 | T 4 |
| W 5 | 7 17 50 | 20°17'35 | 11♌28 | 6°36 | 26°53 | 2° 9 | 12°15 | 0°39 | 12°15 | 14°53 | 23°44 | 5°16 | 4°46 | 21°39 | 11°13 | W 5 |
| T 6 | 7 21 47 | 21°18'34 | 23°22 | 8° 9 | 28° 8 | 1°46 | 12°29 | 0°41 | 12°12 | 14°52 | 23°43 | 5° 3 | 4°43 | 21°46 | 11°13 | T 6 |
| F 7 | 7 25 43 | 22°19'33 | 5♍13 | 9°43 | 29°23 | 1°23 | 12°43 | 0°44 | 12°10 | 14°51 | 23°42 | 4°52 | 4°40 | 21°53 | 11°12 | F 7 |
| S 8 | 7 29 40 | 23°20'30 | 17° 3 | 11°17 | 0♑38 | 1° 0 | 12°57 | 0°47 | 12° 7 | 14°50 | 23°40 | 4°44 | 4°36 | 22° 0 | 11°12 | S 8 |
| S 9 | 7 33 36 | 24°21'27 | 28°57 | 12°52 | 1°52 | 0°36 | 13°11 | 0°50 | 12° 5 | 14°50 | 23°39 | 4°39 | 4°33 | 22° 6 | 11°12 | S 9 |
| M10 | 7 37 33 | 25°22'23 | 10♎58 | 14°28 | 3° 7 | 0°13 | 13°25 | 0°52 | 12° 2 | 14°49 | 23°37 | 4°36 | 4°30 | 22°13 | 11°11 | M10 |
| T 11 | 7 41 29 | 26°23'18 | 23°12 | 16° 5 | 4°22 | 29♋49 | 13°39 | 0°55 | 12° 0 | 14°48 | 23°36 | 4°D36 | 4°27 | 22°20 | 11°11 | T 11 |
| W12 | 7 45 26 | 27°24'12 | 5♏43 | 17°42 | 5°37 | 29°25 | 13°53 | 0°57 | 11°57 | 14°47 | 23°35 | 4°R36 | 4°24 | 22°26 | 11°11 | W12 |
| T 13 | 7 49 23 | 28°25'05 | 18°38 | 19°20 | 6°52 | 29° 1 | 14° 7 | 0°59 | 11°55 | 14°46 | 23°33 | 4°35 | 4°20 | 22°33 | 11°11 | T 13 |
| F 14 | 7 53 19 | 29°25'58 | 1♐59 | 20°58 | 8° 6 | 28°37 | 14°21 | 1° 1 | 11°52 | 14°45 | 23°32 | 4°33 | 4°17 | 22°40 | 11°D11 | F 14 |
| S 15 | 7 57 16 | 0♒26'49 | 15°51 | 22°38 | 9°21 | 28°13 | 14°35 | 1° 3 | 11°50 | 14°44 | 23°31 | 4°28 | 4°14 | 22°47 | 11°11 | S 15 |
| S 16 | 8 1 12 | 1°27'40 | 0♑12 | 24°18 | 10°36 | 27°49 | 14°49 | 1° 5 | 11°47 | 14°43 | 23°29 | 4°21 | 4°11 | 22°53 | 11°11 | S 16 |
| M17 | 8 5 9 | 2°28'29 | 15° 1 | 25°59 | 11°51 | 27°25 | 15° 2 | 1° 7 | 11°45 | 14°41 | 23°28 | 4°11 | 4° 8 | 23° 0 | 11°11 | M17 |
| T 18 | 8 9 5 | 3°29'17 | 0♒ 8 | 27°41 | 13° 6 | 27° 1 | 15°16 | 1° 9 | 11°42 | 14°40 | 23°26 | 3°59 | 4° 5 | 23° 7 | 11°11 | T 18 |
| W19 | 8 13 2 | 4°30'04 | 15°25 | 29°23 | 14°21 | 26°38 | 15°30 | 1°11 | 11°40 | 14°39 | 23°25 | 3°47 | 4° 1 | 23°13 | 11°11 | W19 |
| T 20 | 8 16 58 | 5°30'49 | 0♓40 | 1♒ 6 | 15°35 | 26°15 | 15°44 | 1°12 | 11°37 | 14°38 | 23°24 | 3°37 | 3°58 | 23°20 | 11°12 | T 20 |
| F 21 | 8 20 55 | 6°31'33 | 15°41 | 2°51 | 16°50 | 25°52 | 15°57 | 1°13 | 11°34 | 14°37 | 23°22 | 3°28 | 3°55 | 23°27 | 11°12 | F 21 |
| S 22 | 8 24 52 | 7°32'15 | 0♈22 | 4°36 | 18° 5 | 25°29 | 16°11 | 1°15 | 11°32 | 14°35 | 23°21 | 3°23 | 3°52 | 23°34 | 11°13 | S 22 |
| S 23 | 8 28 48 | 8°32'55 | 14°37 | 6°21 | 19°20 | 25° 7 | 16°25 | 1°16 | 11°29 | 14°34 | 23°20 | 3°20 | 3°49 | 23°40 | 11°13 | S 23 |
| M24 | 8 32 45 | 9°33'34 | 28°25 | 8° 8 | 20°34 | 24°46 | 16°38 | 1°17 | 11°26 | 14°33 | 23°18 | 3°19 | 3°46 | 23°47 | 11°14 | M24 |
| T 25 | 8 36 41 | 10°34'10 | 11♉48 | 9°56 | 21°49 | 24°25 | 16°52 | 1°18 | 11°24 | 14°32 | 23°17 | 3°19 | 3°42 | 23°54 | 11°14 | T 25 |
| W26 | 8 40 38 | 11°34'45 | 24°49 | 11°44 | 23° 4 | 24° 4 | 17° 5 | 1°19 | 11°21 | 14°30 | 23°16 | 3°18 | 3°39 | 24° 0 | 11°15 | W26 |
| T 27 | 8 44 34 | 12°35'18 | 7♊31 | 13°33 | 24°19 | 23°44 | 17°19 | 1°20 | 11°19 | 14°29 | 23°14 | 3°16 | 3°36 | 24° 7 | 11°16 | T 27 |
| F 28 | 8 48 31 | 13°35'49 | 19°58 | 15°23 | 25°34 | 23°25 | 17°32 | 1°21 | 11°16 | 14°28 | 23°13 | 3°11 | 3°33 | 24°14 | 11°17 | F 28 |
| S 29 | 8 52 27 | 14°36'18 | 2♋14 | 17°13 | 26°48 | 23° 6 | 17°45 | 1°21 | 11°13 | 14°26 | 23°12 | 3° 4 | 3°30 | 24°21 | 11°18 | S 29 |
| S 30 | 8 56 24 | 15°36'46 | 14°22 | 19° 5 | 28° 3 | 22°47 | 17°59 | 1°22 | 11°11 | 14°25 | 23°11 | 2°53 | 3°26 | 24°27 | 11°19 | S 30 |
| M31 | 9 0 21 | 16♒37'11 | 26♋23 | 20♒57 | 29♑18 | 22♋30 | 18♑12 | 1♏22 | 11♌ 8 | 14♍23 | 23♋ 9 | 2♏40 | 3♏23 | 24♌34 | 11♉20 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s35 | 19n43 | 3s40 | 24s24 | 0s50 | 22s47 | 0n33 | 23n35 | 4n15 | 23s18 | 0s13 | 9s24 | 2n26 | 17n52 | 0n43 | 7n10 | 1n18 | 26n48 | 5n26 | 13s38 | 13s15 | 9n50 | 14n 3 | 1s19 | S 1 |
| S 2 | 22 27 | 19 9 | 4 19 | 24 29 | 0 56 | 22 54 | 0 30 | 23 42 | 4 17 | 23 17 | 0 13 | 9 25 | 2 26 | 17 53 | 0 43 | 7 10 | 1 18 | 26 48 | 5 26 | 13 35 | 13 14 | 9 48 | 14 3 | 1 19 | S 2 |
| M 3 | 22 19 | 17 43 | 4 46 | 24 33 | 1 2 | 23 0 | 0 27 | 23 48 | 4 18 | 23 16 | 0 13 | 9 26 | 2 27 | 17 53 | 0 43 | 7 10 | 1 18 | 26 49 | 5 26 | 13 30 | 13 13 | 9 46 | 14 2 | 1 19 | M 3 |
| T 4 | 22 11 | 15 30 | 4 59 | 24 36 | 1 8 | 23 5 | 0 25 | 23 55 | 4 20 | 23 14 | 0 13 | 9 27 | 2 27 | 17 54 | 0 43 | 7 11 | 1 18 | 26 49 | 5 26 | 13 26 | 13 12 | 9 44 | 14 2 | 1 19 | T 4 |
| W 5 | 22 2 | 12 39 | 4 59 | 24 38 | 1 13 | 23 10 | 0 22 | 24 1 | 4 21 | 23 13 | 0 13 | 9 28 | 2 27 | 17 55 | 0 43 | 7 11 | 1 18 | 26 49 | 5 26 | 13 21 | 13 11 | 9 42 | 14 2 | 1 19 | W 5 |
| T 6 | 21 52 | 9 19 | 4 46 | 24 38 | 1 19 | 23 14 | 0 19 | 24 8 | 4 22 | 23 12 | 0 13 | 9 29 | 2 27 | 17 55 | 0 43 | 7 11 | 1 18 | 26 50 | 5 26 | 13 17 | 13 10 | 9 40 | 14 2 | 1 19 | T 6 |
| F 7 | 21 43 | 5 37 | 4 20 | 24 37 | 1 24 | 23 18 | 0 17 | 24 14 | 4 23 | 23 11 | 0 13 | 9 29 | 2 27 | 17 56 | 0 43 | 7 12 | 1 18 | 26 50 | 5 26 | 13 13 | 13 9 | 9 38 | 14 2 | 1 19 | F 7 |
| S 8 | 21 33 | 1 43 | 3 43 | 24 34 | 1 29 | 23 20 | 0 14 | 24 21 | 4 24 | 23 10 | 0 13 | 9 30 | 2 28 | 17 57 | 0 43 | 7 12 | 1 18 | 26 50 | 5 26 | 13 10 | 13 8 | 9 36 | 14 1 | 1 19 | S 8 |
| S 9 | 21 22 | 2s17 | 2 57 | 24 30 | 1 33 | 23 22 | 0 11 | 24 27 | 4 25 | 23 8 | 0 13 | 9 31 | 2 28 | 17 57 | 0 43 | 7 13 | 1 18 | 26 51 | 5 27 | 13 8 | 13 7 | 9 34 | 14 1 | 1 19 | S 9 |
| M10 | 21 11 | 6 14 | 2 2 | 24 24 | 1 38 | 23 24 | 0 9 | 24 33 | 4 26 | 23 7 | 0 14 | 9 32 | 2 28 | 17 58 | 0 43 | 7 13 | 1 18 | 26 51 | 5 27 | 13 8 | 13 6 | 9 33 | 14 1 | 1 19 | M10 |
| T 11 | 21 0 | 9 59 | 1 0 | 24 17 | 1 42 | 23 24 | 0 6 | 24 39 | 4 27 | 23 6 | 0 14 | 9 32 | 2 28 | 17 59 | 0 43 | 7 13 | 1 18 | 26 51 | 5 27 | 13 7 | 13 4 | 9 31 | 14 1 | 1 19 | T 11 |
| W12 | 20 48 | 13 25 | 0n 6 | 24 8 | 1 45 | 23 24 | 0 3 | 24 45 | 4 28 | 23 4 | 0 14 | 9 33 | 2 29 | 18 0 | 0 43 | 7 14 | 1 18 | 26 52 | 5 27 | 13 7 | 13 3 | 9 29 | 14 1 | 1 19 | W12 |
| T 13 | 20 36 | 16 17 | 1 14 | 23 58 | 1 49 | 23 23 | 0 1 | 24 50 | 4 28 | 23 3 | 0 14 | 9 33 | 2 29 | 18 0 | 0 43 | 7 14 | 1 18 | 26 52 | 5 27 | 13 7 | 13 2 | 9 27 | 14 1 | 1 19 | T 13 |
| F 14 | 20 23 | 18 24 | 2 19 | 23 46 | 1 52 | 23 21 | 0s 2 | 24 56 | 4 29 | 23 2 | 0 14 | 9 34 | 2 29 | 18 1 | 0 43 | 7 15 | 1 18 | 26 52 | 5 27 | 13 6 | 13 1 | 9 25 | 14 1 | 1 19 | F 14 |
| S 15 | 20 10 | 19 31 | 3 19 | 23 33 | 1 55 | 23 19 | 0 5 | 25 1 | 4 29 | 23 0 | 0 14 | 9 34 | 2 29 | 18 2 | 0 43 | 7 15 | 1 18 | 26 53 | 5 27 | 13 5 | 13 0 | 9 23 | 14 1 | 1 19 | S 15 |
| S 16 | 19 57 | 19 25 | 4 9 | 23 18 | 1 57 | 23 16 | 0 7 | 25 6 | 4 29 | 22 59 | 0 14 | 9 35 | 2 30 | 18 2 | 0 43 | 7 16 | 1 18 | 26 53 | 5 27 | 13 2 | 12 59 | 9 21 | 14 1 | 1 19 | S 16 |
| M17 | 19 43 | 18 1 | 4 44 | 23 1 | 1 59 | 23 12 | 0 10 | 25 11 | 4 29 | 22 57 | 0 14 | 9 35 | 2 30 | 18 3 | 0 43 | 7 16 | 1 18 | 26 53 | 5 27 | 12 59 | 12 58 | 9 19 | 14 1 | 1 19 | M17 |
| T 18 | 19 29 | 15 21 | 4 59 | 22 43 | 2 1 | 23 8 | 0 12 | 25 16 | 4 29 | 22 56 | 0 14 | 9 36 | 2 30 | 18 4 | 0 43 | 7 16 | 1 19 | 26 54 | 5 27 | 12 55 | 12 57 | 9 17 | 14 1 | 1 19 | T 18 |
| W19 | 19 15 | 11 37 | 4 54 | 22 23 | 2 2 | 23 3 | 0 15 | 25 21 | 4 29 | 22 54 | 0 15 | 9 36 | 2 30 | 18 5 | 0 43 | 7 17 | 1 19 | 26 54 | 5 27 | 12 51 | 12 56 | 9 16 | 14 1 | 1 19 | W19 |
| T 20 | 19 0 | 7 8 | 4 28 | 22 1 | 2 3 | 22 57 | 0 18 | 25 25 | 4 29 | 22 53 | 0 15 | 9 36 | 2 31 | 18 5 | 0 43 | 7 17 | 1 19 | 26 54 | 5 27 | 12 47 | 12 55 | 9 14 | 14 1 | 1 19 | T 20 |
| F 21 | 18 45 | 2 15 | 3 43 | 21 38 | 2 4 | 22 50 | 0 20 | 25 29 | 4 29 | 22 51 | 0 15 | 9 36 | 2 31 | 18 6 | 0 43 | 7 18 | 1 19 | 26 54 | 5 27 | 12 44 | 12 54 | 9 12 | 14 1 | 1 19 | F 21 |
| S 22 | 18 29 | 2n40 | 2 45 | 21 13 | 2 4 | 22 43 | 0 23 | 25 33 | 4 28 | 22 50 | 0 15 | 9 37 | 2 31 | 18 7 | 0 43 | 7 18 | 1 19 | 26 55 | 5 27 | 12 43 | 12 53 | 9 10 | 14 2 | 1 19 | S 22 |
| S 23 | 18 14 | 7 17 | 1 37 | 20 47 | 2 3 | 22 35 | 0 25 | 25 37 | 4 28 | 22 48 | 0 15 | 9 37 | 2 31 | 18 8 | 0 43 | 7 19 | 1 19 | 26 55 | 5 27 | 12 42 | 12 51 | 9 8 | 14 2 | 1 19 | S 23 |
| M24 | 17 57 | 11 23 | 0 26 | 20 18 | 2 3 | 22 26 | 0 27 | 25 40 | 4 27 | 22 47 | 0 15 | 9 37 | 2 32 | 18 8 | 0 43 | 7 20 | 1 19 | 26 55 | 5 27 | 12 41 | 12 50 | 9 6 | 14 2 | 1 19 | M24 |
| T 25 | 17 41 | 14 45 | 0s45 | 19 48 | 2 1 | 22 17 | 0 30 | 25 43 | 4 26 | 22 45 | 0 15 | 9 37 | 2 32 | 18 9 | 0 43 | 7 20 | 1 19 | 26 55 | 5 27 | 12 41 | 12 49 | 9 4 | 14 2 | 1 19 | T 25 |
| W26 | 17 24 | 17 17 | 1 51 | 19 17 | 1 59 | 22 7 | 0 32 | 25 46 | 4 25 | 22 44 | 0 15 | 9 37 | 2 32 | 18 10 | 0 43 | 7 21 | 1 19 | 26 56 | 5 27 | 12 41 | 12 48 | 9 2 | 14 2 | 1 19 | W26 |
| T 27 | 17 7 | 18 53 | 2 50 | 18 43 | 1 57 | 21 56 | 0 34 | 25 49 | 4 24 | 22 42 | 0 15 | 9 37 | 2 32 | 18 11 | 0 43 | 7 21 | 1 19 | 26 56 | 5 27 | 12 40 | 12 47 | 9 0 | 14 3 | 1 19 | T 27 |
| F 28 | 16 50 | 19 32 | 3 40 | 18 8 | 1 54 | 21 45 | 0 37 | 25 51 | 4 23 | 22 40 | 0 16 | 9 37 | 2 33 | 18 11 | 0 43 | 7 22 | 1 19 | 26 56 | 5 27 | 12 39 | 12 46 | 8 58 | 14 3 | 1 19 | F 28 |
| S 29 | 16 33 | 19 15 | 4 19 | 17 31 | 1 51 | 21 33 | 0 39 | 25 54 | 4 22 | 22 39 | 0 16 | 9 37 | 2 33 | 18 12 | 0 43 | 7 22 | 1 19 | 26 56 | 5 27 | 12 36 | 12 45 | 8 57 | 14 3 | 1 19 | S 29 |
| S 30 | 16 15 | 18 4 | 4 45 | 16 53 | 1 47 | 21 20 | 0 41 | 25 56 | 4 21 | 22 37 | 0 16 | 9 37 | 2 33 | 18 13 | 0 43 | 7 23 | 1 19 | 26 57 | 5 27 | 12 32 | 12 44 | 8 55 | 14 4 | 1 19 | S 30 |
| M31 | 15s57 | 16n 6 | 4s59 | 16s13 | 1s43 | 21s 7 | 0s43 | 25n57 | 4n20 | 22s35 | 0s16 | 9s37 | 2n33 | 18n13 | 0n43 | 7n23 | 1n19 | 26n57 | 5n27 | 12s28 | 12s43 | 8n53 | 14n 4 | 1s19 | M31 |

Julian Day Number = 2069141.5, Delta T = 28m34s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°08'56, Lahiri = 9°15'57 Julian Calendar 1 Jan. 953 == Greg. Calendar 6 Jan. 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## FEBRUARY 953 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 4 17 | 17♒37'35 | 8♌20 | 22♒49 | 0♒33 | 22°R13 | 18♉25 | 1♏22 | 11°R 6 | 14°R22 | 23°R 8 | 2°R26 | 3♏20 | 24♌41 | 11♉21 | T 1 |
| W 2 | 9 8 14 | 18°37'57 | 20°14 | 24°42 | 1°47 | 21♋57 | 18°38 | 1°23 | 11♌ 3 | 14♍21 | 23♋ 7 | 2♏12 | 3°17 | 24°47 | 11°22 | W 2 |
| T 3 | 9 12 10 | 19°38'17 | 2♍ 6 | 26°35 | 3° 2 | 21°41 | 18°51 | 1°R23 | 11° 0 | 14°19 | 23° 6 | 1°59 | 3°14 | 24°54 | 11°24 | T 3 |
| F 4 | 9 16 7 | 20°38'36 | 13°57 | 28°29 | 4°17 | 21°26 | 19° 5 | 1°23 | 10°58 | 14°18 | 23° 4 | 1°48 | 3°11 | 25° 1 | 11°25 | F 4 |
| S 5 | 9 20 3 | 21°38'53 | 25°50 | 0♓22 | 5°31 | 21°12 | 19°18 | 1°23 | 10°55 | 14°16 | 23° 3 | 1°40 | 3° 7 | 25° 8 | 11°26 | S 5 |
| S 6 | 9 24 0 | 22°39'08 | 7♎47 | 2°16 | 6°46 | 20°59 | 19°30 | 1°22 | 10°53 | 14°15 | 23° 2 | 1°34 | 3° 4 | 25°14 | 11°28 | S 6 |
| M 7 | 9 27 56 | 23°39'21 | 19°50 | 4° 8 | 8° 1 | 20°46 | 19°43 | 1°22 | 10°50 | 14°13 | 23° 1 | 1°32 | 3° 1 | 25°21 | 11°29 | M 7 |
| T 8 | 9 31 53 | 24°39'33 | 2♏ 5 | 6° 0 | 9°15 | 20°34 | 19°56 | 1°22 | 10°48 | 14°12 | 23° 0 | 1°D31 | 2°58 | 25°28 | 11°31 | T 8 |
| W 9 | 9 35 50 | 25°39'43 | 14°35 | 7°51 | 10°30 | 20°23 | 20° 9 | 1°21 | 10°45 | 14°10 | 22°59 | 1°32 | 2°55 | 25°34 | 11°32 | W 9 |
| T 10 | 9 39 46 | 26°39'52 | 27°25 | 9°41 | 11°45 | 20°13 | 20°22 | 1°21 | 10°42 | 14° 9 | 22°57 | 1°R32 | 2°52 | 25°41 | 11°34 | T 10 |
| F 11 | 9 43 43 | 27°39'59 | 10♐39 | 11°29 | 12°59 | 20° 3 | 20°34 | 1°20 | 10°40 | 14° 7 | 22°56 | 1°31 | 2°48 | 25°48 | 11°36 | F 11 |
| S 12 | 9 47 39 | 28°40'05 | 24°21 | 13°14 | 14°14 | 19°55 | 20°47 | 1°19 | 10°38 | 14° 5 | 22°55 | 1°28 | 2°45 | 25°55 | 11°38 | S 12 |
| S 13 | 9 51 36 | 29°40'09 | 8♑33 | 14°57 | 15°29 | 19°47 | 21° 0 | 1°18 | 10°35 | 14° 4 | 22°54 | 1°23 | 2°42 | 26° 1 | 11°39 | S 13 |
| M14 | 9 55 32 | 0♓40'11 | 23°11 | 16°36 | 16°43 | 19°40 | 21°12 | 1°17 | 10°33 | 14° 2 | 22°53 | 1°16 | 2°39 | 26° 8 | 11°41 | M14 |
| T 15 | 9 59 29 | 1°40'12 | 8♒13 | 18°12 | 17°58 | 19°33 | 21°24 | 1°16 | 10°30 | 14° 1 | 22°52 | 1° 7 | 2°36 | 26°15 | 11°43 | T 15 |
| W16 | 10 3 25 | 2°40'10 | 23°29 | 19°43 | 19°13 | 19°28 | 21°37 | 1°15 | 10°28 | 13°59 | 22°51 | 0°58 | 2°32 | 26°21 | 11°45 | W16 |
| T 17 | 10 7 22 | 3°40'07 | 8♓48 | 21° 9 | 20°27 | 19°23 | 21°49 | 1°13 | 10°26 | 13°57 | 22°50 | 0°49 | 2°29 | 26°28 | 11°48 | T 17 |
| F 18 | 10 11 19 | 4°40'02 | 24° 0 | 22°30 | 21°42 | 19°19 | 22° 1 | 1°12 | 10°23 | 13°56 | 22°49 | 0°43 | 2°26 | 26°35 | 11°50 | F 18 |
| S 19 | 10 15 15 | 5°39'54 | 8♈53 | 23°45 | 22°57 | 19°16 | 22°13 | 1°11 | 10°21 | 13°54 | 22°48 | 0°38 | 2°23 | 26°42 | 11°52 | S 19 |
| S 20 | 10 19 12 | 6°39'44 | 23°22 | 24°54 | 24°11 | 19°13 | 22°25 | 1° 9 | 10°19 | 13°52 | 22°47 | 0°36 | 2°20 | 26°48 | 11°54 | S 20 |
| M21 | 10 23 8 | 7°39'32 | 7♉22 | 25°56 | 25°26 | 19°12 | 22°37 | 1° 7 | 10°16 | 13°51 | 22°46 | 0°D36 | 2°17 | 26°55 | 11°56 | M21 |
| T 22 | 10 27 5 | 8°39'18 | 20°55 | 26°50 | 26°40 | 19°11 | 22°49 | 1° 5 | 10°14 | 13°49 | 22°45 | 0°37 | 2°13 | 27° 2 | 11°59 | T 22 |
| W23 | 10 31 1 | 9°39'02 | 4♊ 1 | 27°37 | 27°55 | 19°D11 | 23° 1 | 1° 4 | 10°12 | 13°47 | 22°44 | 0°R38 | 2°10 | 27° 8 | 12° 1 | W23 |
| T 24 | 10 34 58 | 10°38'43 | 16°45 | 28°17 | 29° 9 | 19°11 | 23°13 | 1° 2 | 10°10 | 13°46 | 22°44 | 0°38 | 2° 7 | 27°15 | 12° 4 | T 24 |
| F 25 | 10 38 54 | 11°38'22 | 29°11 | 28°48 | 0♓24 | 19°13 | 23°24 | 0°59 | 10° 8 | 13°44 | 22°43 | 0°36 | 2° 4 | 27°22 | 12° 6 | F 25 |
| S 26 | 10 42 51 | 12°37'58 | 11♋23 | 29°11 | 1°39 | 19°15 | 23°36 | 0°57 | 10° 6 | 13°42 | 22°42 | 0°32 | 2° 1 | 27°28 | 12° 9 | S 26 |
| S 27 | 10 46 48 | 13°37'32 | 23°25 | 29°25 | 2°53 | 19°18 | 23°47 | 0°55 | 10° 3 | 13°41 | 22°41 | 0°26 | 1°57 | 27°35 | 12°11 | S 27 |
| M28 | 10 50 44 | 14♓37'04 | 5♌20 | 29°R32 | 4♓ 8 | 19♋21 | 23♉59 | 0♏53 | 10♌ 1 | 13♍39 | 22♋40 | 0♏19 | 1♏54 | 27♌42 | 12♉14 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15s38 | 13n28 | 4s59 | 15s31 | 1s37 | 20s53 | 0s45 | 25n59 | 4n19 | 22s34 | 0s16 | 9s37 | 2n34 | 18n14 | 0n43 | 7n24 | 1n19 | 26n57 | 5n27 | 12s23 | 12s42 | 8n51 | 14n 4 | 1s19 | T 1 |
| W 2 | 15 20 | 10 18 | 4 46 | 14 48 | 1 32 | 20 39 | 0 48 | 26 0 | 4 17 | 22 32 | 0 16 | 9 37 | 2 34 | 18 15 | 0 43 | 7 25 | 1 19 | 26 57 | 5 27 | 12 18 | 12 41 | 8 49 | 14 5 | 1 19 | W 2 |
| T 3 | 15 1 | 6 44 | 4 21 | 14 3 | 1 25 | 20 24 | 0 50 | 26 1 | 4 16 | 22 30 | 0 16 | 9 37 | 2 34 | 18 16 | 0 43 | 7 25 | 1 19 | 26 58 | 5 27 | 12 14 | 12 40 | 8 47 | 14 5 | 1 19 | T 3 |
| F 4 | 14 41 | 2 54 | 3 44 | 13 17 | 1 18 | 20 8 | 0 52 | 26 2 | 4 14 | 22 29 | 0 16 | 9 37 | 2 34 | 18 16 | 0 43 | 7 26 | 1 19 | 26 58 | 5 27 | 12 10 | 12 38 | 8 45 | 14 5 | 1 19 | F 4 |
| S 5 | 14 22 | 1s 3 | 2 57 | 12 30 | 1 11 | 19 52 | 0 54 | 26 3 | 4 13 | 22 27 | 0 17 | 9 36 | 2 35 | 18 17 | 0 43 | 7 26 | 1 19 | 26 58 | 5 28 | 12 7 | 12 37 | 8 43 | 14 6 | 1 19 | S 5 |
| S 6 | 14 2 | 4 59 | 2 3 | 11 42 | 1 2 | 19 35 | 0 55 | 26 4 | 4 11 | 22 25 | 0 17 | 9 36 | 2 35 | 18 18 | 0 43 | 7 27 | 1 19 | 26 58 | 5 28 | 12 5 | 12 36 | 8 41 | 14 6 | 1 19 | S 6 |
| M 7 | 13 43 | 8 45 | 1 2 | 10 52 | 0 53 | 19 17 | 0 57 | 26 4 | 4 10 | 22 23 | 0 17 | 9 36 | 2 35 | 18 18 | 0 43 | 7 28 | 1 19 | 26 58 | 5 28 | 12 4 | 12 35 | 8 39 | 14 7 | 1 19 | M 7 |
| T 8 | 13 23 | 12 13 | 0n 3 | 10 2 | 0 44 | 18 59 | 0 59 | 26 4 | 4 8 | 22 22 | 0 17 | 9 35 | 2 35 | 18 19 | 0 43 | 7 28 | 1 19 | 26 59 | 5 27 | 12 4 | 12 34 | 8 37 | 14 7 | 1 19 | T 8 |
| W 9 | 13 2 | 15 12 | 1 9 | 9 11 | 0 34 | 18 41 | 1 1 | 26 4 | 4 6 | 22 20 | 0 17 | 9 35 | 2 35 | 18 20 | 0 43 | 7 29 | 1 19 | 26 59 | 5 27 | 12 4 | 12 33 | 8 36 | 14 8 | 1 19 | W 9 |
| T 10 | 12 42 | 17 32 | 2 13 | 8 20 | 0 23 | 18 22 | 1 3 | 26 4 | 4 4 | 22 18 | 0 17 | 9 34 | 2 36 | 18 21 | 0 43 | 7 30 | 1 19 | 26 59 | 5 27 | 12 4 | 12 32 | 8 34 | 14 8 | 1 19 | T 10 |
| F 11 | 12 21 | 18 59 | 3 13 | 7 28 | 0 11 | 18 2 | 1 4 | 26 4 | 4 3 | 22 16 | 0 17 | 9 34 | 2 36 | 18 21 | 0 43 | 7 30 | 1 19 | 26 59 | 5 27 | 12 4 | 12 31 | 8 32 | 14 9 | 1 19 | F 11 |
| S 12 | 12 0 | 19 24 | 4 3 | 6 37 | 0n 1 | 17 42 | 1 6 | 26 3 | 4 1 | 22 15 | 0 17 | 9 33 | 2 36 | 18 22 | 0 43 | 7 31 | 1 19 | 26 59 | 5 27 | 12 3 | 12 30 | 8 30 | 14 9 | 1 19 | S 12 |
| S 13 | 11 39 | 18 38 | 4 41 | 5 46 | 0 13 | 17 21 | 1 7 | 26 3 | 3 59 | 22 13 | 0 18 | 9 33 | 2 36 | 18 23 | 0 43 | 7 31 | 1 19 | 27 0 | 5 27 | 12 1 | 12 29 | 8 28 | 14 10 | 1 19 | S 13 |
| M14 | 11 18 | 16 37 | 5 1 | 4 55 | 0 26 | 17 0 | 1 9 | 26 2 | 3 57 | 22 11 | 0 18 | 9 32 | 2 37 | 18 23 | 0 43 | 7 32 | 1 19 | 27 0 | 5 27 | 11 59 | 12 28 | 8 26 | 14 10 | 1 19 | M14 |
| T 15 | 10 56 | 13 27 | 5 2 | 4 6 | 0 39 | 16 39 | 1 10 | 26 1 | 3 55 | 22 9 | 0 18 | 9 32 | 2 37 | 18 24 | 0 43 | 7 33 | 1 19 | 27 0 | 5 27 | 11 56 | 12 26 | 8 24 | 14 11 | 1 19 | T 15 |
| W16 | 10 35 | 9 20 | 4 41 | 3 17 | 0 53 | 16 17 | 1 12 | 26 0 | 3 53 | 22 7 | 0 18 | 9 31 | 2 37 | 18 24 | 0 43 | 7 33 | 1 19 | 27 0 | 5 27 | 11 52 | 12 25 | 8 22 | 14 12 | 1 19 | W16 |
| T 17 | 10 13 | 4 36 | 4 1 | 2 31 | 1 6 | 15 54 | 1 13 | 25 58 | 3 51 | 22 6 | 0 18 | 9 30 | 2 37 | 18 25 | 0 43 | 7 34 | 1 19 | 27 0 | 5 27 | 11 49 | 12 24 | 8 20 | 14 12 | 1 19 | T 17 |
| F 18 | 9 51 | 0n24 | 3 3 | 1 46 | 1 20 | 15 31 | 1 14 | 25 57 | 3 49 | 22 4 | 0 18 | 9 30 | 2 38 | 18 26 | 0 43 | 7 35 | 1 19 | 27 0 | 5 27 | 11 47 | 12 23 | 8 18 | 14 13 | 1 19 | F 18 |
| S 19 | 9 29 | 5 17 | 1 54 | 1 3 | 1 34 | 15 8 | 1 16 | 25 55 | 3 47 | 22 2 | 0 18 | 9 29 | 2 38 | 18 26 | 0 43 | 7 35 | 1 19 | 27 1 | 5 27 | 11 46 | 12 22 | 8 16 | 14 14 | 1 19 | S 19 |
| S 20 | 9 7 | 9 43 | 0 39 | 0 24 | 1 48 | 14 44 | 1 17 | 25 54 | 3 45 | 22 0 | 0 19 | 9 28 | 2 38 | 18 27 | 0 43 | 7 36 | 1 19 | 27 1 | 5 27 | 11 45 | 12 21 | 8 15 | 14 14 | 1 19 | S 20 |
| M21 | 8 45 | 13 29 | 0s36 | 0n13 | 2 1 | 14 20 | 1 18 | 25 52 | 3 43 | 21 58 | 0 19 | 9 27 | 2 38 | 18 28 | 0 43 | 7 37 | 1 19 | 27 1 | 5 27 | 11 45 | 12 20 | 8 13 | 14 15 | 1 19 | M21 |
| T 22 | 8 22 | 16 22 | 1 47 | 0 47 | 2 14 | 13 56 | 1 19 | 25 50 | 3 41 | 21 56 | 0 19 | 9 27 | 2 38 | 18 28 | 0 43 | 7 37 | 1 19 | 27 1 | 5 27 | 11 45 | 12 19 | 8 11 | 14 16 | 1 19 | T 22 |
| W23 | 8 0 | 18 17 | 2 50 | 1 17 | 2 26 | 13 31 | 1 20 | 25 48 | 3 39 | 21 55 | 0 19 | 9 26 | 2 39 | 18 29 | 0 43 | 7 38 | 1 20 | 27 1 | 5 27 | 11 45 | 12 18 | 8 9 | 14 16 | 1 19 | W23 |
| T 24 | 7 37 | 19 13 | 3 42 | 1 44 | 2 38 | 13 5 | 1 21 | 25 46 | 3 37 | 21 53 | 0 19 | 9 25 | 2 39 | 18 29 | 0 43 | 7 39 | 1 20 | 27 1 | 5 27 | 11 45 | 12 17 | 8 7 | 14 17 | 1 19 | T 24 |
| F 25 | 7 14 | 19 11 | 4 23 | 2 6 | 2 49 | 12 40 | 1 21 | 25 44 | 3 35 | 21 51 | 0 19 | 9 24 | 2 39 | 18 30 | 0 43 | 7 39 | 1 20 | 27 1 | 5 27 | 11 45 | 12 15 | 8 5 | 14 18 | 1 19 | F 25 |
| S 26 | 6 51 | 18 15 | 4 51 | 2 25 | 2 59 | 12 14 | 1 22 | 25 42 | 3 33 | 21 49 | 0 19 | 9 23 | 2 39 | 18 30 | 0 43 | 7 40 | 1 20 | 27 1 | 5 27 | 11 43 | 12 14 | 8 3 | 14 19 | 1 19 | S 26 |
| S 27 | 6 28 | 16 31 | 5 5 | 2 39 | 3 8 | 11 47 | 1 23 | 25 39 | 3 31 | 21 47 | 0 20 | 9 22 | 2 39 | 18 31 | 0 43 | 7 40 | 1 20 | 27 1 | 5 27 | 11 41 | 12 13 | 8 1 | 14 20 | 1 19 | S 27 |
| M28 | 6s 5 | 14n 5 | 5s 6 | 2n49 | 3n16 | 11s21 | 1s24 | 25n37 | 3n29 | 21s45 | 0s20 | 9s21 | 2n40 | 18n32 | 0n43 | 7n41 | 1n20 | 27n 2 | 5n27 | 11s39 | 12s12 | 7n59 | 14n20 | 1s19 | M28 |

Julian Day Number = 2069172.5, Delta T = 28m34s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'01, Lahiri = 9°16'01 Julian Calendar 1 Feb. 953 == Greg. Calendar 6 Feb. 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## MARCH 953 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 54 41 | 15♓36'34 | 17♌12 | 29°R30 | 5♓22 | 19♋25 | 24♑10 | 0°R50 | 9°R59 | 13°R37 | 22°R40 | 0°R10 | 1♏51 | 27♌49 | 12♉17 | T 1 |
| W 2 | 10 58 37 | 16°36'01 | 29° 4 | 29♓21 | 6°36 | 19°30 | 24°21 | 0♏48 | 9♌57 | 13♍36 | 22♋39 | 0♏ 2 | 1°48 | 27°55 | 12°20 | W 2 |
| T 3 | 11 2 34 | 17°35'26 | 10♍56 | 29° 4 | 7°51 | 19°35 | 24°32 | 0°45 | 9°56 | 13°34 | 22°38 | 29♎54 | 1°45 | 28° 2 | 12°23 | T 3 |
| F 4 | 11 6 30 | 18°34'49 | 22°51 | 28°40 | 9° 5 | 19°41 | 24°43 | 0°42 | 9°54 | 13°33 | 22°37 | 29°47 | 1°42 | 28° 9 | 12°25 | F 4 |
| S 5 | 11 10 27 | 19°34'10 | 4♎50 | 28°10 | 10°20 | 19°48 | 24°54 | 0°40 | 9°52 | 13°31 | 22°37 | 29°42 | 1°38 | 28°15 | 12°28 | S 5 |
| S 6 | 11 14 23 | 20°33'29 | 16°55 | 27°35 | 11°34 | 19°56 | 25° 5 | 0°37 | 9°50 | 13°29 | 22°36 | 29°39 | 1°35 | 28°22 | 12°31 | S 6 |
| M 7 | 11 18 20 | 21°32'46 | 29° 8 | 26°54 | 12°49 | 20° 4 | 25°16 | 0°34 | 9°48 | 13°28 | 22°36 | 29°D39 | 1°32 | 28°29 | 12°34 | M 7 |
| T 8 | 11 22 16 | 22°32'01 | 11♏32 | 26°10 | 14° 3 | 20°12 | 25°27 | 0°31 | 9°47 | 13°26 | 22°35 | 29°39 | 1°29 | 28°36 | 12°37 | T 8 |
| W 9 | 11 26 13 | 23°31'14 | 24° 9 | 25°23 | 15°17 | 20°21 | 25°37 | 0°28 | 9°45 | 13°24 | 22°34 | 29°41 | 1°26 | 28°42 | 12°40 | W 9 |
| T 10 | 11 30 10 | 24°30'25 | 7♐ 3 | 24°34 | 16°32 | 20°31 | 25°48 | 0°25 | 9°43 | 13°23 | 22°34 | 29°42 | 1°23 | 28°49 | 12°44 | T 10 |
| F 11 | 11 34 6 | 25°29'35 | 20°17 | 23°44 | 17°46 | 20°41 | 25°58 | 0°21 | 9°42 | 13°21 | 22°33 | 29°R43 | 1°19 | 28°56 | 12°47 | F 11 |
| S 12 | 11 38 3 | 26°28'43 | 3♑53 | 22°54 | 19° 1 | 20°52 | 26° 8 | 0°18 | 9°40 | 13°19 | 22°33 | 29°43 | 1°16 | 29° 2 | 12°50 | S 12 |
| S 13 | 11 41 59 | 27°27'49 | 17°53 | 22° 5 | 20°15 | 21° 4 | 26°18 | 0°15 | 9°39 | 13°18 | 22°32 | 29°42 | 1°13 | 29° 9 | 12°53 | S 13 |
| M14 | 11 45 56 | 28°26'53 | 2♒16 | 21°18 | 21°29 | 21°16 | 26°28 | 0°11 | 9°37 | 13°16 | 22°32 | 29°39 | 1°10 | 29°16 | 12°57 | M14 |
| T 15 | 11 49 52 | 29°25'55 | 16°59 | 20°34 | 22°44 | 21°28 | 26°38 | 0° 8 | 9°36 | 13°15 | 22°31 | 29°35 | 1° 7 | 29°22 | 13° 0 | T 15 |
| W16 | 11 53 49 | 0♈24'56 | 1♓58 | 19°53 | 23°58 | 21°41 | 26°48 | 0° 4 | 9°34 | 13°13 | 22°31 | 29°31 | 1° 3 | 29°29 | 13° 3 | W16 |
| T 17 | 11 57 45 | 1°23'54 | 17° 2 | 19°16 | 25°12 | 21°55 | 26°58 | 0° 1 | 9°33 | 13°11 | 22°31 | 29°27 | 1° 0 | 29°36 | 13° 7 | T 17 |
| F 18 | 12 1 42 | 2°22'50 | 2♈ 5 | 18°44 | 26°27 | 22° 9 | 27° 7 | 29♎57 | 9°32 | 13°10 | 22°30 | 29°24 | 0°57 | 29°43 | 13°10 | F 18 |
| S 19 | 12 5 39 | 3°21'45 | 16°55 | 18°17 | 27°41 | 22°23 | 27°17 | 29°53 | 9°30 | 13° 8 | 22°30 | 29°22 | 0°54 | 29°49 | 13°14 | S 19 |
| S 20 | 12 9 35 | 4°20'37 | 1♉26 | 17°54 | 28°55 | 22°38 | 27°26 | 29°49 | 9°29 | 13° 7 | 22°30 | 29°D21 | 0°51 | 29°56 | 13°17 | S 20 |
| M21 | 12 13 32 | 5°19'27 | 15°33 | 17°37 | 0♈ 9 | 22°54 | 27°35 | 29°46 | 9°28 | 13° 5 | 22°29 | 29°22 | 0°48 | 0♍ 3 | 13°21 | M21 |
| T 22 | 12 17 28 | 6°18'15 | 29°13 | 17°26 | 1°24 | 23° 9 | 27°44 | 29°42 | 9°27 | 13° 4 | 22°29 | 29°23 | 0°44 | 0° 9 | 13°24 | T 22 |
| W23 | 12 21 25 | 7°17'01 | 12♊28 | 17°19 | 2°38 | 23°26 | 27°53 | 29°38 | 9°26 | 13° 2 | 22°29 | 29°25 | 0°41 | 0°16 | 13°28 | W23 |
| T 24 | 12 25 21 | 8°15'44 | 25°18 | 17°D18 | 3°52 | 23°43 | 28° 2 | 29°34 | 9°25 | 13° 1 | 22°29 | 29°26 | 0°38 | 0°23 | 13°32 | T 24 |
| F 25 | 12 29 18 | 9°14'25 | 7♋48 | 17°23 | 5° 6 | 24° 0 | 28°11 | 29°30 | 9°24 | 12°59 | 22°29 | 29°R27 | 0°35 | 0°30 | 13°35 | F 25 |
| S 26 | 12 33 14 | 10°13'04 | 20° 1 | 17°32 | 6°20 | 24°17 | 28°19 | 29°26 | 9°23 | 12°58 | 22°29 | 29°26 | 0°32 | 0°36 | 13°39 | S 26 |
| S 27 | 12 37 11 | 11°11'40 | 2♌ 3 | 17°46 | 7°35 | 24°36 | 28°28 | 29°21 | 9°22 | 12°57 | 22°28 | 29°25 | 0°28 | 0°43 | 13°43 | S 27 |
| M28 | 12 41 7 | 12°10'15 | 13°57 | 18° 5 | 8°49 | 24°54 | 28°36 | 29°17 | 9°21 | 12°55 | 22°28 | 29°23 | 0°25 | 0°50 | 13°47 | M28 |
| T 29 | 12 45 4 | 13° 8'47 | 25°49 | 18°29 | 10° 3 | 25°13 | 28°44 | 29°13 | 9°21 | 12°54 | 22°28 | 29°21 | 0°22 | 0°56 | 13°51 | T 29 |
| W30 | 12 49 1 | 14° 7'17 | 7♍40 | 18°57 | 11°17 | 25°32 | 28°52 | 29° 9 | 9°20 | 12°52 | 22°28 | 29°18 | 0°19 | 1° 3 | 13°54 | W30 |
| T 31 | 12 52 57 | 15♈ 5'44 | 19♍34 | 19♓29 | 12♈31 | 25♋52 | 29♑ 0 | 29♎ 4 | 9♌19 | 12♍51 | 22°D28 | 29♎16 | 0♏16 | 1♍10 | 13♉58 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s42 | 11n 5 | 4s54 | 2n54 | 3n23 | 10s54 | 1s24 | 25n34 | 3n27 | 21s43 | 0s20 | 9s20 | 2n40 | 18n32 | 0n43 | 7n42 | 1n20 | 27n 2 | 5n27 | 11s36 | 12s11 | 7n57 | 14n21 | 1s19 |
| W 2 | 5 19 | 7 39 | 4 30 | 2 55 | 3 28 | 10 27 | 1 25 | 25 31 | 3 25 | 21 42 | 0 20 | 9 19 | 2 40 | 18 33 | 0 43 | 7 42 | 1 20 | 27 2 | 5 27 | 11 33 | 12 10 | 7 55 | 14 22 | 1 19 |
| T 3 | 4 56 | 3 55 | 3 53 | 2 51 | 3 31 | 9 59 | 1 25 | 25 28 | 3 23 | 21 40 | 0 20 | 9 18 | 2 40 | 18 33 | 0 43 | 7 43 | 1 20 | 27 2 | 5 27 | 11 30 | 12 9 | 7 53 | 14 23 | 1 19 |
| F 4 | 4 32 | 0 0 | 3 6 | 2 44 | 3 33 | 9 32 | 1 26 | 25 26 | 3 21 | 21 38 | 0 20 | 9 17 | 2 40 | 18 34 | 0 43 | 7 44 | 1 20 | 27 2 | 5 27 | 11 27 | 12 8 | 7 52 | 14 24 | 1 19 |
| S 5 | 4 9 | 3s56 | 2 11 | 2 32 | 3 33 | 9 4 | 1 26 | 25 23 | 3 19 | 21 36 | 0 20 | 9 16 | 2 41 | 18 34 | 0 43 | 7 44 | 1 20 | 27 2 | 5 27 | 11 26 | 12 7 | 7 50 | 14 25 | 1 19 |
| S 6 | 3 46 | 7 44 | 1 9 | 2 16 | 3 32 | 8 35 | 1 26 | 25 19 | 3 17 | 21 34 | 0 21 | 9 14 | 2 41 | 18 34 | 0 43 | 7 45 | 1 20 | 27 2 | 5 27 | 11 25 | 12 5 | 7 48 | 14 25 | 1 19 |
| M 7 | 3 22 | 11 16 | 0 3 | 1 57 | 3 28 | 8 7 | 1 26 | 25 16 | 3 15 | 21 33 | 0 21 | 9 13 | 2 41 | 18 35 | 0 43 | 7 46 | 1 20 | 27 2 | 5 27 | 11 24 | 12 4 | 7 46 | 14 26 | 1 19 |
| T 8 | 2 59 | 14 21 | 1n 4 | 1 34 | 3 23 | 7 38 | 1 27 | 25 13 | 3 13 | 21 31 | 0 21 | 9 12 | 2 41 | 18 35 | 0 43 | 7 46 | 1 20 | 27 2 | 5 27 | 11 25 | 12 3 | 7 44 | 14 27 | 1 19 |
| W 9 | 2 35 | 16 49 | 2 10 | 1 9 | 3 16 | 7 9 | 1 27 | 25 10 | 3 11 | 21 29 | 0 21 | 9 11 | 2 41 | 18 36 | 0 43 | 7 47 | 1 20 | 27 2 | 5 27 | 11 25 | 12 2 | 7 42 | 14 28 | 1 19 |
| T 10 | 2 12 | 18 29 | 3 10 | 0 42 | 3 7 | 6 40 | 1 27 | 25 6 | 3 9 | 21 27 | 0 21 | 9 10 | 2 41 | 18 36 | 0 43 | 7 48 | 1 20 | 27 2 | 5 26 | 11 26 | 12 1 | 7 40 | 14 29 | 1 19 |
| F 11 | 1 48 | 19 12 | 4 2 | 0 12 | 2 57 | 6 11 | 1 27 | 25 3 | 3 7 | 21 25 | 0 21 | 9 8 | 2 42 | 18 37 | 0 43 | 7 48 | 1 20 | 27 2 | 5 26 | 11 26 | 12 0 | 7 38 | 14 30 | 1 19 |
| S 12 | 1 24 | 18 49 | 4 42 | 0s18 | 2 46 | 5 42 | 1 26 | 24 59 | 3 5 | 21 24 | 0 22 | 9 7 | 2 42 | 18 37 | 0 43 | 7 49 | 1 20 | 27 2 | 5 26 | 11 26 | 11 59 | 7 36 | 14 31 | 1 19 |
| S 13 | 1 1 | 17 19 | 5 6 | 0 49 | 2 33 | 5 12 | 1 26 | 24 55 | 3 3 | 21 22 | 0 22 | 9 6 | 2 42 | 18 37 | 0 43 | 7 49 | 1 20 | 27 2 | 5 26 | 11 26 | 11 58 | 7 34 | 14 32 | 1 19 |
| M14 | 0 37 | 14 42 | 5 12 | 1 20 | 2 19 | 4 43 | 1 26 | 24 52 | 3 1 | 21 20 | 0 22 | 9 4 | 2 42 | 18 38 | 0 43 | 7 50 | 1 20 | 27 2 | 5 26 | 11 25 | 11 57 | 7 32 | 14 33 | 1 19 |
| T 15 | 0 14 | 11 5 | 4 58 | 1 51 | 2 5 | 4 13 | 1 26 | 24 48 | 2 59 | 21 18 | 0 22 | 9 3 | 2 42 | 18 38 | 0 43 | 7 51 | 1 20 | 27 2 | 5 26 | 11 23 | 11 56 | 7 30 | 14 34 | 1 19 |
| W16 | 0n10 | 6 43 | 4 24 | 2 21 | 1 49 | 3 43 | 1 25 | 24 44 | 2 57 | 21 17 | 0 22 | 9 2 | 2 42 | 18 39 | 0 43 | 7 51 | 1 20 | 27 2 | 5 26 | 11 22 | 11 54 | 7 28 | 14 35 | 1 19 |
| T 17 | 0 34 | 1 54 | 3 31 | 2 50 | 1 34 | 3 13 | 1 25 | 24 40 | 2 55 | 21 15 | 0 22 | 9 0 | 2 42 | 18 39 | 0 43 | 7 52 | 1 20 | 27 2 | 5 26 | 11 20 | 11 53 | 7 26 | 14 36 | 1 19 |
| F 18 | 0 57 | 3n 2 | 2 24 | 3 17 | 1 18 | 2 43 | 1 24 | 24 36 | 2 54 | 21 13 | 0 23 | 8 59 | 2 43 | 18 39 | 0 43 | 7 52 | 1 20 | 27 2 | 5 26 | 11 19 | 11 52 | 7 25 | 14 37 | 1 19 |
| S 19 | 1 21 | 7 44 | 1 8 | 3 43 | 1 2 | 2 13 | 1 24 | 24 31 | 2 52 | 21 11 | 0 23 | 8 57 | 2 43 | 18 39 | 0 43 | 7 53 | 1 20 | 27 2 | 5 26 | 11 19 | 11 51 | 7 23 | 14 38 | 1 19 |
| S 20 | 1 44 | 11 52 | 0s11 | 4 6 | 0 46 | 1 42 | 1 23 | 24 27 | 2 50 | 21 10 | 0 23 | 8 56 | 2 43 | 18 40 | 0 43 | 7 54 | 1 20 | 27 2 | 5 26 | 11 18 | 11 50 | 7 21 | 14 39 | 1 20 |
| M21 | 2 8 | 15 11 | 1 28 | 4 28 | 0 30 | 1 12 | 1 23 | 24 23 | 2 48 | 21 8 | 0 23 | 8 55 | 2 43 | 18 40 | 0 43 | 7 54 | 1 20 | 27 2 | 5 26 | 11 19 | 11 49 | 7 19 | 14 40 | 1 20 |
| T 22 | 2 31 | 17 32 | 2 37 | 4 46 | 0 14 | 0 42 | 1 22 | 24 18 | 2 46 | 21 7 | 0 23 | 8 53 | 2 43 | 18 40 | 0 43 | 7 55 | 1 20 | 27 2 | 5 26 | 11 19 | 11 48 | 7 17 | 14 41 | 1 20 |
| W23 | 2 54 | 18 51 | 3 36 | 5 3 | 0s 1 | 0 11 | 1 21 | 24 14 | 2 44 | 21 5 | 0 23 | 8 52 | 2 43 | 18 41 | 0 43 | 7 55 | 1 20 | 27 2 | 5 26 | 11 20 | 11 47 | 7 15 | 14 42 | 1 20 |
| T 24 | 3 18 | 19 8 | 4 21 | 5 17 | 0 16 | 0n19 | 1 20 | 24 9 | 2 43 | 21 3 | 0 24 | 8 50 | 2 43 | 18 41 | 0 43 | 7 56 | 1 20 | 27 2 | 5 26 | 11 20 | 11 45 | 7 13 | 14 43 | 1 20 |
| F 25 | 3 41 | 18 28 | 4 53 | 5 28 | 0 30 | 0 50 | 1 19 | 24 4 | 2 41 | 21 2 | 0 24 | 8 49 | 2 43 | 18 41 | 0 43 | 7 56 | 1 20 | 27 2 | 5 25 | 11 20 | 11 44 | 7 11 | 14 44 | 1 20 |
| S 26 | 4 4 | 16 56 | 5 11 | 5 37 | 0 43 | 1 20 | 1 18 | 23 59 | 2 39 | 21 0 | 0 24 | 8 47 | 2 43 | 18 41 | 0 42 | 7 57 | 1 20 | 27 2 | 5 25 | 11 20 | 11 43 | 7 9 | 14 45 | 1 20 |
| S 27 | 4 27 | 14 42 | 5 15 | 5 43 | 0 56 | 1 50 | 1 17 | 23 54 | 2 38 | 20 59 | 0 24 | 8 46 | 2 43 | 18 41 | 0 42 | 7 58 | 1 20 | 27 2 | 5 25 | 11 20 | 11 42 | 7 7 | 14 47 | 1 20 |
| M28 | 4 50 | 11 51 | 5 5 | 5 47 | 1 9 | 2 21 | 1 16 | 23 49 | 2 36 | 20 57 | 0 24 | 8 44 | 2 44 | 18 42 | 0 42 | 7 58 | 1 19 | 27 2 | 5 25 | 11 19 | 11 41 | 7 5 | 14 48 | 1 20 |
| T 29 | 5 13 | 8 33 | 4 43 | 5 49 | 1 20 | 2 51 | 1 15 | 23 44 | 2 34 | 20 56 | 0 24 | 8 42 | 2 44 | 18 42 | 0 42 | 7 59 | 1 19 | 27 2 | 5 25 | 11 18 | 11 40 | 7 3 | 14 49 | 1 20 |
| W30 | 5 36 | 4 55 | 4 8 | 5 48 | 1 31 | 3 21 | 1 14 | 23 39 | 2 32 | 20 54 | 0 25 | 8 41 | 2 44 | 18 42 | 0 42 | 7 59 | 1 19 | 27 2 | 5 25 | 11 17 | 11 39 | 7 1 | 14 50 | 1 20 |
| T 31 | 5n59 | 1n 3 | 3s22 | 5s44 | 1s41 | 3n52 | 1s13 | 23n34 | 2n31 | 20s53 | 0s25 | 8s39 | 2n44 | 18n42 | 0n42 | 8n 0 | 1n19 | 27n 2 | 5n25 | 11s17 | 11s38 | 6n59 | 14n51 | 1s20 |

Julian Day Number = 2069200.5, Delta T = 28m33s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'04, Lahiri = 9°16'05 Julian Calendar 1 March 953 == Greg. Calendar 6 March 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## APRIL 953 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 56 54 | 16♈ 4'10 | 1♎35 | 20♓ 5 | 13♈45 | 26♋11 | 29♉ 8 | 29°R 0 | 9°R19 | 12°R50 | 22♋28 | 29°R15 | 0♏13 | 1♍16 | 14♉ 2 | F 1 |
| S 2 | 13 0 50 | 17° 2'34 | 13°43 | 20°45 | 14°59 | 26°32 | 29°15 | 28♎56 | 9♌18 | 12♍48 | 22°28 | 29♎13 | 0° 9 | 1°23 | 14° 6 | S 2 |
| S 3 | 13 4 47 | 18° 0'55 | 26° 1 | 21°29 | 16°13 | 26°52 | 29°23 | 28°51 | 9°18 | 12°47 | 22°28 | 29°D13 | 0° 6 | 1°30 | 14°10 | S 3 |
| M 4 | 13 8 43 | 18°59'15 | 8♏29 | 22°16 | 17°27 | 27°13 | 29°30 | 28°47 | 9°17 | 12°46 | 22°29 | 29°13 | 0° 3 | 1°37 | 14°14 | M 4 |
| T 5 | 13 12 40 | 19°57'33 | 21°10 | 23° 7 | 18°41 | 27°35 | 29°37 | 28°43 | 9°17 | 12°45 | 22°29 | 29°14 | 29♎59 | 1°43 | 14°18 | T 5 |
| W 6 | 13 16 36 | 20°55'50 | 4♐ 4 | 24° 1 | 19°55 | 27°56 | 29°44 | 28°38 | 9°17 | 12°43 | 22°29 | 29°14 | 29°57 | 1°50 | 14°22 | W 6 |
| T 7 | 13 20 33 | 21°54'05 | 17°12 | 24°58 | 21°10 | 28°18 | 29°51 | 28°34 | 9°16 | 12°42 | 22°29 | 29°15 | 29°54 | 1°57 | 14°26 | T 7 |
| F 8 | 13 24 30 | 22°52'18 | 0♑36 | 25°58 | 22°24 | 28°41 | 29°58 | 28°29 | 9°16 | 12°41 | 22°29 | 29°16 | 29°50 | 2° 3 | 14°30 | F 8 |
| S 9 | 13 28 26 | 23°50'30 | 14°16 | 27° 1 | 23°38 | 29° 3 | 0♒ 5 | 28°25 | 9°16 | 12°40 | 22°29 | 29°16 | 29°47 | 2°10 | 14°34 | S 9 |
| S 10 | 13 32 23 | 24°48'40 | 28°12 | 28° 7 | 24°52 | 29°26 | 0°11 | 28°20 | 9°16 | 12°39 | 22°30 | 29°R16 | 29°44 | 2°17 | 14°38 | S 10 |
| M11 | 13 36 19 | 25°46'49 | 12♒23 | 29°15 | 26° 6 | 29°49 | 0°17 | 28°16 | 9°16 | 12°37 | 22°30 | 29°16 | 29°41 | 2°23 | 14°43 | M11 |
| T 12 | 13 40 16 | 26°44'56 | 26°48 | 0♈26 | 27°19 | 0♌13 | 0°24 | 28°11 | 9°D16 | 12°36 | 22°30 | 29°16 | 29°38 | 2°30 | 14°47 | T 12 |
| W13 | 13 44 12 | 27°43'02 | 11♓23 | 1°39 | 28°33 | 0°36 | 0°29 | 28° 7 | 9°16 | 12°35 | 22°31 | 29°16 | 29°34 | 2°37 | 14°51 | W13 |
| T 14 | 13 48 9 | 28°41'07 | 26° 3 | 2°55 | 29°47 | 1° 0 | 0°35 | 28° 2 | 9°16 | 12°34 | 22°31 | 29°15 | 29°31 | 2°44 | 14°55 | T 14 |
| F 15 | 13 52 5 | 29°39'09 | 10♈42 | 4°13 | 1♉ 1 | 1°25 | 0°41 | 27°58 | 9°16 | 12°33 | 22°31 | 29°D15 | 29°28 | 2°50 | 14°59 | F 15 |
| S 16 | 13 56 2 | 0♉37'11 | 25°14 | 5°33 | 2°15 | 1°49 | 0°46 | 27°53 | 9°16 | 12°32 | 22°32 | 29°R15 | 29°25 | 2°57 | 15° 3 | S 16 |
| S 17 | 13 59 59 | 1°35'10 | 9♉32 | 6°56 | 3°29 | 2°14 | 0°52 | 27°49 | 9°17 | 12°31 | 22°32 | 29°15 | 29°22 | 3° 4 | 15° 8 | S 17 |
| M18 | 14 3 55 | 2°33'08 | 23°32 | 8°21 | 4°43 | 2°39 | 0°57 | 27°44 | 9°17 | 12°30 | 22°33 | 29°15 | 29°19 | 3°10 | 15°12 | M18 |
| T 19 | 14 7 52 | 3°31'05 | 7♊11 | 9°48 | 5°57 | 3° 4 | 1° 2 | 27°40 | 9°17 | 12°29 | 22°33 | 29°15 | 29°15 | 3°17 | 15°16 | T 19 |
| W20 | 14 11 48 | 4°28'59 | 20°27 | 11°17 | 7°11 | 3°30 | 1° 7 | 27°35 | 9°18 | 12°28 | 22°34 | 29°14 | 29°12 | 3°24 | 15°20 | W20 |
| T 21 | 14 15 45 | 5°26'52 | 3♋21 | 12°48 | 8°25 | 3°56 | 1°11 | 27°31 | 9°18 | 12°28 | 22°34 | 29°14 | 29° 9 | 3°30 | 15°25 | T 21 |
| F 22 | 14 19 41 | 6°24'43 | 15°54 | 14°22 | 9°39 | 4°22 | 1°16 | 27°26 | 9°19 | 12°27 | 22°35 | 29°13 | 29° 6 | 3°37 | 15°29 | F 22 |
| S 23 | 14 23 38 | 7°22'33 | 28°11 | 15°57 | 10°52 | 4°48 | 1°20 | 27°22 | 9°19 | 12°26 | 22°35 | 29°13 | 29° 3 | 3°44 | 15°33 | S 23 |
| S 24 | 14 27 34 | 8°20'20 | 10♌14 | 17°35 | 12° 6 | 5°15 | 1°24 | 27°17 | 9°20 | 12°25 | 22°36 | 29°D12 | 29° 0 | 3°51 | 15°38 | S 24 |
| M25 | 14 31 31 | 9°18'06 | 22°10 | 19°15 | 13°20 | 5°41 | 1°28 | 27°13 | 9°21 | 12°24 | 22°37 | 29°13 | 28°56 | 3°57 | 15°42 | M25 |
| T 26 | 14 35 28 | 10°15'50 | 4♍ 1 | 20°57 | 14°34 | 6° 8 | 1°32 | 27° 9 | 9°21 | 12°24 | 22°37 | 29°13 | 28°53 | 4° 4 | 15°46 | T 26 |
| W27 | 14 39 24 | 11°13'32 | 15°54 | 22°40 | 15°48 | 6°36 | 1°36 | 27° 4 | 9°22 | 12°23 | 22°38 | 29°15 | 28°50 | 4°11 | 15°50 | W27 |
| T 28 | 14 43 21 | 12°11'13 | 27°51 | 24°26 | 17° 1 | 7° 3 | 1°39 | 27° 0 | 9°23 | 12°22 | 22°39 | 29°16 | 28°47 | 4°17 | 15°55 | T 28 |
| F 29 | 14 47 17 | 13° 8'52 | 9♎57 | 26°15 | 18°15 | 7°31 | 1°42 | 26°56 | 9°24 | 12°22 | 22°40 | 29°17 | 28°44 | 4°24 | 15°59 | F 29 |
| S 30 | 14 51 14 | 14♉ 6'30 | 22♎15 | 28♈ 5 | 19♉29 | 7♌58 | 1♒46 | 26♎52 | 9♌25 | 12♍21 | 22♋40 | 29♎17 | 28♎40 | 4♍31 | 16♉ 3 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n21 | 2s53 | 2s27 | 5s39 | 1s51 | 4n22 | 1s11 | 23n28 | 2n29 | 20s51 | 0s25 | 8s38 | 2n44 | 18n42 | 0n42 | 8n 0 | 1n19 | 27n 2 | 5n25 | 11s16 | 11s37 | 6n58 | 14n52 | 1s20 |
| S 2 | 6 44 | 6 45 | 1 25 | 5 31 | 2 0 | 4 52 | 1 10 | 23 23 | 2 28 | 20 50 | 0 25 | 8 36 | 2 44 | 18 42 | 0 42 | 8 1 | 1 19 | 27 2 | 5 25 | 11 16 | 11 35 | 6 56 | 14 53 | 1 20 |
| S 3 | 7 6 | 10 23 | 0 18 | 5 21 | 2 8 | 5 22 | 1 8 | 23 17 | 2 26 | 20 48 | 0 25 | 8 35 | 2 44 | 18 42 | 0 42 | 8 1 | 1 19 | 27 1 | 5 25 | 11 15 | 11 34 | 6 54 | 14 54 | 1 20 |
| M 4 | 7 29 | 13 36 | 0n51 | 5 9 | 2 15 | 5 52 | 1 7 | 23 11 | 2 24 | 20 47 | 0 26 | 8 33 | 2 44 | 18 43 | 0 42 | 8 2 | 1 19 | 27 1 | 5 25 | 11 15 | 11 33 | 6 52 | 14 55 | 1 20 |
| T 5 | 7 51 | 16 15 | 1 59 | 4 55 | 2 22 | 6 21 | 1 5 | 23 6 | 2 23 | 20 46 | 0 26 | 8 31 | 2 44 | 18 43 | 0 42 | 8 2 | 1 19 | 27 1 | 5 25 | 11 16 | 11 32 | 6 50 | 14 57 | 1 20 |
| W 6 | 8 13 | 18 6 | 3 1 | 4 39 | 2 28 | 6 51 | 1 4 | 23 0 | 2 21 | 20 44 | 0 26 | 8 30 | 2 44 | 18 43 | 0 42 | 8 3 | 1 19 | 27 1 | 5 25 | 11 16 | 11 31 | 6 48 | 14 58 | 1 20 |
| T 7 | 8 35 | 19 2 | 3 56 | 4 21 | 2 34 | 7 20 | 1 2 | 22 54 | 2 20 | 20 43 | 0 26 | 8 28 | 2 44 | 18 43 | 0 42 | 8 3 | 1 19 | 27 1 | 5 25 | 11 16 | 11 30 | 6 46 | 14 59 | 1 20 |
| F 8 | 8 57 | 18 56 | 4 39 | 4 2 | 2 38 | 7 50 | 1 1 | 22 48 | 2 18 | 20 42 | 0 26 | 8 27 | 2 44 | 18 43 | 0 42 | 8 3 | 1 19 | 27 1 | 5 24 | 11 16 | 11 29 | 6 44 | 15 0 | 1 20 |
| S 9 | 9 18 | 17 43 | 5 7 | 3 40 | 2 42 | 8 19 | 0 59 | 22 41 | 2 17 | 20 41 | 0 27 | 8 25 | 2 44 | 18 43 | 0 42 | 8 4 | 1 19 | 27 1 | 5 24 | 11 16 | 11 28 | 6 42 | 15 1 | 1 20 |
| S 10 | 9 40 | 15 27 | 5 17 | 3 17 | 2 46 | 8 48 | 0 57 | 22 35 | 2 15 | 20 40 | 0 27 | 8 23 | 2 44 | 18 43 | 0 42 | 8 4 | 1 19 | 27 1 | 5 24 | 11 17 | 11 26 | 6 40 | 15 2 | 1 20 |
| M11 | 10 1 | 12 14 | 5 9 | 2 52 | 2 48 | 9 16 | 0 55 | 22 29 | 2 14 | 20 38 | 0 27 | 8 22 | 2 44 | 18 43 | 0 42 | 8 5 | 1 19 | 27 1 | 5 24 | 11 16 | 11 25 | 6 38 | 15 4 | 1 20 |
| T 12 | 10 22 | 8 14 | 4 42 | 2 26 | 2 51 | 9 45 | 0 54 | 22 22 | 2 12 | 20 37 | 0 27 | 8 20 | 2 44 | 18 43 | 0 42 | 8 5 | 1 19 | 27 0 | 5 24 | 11 16 | 11 24 | 6 36 | 15 5 | 1 21 |
| W13 | 10 43 | 3 42 | 3 56 | 1 58 | 2 52 | 10 13 | 0 52 | 22 16 | 2 11 | 20 36 | 0 27 | 8 19 | 2 44 | 18 43 | 0 42 | 8 5 | 1 19 | 27 0 | 5 24 | 11 16 | 11 23 | 6 34 | 15 6 | 1 21 |
| T 14 | 11 4 | 1n 5 | 2 54 | 1 29 | 2 53 | 10 41 | 0 50 | 22 9 | 2 9 | 20 35 | 0 28 | 8 17 | 2 44 | 18 43 | 0 42 | 8 6 | 1 19 | 27 0 | 5 24 | 11 16 | 11 22 | 6 32 | 15 7 | 1 21 |
| F 15 | 11 25 | 5 48 | 1 41 | 0 58 | 2 53 | 11 9 | 0 48 | 22 2 | 2 8 | 20 34 | 0 28 | 8 15 | 2 44 | 18 42 | 0 42 | 8 6 | 1 19 | 27 0 | 5 24 | 11 16 | 11 21 | 6 30 | 15 8 | 1 21 |
| S 16 | 11 45 | 10 10 | 0 22 | 0 25 | 2 53 | 11 36 | 0 46 | 21 55 | 2 6 | 20 33 | 0 28 | 8 14 | 2 44 | 18 42 | 0 42 | 8 7 | 1 19 | 27 0 | 5 24 | 11 16 | 11 20 | 6 28 | 15 9 | 1 21 |
| S 17 | 12 5 | 13 51 | 0s57 | 0n 8 | 2 52 | 12 4 | 0 44 | 21 48 | 2 5 | 20 32 | 0 28 | 8 12 | 2 44 | 18 42 | 0 42 | 8 7 | 1 19 | 27 0 | 5 24 | 11 16 | 11 19 | 6 27 | 15 11 | 1 21 |
| M18 | 12 26 | 16 39 | 2 11 | 0 44 | 2 50 | 12 31 | 0 42 | 21 41 | 2 4 | 20 31 | 0 28 | 8 11 | 2 44 | 18 42 | 0 42 | 8 7 | 1 19 | 27 0 | 5 24 | 11 16 | 11 17 | 6 25 | 15 12 | 1 21 |
| T 19 | 12 45 | 18 25 | 3 15 | 1 20 | 2 48 | 12 57 | 0 40 | 21 34 | 2 2 | 20 30 | 0 29 | 8 9 | 2 44 | 18 42 | 0 42 | 8 8 | 1 19 | 26 59 | 5 24 | 11 16 | 11 16 | 6 23 | 15 13 | 1 21 |
| W20 | 13 5 | 19 7 | 4 7 | 1 57 | 2 45 | 13 24 | 0 38 | 21 26 | 2 1 | 20 29 | 0 29 | 8 8 | 2 44 | 18 42 | 0 42 | 8 8 | 1 19 | 26 59 | 5 24 | 11 16 | 11 15 | 6 21 | 15 14 | 1 21 |
| T 21 | 13 25 | 18 46 | 4 45 | 2 36 | 2 42 | 13 50 | 0 35 | 21 19 | 1 59 | 20 29 | 0 29 | 8 6 | 2 44 | 18 42 | 0 42 | 8 8 | 1 19 | 26 59 | 5 23 | 11 16 | 11 14 | 6 19 | 15 15 | 1 21 |
| F 22 | 13 44 | 17 31 | 5 9 | 3 16 | 2 38 | 14 15 | 0 33 | 21 11 | 1 58 | 20 28 | 0 29 | 8 4 | 2 44 | 18 42 | 0 42 | 8 9 | 1 19 | 26 59 | 5 23 | 11 15 | 11 13 | 6 17 | 15 16 | 1 21 |
| S 23 | 14 3 | 15 28 | 5 17 | 3 57 | 2 34 | 14 41 | 0 31 | 21 3 | 1 57 | 20 27 | 0 29 | 8 3 | 2 44 | 18 41 | 0 42 | 8 9 | 1 19 | 26 59 | 5 23 | 11 15 | 11 12 | 6 15 | 15 18 | 1 21 |
| S 24 | 14 22 | 12 47 | 5 11 | 4 39 | 2 29 | 15 6 | 0 29 | 20 56 | 1 55 | 20 26 | 0 30 | 8 1 | 2 43 | 18 41 | 0 42 | 8 9 | 1 19 | 26 59 | 5 23 | 11 15 | 11 11 | 6 13 | 15 19 | 1 21 |
| M25 | 14 40 | 9 36 | 4 52 | 5 22 | 2 23 | 15 30 | 0 27 | 20 48 | 1 54 | 20 26 | 0 30 | 8 0 | 2 43 | 18 41 | 0 42 | 8 9 | 1 19 | 26 58 | 5 23 | 11 15 | 11 9 | 6 11 | 15 20 | 1 21 |
| T 26 | 14 59 | 6 3 | 4 21 | 6 6 | 2 17 | 15 55 | 0 24 | 20 40 | 1 53 | 20 25 | 0 30 | 7 58 | 2 43 | 18 41 | 0 41 | 8 10 | 1 19 | 26 58 | 5 23 | 11 16 | 11 8 | 6 9 | 15 21 | 1 21 |
| W27 | 15 17 | 2 15 | 3 38 | 6 51 | 2 10 | 16 18 | 0 22 | 20 31 | 1 51 | 20 24 | 0 30 | 7 57 | 2 43 | 18 40 | 0 41 | 8 10 | 1 19 | 26 58 | 5 23 | 11 16 | 11 7 | 6 7 | 15 22 | 1 22 |
| T 28 | 15 35 | 1s40 | 2 45 | 7 37 | 2 3 | 16 42 | 0 20 | 20 23 | 1 50 | 20 24 | 0 30 | 7 56 | 2 43 | 18 40 | 0 41 | 8 10 | 1 19 | 26 58 | 5 23 | 11 16 | 11 6 | 6 5 | 15 23 | 1 22 |
| F 29 | 15 52 | 5 34 | 1 45 | 8 23 | 1 56 | 17 5 | 0 17 | 20 15 | 1 49 | 20 23 | 0 31 | 7 54 | 2 43 | 18 40 | 0 41 | 8 10 | 1 19 | 26 58 | 5 23 | 11 17 | 11 5 | 6 3 | 15 25 | 1 22 |
| S 30 | 16n10 | 9s18 | 0s39 | 9n10 | 1s48 | 17n27 | 0s15 | 20n 6 | 1n48 | 20s23 | 0s31 | 7s53 | 2n43 | 18n40 | 0n41 | 8n11 | 1n19 | 26n57 | 5n23 | 11s17 | 11s 4 | 6n 1 | 15n26 | 1s22 |

Julian Day Number = 2069231.5, Delta T = 28m33s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'09, Lahiri = 9°16'09 Julian Calendar 1 Apr. 953 == Greg. Calendar 6 Apr. 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## MAY 953 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 55 10 | 15♉ 4'06 | 4♏46 | 29♈57 | 20♉43 | 8♌26 | 1♒48 | 26°R47 | 9♌26 | 12°R21 | 22♋41 | 29°R17 | 28♎37 | 4♍37 | 16♉ 8 | S 1 |
| M 2 | 14 59 7 | 16° 1'41 | 17°33 | 1♉51 | 21°56 | 8°54 | 1°51 | 26♎43 | 9°27 | 12♍20 | 22°42 | 29♎17 | 28°34 | 4°44 | 16°12 | M 2 |
| T 3 | 15 3 3 | 16°59'15 | 0♐35 | 3°48 | 23°10 | 9°23 | 1°54 | 26°39 | 9°28 | 12°19 | 22°43 | 29°15 | 28°31 | 4°51 | 16°16 | T 3 |
| W 4 | 15 7 0 | 17°56'47 | 13°52 | 5°46 | 24°24 | 9°51 | 1°56 | 26°35 | 9°29 | 12°19 | 22°44 | 29°13 | 28°28 | 4°58 | 16°21 | W 4 |
| T 5 | 15 10 57 | 18°54'19 | 27°24 | 7°46 | 25°38 | 10°20 | 1°58 | 26°31 | 9°30 | 12°19 | 22°45 | 29°10 | 28°25 | 5° 4 | 16°25 | T 5 |
| F 6 | 15 14 53 | 19°51'49 | 11♑ 8 | 9°48 | 26°51 | 10°49 | 2° 0 | 26°27 | 9°32 | 12°18 | 22°45 | 29° 8 | 28°21 | 5°11 | 16°29 | F 6 |
| S 7 | 15 18 50 | 20°49'19 | 25° 2 | 11°52 | 28° 5 | 11°18 | 2° 2 | 26°23 | 9°33 | 12°18 | 22°46 | 29° 5 | 28°18 | 5°18 | 16°34 | S 7 |
| S 8 | 15 22 46 | 21°46'48 | 9♒ 5 | 13°58 | 29°19 | 11°47 | 2° 4 | 26°19 | 9°34 | 12°17 | 22°47 | 29° 4 | 28°15 | 5°24 | 16°38 | S 8 |
| M 9 | 15 26 43 | 22°44'16 | 23°14 | 16° 5 | 0♊32 | 12°17 | 2° 5 | 26°16 | 9°36 | 12°17 | 22°48 | 29°D 3 | 28°12 | 5°31 | 16°42 | M 9 |
| T 10 | 15 30 39 | 23°41'43 | 7♓28 | 18°13 | 1°46 | 12°46 | 2° 6 | 26°12 | 9°37 | 12°17 | 22°49 | 29° 4 | 28° 9 | 5°38 | 16°47 | T 10 |
| W11 | 15 34 36 | 24°39'09 | 21°44 | 20°23 | 3° 0 | 13°16 | 2° 7 | 26° 8 | 9°39 | 12°16 | 22°50 | 29° 5 | 28° 5 | 5°44 | 16°51 | W11 |
| T 12 | 15 38 32 | 25°36'35 | 5♈59 | 22°34 | 4°13 | 13°46 | 2° 8 | 26° 4 | 9°40 | 12°16 | 22°51 | 29° 6 | 28° 2 | 5°51 | 16°55 | T 12 |
| F 13 | 15 42 29 | 26°34'00 | 20°11 | 24°45 | 5°27 | 14°16 | 2° 9 | 26° 1 | 9°42 | 12°16 | 22°52 | 29° 7 | 27°59 | 5°58 | 17° 0 | F 13 |
| S 14 | 15 46 25 | 27°31'24 | 4♉16 | 26°57 | 6°41 | 14°46 | 2° 9 | 25°57 | 9°43 | 12°16 | 22°54 | 29°R 8 | 27°56 | 6° 4 | 17° 4 | S 14 |
| S 15 | 15 50 22 | 28°28'47 | 18°12 | 29° 9 | 7°54 | 15°17 | 2°10 | 25°54 | 9°45 | 12°16 | 22°55 | 29° 6 | 27°53 | 6°11 | 17° 8 | S 15 |
| M16 | 15 54 19 | 29°26'10 | 1♊54 | 1♊20 | 9° 8 | 15°47 | 2°R10 | 25°51 | 9°47 | 12°16 | 22°56 | 29° 4 | 27°50 | 6°18 | 17°12 | M16 |
| T 17 | 15 58 15 | 0♊23'32 | 15°20 | 3°32 | 10°22 | 16°18 | 2°10 | 25°47 | 9°49 | 12°16 | 22°57 | 29° 0 | 27°46 | 6°25 | 17°17 | T 17 |
| W18 | 16 2 12 | 1°20'53 | 28°29 | 5°43 | 11°35 | 16°49 | 2° 9 | 25°44 | 9°51 | 12°15 | 22°58 | 28°55 | 27°43 | 6°31 | 17°21 | W18 |
| T 19 | 16 6 8 | 2°18'13 | 11♋19 | 7°53 | 12°49 | 17°20 | 2° 9 | 25°41 | 9°52 | 12°D15 | 22°59 | 28°49 | 27°40 | 6°38 | 17°25 | T 19 |
| F 20 | 16 10 5 | 3°15'32 | 23°51 | 10° 2 | 14° 2 | 17°51 | 2° 8 | 25°38 | 9°54 | 12°15 | 23° 0 | 28°44 | 27°37 | 6°45 | 17°29 | F 20 |
| S 21 | 16 14 1 | 4°12'50 | 6♌ 7 | 12°10 | 15°16 | 18°23 | 2° 7 | 25°35 | 9°56 | 12°16 | 23° 2 | 28°40 | 27°34 | 6°51 | 17°34 | S 21 |
| S 22 | 16 17 58 | 5°10'07 | 18°11 | 14°16 | 16°30 | 18°54 | 2° 6 | 25°32 | 9°58 | 12°16 | 23° 3 | 28°37 | 27°31 | 6°58 | 17°38 | S 22 |
| M23 | 16 21 55 | 6° 7'23 | 0♍ 7 | 16°20 | 17°43 | 19°26 | 2° 5 | 25°29 | 10° 0 | 12°16 | 23° 4 | 28°35 | 27°27 | 7° 5 | 17°42 | M23 |
| T 24 | 16 25 51 | 7° 4'38 | 11°58 | 18°23 | 18°57 | 19°58 | 2° 3 | 25°26 | 10° 3 | 12°16 | 23° 5 | 28°D35 | 27°24 | 7°11 | 17°46 | T 24 |
| W25 | 16 29 48 | 8° 1'52 | 23°51 | 20°23 | 20°10 | 20°29 | 2° 2 | 25°23 | 10° 5 | 12°16 | 23° 7 | 28°36 | 27°21 | 7°18 | 17°50 | W25 |
| T 26 | 16 33 44 | 8°59'06 | 5♎49 | 22°22 | 21°24 | 21° 1 | 2° 0 | 25°21 | 10° 7 | 12°16 | 23° 8 | 28°38 | 27°18 | 7°25 | 17°54 | T 26 |
| F 27 | 16 37 41 | 9°56'18 | 17°58 | 24°19 | 22°37 | 21°34 | 1°58 | 25°18 | 10° 9 | 12°17 | 23° 9 | 28°39 | 27°15 | 7°31 | 17°59 | F 27 |
| S 28 | 16 41 37 | 10°53'30 | 0♏22 | 26°13 | 23°51 | 22° 6 | 1°56 | 25°16 | 10°11 | 12°17 | 23°11 | 28°R40 | 27°11 | 7°38 | 18° 3 | S 28 |
| S 29 | 16 45 34 | 11°50'42 | 13° 5 | 28° 5 | 25° 4 | 22°38 | 1°53 | 25°13 | 10°14 | 12°17 | 23°12 | 28°39 | 27° 8 | 7°45 | 18° 7 | S 29 |
| M30 | 16 49 30 | 12°47'52 | 26° 7 | 29°55 | 26°18 | 23°11 | 1°51 | 25°11 | 10°16 | 12°17 | 23°13 | 28°36 | 27° 5 | 7°52 | 18°11 | M30 |
| T 31 | 16 53 27 | 13♊45'03 | 9♐30 | 1♋43 | 27♊31 | 23♌43 | 1♒48 | 25♎ 9 | 10♌19 | 12♍18 | 23♋15 | 28♎31 | 27♎ 2 | 7♍58 | 18♉15 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n27 | 12s42 | 0n30 | 9n58 | 1s40 | 17n50 | 0s13 | 19n58 | 1n46 | 20s22 | 0s31 | 7s51 | 2n43 | 18n39 | 0n41 | 8n11 | 1n19 | 26n57 | 5n23 | 11s17 | 11s 3 | 5n59 | 15n27 | 1s22 |
| M 2 | 16 44 | 15 34 | 1 39 | 10 46 | 1 31 | 18 11 | 0 10 | 19 49 | 1 45 | 20 22 | 0 31 | 7 50 | 2 43 | 18 39 | 0 41 | 8 11 | 1 19 | 26 57 | 5 23 | 11 17 | 11 2 | 5 57 | 15 28 | 1 22 |
| T 3 | 17 0 | 17 42 | 2 44 | 11 34 | 1 22 | 18 32 | 0 8 | 19 40 | 1 44 | 20 22 | 0 32 | 7 49 | 2 43 | 18 39 | 0 41 | 8 11 | 1 19 | 26 57 | 5 23 | 11 16 | 11 0 | 5 55 | 15 29 | 1 22 |
| W 4 | 17 16 | 18 55 | 3 42 | 12 23 | 1 12 | 18 53 | 0 6 | 19 31 | 1 43 | 20 21 | 0 32 | 7 47 | 2 42 | 18 38 | 0 41 | 8 11 | 1 19 | 26 57 | 5 23 | 11 15 | 10 59 | 5 54 | 15 30 | 1 22 |
| T 5 | 17 32 | 19 5 | 4 28 | 13 12 | 1 2 | 19 13 | 0 3 | 19 22 | 1 41 | 20 21 | 0 32 | 7 46 | 2 42 | 18 38 | 0 41 | 8 11 | 1 19 | 26 56 | 5 23 | 11 14 | 10 58 | 5 52 | 15 32 | 1 22 |
| F 6 | 17 48 | 18 8 | 4 59 | 14 1 | 0 52 | 19 33 | 0 1 | 19 13 | 1 40 | 20 21 | 0 32 | 7 45 | 2 42 | 18 38 | 0 41 | 8 11 | 1 19 | 26 56 | 5 23 | 11 13 | 10 57 | 5 50 | 15 33 | 1 22 |
| S 7 | 18 4 | 16 6 | 5 14 | 14 49 | 0 42 | 19 52 | 0n 2 | 19 4 | 1 39 | 20 21 | 0 32 | 7 43 | 2 42 | 18 37 | 0 41 | 8 12 | 1 19 | 26 56 | 5 22 | 11 13 | 10 56 | 5 48 | 15 34 | 1 22 |
| S 8 | 18 19 | 13 6 | 5 10 | 15 37 | 0 31 | 20 11 | 0 4 | 18 55 | 1 38 | 20 20 | 0 33 | 7 42 | 2 42 | 18 37 | 0 41 | 8 12 | 1 18 | 26 56 | 5 22 | 11 12 | 10 55 | 5 46 | 15 35 | 1 22 |
| M 9 | 18 34 | 9 19 | 4 47 | 16 25 | 0 21 | 20 29 | 0 6 | 18 45 | 1 37 | 20 20 | 0 33 | 7 41 | 2 42 | 18 36 | 0 41 | 8 12 | 1 18 | 26 56 | 5 22 | 11 12 | 10 54 | 5 44 | 15 36 | 1 23 |
| T 10 | 18 48 | 5 0 | 4 7 | 17 12 | 0 10 | 20 46 | 0 9 | 18 36 | 1 35 | 20 20 | 0 33 | 7 40 | 2 42 | 18 36 | 0 41 | 8 12 | 1 18 | 26 55 | 5 22 | 11 12 | 10 52 | 5 42 | 15 37 | 1 23 |
| W11 | 19 2 | 0 22 | 3 11 | 17 57 | 0n 1 | 21 3 | 0 11 | 18 26 | 1 34 | 20 20 | 0 33 | 7 38 | 2 41 | 18 36 | 0 41 | 8 12 | 1 18 | 26 55 | 5 22 | 11 13 | 10 51 | 5 40 | 15 38 | 1 23 |
| T 12 | 19 16 | 4n17 | 2 4 | 18 42 | 0 11 | 21 20 | 0 14 | 18 16 | 1 33 | 20 20 | 0 34 | 7 37 | 2 41 | 18 35 | 0 41 | 8 12 | 1 18 | 26 55 | 5 22 | 11 13 | 10 50 | 5 38 | 15 40 | 1 23 |
| F 13 | 19 30 | 8 41 | 0 49 | 19 25 | 0 22 | 21 36 | 0 16 | 18 6 | 1 32 | 20 20 | 0 34 | 7 36 | 2 41 | 18 35 | 0 41 | 8 12 | 1 18 | 26 55 | 5 22 | 11 13 | 10 49 | 5 36 | 15 41 | 1 23 |
| S 14 | 19 43 | 12 34 | 0s28 | 20 6 | 0 32 | 21 51 | 0 18 | 17 56 | 1 31 | 20 21 | 0 34 | 7 35 | 2 41 | 18 34 | 0 41 | 8 12 | 1 18 | 26 54 | 5 22 | 11 13 | 10 48 | 5 34 | 15 42 | 1 23 |
| S 15 | 19 56 | 15 42 | 1 43 | 20 46 | 0 42 | 22 5 | 0 21 | 17 46 | 1 30 | 20 21 | 0 34 | 7 34 | 2 41 | 18 34 | 0 41 | 8 12 | 1 18 | 26 54 | 5 22 | 11 13 | 10 47 | 5 32 | 15 43 | 1 23 |
| M16 | 20 9 | 17 53 | 2 50 | 21 23 | 0 52 | 22 19 | 0 23 | 17 36 | 1 28 | 20 21 | 0 35 | 7 33 | 2 41 | 18 33 | 0 41 | 8 12 | 1 18 | 26 54 | 5 22 | 11 12 | 10 46 | 5 30 | 15 44 | 1 23 |
| T 17 | 20 21 | 19 1 | 3 46 | 21 58 | 1 1 | 22 33 | 0 25 | 17 26 | 1 27 | 20 21 | 0 35 | 7 32 | 2 40 | 18 33 | 0 41 | 8 12 | 1 18 | 26 54 | 5 22 | 11 11 | 10 44 | 5 28 | 15 45 | 1 23 |
| W18 | 20 33 | 19 5 | 4 29 | 22 31 | 1 9 | 22 45 | 0 28 | 17 15 | 1 26 | 20 21 | 0 35 | 7 31 | 2 40 | 18 32 | 0 41 | 8 12 | 1 18 | 26 53 | 5 22 | 11 9 | 10 43 | 5 26 | 15 46 | 1 23 |
| T 19 | 20 44 | 18 9 | 4 57 | 23 1 | 1 17 | 22 58 | 0 30 | 17 5 | 1 25 | 20 22 | 0 35 | 7 30 | 2 40 | 18 32 | 0 41 | 8 12 | 1 18 | 26 53 | 5 22 | 11 7 | 10 42 | 5 24 | 15 47 | 1 24 |
| F 20 | 20 55 | 16 21 | 5 10 | 23 29 | 1 25 | 23 9 | 0 32 | 16 54 | 1 24 | 20 22 | 0 35 | 7 29 | 2 40 | 18 31 | 0 41 | 8 12 | 1 18 | 26 53 | 5 22 | 11 5 | 10 41 | 5 22 | 15 48 | 1 24 |
| S 21 | 21 6 | 13 51 | 5 9 | 23 53 | 1 32 | 23 20 | 0 35 | 16 43 | 1 23 | 20 23 | 0 36 | 7 28 | 2 40 | 18 31 | 0 41 | 8 12 | 1 18 | 26 53 | 5 22 | 11 4 | 10 40 | 5 20 | 15 50 | 1 24 |
| S 22 | 21 17 | 10 48 | 4 54 | 24 16 | 1 38 | 23 30 | 0 37 | 16 32 | 1 22 | 20 23 | 0 36 | 7 27 | 2 39 | 18 30 | 0 41 | 8 12 | 1 18 | 26 52 | 5 22 | 11 3 | 10 39 | 5 19 | 15 51 | 1 24 |
| M23 | 21 27 | 7 21 | 4 26 | 24 35 | 1 43 | 23 39 | 0 39 | 16 21 | 1 21 | 20 24 | 0 36 | 7 26 | 2 39 | 18 29 | 0 41 | 8 12 | 1 18 | 26 52 | 5 22 | 11 2 | 10 38 | 5 17 | 15 52 | 1 24 |
| T 24 | 21 37 | 3 37 | 3 47 | 24 52 | 1 48 | 23 48 | 0 42 | 16 10 | 1 20 | 20 24 | 0 36 | 7 25 | 2 39 | 18 29 | 0 41 | 8 12 | 1 18 | 26 52 | 5 22 | 11 2 | 10 36 | 5 15 | 15 53 | 1 24 |
| W25 | 21 46 | 0s16 | 2 58 | 25 5 | 1 52 | 23 56 | 0 44 | 15 59 | 1 19 | 20 25 | 0 37 | 7 25 | 2 39 | 18 28 | 0 41 | 8 12 | 1 18 | 26 52 | 5 22 | 11 2 | 10 35 | 5 13 | 15 54 | 1 24 |
| T 26 | 21 55 | 4 10 | 2 1 | 25 17 | 1 56 | 24 3 | 0 46 | 15 48 | 1 18 | 20 25 | 0 37 | 7 24 | 2 39 | 18 28 | 0 41 | 8 12 | 1 18 | 26 51 | 5 22 | 11 3 | 10 34 | 5 11 | 15 55 | 1 24 |
| F 27 | 22 4 | 7 59 | 0 58 | 25 25 | 1 58 | 24 10 | 0 48 | 15 36 | 1 17 | 20 26 | 0 37 | 7 23 | 2 38 | 18 27 | 0 41 | 8 11 | 1 18 | 26 51 | 5 22 | 11 3 | 10 33 | 5 9 | 15 56 | 1 24 |
| S 28 | 22 12 | 11 31 | 0n 9 | 25 31 | 2 0 | 24 16 | 0 50 | 15 25 | 1 15 | 20 27 | 0 37 | 7 22 | 2 38 | 18 26 | 0 41 | 8 11 | 1 18 | 26 51 | 5 22 | 11 3 | 10 32 | 5 7 | 15 57 | 1 25 |
| S 29 | 22 20 | 14 37 | 1 17 | 25 35 | 2 1 | 24 21 | 0 52 | 15 13 | 1 14 | 20 28 | 0 38 | 7 22 | 2 38 | 18 26 | 0 40 | 8 11 | 1 18 | 26 51 | 5 22 | 11 3 | 10 31 | 5 5 | 15 58 | 1 25 |
| M30 | 22 28 | 17 4 | 2 23 | 25 36 | 2 2 | 24 25 | 0 54 | 15 1 | 1 13 | 20 28 | 0 38 | 7 21 | 2 38 | 18 25 | 0 40 | 8 11 | 1 18 | 26 50 | 5 22 | 11 2 | 10 29 | 5 3 | 15 59 | 1 25 |
| T 31 | 22n35 | 18s40 | 3n23 | 25n35 | 2n 2 | 24n29 | 0n56 | 14n50 | 1n12 | 20s29 | 0s38 | 7s20 | 2n37 | 18n24 | 0n40 | 8n11 | 1n18 | 26n50 | 5n22 | 11s 0 | 10s28 | 5n 1 | 16n 0 | 1s25 |

Julian Day Number = 2069261.5, Delta T = 28m32s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'13, Lahiri = 9°16'13 Julian Calendar 1 May 953 == Greg. Calendar 6 May 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## JUNE 953 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 57 24 | 14♊42'13 | 23♐12 | 3♋28 | 28♊45 | 24♌16 | 1°R45 | 25°R 6 | 10♌21 | 12♍18 | 23♋16 | 28°R25 | 26♎59 | 8♍ 5 | 18♉19 | W 1 |
| T 2 | 17 1 20 | 15°39'22 | 7♑11 | 5°11 | 29°58 | 24°49 | 1♒42 | 25♎ 4 | 10°23 | 12°19 | 23°18 | 28♎17 | 26°56 | 8°12 | 18°23 | T 2 |
| F 3 | 17 5 17 | 16°36'32 | 21°21 | 6°51 | 1♋12 | 25°22 | 1°39 | 25° 2 | 10°26 | 12°19 | 23°19 | 28°10 | 26°52 | 8°18 | 18°27 | F 3 |
| S 4 | 17 9 13 | 17°33'41 | 5♒39 | 8°30 | 2°25 | 25°55 | 1°35 | 25° 1 | 10°29 | 12°20 | 23°21 | 28° 3 | 26°49 | 8°25 | 18°31 | S 4 |
| S 5 | 17 13 10 | 18°30'50 | 19°59 | 10° 6 | 3°39 | 26°28 | 1°32 | 24°59 | 10°31 | 12°20 | 23°22 | 27°58 | 26°46 | 8°32 | 18°35 | S 5 |
| M 6 | 17 17 6 | 19°28'00 | 4♓17 | 11°40 | 4°52 | 27° 2 | 1°28 | 24°57 | 10°34 | 12°21 | 23°24 | 27°56 | 26°43 | 8°38 | 18°39 | M 6 |
| T 7 | 17 21 3 | 20°25'09 | 18°30 | 13°11 | 6° 5 | 27°35 | 1°24 | 24°55 | 10°36 | 12°21 | 23°25 | 27°D54 | 26°40 | 8°45 | 18°42 | T 7 |
| W 8 | 17 24 59 | 21°22'18 | 2♈36 | 14°40 | 7°19 | 28° 9 | 1°20 | 24°54 | 10°39 | 12°22 | 23°27 | 27°55 | 26°37 | 8°52 | 18°46 | W 8 |
| T 9 | 17 28 56 | 22°19'28 | 16°34 | 16° 6 | 8°32 | 28°42 | 1°15 | 24°52 | 10°42 | 12°23 | 23°28 | 27°56 | 26°33 | 8°58 | 18°50 | T 9 |
| F 10 | 17 32 53 | 23°16'38 | 0♉24 | 17°31 | 9°46 | 29°16 | 1°11 | 24°51 | 10°45 | 12°23 | 23°30 | 27°R56 | 26°30 | 9° 5 | 18°54 | F 10 |
| S 11 | 17 36 49 | 24°13'48 | 14° 4 | 18°52 | 10°59 | 29°50 | 1° 6 | 24°50 | 10°47 | 12°24 | 23°31 | 27°55 | 26°27 | 9°12 | 18°58 | S 11 |
| S 12 | 17 40 46 | 25°10'58 | 27°35 | 20°11 | 12°13 | 0♍24 | 1° 1 | 24°49 | 10°50 | 12°25 | 23°33 | 27°52 | 26°24 | 9°19 | 19° 1 | S 12 |
| M13 | 17 44 42 | 26° 8'09 | 10♊54 | 21°28 | 13°26 | 0°58 | 0°56 | 24°48 | 10°53 | 12°26 | 23°34 | 27°46 | 26°21 | 9°25 | 19° 5 | M13 |
| T 14 | 17 48 39 | 27° 5'20 | 24° 1 | 22°42 | 14°39 | 1°33 | 0°51 | 24°47 | 10°56 | 12°26 | 23°36 | 27°38 | 26°17 | 9°32 | 19° 9 | T 14 |
| W15 | 17 52 35 | 28° 2'30 | 6♋54 | 23°54 | 15°53 | 2° 7 | 0°46 | 24°46 | 10°59 | 12°27 | 23°37 | 27°28 | 26°14 | 9°39 | 19°12 | W15 |
| T 16 | 17 56 32 | 28°59'41 | 19°33 | 25° 2 | 17° 6 | 2°42 | 0°41 | 24°45 | 11° 2 | 12°28 | 23°39 | 27°17 | 26°11 | 9°45 | 19°16 | T 16 |
| F 17 | 18 0 28 | 29°56'52 | 1♌58 | 26° 8 | 18°19 | 3°16 | 0°35 | 24°44 | 11° 5 | 12°29 | 23°41 | 27° 6 | 26° 8 | 9°52 | 19°20 | F 17 |
| S 18 | 18 4 25 | 0♋54'03 | 14°10 | 27°11 | 19°33 | 3°51 | 0°29 | 24°44 | 11° 8 | 12°30 | 23°42 | 26°57 | 26° 5 | 9°59 | 19°23 | S 18 |
| S 19 | 18 8 22 | 1°51'13 | 26°12 | 28°11 | 20°46 | 4°26 | 0°24 | 24°43 | 11°11 | 12°31 | 23°44 | 26°49 | 26° 2 | 10° 5 | 19°27 | S 19 |
| M20 | 18 12 18 | 2°48'24 | 8♍ 5 | 29° 8 | 21°59 | 5° 0 | 0°18 | 24°43 | 11°14 | 12°32 | 23°46 | 26°44 | 25°58 | 10°12 | 19°30 | M20 |
| T 21 | 18 16 15 | 3°45'35 | 19°55 | 0♌ 2 | 23°13 | 5°35 | 0°11 | 24°43 | 11°17 | 12°33 | 23°47 | 26°41 | 25°55 | 10°19 | 19°33 | T 21 |
| W22 | 18 20 11 | 4°42'46 | 1♎46 | 0°52 | 24°26 | 6°11 | 0° 5 | 24°42 | 11°20 | 12°34 | 23°49 | 26°D40 | 25°52 | 10°25 | 19°37 | W22 |
| T 23 | 18 24 8 | 5°39'57 | 13°43 | 1°39 | 25°39 | 6°46 | 29♑59 | 24°D42 | 11°24 | 12°35 | 23°51 | 26°40 | 25°49 | 10°32 | 19°40 | T 23 |
| F 24 | 18 28 4 | 6°37'08 | 25°53 | 2°23 | 26°53 | 7°21 | 29°52 | 24°42 | 11°27 | 12°36 | 23°52 | 26°R41 | 25°46 | 10°39 | 19°44 | F 24 |
| S 25 | 18 32 1 | 7°34'19 | 8♏19 | 3° 3 | 28° 6 | 7°56 | 29°46 | 24°42 | 11°30 | 12°37 | 23°54 | 26°40 | 25°43 | 10°45 | 19°47 | S 25 |
| S 26 | 18 35 57 | 8°31'31 | 21° 6 | 3°38 | 29°19 | 8°32 | 29°39 | 24°43 | 11°33 | 12°39 | 23°56 | 26°38 | 25°39 | 10°52 | 19°50 | S 26 |
| M27 | 18 39 54 | 9°28'42 | 4♐17 | 4°10 | 0♌32 | 9° 7 | 29°32 | 24°43 | 11°37 | 12°40 | 23°57 | 26°33 | 25°36 | 10°59 | 19°53 | M27 |
| T 28 | 18 43 51 | 10°25'55 | 17°54 | 4°38 | 1°46 | 9°43 | 29°25 | 24°43 | 11°40 | 12°41 | 23°59 | 26°26 | 25°33 | 11° 6 | 19°56 | T 28 |
| W29 | 18 47 47 | 11°23'07 | 1♑56 | 5° 1 | 2°59 | 10°19 | 29°18 | 24°44 | 11°43 | 12°42 | 24° 1 | 26°17 | 25°30 | 11°12 | 20° 0 | W29 |
| T 30 | 18 51 44 | 12♋20'20 | 16♑18 | 5♌20 | 4♌12 | 10♍55 | 29♑11 | 24♎44 | 11♌47 | 12♍44 | 24♋ 2 | 26♎ 6 | 25♎27 | 11♍19 | 20♉ 3 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22n41 | 19s12 | 4n12 | 25n32 | 2n 1 | 24n32 | 0n58 | 14n38 | 1n11 | 20s30 | 0s38 | 7s20 | 2n37 | 18n24 | 0n40 | 8n11 | 1n18 | 26n50 | 5n21 | 10s58 | 10s27 | 4n59 | 16n 1 | 1s25 | |
| T 2 | 22 48 | 18 36 | 4 47 | 25 27 | 1 59 | 24 35 | 1 0 | 14 26 | 1 10 | 20 31 | 0 38 | 7 19 | 2 37 | 18 23 | 0 40 | 8 10 | 1 18 | 26 50 | 5 21 | 10 55 | 10 26 | 4 57 | 16 2 | 1 25 | |
| F 3 | 22 54 | 16 50 | 5 5 | 25 20 | 1 57 | 24 36 | 1 2 | 14 13 | 1 9 | 20 32 | 0 39 | 7 19 | 2 37 | 18 22 | 0 40 | 8 10 | 1 18 | 26 49 | 5 21 | 10 53 | 10 25 | 4 55 | 16 3 | 1 25 | |
| S 4 | 22 59 | 14 2 | 5 5 | 25 11 | 1 54 | 24 37 | 1 4 | 14 1 | 1 8 | 20 33 | 0 39 | 7 18 | 2 37 | 18 21 | 0 40 | 8 10 | 1 18 | 26 49 | 5 21 | 10 50 | 10 24 | 4 53 | 16 4 | 1 25 | |
| S 5 | 23 4 | 10 23 | 4 45 | 25 1 | 1 50 | 24 37 | 1 6 | 13 49 | 1 7 | 20 34 | 0 39 | 7 18 | 2 36 | 18 21 | 0 40 | 8 10 | 1 18 | 26 49 | 5 21 | 10 49 | 10 23 | 4 51 | 16 5 | 1 26 | |
| M 6 | 23 9 | 6 9 | 4 8 | 24 49 | 1 46 | 24 36 | 1 8 | 13 37 | 1 6 | 20 35 | 0 39 | 7 18 | 2 36 | 18 20 | 0 40 | 8 9 | 1 17 | 26 48 | 5 21 | 10 48 | 10 21 | 4 49 | 16 6 | 1 26 | |
| T 7 | 23 13 | 1 34 | 3 16 | 24 35 | 1 41 | 24 35 | 1 9 | 13 24 | 1 5 | 20 36 | 0 40 | 7 17 | 2 36 | 18 19 | 0 40 | 8 9 | 1 17 | 26 48 | 5 21 | 10 47 | 10 20 | 4 47 | 16 7 | 1 26 | |
| W 8 | 23 17 | 3n 3 | 2 12 | 24 20 | 1 35 | 24 33 | 1 11 | 13 11 | 1 4 | 20 37 | 0 40 | 7 17 | 2 36 | 18 18 | 0 40 | 8 9 | 1 17 | 26 48 | 5 21 | 10 47 | 10 19 | 4 45 | 16 8 | 1 26 | |
| T 9 | 23 21 | 7 29 | 1 1 | 24 4 | 1 29 | 24 30 | 1 13 | 12 59 | 1 3 | 20 39 | 0 40 | 7 17 | 2 35 | 18 18 | 0 40 | 8 9 | 1 17 | 26 48 | 5 21 | 10 48 | 10 18 | 4 43 | 16 9 | 1 26 | |
| F 10 | 23 24 | 11 28 | 0s13 | 23 47 | 1 22 | 24 27 | 1 14 | 12 46 | 1 2 | 20 40 | 0 40 | 7 16 | 2 35 | 18 17 | 0 40 | 8 8 | 1 17 | 26 47 | 5 21 | 10 48 | 10 17 | 4 42 | 16 9 | 1 26 | |
| S 11 | 23 27 | 14 47 | 1 25 | 23 29 | 1 15 | 24 22 | 1 16 | 12 33 | 1 1 | 20 41 | 0 41 | 7 16 | 2 35 | 18 16 | 0 40 | 8 8 | 1 17 | 26 47 | 5 21 | 10 47 | 10 16 | 4 40 | 16 10 | 1 26 | |
| S 12 | 23 29 | 17 16 | 2 32 | 23 9 | 1 7 | 24 17 | 1 17 | 12 20 | 1 1 | 20 42 | 0 41 | 7 16 | 2 35 | 18 15 | 0 40 | 8 8 | 1 17 | 26 47 | 5 21 | 10 46 | 10 14 | 4 38 | 16 11 | 1 26 | |
| M13 | 23 31 | 18 45 | 3 29 | 22 49 | 0 59 | 24 12 | 1 19 | 12 7 | 1 0 | 20 44 | 0 41 | 7 16 | 2 34 | 18 14 | 0 40 | 8 7 | 1 17 | 26 47 | 5 21 | 10 44 | 10 13 | 4 36 | 16 12 | 1 27 | |
| T 14 | 23 32 | 19 13 | 4 14 | 22 29 | 0 50 | 24 5 | 1 20 | 11 54 | 0 59 | 20 45 | 0 41 | 7 16 | 2 34 | 18 14 | 0 40 | 8 7 | 1 17 | 26 46 | 5 21 | 10 41 | 10 12 | 4 34 | 16 13 | 1 27 | |
| W15 | 23 33 | 18 39 | 4 45 | 22 7 | 0 41 | 23 58 | 1 21 | 11 41 | 0 58 | 20 46 | 0 41 | 7 16 | 2 34 | 18 13 | 0 40 | 8 7 | 1 17 | 26 46 | 5 21 | 10 38 | 10 11 | 4 32 | 16 14 | 1 27 | |
| T 16 | 23 34 | 17 10 | 5 1 | 21 45 | 0 31 | 23 50 | 1 23 | 11 27 | 0 57 | 20 48 | 0 42 | 7 16 | 2 33 | 18 12 | 0 40 | 8 6 | 1 17 | 26 46 | 5 21 | 10 34 | 10 10 | 4 30 | 16 15 | 1 27 | |
| F 17 | 23 34 | 14 55 | 5 3 | 21 23 | 0 21 | 23 42 | 1 24 | 11 14 | 0 56 | 20 49 | 0 42 | 7 16 | 2 33 | 18 11 | 0 40 | 8 6 | 1 17 | 26 45 | 5 21 | 10 30 | 10 9 | 4 28 | 16 15 | 1 27 | |
| S 18 | 23 34 | 12 2 | 4 50 | 21 0 | 0 10 | 23 32 | 1 25 | 11 0 | 0 55 | 20 51 | 0 42 | 7 16 | 2 33 | 18 10 | 0 40 | 8 6 | 1 17 | 26 45 | 5 21 | 10 26 | 10 8 | 4 26 | 16 16 | 1 27 | |
| S 19 | 23 34 | 8 42 | 4 25 | 20 37 | 0s 1 | 23 23 | 1 26 | 10 47 | 0 54 | 20 52 | 0 42 | 7 16 | 2 33 | 18 9 | 0 40 | 8 5 | 1 17 | 26 45 | 5 21 | 10 24 | 10 6 | 4 24 | 16 17 | 1 27 | |
| M20 | 23 33 | 5 3 | 3 49 | 20 14 | 0 13 | 23 12 | 1 27 | 10 33 | 0 53 | 20 54 | 0 43 | 7 16 | 2 32 | 18 8 | 0 40 | 8 5 | 1 17 | 26 45 | 5 21 | 10 22 | 10 5 | 4 22 | 16 18 | 1 28 | |
| T 21 | 23 31 | 1 13 | 3 3 | 19 51 | 0 24 | 23 1 | 1 28 | 10 19 | 0 52 | 20 55 | 0 43 | 7 16 | 2 32 | 18 8 | 0 40 | 8 4 | 1 17 | 26 44 | 5 21 | 10 21 | 10 4 | 4 20 | 16 19 | 1 28 | |
| W22 | 23 29 | 2s40 | 2 9 | 19 29 | 0 37 | 22 49 | 1 29 | 10 5 | 0 51 | 20 57 | 0 43 | 7 16 | 2 32 | 18 7 | 0 40 | 8 4 | 1 17 | 26 44 | 5 22 | 10 20 | 10 3 | 4 18 | 16 19 | 1 28 | |
| T 23 | 23 27 | 6 30 | 1 8 | 19 6 | 0 49 | 22 36 | 1 30 | 9 51 | 0 50 | 20 58 | 0 43 | 7 16 | 2 32 | 18 6 | 0 40 | 8 3 | 1 17 | 26 44 | 5 22 | 10 20 | 10 2 | 4 16 | 16 20 | 1 28 | |
| F 24 | 23 24 | 10 7 | 0 4 | 18 44 | 1 2 | 22 23 | 1 31 | 9 37 | 0 49 | 21 0 | 0 43 | 7 17 | 2 31 | 18 5 | 0 40 | 8 3 | 1 17 | 26 44 | 5 22 | 10 21 | 10 1 | 4 14 | 16 21 | 1 28 | |
| S 25 | 23 21 | 13 23 | 1n 2 | 18 22 | 1 16 | 22 9 | 1 31 | 9 23 | 0 48 | 21 1 | 0 44 | 7 17 | 2 31 | 18 4 | 0 40 | 8 2 | 1 17 | 26 43 | 5 22 | 10 20 | 9 59 | 4 12 | 16 22 | 1 28 | |
| S 26 | 23 18 | 16 6 | 2 6 | 18 0 | 1 29 | 21 54 | 1 32 | 9 9 | 0 48 | 21 3 | 0 44 | 7 17 | 2 31 | 18 3 | 0 40 | 8 2 | 1 17 | 26 43 | 5 22 | 10 20 | 9 58 | 4 10 | 16 22 | 1 29 | |
| M27 | 23 14 | 18 5 | 3 6 | 17 39 | 1 43 | 21 39 | 1 33 | 8 55 | 0 47 | 21 5 | 0 44 | 7 18 | 2 31 | 18 2 | 0 40 | 8 2 | 1 17 | 26 43 | 5 22 | 10 18 | 9 57 | 4 8 | 16 23 | 1 29 | |
| T 28 | 23 10 | 19 5 | 3 57 | 17 19 | 1 57 | 21 23 | 1 33 | 8 40 | 0 46 | 21 6 | 0 44 | 7 18 | 2 30 | 18 1 | 0 40 | 8 1 | 1 17 | 26 42 | 5 22 | 10 15 | 9 56 | 4 7 | 16 24 | 1 29 | |
| W29 | 23 5 | 18 59 | 4 35 | 17 0 | 2 11 | 21 7 | 1 34 | 8 26 | 0 45 | 21 8 | 0 44 | 7 18 | 2 30 | 18 0 | 0 40 | 8 1 | 1 17 | 26 42 | 5 22 | 10 12 | 9 55 | 4 5 | 16 25 | 1 29 | |
| T 30 | 23n 0 | 17s39 | 4n57 | 16n42 | 2s24 | 20n50 | 1n34 | 8n12 | 0n44 | 21s10 | 0s44 | 7s19 | 2n30 | 17n59 | 0n40 | 8n 0 | 1n17 | 26n42 | 5n22 | 10s 8 | 9s54 | 4n 3 | 16n25 | 1s29 | |

Julian Day Number = 2069292.5, Delta T = 28m32s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'17, Lahiri = 9°16'17 Julian Calendar 1 June 953 == Greg. Calendar 6 June 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## JULY 953 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 55 40 | 13♋17'34 | 0♒54 | 5♌35 | 5♌25 | 11♍31 | 29°R 4 | 24♎45 | 11♌50 | 12♍45 | 24♋ 4 | 25°R55 | 25♎23 | 11♍26 | 20♉ 6 | F 1 |
| S 2 | 18 59 37 | 14°14'48 | 15°38 | 5°44 | 6°38 | 12° 7 | 28♏57 | 24°46 | 11°53 | 12°46 | 24° 6 | 25♎45 | 25°20 | 11°32 | 20° 9 | S 2 |
| S 3 | 19 3 33 | 15°12'03 | 0♓21 | 5°R49 | 7°52 | 12°43 | 28°50 | 24°47 | 11°57 | 12°48 | 24° 8 | 25°38 | 25°17 | 11°39 | 20°12 | S 3 |
| M 4 | 19 7 30 | 16° 9'19 | 14°56 | 5°48 | 9° 5 | 13°19 | 28°42 | 24°48 | 12° 0 | 12°49 | 24° 9 | 25°33 | 25°14 | 11°46 | 20°14 | M 4 |
| T 5 | 19 11 26 | 17° 6'36 | 29°19 | 5°43 | 10°18 | 13°55 | 28°35 | 24°49 | 12° 4 | 12°50 | 24°11 | 25°30 | 25°11 | 11°52 | 20°17 | T 5 |
| W 6 | 19 15 23 | 18° 3'54 | 13♈27 | 5°33 | 11°31 | 14°32 | 28°27 | 24°50 | 12° 7 | 12°52 | 24°13 | 25°29 | 25° 8 | 11°59 | 20°20 | W 6 |
| T 7 | 19 19 20 | 19° 1'14 | 27°19 | 5°17 | 12°44 | 15° 8 | 28°20 | 24°51 | 12°11 | 12°53 | 24°15 | 25°29 | 25° 4 | 12° 6 | 20°23 | T 7 |
| F 8 | 19 23 16 | 19°58'34 | 10♉56 | 4°57 | 13°57 | 15°45 | 28°12 | 24°53 | 12°14 | 12°55 | 24°16 | 25°29 | 25° 1 | 12°12 | 20°26 | F 8 |
| S 9 | 19 27 13 | 20°55'55 | 24°19 | 4°32 | 15°10 | 16°21 | 28° 4 | 24°54 | 12°18 | 12°56 | 24°18 | 25°27 | 24°58 | 12°19 | 20°28 | S 9 |
| S 10 | 19 31 9 | 21°53'18 | 7♊29 | 4° 3 | 16°23 | 16°58 | 27°57 | 24°56 | 12°21 | 12°58 | 24°20 | 25°22 | 24°55 | 12°26 | 20°31 | S 10 |
| M11 | 19 35 6 | 22°50'42 | 20°27 | 3°29 | 17°36 | 17°35 | 27°49 | 24°57 | 12°25 | 12°59 | 24°22 | 25°14 | 24°52 | 12°32 | 20°33 | M11 |
| T 12 | 19 39 2 | 23°48'07 | 3♋14 | 2°51 | 18°49 | 18°12 | 27°41 | 24°59 | 12°28 | 13° 1 | 24°23 | 25° 4 | 24°49 | 12°39 | 20°36 | T 12 |
| W13 | 19 42 59 | 24°45'33 | 15°50 | 2°10 | 20° 2 | 18°49 | 27°33 | 25° 1 | 12°32 | 13° 2 | 24°25 | 24°52 | 24°45 | 12°46 | 20°38 | W13 |
| T 14 | 19 46 55 | 25°43'00 | 28°14 | 1°27 | 21°15 | 19°26 | 27°26 | 25° 3 | 12°36 | 13° 4 | 24°27 | 24°38 | 24°42 | 12°52 | 20°41 | T 14 |
| F 15 | 19 50 52 | 26°40'27 | 10♌29 | 0°42 | 22°28 | 20° 3 | 27°18 | 25° 5 | 12°39 | 13° 6 | 24°29 | 24°25 | 24°39 | 12°59 | 20°43 | F 15 |
| S 16 | 19 54 49 | 27°37'56 | 22°33 | 29♋55 | 23°41 | 20°40 | 27°10 | 25° 7 | 12°43 | 13° 7 | 24°30 | 24°13 | 24°36 | 13° 6 | 20°45 | S 16 |
| S 17 | 19 58 45 | 28°35'26 | 4♍29 | 29° 8 | 24°54 | 21°18 | 27° 2 | 25° 9 | 12°47 | 13° 9 | 24°32 | 24° 3 | 24°33 | 13°12 | 20°48 | S 17 |
| M18 | 20 2 42 | 29°32'57 | 16°20 | 28°21 | 26° 7 | 21°55 | 26°54 | 25°11 | 12°50 | 13°11 | 24°34 | 23°55 | 24°29 | 13°19 | 20°50 | M18 |
| T 19 | 20 6 38 | 0♌30'29 | 28° 7 | 27°36 | 27°20 | 22°33 | 26°47 | 25°14 | 12°54 | 13°13 | 24°36 | 23°51 | 24°26 | 13°26 | 20°52 | T 19 |
| W20 | 20 10 35 | 1°28'01 | 9♎56 | 26°53 | 28°33 | 23°10 | 26°39 | 25°16 | 12°58 | 13°14 | 24°37 | 23°49 | 24°23 | 13°33 | 20°54 | W20 |
| T 21 | 20 14 31 | 2°25'35 | 21°52 | 26°13 | 29°46 | 23°48 | 26°31 | 25°19 | 13° 1 | 13°16 | 24°39 | 23°D48 | 24°20 | 13°39 | 20°56 | T 21 |
| F 22 | 20 18 28 | 3°23'09 | 3♏59 | 25°37 | 0♍59 | 24°26 | 26°23 | 25°22 | 13° 5 | 13°18 | 24°41 | 23°R48 | 24°17 | 13°46 | 20°58 | F 22 |
| S 23 | 20 22 24 | 4°20'45 | 16°23 | 25° 5 | 2°11 | 25° 3 | 26°16 | 25°24 | 13° 9 | 13°20 | 24°42 | 23°48 | 24°14 | 13°53 | 21° 0 | S 23 |
| S 24 | 20 26 21 | 5°18'22 | 29° 9 | 24°39 | 3°24 | 25°41 | 26° 8 | 25°27 | 13°12 | 13°22 | 24°44 | 23°46 | 24°10 | 13°59 | 21° 2 | S 24 |
| M25 | 20 30 18 | 6°15'59 | 12♐21 | 24°19 | 4°37 | 26°19 | 26° 0 | 25°30 | 13°16 | 13°23 | 24°46 | 23°41 | 24° 7 | 14° 6 | 21° 4 | M25 |
| T 26 | 20 34 14 | 7°13'38 | 26° 2 | 24° 6 | 5°50 | 26°58 | 25°53 | 25°33 | 13°20 | 13°25 | 24°48 | 23°35 | 24° 4 | 14°13 | 21° 6 | T 26 |
| W27 | 20 38 11 | 8°11'18 | 10♑12 | 23°D59 | 7° 2 | 27°36 | 25°45 | 25°36 | 13°24 | 13°27 | 24°49 | 23°26 | 24° 1 | 14°19 | 21° 7 | W27 |
| T 28 | 20 42 7 | 9° 8'59 | 24°47 | 24° 0 | 8°15 | 28°14 | 25°38 | 25°39 | 13°27 | 13°29 | 24°51 | 23°16 | 23°58 | 14°26 | 21° 9 | T 28 |
| F 29 | 20 46 4 | 10° 6'42 | 9♒41 | 24° 7 | 9°28 | 28°52 | 25°31 | 25°43 | 13°31 | 13°31 | 24°53 | 23° 5 | 23°55 | 14°33 | 21°10 | F 29 |
| S 30 | 20 50 0 | 11° 4'25 | 24°45 | 24°23 | 10°40 | 29°31 | 25°23 | 25°46 | 13°35 | 13°33 | 24°54 | 22°56 | 23°51 | 14°39 | 21°12 | S 30 |
| S 31 | 20 53 57 | 12♌ 2'11 | 9♓49 | 24♋46 | 11♍53 | 0♎ 9 | 25♏16 | 25♎49 | 13♌38 | 13♍35 | 24♋56 | 22♎48 | 23♎48 | 14♍46 | 21♉13 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n54 | 15s11 | 5n 0 | 16n25 | 2s38 | 20n33 | 1n34 | 7n57 | 0n43 | 21s11 | 0s45 | 7s19 | 2n29 | 17n58 | 0n40 | 7n59 | 1n17 | 26n42 | 5n22 | 10s 4 | 9s52 | 4n 1 | 16n26 | 1s29 |
| S 2 | 22 48 | 11 43 | 4 44 | 16 10 | 2 52 | 20 14 | 1 34 | 7 42 | 0 42 | 21 13 | 0 45 | 7 20 | 2 29 | 17 57 | 0 40 | 7 59 | 1 17 | 26 41 | 5 22 | 10 0 | 9 51 | 3 59 | 16 26 | 1 29 |
| S 3 | 22 42 | 7 32 | 4 8 | 15 55 | 3 6 | 19 56 | 1 35 | 7 28 | 0 41 | 21 15 | 0 45 | 7 20 | 2 29 | 17 56 | 0 40 | 7 58 | 1 17 | 26 41 | 5 22 | 9 58 | 9 50 | 3 57 | 16 27 | 1 30 |
| M 4 | 22 35 | 2 56 | 3 17 | 15 42 | 3 19 | 19 36 | 1 35 | 7 13 | 0 40 | 21 16 | 0 45 | 7 21 | 2 29 | 17 55 | 0 40 | 7 58 | 1 17 | 26 41 | 5 22 | 9 56 | 9 49 | 3 55 | 16 28 | 1 30 |
| T 5 | 22 28 | 1n46 | 2 14 | 15 31 | 3 32 | 19 17 | 1 35 | 6 58 | 0 40 | 21 18 | 0 45 | 7 22 | 2 28 | 17 54 | 0 40 | 7 57 | 1 17 | 26 41 | 5 22 | 9 55 | 9 48 | 3 53 | 16 28 | 1 30 |
| W 6 | 22 21 | 6 18 | 1 3 | 15 22 | 3 44 | 18 56 | 1 35 | 6 43 | 0 39 | 21 20 | 0 46 | 7 22 | 2 28 | 17 53 | 0 40 | 7 57 | 1 17 | 26 40 | 5 22 | 9 55 | 9 47 | 3 51 | 16 29 | 1 30 |
| T 7 | 22 13 | 10 25 | 0s10 | 15 14 | 3 56 | 18 36 | 1 35 | 6 28 | 0 38 | 21 21 | 0 46 | 7 23 | 2 28 | 17 52 | 0 40 | 7 56 | 1 17 | 26 40 | 5 22 | 9 55 | 9 45 | 3 49 | 16 29 | 1 30 |
| F 8 | 22 5 | 13 55 | 1 21 | 15 8 | 4 7 | 18 14 | 1 34 | 6 13 | 0 37 | 21 23 | 0 46 | 7 24 | 2 28 | 17 51 | 0 40 | 7 55 | 1 17 | 26 40 | 5 22 | 9 54 | 9 44 | 3 47 | 16 30 | 1 30 |
| S 9 | 21 56 | 16 36 | 2 26 | 15 4 | 4 17 | 17 52 | 1 34 | 5 58 | 0 36 | 21 25 | 0 46 | 7 25 | 2 27 | 17 50 | 0 40 | 7 55 | 1 16 | 26 39 | 5 22 | 9 54 | 9 43 | 3 45 | 16 31 | 1 31 |
| S 10 | 21 47 | 18 21 | 3 22 | 15 2 | 4 26 | 17 30 | 1 34 | 5 43 | 0 35 | 21 27 | 0 46 | 7 25 | 2 27 | 17 49 | 0 40 | 7 54 | 1 16 | 26 39 | 5 22 | 9 52 | 9 42 | 3 43 | 16 31 | 1 31 |
| M11 | 21 38 | 19 7 | 4 7 | 15 3 | 4 34 | 17 7 | 1 33 | 5 28 | 0 34 | 21 28 | 0 46 | 7 26 | 2 27 | 17 48 | 0 40 | 7 54 | 1 16 | 26 39 | 5 22 | 9 49 | 9 41 | 3 41 | 16 32 | 1 31 |
| T 12 | 21 28 | 18 53 | 4 39 | 15 5 | 4 40 | 16 44 | 1 33 | 5 13 | 0 34 | 21 30 | 0 47 | 7 27 | 2 26 | 17 47 | 0 40 | 7 53 | 1 16 | 26 39 | 5 22 | 9 45 | 9 40 | 3 39 | 16 32 | 1 31 |
| W13 | 21 18 | 17 43 | 4 56 | 15 9 | 4 45 | 16 20 | 1 32 | 4 57 | 0 33 | 21 32 | 0 47 | 7 28 | 2 26 | 17 46 | 0 40 | 7 52 | 1 16 | 26 38 | 5 22 | 9 41 | 9 38 | 3 37 | 16 33 | 1 31 |
| T 14 | 21 7 | 15 44 | 4 59 | 15 15 | 4 49 | 15 56 | 1 32 | 4 42 | 0 32 | 21 33 | 0 47 | 7 29 | 2 26 | 17 45 | 0 40 | 7 52 | 1 16 | 26 38 | 5 23 | 9 36 | 9 37 | 3 35 | 16 33 | 1 32 |
| F 15 | 20 56 | 13 5 | 4 49 | 15 23 | 4 50 | 15 32 | 1 31 | 4 26 | 0 31 | 21 35 | 0 47 | 7 30 | 2 26 | 17 44 | 0 40 | 7 51 | 1 16 | 26 38 | 5 23 | 9 31 | 9 36 | 3 33 | 16 34 | 1 32 |
| S 16 | 20 45 | 9 54 | 4 25 | 15 33 | 4 50 | 15 7 | 1 30 | 4 11 | 0 30 | 21 37 | 0 47 | 7 31 | 2 25 | 17 43 | 0 40 | 7 50 | 1 16 | 26 38 | 5 23 | 9 26 | 9 35 | 3 31 | 16 34 | 1 32 |
| S 17 | 20 33 | 6 21 | 3 49 | 15 45 | 4 48 | 14 42 | 1 29 | 3 55 | 0 29 | 21 38 | 0 47 | 7 32 | 2 25 | 17 42 | 0 40 | 7 50 | 1 16 | 26 37 | 5 23 | 9 23 | 9 34 | 3 30 | 16 34 | 1 32 |
| M18 | 20 22 | 2 36 | 3 4 | 15 58 | 4 44 | 14 16 | 1 28 | 3 40 | 0 29 | 21 40 | 0 47 | 7 33 | 2 25 | 17 41 | 0 40 | 7 49 | 1 16 | 26 37 | 5 23 | 9 20 | 9 33 | 3 28 | 16 35 | 1 32 |
| T 19 | 20 9 | 1s16 | 2 12 | 16 12 | 4 38 | 13 50 | 1 27 | 3 24 | 0 28 | 21 42 | 0 47 | 7 34 | 2 25 | 17 40 | 0 40 | 7 48 | 1 16 | 26 37 | 5 23 | 9 18 | 9 31 | 3 26 | 16 35 | 1 32 |
| W20 | 19 57 | 5 4 | 1 13 | 16 28 | 4 31 | 13 23 | 1 26 | 3 8 | 0 27 | 21 43 | 0 48 | 7 35 | 2 24 | 17 39 | 0 40 | 7 48 | 1 16 | 26 37 | 5 23 | 9 17 | 9 30 | 3 24 | 16 36 | 1 33 |
| T 21 | 19 44 | 8 43 | 0 10 | 16 44 | 4 22 | 12 57 | 1 25 | 2 53 | 0 26 | 21 45 | 0 48 | 7 37 | 2 24 | 17 38 | 0 40 | 7 47 | 1 16 | 26 36 | 5 23 | 9 17 | 9 29 | 3 22 | 16 36 | 1 33 |
| F 22 | 19 30 | 12 4 | 0n54 | 17 1 | 4 11 | 12 29 | 1 24 | 2 37 | 0 25 | 21 46 | 0 48 | 7 38 | 2 24 | 17 37 | 0 40 | 7 46 | 1 16 | 26 36 | 5 23 | 9 17 | 9 28 | 3 20 | 16 36 | 1 33 |
| S 23 | 19 17 | 14 58 | 1 57 | 17 19 | 3 59 | 12 2 | 1 22 | 2 21 | 0 25 | 21 48 | 0 48 | 7 39 | 2 24 | 17 36 | 0 40 | 7 46 | 1 16 | 26 36 | 5 23 | 9 17 | 9 27 | 3 18 | 16 37 | 1 33 |
| S 24 | 19 3 | 17 13 | 2 56 | 17 37 | 3 46 | 11 34 | 1 21 | 2 5 | 0 24 | 21 50 | 0 48 | 7 40 | 2 23 | 17 35 | 0 40 | 7 45 | 1 16 | 26 36 | 5 23 | 9 16 | 9 26 | 3 16 | 16 37 | 1 33 |
| M25 | 18 49 | 18 38 | 3 48 | 17 54 | 3 31 | 11 6 | 1 20 | 1 49 | 0 23 | 21 51 | 0 48 | 7 42 | 2 23 | 17 34 | 0 40 | 7 44 | 1 16 | 26 36 | 5 24 | 9 15 | 9 24 | 3 14 | 16 37 | 1 34 |
| T 26 | 18 34 | 19 3 | 4 28 | 18 12 | 3 16 | 10 38 | 1 18 | 1 33 | 0 22 | 21 53 | 0 48 | 7 43 | 2 23 | 17 33 | 0 40 | 7 43 | 1 16 | 26 35 | 5 24 | 9 12 | 9 23 | 3 12 | 16 37 | 1 34 |
| W27 | 18 19 | 18 18 | 4 54 | 18 29 | 3 0 | 10 9 | 1 16 | 1 17 | 0 21 | 21 54 | 0 48 | 7 44 | 2 23 | 17 32 | 0 40 | 7 43 | 1 16 | 26 35 | 5 24 | 9 9 | 9 22 | 3 10 | 16 38 | 1 34 |
| T 28 | 18 4 | 16 20 | 5 2 | 18 45 | 2 43 | 9 41 | 1 15 | 1 1 | 0 21 | 21 56 | 0 48 | 7 46 | 2 22 | 17 31 | 0 40 | 7 42 | 1 16 | 26 35 | 5 24 | 9 5 | 9 21 | 3 8 | 16 38 | 1 34 |
| F 29 | 17 49 | 13 16 | 4 50 | 19 1 | 2 26 | 9 12 | 1 13 | 0 45 | 0 20 | 21 57 | 0 49 | 7 47 | 2 22 | 17 29 | 0 40 | 7 41 | 1 16 | 26 35 | 5 24 | 9 1 | 9 20 | 3 6 | 16 38 | 1 34 |
| S 30 | 17 33 | 9 18 | 4 17 | 19 15 | 2 9 | 8 42 | 1 11 | 0 29 | 0 19 | 21 59 | 0 49 | 7 49 | 2 22 | 17 28 | 0 40 | 7 40 | 1 16 | 26 34 | 5 24 | 8 58 | 9 18 | 3 4 | 16 38 | 1 34 |
| S 31 | 17n17 | 4s44 | 3n27 | 19n28 | 1s51 | 8n13 | 1n 9 | 0n13 | 0n18 | 22s 0 | 0s49 | 7s50 | 2n22 | 17n27 | 0n40 | 7n40 | 1n16 | 26n34 | 5n24 | 8s55 | 9s17 | 3n 2 | 16n39 | 1s35 |

Julian Day Number = 2069322.5, Delta T = 28m31s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'21, Lahiri = 9°16'22 Julian Calendar 1 July 953 == Greg. Calendar 6 July 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## AUGUST 953 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 57 53 | 12♌59'58 | 24♓45 | 25♋16 | 13♍ 6 | 0♎48 | 25°R 9 | 25♎53 | 13♌42 | 13♍37 | 24♋58 | 22°R43 | 23♎45 | 14♍53 | 21♉15 | M 1 |
| T 2 | 21 1 50 | 13°57'46 | 9♈24 | 25°55 | 14°18 | 1°26 | 25♏ 2 | 25°57 | 13°46 | 13°39 | 24°59 | 22♎40 | 23°42 | 14°59 | 21°16 | T 2 |
| W 3 | 21 5 47 | 14°55'37 | 23°43 | 26°40 | 15°31 | 2° 5 | 24°55 | 26° 0 | 13°50 | 13°41 | 25° 1 | 22°D40 | 23°39 | 15° 6 | 21°17 | W 3 |
| T 4 | 21 9 43 | 15°53'29 | 7♉40 | 27°33 | 16°43 | 2°44 | 24°48 | 26° 4 | 13°53 | 13°43 | 25° 3 | 22°40 | 23°35 | 15°13 | 21°19 | T 4 |
| F 5 | 21 13 40 | 16°51'23 | 21°16 | 28°33 | 17°56 | 3°23 | 24°42 | 26° 8 | 13°57 | 13°45 | 25° 4 | 22°R40 | 23°32 | 15°19 | 21°20 | F 5 |
| S 6 | 21 17 36 | 17°49'20 | 4♊31 | 29°39 | 19° 8 | 4° 2 | 24°35 | 26°12 | 14° 1 | 13°47 | 25° 6 | 22°39 | 23°29 | 15°26 | 21°21 | S 6 |
| S 7 | 21 21 33 | 18°47'18 | 17°30 | 0♌52 | 20°21 | 4°41 | 24°29 | 26°16 | 14° 5 | 13°49 | 25° 8 | 22°36 | 23°26 | 15°33 | 21°22 | S 7 |
| M 8 | 21 25 29 | 19°45'18 | 0♋14 | 2°10 | 21°33 | 5°20 | 24°22 | 26°20 | 14° 8 | 13°51 | 25° 9 | 22°30 | 23°23 | 15°39 | 21°23 | M 8 |
| T 9 | 21 29 26 | 20°43'20 | 12°45 | 3°35 | 22°45 | 5°59 | 24°16 | 26°24 | 14°12 | 13°53 | 25°11 | 22°21 | 23°20 | 15°46 | 21°24 | T 9 |
| W10 | 21 33 22 | 21°41'23 | 25° 5 | 5° 4 | 23°58 | 6°38 | 24°10 | 26°28 | 14°16 | 13°55 | 25°13 | 22°11 | 23°16 | 15°53 | 21°25 | W10 |
| T 11 | 21 37 19 | 22°39'29 | 7♌16 | 6°38 | 25°10 | 7°18 | 24° 4 | 26°33 | 14°19 | 13°57 | 25°14 | 22° 0 | 23°13 | 15°59 | 21°26 | T 11 |
| F 12 | 21 41 16 | 23°37'36 | 19°19 | 8°16 | 26°22 | 7°57 | 23°58 | 26°37 | 14°23 | 13°59 | 25°16 | 21°49 | 23°10 | 16° 6 | 21°26 | F 12 |
| S 13 | 21 45 12 | 24°35'45 | 1♍16 | 9°58 | 27°35 | 8°37 | 23°52 | 26°41 | 14°27 | 14° 1 | 25°17 | 21°39 | 23° 7 | 16°13 | 21°27 | S 13 |
| S 14 | 21 49 9 | 25°33'56 | 13° 7 | 11°42 | 28°47 | 9°16 | 23°47 | 26°46 | 14°31 | 14° 4 | 25°19 | 21°31 | 23° 4 | 16°19 | 21°27 | S 14 |
| M15 | 21 53 5 | 26°32'08 | 24°55 | 13°30 | 29°59 | 9°56 | 23°41 | 26°51 | 14°34 | 14° 6 | 25°20 | 21°25 | 23° 0 | 16°26 | 21°28 | M15 |
| T 16 | 21 57 2 | 27°30'22 | 6♎42 | 15°19 | 1♎11 | 10°36 | 23°36 | 26°55 | 14°38 | 14° 8 | 25°22 | 21°21 | 22°57 | 16°33 | 21°28 | T 16 |
| W17 | 22 0 58 | 28°28'38 | 18°32 | 17°11 | 2°23 | 11°16 | 23°31 | 27° 0 | 14°42 | 14°10 | 25°23 | 21°D20 | 22°54 | 16°39 | 21°29 | W17 |
| T 18 | 22 4 55 | 29°26'55 | 0♏28 | 19° 3 | 3°36 | 11°55 | 23°26 | 27° 5 | 14°45 | 14°12 | 25°25 | 21°20 | 22°51 | 16°46 | 21°29 | T 18 |
| F 19 | 22 8 51 | 0♍25'14 | 12°34 | 20°57 | 4°48 | 12°35 | 23°21 | 27°10 | 14°49 | 14°14 | 25°26 | 21°21 | 22°48 | 16°53 | 21°29 | F 19 |
| S 20 | 22 12 48 | 1°23'34 | 24°56 | 22°51 | 6° 0 | 13°15 | 23°16 | 27°15 | 14°53 | 14°17 | 25°28 | 21°22 | 22°45 | 16°59 | 21°30 | S 20 |
| S 21 | 22 16 45 | 2°21'57 | 7♐39 | 24°46 | 7°12 | 13°56 | 23°12 | 27°20 | 14°56 | 14°19 | 25°29 | 21°R22 | 22°41 | 17° 6 | 21°30 | S 21 |
| M22 | 22 20 41 | 3°20'20 | 20°46 | 26°40 | 8°24 | 14°36 | 23° 7 | 27°25 | 15° 0 | 14°21 | 25°31 | 21°21 | 22°38 | 17°13 | 21°30 | M22 |
| T 23 | 22 24 38 | 4°18'46 | 4♑22 | 28°35 | 9°36 | 15°16 | 23° 3 | 27°30 | 15° 3 | 14°23 | 25°32 | 21°18 | 22°35 | 17°19 | 21°R30 | T 23 |
| W24 | 22 28 34 | 5°17'13 | 18°27 | 0♍29 | 10°47 | 15°56 | 22°59 | 27°35 | 15° 7 | 14°25 | 25°34 | 21°12 | 22°32 | 17°26 | 21°30 | W24 |
| T 25 | 22 32 31 | 6°15'42 | 3♒ 0 | 2°23 | 11°59 | 16°37 | 22°56 | 27°40 | 15°11 | 14°28 | 25°35 | 21° 6 | 22°29 | 17°33 | 21°30 | T 25 |
| F 26 | 22 36 27 | 7°14'13 | 17°56 | 4°16 | 13°11 | 17°17 | 22°52 | 27°46 | 15°14 | 14°30 | 25°37 | 20°59 | 22°26 | 17°39 | 21°30 | F 26 |
| S 27 | 22 40 24 | 8°12'45 | 3♓ 8 | 6° 9 | 14°23 | 17°58 | 22°48 | 27°51 | 15°18 | 14°32 | 25°38 | 20°53 | 22°22 | 17°46 | 21°29 | S 27 |
| S 28 | 22 44 20 | 9°11'19 | 18°24 | 8° 0 | 15°35 | 18°39 | 22°45 | 27°57 | 15°21 | 14°34 | 25°39 | 20°48 | 22°19 | 17°53 | 21°29 | S 28 |
| M29 | 22 48 17 | 10° 9'55 | 3♈34 | 9°51 | 16°46 | 19°19 | 22°42 | 28° 2 | 15°25 | 14°36 | 25°41 | 20°45 | 22°16 | 17°59 | 21°29 | M29 |
| T 30 | 22 52 13 | 11° 8'34 | 18°30 | 11°41 | 17°58 | 20° 0 | 22°39 | 28° 8 | 15°28 | 14°39 | 25°42 | 20°D44 | 22°13 | 18° 6 | 21°28 | T 30 |
| W31 | 22 56 10 | 12♍ 7'14 | 3♉ 4 | 13♍30 | 19♎ 9 | 20♎41 | 22♏37 | 28♎13 | 15♌31 | 14♍41 | 25♋43 | 20♎45 | 22♎10 | 18♍13 | 21♉28 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n 0 | 0n 5 | 2n23 | 19n39 | 1s34 | 7n43 | 1n 7 | 0s 3 | 0n17 | 22s 1 | 0s49 | 7s52 | 2n21 | 17n26 | 0n40 | 7n39 | 1n16 | 26n34 | 5n24 | 8s53 | 9s16 | 3n 0 | 16n39 | 1s35 |
| T 2 | 16 44 | 4 49 | 1 10 | 19 49 | 1 17 | 7 13 | 1 5 | 0 19 | 0 17 | 22 3 | 0 49 | 7 53 | 2 21 | 17 25 | 0 40 | 7 38 | 1 16 | 26 34 | 5 24 | 8 52 | 9 15 | 2 58 | 16 39 | 1 35 |
| W 3 | 16 27 | 9 10 | 0s 6 | 19 57 | 1 0 | 6 43 | 1 3 | 0 35 | 0 16 | 22 4 | 0 49 | 7 55 | 2 21 | 17 24 | 0 40 | 7 37 | 1 16 | 26 34 | 5 24 | 8 52 | 9 14 | 2 57 | 16 39 | 1 35 |
| T 4 | 16 10 | 12 54 | 1 19 | 20 3 | 0 44 | 6 13 | 1 1 | 0 52 | 0 15 | 22 5 | 0 49 | 7 56 | 2 21 | 17 23 | 0 40 | 7 36 | 1 16 | 26 33 | 5 25 | 8 52 | 9 13 | 2 55 | 16 39 | 1 35 |
| F 5 | 15 52 | 15 49 | 2 26 | 20 7 | 0 28 | 5 42 | 0 59 | 1 8 | 0 14 | 22 7 | 0 49 | 7 58 | 2 20 | 17 22 | 0 40 | 7 36 | 1 16 | 26 33 | 5 25 | 8 52 | 9 11 | 2 53 | 16 39 | 1 36 |
| S 6 | 15 35 | 17 50 | 3 24 | 20 8 | 0 13 | 5 11 | 0 57 | 1 24 | 0 14 | 22 8 | 0 49 | 7 59 | 2 20 | 17 21 | 0 40 | 7 35 | 1 16 | 26 33 | 5 25 | 8 52 | 9 10 | 2 51 | 16 39 | 1 36 |
| S 7 | 15 17 | 18 51 | 4 9 | 20 6 | 0n 2 | 4 41 | 0 54 | 1 40 | 0 13 | 22 9 | 0 49 | 8 1 | 2 20 | 17 20 | 0 40 | 7 34 | 1 16 | 26 33 | 5 25 | 8 50 | 9 9 | 2 49 | 16 40 | 1 36 |
| M 8 | 14 58 | 18 53 | 4 42 | 20 2 | 0 15 | 4 10 | 0 52 | 1 57 | 0 12 | 22 10 | 0 49 | 8 3 | 2 20 | 17 19 | 0 40 | 7 33 | 1 16 | 26 33 | 5 25 | 8 48 | 9 8 | 2 47 | 16 40 | 1 36 |
| T 9 | 14 40 | 17 59 | 5 0 | 19 55 | 0 28 | 3 39 | 0 50 | 2 13 | 0 11 | 22 11 | 0 49 | 8 5 | 2 20 | 17 18 | 0 40 | 7 32 | 1 16 | 26 33 | 5 25 | 8 45 | 9 7 | 2 45 | 16 40 | 1 36 |
| W10 | 14 21 | 16 15 | 5 4 | 19 45 | 0 40 | 3 8 | 0 47 | 2 29 | 0 10 | 22 13 | 0 49 | 8 6 | 2 19 | 17 17 | 0 40 | 7 32 | 1 16 | 26 32 | 5 25 | 8 41 | 9 5 | 2 43 | 16 40 | 1 37 |
| T 11 | 14 2 | 13 49 | 4 53 | 19 32 | 0 51 | 2 37 | 0 44 | 2 46 | 0 10 | 22 14 | 0 49 | 8 8 | 2 19 | 17 15 | 0 40 | 7 31 | 1 16 | 26 32 | 5 26 | 8 37 | 9 4 | 2 41 | 16 40 | 1 37 |
| F 12 | 13 43 | 10 50 | 4 30 | 19 17 | 1 1 | 2 5 | 0 42 | 3 2 | 0 9 | 22 15 | 0 49 | 8 10 | 2 19 | 17 14 | 0 40 | 7 30 | 1 16 | 26 32 | 5 26 | 8 33 | 9 3 | 2 39 | 16 40 | 1 37 |
| S 13 | 13 24 | 7 25 | 3 55 | 18 58 | 1 10 | 1 34 | 0 39 | 3 18 | 0 8 | 22 16 | 0 49 | 8 12 | 2 19 | 17 13 | 0 40 | 7 29 | 1 16 | 26 32 | 5 26 | 8 29 | 9 2 | 2 37 | 16 40 | 1 37 |
| S 14 | 13 4 | 3 44 | 3 10 | 18 37 | 1 18 | 1 3 | 0 36 | 3 35 | 0 7 | 22 17 | 0 49 | 8 14 | 2 18 | 17 12 | 0 40 | 7 28 | 1 16 | 26 32 | 5 26 | 8 26 | 9 1 | 2 35 | 16 40 | 1 37 |
| M15 | 12 44 | 0s 4 | 2 17 | 18 13 | 1 25 | 0 31 | 0 34 | 3 51 | 0 7 | 22 18 | 0 50 | 8 15 | 2 18 | 17 11 | 0 40 | 7 27 | 1 16 | 26 32 | 5 26 | 8 24 | 9 0 | 2 33 | 16 40 | 1 38 |
| T 16 | 12 24 | 3 52 | 1 18 | 17 47 | 1 31 | 0s 0 | 0 31 | 4 8 | 0 6 | 22 19 | 0 50 | 8 17 | 2 18 | 17 10 | 0 40 | 7 27 | 1 16 | 26 31 | 5 26 | 8 22 | 8 58 | 2 31 | 16 39 | 1 38 |
| W17 | 12 4 | 7 32 | 0 15 | 17 18 | 1 36 | 0 32 | 0 28 | 4 24 | 0 5 | 22 20 | 0 50 | 8 19 | 2 18 | 17 9 | 0 40 | 7 26 | 1 16 | 26 31 | 5 26 | 8 22 | 8 57 | 2 29 | 16 39 | 1 38 |
| T 18 | 11 44 | 10 56 | 0n49 | 16 47 | 1 40 | 1 3 | 0 25 | 4 40 | 0 4 | 22 20 | 0 50 | 8 21 | 2 18 | 17 8 | 0 40 | 7 25 | 1 16 | 26 31 | 5 27 | 8 22 | 8 56 | 2 27 | 16 39 | 1 38 |
| F 19 | 11 23 | 13 55 | 1 52 | 16 13 | 1 43 | 1 35 | 0 22 | 4 57 | 0 4 | 22 21 | 0 50 | 8 23 | 2 17 | 17 7 | 0 40 | 7 24 | 1 16 | 26 31 | 5 27 | 8 22 | 8 55 | 2 25 | 16 39 | 1 38 |
| S 20 | 11 2 | 16 20 | 2 51 | 15 38 | 1 46 | 2 6 | 0 19 | 5 13 | 0 3 | 22 22 | 0 50 | 8 25 | 2 17 | 17 6 | 0 40 | 7 23 | 1 16 | 26 31 | 5 27 | 8 23 | 8 54 | 2 24 | 16 39 | 1 39 |
| S 21 | 10 41 | 18 2 | 3 44 | 15 2 | 1 47 | 2 38 | 0 16 | 5 29 | 0 2 | 22 23 | 0 50 | 8 27 | 2 17 | 17 5 | 0 40 | 7 22 | 1 16 | 26 31 | 5 27 | 8 23 | 8 52 | 2 22 | 16 39 | 1 39 |
| M22 | 10 20 | 18 49 | 4 26 | 14 23 | 1 48 | 3 9 | 0 13 | 5 46 | 0 2 | 22 24 | 0 50 | 8 29 | 2 17 | 17 4 | 0 40 | 7 22 | 1 16 | 26 31 | 5 27 | 8 22 | 8 51 | 2 20 | 16 39 | 1 39 |
| T 23 | 9 59 | 18 34 | 4 56 | 13 44 | 1 48 | 3 41 | 0 9 | 6 2 | 0 1 | 22 24 | 0 50 | 8 31 | 2 17 | 17 3 | 0 40 | 7 21 | 1 16 | 26 31 | 5 27 | 8 21 | 8 50 | 2 18 | 16 39 | 1 39 |
| W24 | 9 37 | 17 12 | 5 9 | 13 3 | 1 48 | 4 12 | 0 6 | 6 18 | 0 0 | 22 25 | 0 50 | 8 33 | 2 16 | 17 2 | 0 40 | 7 20 | 1 16 | 26 30 | 5 27 | 8 19 | 8 49 | 2 16 | 16 38 | 1 39 |
| T 25 | 9 16 | 14 41 | 5 2 | 12 21 | 1 47 | 4 43 | 0 3 | 6 34 | 0s 1 | 22 26 | 0 50 | 8 35 | 2 16 | 17 1 | 0 40 | 7 19 | 1 16 | 26 30 | 5 28 | 8 17 | 8 48 | 2 14 | 16 38 | 1 40 |
| F 26 | 8 54 | 11 10 | 4 36 | 11 38 | 1 45 | 5 14 | 0s 0 | 6 51 | 0 1 | 22 26 | 0 50 | 8 37 | 2 16 | 17 0 | 0 40 | 7 18 | 1 16 | 26 30 | 5 28 | 8 14 | 8 47 | 2 12 | 16 38 | 1 40 |
| S 27 | 8 32 | 6 51 | 3 50 | 10 54 | 1 43 | 5 45 | 0 4 | 7 7 | 0 2 | 22 27 | 0 50 | 8 39 | 2 16 | 16 59 | 0 40 | 7 17 | 1 16 | 26 30 | 5 28 | 8 12 | 8 45 | 2 10 | 16 38 | 1 40 |
| S 28 | 8 10 | 2 4 | 2 47 | 10 9 | 1 40 | 6 16 | 0 7 | 7 23 | 0 3 | 22 27 | 0 50 | 8 41 | 2 16 | 16 58 | 0 40 | 7 16 | 1 16 | 26 30 | 5 28 | 8 10 | 8 44 | 2 8 | 16 37 | 1 40 |
| M29 | 7 48 | 2n50 | 1 32 | 9 24 | 1 37 | 6 47 | 0 10 | 7 39 | 0 3 | 22 28 | 0 50 | 8 44 | 2 15 | 16 57 | 0 40 | 7 16 | 1 16 | 26 30 | 5 28 | 8 9 | 8 43 | 2 6 | 16 37 | 1 40 |
| T 30 | 7 26 | 7 29 | 0 12 | 8 39 | 1 33 | 7 18 | 0 14 | 7 56 | 0 4 | 22 28 | 0 50 | 8 46 | 2 15 | 16 55 | 0 40 | 7 15 | 1 16 | 26 30 | 5 28 | 8 8 | 8 42 | 2 4 | 16 37 | 1 41 |
| W31 | 7n 3 | 11n33 | 1s 7 | 7n53 | 1n29 | 7s48 | 0s17 | 8s12 | 0s 5 | 22s29 | 0s50 | 8s48 | 2n15 | 16n54 | 0n40 | 7n14 | 1n16 | 26n30 | 5n29 | 8s 9 | 8s41 | 2n 2 | 16n36 | 1s41 |

Julian Day Number = 2069353.5, Delta T = 28m31s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'25, Lahiri = 9°16'26 Julian Calendar 1 Aug. 953 == Greg. Calendar 6 Aug. 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## SEPTEMBER 953 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 0 7 | 13♍ 5'57 | 17♉13 | 15♍19 | 20♎21 | 21♎22 | 22°R34 | 28♎19 | 15♏35 | 14♍43 | 25♋44 | 20♎46 | 22♎ 6 | 18♍19 | 21°R27 | T 1 |
| F 2 | 23 4 3 | 14° 4'43 | 0♊56 | 17° 6 | 21°32 | 22° 3 | 22♑32 | 28°25 | 15°38 | 14°45 | 25°46 | 20°47 | 22° 3 | 18°26 | 21♉26 | F 2 |
| S 3 | 23 8 0 | 15° 3'30 | 14°14 | 18°52 | 22°44 | 22°44 | 22°30 | 28°30 | 15°42 | 14°48 | 25°47 | 20°R48 | 22° 0 | 18°33 | 21°26 | S 3 |
| S 4 | 23 11 56 | 16° 2'20 | 27°11 | 20°38 | 23°55 | 23°25 | 22°28 | 28°36 | 15°45 | 14°50 | 25°48 | 20°47 | 21°57 | 18°39 | 21°25 | S 4 |
| M 5 | 23 15 53 | 17° 1'13 | 9♋48 | 22°22 | 25° 7 | 24° 6 | 22°26 | 28°42 | 15°48 | 14°52 | 25°49 | 20°45 | 21°54 | 18°46 | 21°24 | M 5 |
| T 6 | 23 19 49 | 18° 0'07 | 22°11 | 24° 5 | 26°18 | 24°47 | 22°24 | 28°48 | 15°52 | 14°54 | 25°51 | 20°42 | 21°51 | 18°53 | 21°23 | T 6 |
| W 7 | 23 23 46 | 18°59'04 | 4♌21 | 25°48 | 27°29 | 25°29 | 22°23 | 28°54 | 15°55 | 14°57 | 25°52 | 20°37 | 21°47 | 18°59 | 21°22 | W 7 |
| T 8 | 23 27 42 | 19°58'03 | 16°22 | 27°30 | 28°40 | 26°10 | 22°22 | 29° 0 | 15°58 | 14°59 | 25°53 | 20°31 | 21°44 | 19° 6 | 21°21 | T 8 |
| F 9 | 23 31 39 | 20°57'05 | 28°17 | 29°10 | 29°52 | 26°52 | 22°21 | 29° 6 | 16° 2 | 15° 1 | 25°54 | 20°26 | 21°41 | 19°13 | 21°20 | F 9 |
| S 10 | 23 35 36 | 21°56'08 | 10♍ 8 | 0♎50 | 1♏ 3 | 27°33 | 22°20 | 29°12 | 16° 5 | 15° 3 | 25°55 | 20°21 | 21°38 | 19°19 | 21°19 | S 10 |
| S 11 | 23 39 32 | 22°55'14 | 21°57 | 2°29 | 2°14 | 28°15 | 22°20 | 29°19 | 16° 8 | 15° 5 | 25°56 | 20°17 | 21°35 | 19°26 | 21°18 | S 11 |
| M12 | 23 43 29 | 23°54'21 | 3♎45 | 4° 7 | 3°25 | 28°57 | 22°19 | 29°25 | 16°11 | 15° 8 | 25°57 | 20°15 | 21°31 | 19°33 | 21°16 | M12 |
| T 13 | 23 47 25 | 24°53'31 | 15°36 | 5°44 | 4°36 | 29°39 | 22°D19 | 29°31 | 16°14 | 15°10 | 25°58 | 20°D13 | 21°28 | 19°39 | 21°15 | T 13 |
| W14 | 23 51 22 | 25°52'43 | 27°30 | 7°21 | 5°47 | 0♏21 | 22°19 | 29°37 | 16°17 | 15°12 | 25°59 | 20°13 | 21°25 | 19°46 | 21°14 | W14 |
| T 15 | 23 55 18 | 26°51'56 | 9♏32 | 8°57 | 6°57 | 1° 2 | 22°19 | 29°44 | 16°20 | 15°14 | 26° 0 | 20°15 | 21°22 | 19°53 | 21°12 | T 15 |
| F 16 | 23 59 15 | 27°51'12 | 21°43 | 10°32 | 8° 8 | 1°44 | 22°20 | 29°50 | 16°23 | 15°16 | 26° 1 | 20°16 | 21°19 | 19°59 | 21°11 | F 16 |
| S 17 | 0 3 11 | 28°50'30 | 4♐ 9 | 12° 6 | 9°19 | 2°27 | 22°20 | 29°57 | 16°26 | 15°19 | 26° 2 | 20°18 | 21°16 | 20° 6 | 21° 9 | S 17 |
| S 18 | 0 7 8 | 29°49'49 | 16°51 | 13°39 | 10°30 | 3° 9 | 22°21 | 0♏ 3 | 16°29 | 15°21 | 26° 3 | 20°19 | 21°12 | 20°13 | 21° 8 | S 18 |
| M19 | 0 11 5 | 0♎49'10 | 29°55 | 15°12 | 11°40 | 3°51 | 22°22 | 0°10 | 16°32 | 15°23 | 26° 4 | 20°R19 | 21° 9 | 20°19 | 21° 6 | M19 |
| T 20 | 0 15 1 | 1°48'33 | 13♑23 | 16°43 | 12°51 | 4°33 | 22°23 | 0°16 | 16°35 | 15°25 | 26° 5 | 20°19 | 21° 6 | 20°26 | 21° 4 | T 20 |
| W21 | 0 18 58 | 2°47'58 | 27°17 | 18°15 | 14° 1 | 5°16 | 22°25 | 0°23 | 16°38 | 15°27 | 26° 6 | 20°18 | 21° 3 | 20°33 | 21° 2 | W21 |
| T 22 | 0 22 54 | 3°47'25 | 11♒36 | 19°45 | 15°12 | 5°58 | 22°26 | 0°29 | 16°41 | 15°29 | 26° 7 | 20°16 | 21° 0 | 20°39 | 21° 0 | T 22 |
| F 23 | 0 26 51 | 4°46'53 | 26°19 | 21°15 | 16°22 | 6°41 | 22°28 | 0°36 | 16°44 | 15°32 | 26° 7 | 20°14 | 20°57 | 20°46 | 20°59 | F 23 |
| S 24 | 0 30 47 | 5°46'24 | 11♓20 | 22°43 | 17°32 | 7°23 | 22°30 | 0°43 | 16°47 | 15°34 | 26° 8 | 20°12 | 20°53 | 20°53 | 20°57 | S 24 |
| S 25 | 0 34 44 | 6°45'56 | 26°30 | 24°12 | 18°42 | 8° 6 | 22°32 | 0°49 | 16°49 | 15°36 | 26° 9 | 20°11 | 20°50 | 20°59 | 20°55 | S 25 |
| M26 | 0 38 40 | 7°45'30 | 11♈41 | 25°39 | 19°52 | 8°48 | 22°35 | 0°56 | 16°52 | 15°38 | 26°10 | 20°10 | 20°47 | 21° 6 | 20°52 | M26 |
| T 27 | 0 42 37 | 8°45'06 | 26°43 | 27° 6 | 21° 2 | 9°31 | 22°37 | 1° 3 | 16°55 | 15°40 | 26°10 | 20°D10 | 20°44 | 21°13 | 20°50 | T 27 |
| W28 | 0 46 33 | 9°44'45 | 11♉27 | 28°32 | 22°12 | 10°14 | 22°40 | 1°10 | 16°57 | 15°42 | 26°11 | 20°11 | 20°41 | 21°19 | 20°48 | W28 |
| T 29 | 0 50 30 | 10°44'25 | 25°47 | 29°57 | 23°22 | 10°57 | 22°43 | 1°17 | 17° 0 | 15°44 | 26°12 | 20°11 | 20°37 | 21°26 | 20°46 | T 29 |
| F 30 | 0 54 27 | 11♎44'08 | 9♊42 | 1♏21 | 24♏32 | 11♏40 | 22♑46 | 1♏23 | 17♌ 2 | 15♍46 | 26♋12 | 20♎12 | 20♎34 | 21♍33 | 20♉44 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n41 | 14n50 | 2s19 | 7n 7 | 1n25 | 8s19 | 0s21 | 8s28 | 0s 6 | 22s29 | 0s50 | 8s50 | 2n15 | 16n53 | 0n40 | 7n13 | 1n16 | 26n30 | 5n29 | 8s 9 | 8s39 | 2n 0 | 16n36 | 1s41 |
| F 2 | 6 18 | 17 10 | 3 22 | 6 21 | 1 20 | 8 49 | 0 24 | 8 44 | 0 6 | 22 30 | 0 50 | 8 52 | 2 15 | 16 52 | 0 40 | 7 12 | 1 16 | 26 30 | 5 29 | 8 10 | 8 38 | 1 58 | 16 36 | 1 41 |
| S 3 | 5 55 | 18 29 | 4 11 | 5 34 | 1 15 | 9 19 | 0 28 | 9 0 | 0 7 | 22 30 | 0 50 | 8 54 | 2 15 | 16 51 | 0 40 | 7 11 | 1 16 | 26 30 | 5 29 | 8 10 | 8 37 | 1 56 | 16 35 | 1 41 |
| S 4 | 5 32 | 18 46 | 4 46 | 4 48 | 1 9 | 9 49 | 0 31 | 9 16 | 0 8 | 22 30 | 0 50 | 8 57 | 2 14 | 16 51 | 0 40 | 7 10 | 1 16 | 26 29 | 5 29 | 8 10 | 8 36 | 1 55 | 16 35 | 1 42 |
| M 5 | 5 9 | 18 7 | 5 7 | 4 1 | 1 4 | 10 19 | 0 35 | 9 32 | 0 8 | 22 31 | 0 50 | 8 59 | 2 14 | 16 50 | 0 40 | 7 10 | 1 16 | 26 29 | 5 30 | 8 9 | 8 35 | 1 53 | 16 34 | 1 42 |
| T 6 | 4 46 | 16 36 | 5 12 | 3 15 | 0 58 | 10 48 | 0 38 | 9 48 | 0 9 | 22 31 | 0 50 | 9 1 | 2 14 | 16 49 | 0 40 | 7 9 | 1 16 | 26 29 | 5 30 | 8 7 | 8 33 | 1 51 | 16 34 | 1 42 |
| W 7 | 4 23 | 14 22 | 5 3 | 2 28 | 0 52 | 11 17 | 0 42 | 10 3 | 0 10 | 22 31 | 0 49 | 9 3 | 2 14 | 16 48 | 0 40 | 7 8 | 1 16 | 26 29 | 5 30 | 8 6 | 8 32 | 1 49 | 16 34 | 1 42 |
| T 8 | 4 0 | 11 32 | 4 41 | 1 42 | 0 46 | 11 46 | 0 45 | 10 19 | 0 10 | 22 31 | 0 49 | 9 6 | 2 14 | 16 47 | 0 40 | 7 7 | 1 16 | 26 29 | 5 30 | 8 4 | 8 31 | 1 47 | 16 33 | 1 42 |
| F 9 | 3 36 | 8 16 | 4 7 | 0 56 | 0 40 | 12 15 | 0 49 | 10 35 | 0 11 | 22 31 | 0 49 | 9 8 | 2 14 | 16 46 | 0 40 | 7 6 | 1 16 | 26 29 | 5 30 | 8 1 | 8 30 | 1 45 | 16 33 | 1 43 |
| S 10 | 3 13 | 4 41 | 3 23 | 0 10 | 0 33 | 12 43 | 0 53 | 10 51 | 0 12 | 22 31 | 0 49 | 9 10 | 2 14 | 16 45 | 0 40 | 7 5 | 1 16 | 26 29 | 5 31 | 8 0 | 8 29 | 1 43 | 16 32 | 1 43 |
| S 11 | 2 50 | 0 56 | 2 29 | 0s35 | 0 27 | 13 12 | 0 56 | 11 6 | 0 12 | 22 31 | 0 49 | 9 13 | 2 13 | 16 44 | 0 40 | 7 4 | 1 16 | 26 29 | 5 31 | 7 58 | 8 27 | 1 41 | 16 32 | 1 43 |
| M12 | 2 26 | 2s52 | 1 29 | 1 21 | 0 20 | 13 39 | 1 0 | 11 22 | 0 13 | 22 31 | 0 49 | 9 15 | 2 13 | 16 43 | 0 40 | 7 4 | 1 16 | 26 29 | 5 31 | 7 57 | 8 26 | 1 39 | 16 31 | 1 43 |
| T 13 | 2 2 | 6 34 | 0 25 | 2 6 | 0 13 | 14 7 | 1 3 | 11 37 | 0 14 | 22 31 | 0 49 | 9 17 | 2 13 | 16 42 | 0 40 | 7 3 | 1 16 | 26 29 | 5 31 | 7 57 | 8 25 | 1 37 | 16 31 | 1 43 |
| W14 | 1 39 | 10 1 | 0n40 | 2 50 | 0 6 | 14 34 | 1 7 | 11 53 | 0 14 | 22 31 | 0 49 | 9 20 | 2 13 | 16 41 | 0 40 | 7 2 | 1 16 | 26 29 | 5 31 | 7 57 | 8 24 | 1 35 | 16 30 | 1 44 |
| T 15 | 1 15 | 13 6 | 1 45 | 3 35 | 0s 1 | 15 1 | 1 11 | 12 8 | 0 15 | 22 31 | 0 49 | 9 22 | 2 13 | 16 40 | 0 40 | 7 1 | 1 16 | 26 29 | 5 31 | 7 57 | 8 23 | 1 33 | 16 30 | 1 44 |
| F 16 | 0 52 | 15 38 | 2 45 | 4 18 | 0 8 | 15 28 | 1 14 | 12 24 | 0 16 | 22 31 | 0 49 | 9 24 | 2 13 | 16 39 | 0 40 | 7 0 | 1 16 | 26 29 | 5 32 | 7 58 | 8 21 | 1 31 | 16 29 | 1 44 |
| S 17 | 0 28 | 17 30 | 3 39 | 5 2 | 0 15 | 15 54 | 1 18 | 12 39 | 0 16 | 22 31 | 0 49 | 9 27 | 2 13 | 16 38 | 0 40 | 6 59 | 1 16 | 26 29 | 5 32 | 7 58 | 8 20 | 1 29 | 16 28 | 1 44 |
| S 18 | 0 4 | 18 32 | 4 24 | 5 45 | 0 22 | 16 20 | 1 21 | 12 54 | 0 17 | 22 31 | 0 49 | 9 29 | 2 12 | 16 37 | 0 41 | 6 59 | 1 16 | 26 29 | 5 32 | 7 59 | 8 19 | 1 27 | 16 28 | 1 44 |
| M19 | 0s20 | 18 38 | 4 57 | 6 28 | 0 29 | 16 46 | 1 25 | 13 9 | 0 18 | 22 31 | 0 49 | 9 32 | 2 12 | 16 37 | 0 41 | 6 58 | 1 16 | 26 29 | 5 32 | 7 59 | 8 18 | 1 26 | 16 27 | 1 45 |
| T 20 | 0 43 | 17 41 | 5 14 | 7 10 | 0 36 | 17 11 | 1 28 | 13 24 | 0 18 | 22 30 | 0 49 | 9 34 | 2 12 | 16 36 | 0 41 | 6 57 | 1 16 | 26 29 | 5 33 | 7 59 | 8 17 | 1 24 | 16 26 | 1 45 |
| W21 | 1 7 | 15 41 | 5 14 | 7 51 | 0 43 | 17 36 | 1 32 | 13 39 | 0 19 | 22 30 | 0 49 | 9 36 | 2 12 | 16 35 | 0 41 | 6 56 | 1 16 | 26 29 | 5 33 | 7 58 | 8 15 | 1 22 | 16 26 | 1 45 |
| T 22 | 1 31 | 12 40 | 4 55 | 8 32 | 0 50 | 18 0 | 1 35 | 13 54 | 0 20 | 22 30 | 0 49 | 9 39 | 2 12 | 16 34 | 0 41 | 6 55 | 1 16 | 26 29 | 5 33 | 7 58 | 8 14 | 1 20 | 16 25 | 1 45 |
| F 23 | 1 55 | 8 48 | 4 16 | 9 13 | 0 57 | 18 24 | 1 39 | 14 8 | 0 20 | 22 29 | 0 49 | 9 41 | 2 12 | 16 33 | 0 41 | 6 54 | 1 16 | 26 29 | 5 33 | 7 57 | 8 13 | 1 18 | 16 24 | 1 45 |
| S 24 | 2 18 | 4 17 | 3 19 | 9 52 | 1 4 | 18 47 | 1 42 | 14 23 | 0 21 | 22 29 | 0 49 | 9 44 | 2 12 | 16 32 | 0 41 | 6 54 | 1 16 | 26 29 | 5 33 | 7 56 | 8 12 | 1 16 | 16 24 | 1 45 |
| S 25 | 2 42 | 0n33 | 2 8 | 10 32 | 1 11 | 19 10 | 1 45 | 14 38 | 0 22 | 22 29 | 0 49 | 9 46 | 2 12 | 16 32 | 0 41 | 6 53 | 1 16 | 26 30 | 5 34 | 7 56 | 8 11 | 1 14 | 16 23 | 1 46 |
| M26 | 3 6 | 5 22 | 0 47 | 11 10 | 1 17 | 19 33 | 1 49 | 14 52 | 0 22 | 22 28 | 0 49 | 9 49 | 2 12 | 16 31 | 0 41 | 6 52 | 1 16 | 26 30 | 5 34 | 7 56 | 8 9 | 1 12 | 16 22 | 1 46 |
| T 27 | 3 29 | 9 48 | 0s36 | 11 48 | 1 24 | 19 55 | 1 52 | 15 6 | 0 23 | 22 28 | 0 49 | 9 51 | 2 11 | 16 30 | 0 41 | 6 51 | 1 16 | 26 30 | 5 34 | 7 56 | 8 8 | 1 10 | 16 22 | 1 46 |
| W28 | 3 53 | 13 31 | 1 55 | 12 25 | 1 31 | 20 17 | 1 55 | 15 21 | 0 24 | 22 27 | 0 49 | 9 53 | 2 11 | 16 29 | 0 41 | 6 50 | 1 16 | 26 30 | 5 34 | 7 56 | 8 7 | 1 8 | 16 21 | 1 46 |
| T 29 | 4 16 | 16 19 | 3 5 | 13 2 | 1 37 | 20 38 | 1 59 | 15 35 | 0 24 | 22 27 | 0 49 | 9 56 | 2 11 | 16 29 | 0 41 | 6 50 | 1 16 | 26 30 | 5 34 | 7 56 | 8 6 | 1 6 | 16 20 | 1 46 |
| F 30 | 4s40 | 18n 2 | 4s 2 | 13s37 | 1s43 | 20s59 | 2s 2 | 15s49 | 0s25 | 22s26 | 0s49 | 9s58 | 2n11 | 16n28 | 0n41 | 6n49 | 1n16 | 26n30 | 5n35 | 7s56 | 8s 5 | 1n 4 | 16n19 | 1s47 |

Julian Day Number = 2069384.5, Delta T = 28m30s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'30, Lahiri = 9°16'30 Julian Calendar 1 Sept. 953 == Greg. Calendar 6 Sept. 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## OCTOBER 953 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 58 23 | 12♎43'54 | 23♊ 9 | 2♏45 | 25♏42 | 12♏23 | 22♑50 | 1♏30 | 17♌ 5 | 15♍48 | 26♋13 | 20♎13 | 20♎31 | 21♍39 | 20°R41 | S 1 |
| S 2 | 1 2 20 | 13°43'41 | 6♋10 | 4° 7 | 26°51 | 13° 6 | 22°53 | 1°37 | 17° 7 | 15°50 | 26°14 | 20°13 | 20°28 | 21°46 | 20♉39 | S 2 |
| M 3 | 1 6 16 | 14°43'31 | 18°50 | 5°29 | 28° 1 | 13°49 | 22°57 | 1°44 | 17°10 | 15°52 | 26°14 | 20°R13 | 20°25 | 21°53 | 20°37 | M 3 |
| T 4 | 1 10 13 | 15°43'23 | 1♌10 | 6°49 | 29°10 | 14°32 | 23° 1 | 1°51 | 17°12 | 15°54 | 26°15 | 20°13 | 20°22 | 21°59 | 20°34 | T 4 |
| W 5 | 1 14 9 | 16°43'18 | 13°17 | 8° 9 | 0♐19 | 15°16 | 23° 5 | 1°58 | 17°15 | 15°56 | 26°15 | 20°13 | 20°18 | 22° 6 | 20°32 | W 5 |
| T 6 | 1 18 6 | 17°43'14 | 25°13 | 9°27 | 1°28 | 15°59 | 23° 9 | 2° 5 | 17°17 | 15°58 | 26°16 | 20°12 | 20°15 | 22°13 | 20°29 | T 6 |
| F 7 | 1 22 2 | 18°43'13 | 7♍ 4 | 10°44 | 2°38 | 16°43 | 23°14 | 2°12 | 17°19 | 16° 0 | 26°16 | 20°12 | 20°12 | 22°19 | 20°26 | F 7 |
| S 8 | 1 25 59 | 19°43'14 | 18°52 | 12° 0 | 3°47 | 17°26 | 23°18 | 2°19 | 17°21 | 16° 2 | 26°17 | 20°D12 | 20° 9 | 22°26 | 20°24 | S 8 |
| S 9 | 1 29 56 | 20°43'17 | 0♎41 | 13°14 | 4°55 | 18°10 | 23°23 | 2°26 | 17°23 | 16° 4 | 26°17 | 20°12 | 20° 6 | 22°33 | 20°21 | S 9 |
| M10 | 1 33 52 | 21°43'22 | 12°33 | 14°27 | 6° 4 | 18°53 | 23°28 | 2°33 | 17°26 | 16° 6 | 26°17 | 20°12 | 20° 3 | 22°39 | 20°18 | M10 |
| T 11 | 1 37 49 | 22°43'29 | 24°30 | 15°38 | 7°13 | 19°37 | 23°33 | 2°40 | 17°28 | 16° 8 | 26°18 | 20°R12 | 19°59 | 22°46 | 20°16 | T 11 |
| W12 | 1 41 45 | 23°43'38 | 6♏35 | 16°47 | 8°21 | 20°21 | 23°39 | 2°47 | 17°30 | 16°10 | 26°18 | 20°12 | 19°56 | 22°53 | 20°13 | W12 |
| T 13 | 1 45 42 | 24°43'48 | 18°49 | 17°53 | 9°30 | 21° 5 | 23°44 | 2°54 | 17°32 | 16°12 | 26°18 | 20°12 | 19°53 | 22°59 | 20°10 | T 13 |
| F 14 | 1 49 38 | 25°44'01 | 1♐14 | 18°57 | 10°38 | 21°48 | 23°50 | 3° 2 | 17°33 | 16°14 | 26°19 | 20°11 | 19°50 | 23° 6 | 20° 7 | F 14 |
| S 15 | 1 53 35 | 26°44'15 | 13°52 | 19°59 | 11°46 | 22°32 | 23°56 | 3° 9 | 17°35 | 16°15 | 26°19 | 20°10 | 19°47 | 23°13 | 20° 4 | S 15 |
| S 16 | 1 57 31 | 27°44'31 | 26°43 | 20°57 | 12°54 | 23°16 | 24° 2 | 3°16 | 17°37 | 16°17 | 26°19 | 20° 9 | 19°43 | 23°19 | 20° 1 | S 16 |
| M17 | 2 1 28 | 28°44'48 | 9♑51 | 21°52 | 14° 2 | 24° 1 | 24° 8 | 3°23 | 17°39 | 16°19 | 26°19 | 20° 8 | 19°40 | 23°26 | 19°58 | M17 |
| T 18 | 2 5 25 | 29°45'07 | 23°17 | 22°43 | 15°10 | 24°45 | 24°14 | 3°30 | 17°41 | 16°21 | 26°19 | 20°D 8 | 19°37 | 23°33 | 19°55 | T 18 |
| W19 | 2 9 21 | 0♏45'28 | 7♒ 2 | 23°30 | 16°18 | 25°29 | 24°21 | 3°37 | 17°42 | 16°22 | 26°19 | 20° 8 | 19°34 | 23°39 | 19°52 | W19 |
| T 20 | 2 13 18 | 1°45'49 | 21° 6 | 24°11 | 17°25 | 26°13 | 24°28 | 3°44 | 17°44 | 16°24 | 26°19 | 20° 9 | 19°31 | 23°46 | 19°49 | T 20 |
| F 21 | 2 17 14 | 2°46'13 | 5♓29 | 24°48 | 18°32 | 26°57 | 24°34 | 3°52 | 17°46 | 16°26 | 26°20 | 20° 9 | 19°28 | 23°53 | 19°46 | F 21 |
| S 22 | 2 21 11 | 3°46'37 | 20° 7 | 25°18 | 19°39 | 27°42 | 24°41 | 3°59 | 17°47 | 16°27 | 26°20 | 20°10 | 19°24 | 23°59 | 19°43 | S 22 |
| S 23 | 2 25 7 | 4°47'03 | 4♈56 | 25°42 | 20°46 | 28°26 | 24°49 | 4° 6 | 17°49 | 16°29 | 26°R20 | 20°11 | 19°21 | 24° 6 | 19°40 | S 23 |
| M24 | 2 29 4 | 5°47'31 | 19°50 | 25°58 | 21°53 | 29°11 | 24°56 | 4°13 | 17°50 | 16°31 | 26°20 | 20°R12 | 19°18 | 24°13 | 19°37 | M24 |
| T 25 | 2 33 0 | 6°48'00 | 4♉40 | 26°R 6 | 23° 0 | 29°55 | 25° 3 | 4°20 | 17°51 | 16°32 | 26°20 | 20°11 | 19°15 | 24°19 | 19°34 | T 25 |
| W26 | 2 36 57 | 7°48'31 | 19°20 | 26° 5 | 24° 6 | 0♐40 | 25°11 | 4°27 | 17°53 | 16°34 | 26°19 | 20°10 | 19°12 | 24°26 | 19°31 | W26 |
| T 27 | 2 40 53 | 8°49'03 | 3♊42 | 25°55 | 25°12 | 1°25 | 25°19 | 4°34 | 17°54 | 16°35 | 26°19 | 20° 8 | 19° 8 | 24°33 | 19°27 | T 27 |
| F 28 | 2 44 50 | 9°49'37 | 17°42 | 25°34 | 26°18 | 2° 9 | 25°27 | 4°42 | 17°55 | 16°37 | 26°19 | 20° 5 | 19° 5 | 24°39 | 19°24 | F 28 |
| S 29 | 2 48 47 | 10°50'13 | 1♋16 | 25° 3 | 27°24 | 2°54 | 25°35 | 4°49 | 17°56 | 16°38 | 26°19 | 20° 2 | 19° 2 | 24°46 | 19°21 | S 29 |
| S 30 | 2 52 43 | 11°50'51 | 14°25 | 24°22 | 28°29 | 3°39 | 25°43 | 4°56 | 17°57 | 16°40 | 26°19 | 19°59 | 18°59 | 24°53 | 19°18 | S 30 |
| M31 | 2 56 40 | 12♏51'30 | 27♋ 9 | 23♏30 | 29♐35 | 4♐24 | 25♑51 | 5♏ 3 | 17♌58 | 16♍41 | 26♋19 | 19♎57 | 18♎56 | 24♍59 | 19♉14 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 3 | 18n41 | 4s43 | 14s12 | 1s49 | 21s19 | 2s 5 | 16s 2 | 0s25 | 22s26 | 0s49 | 10s 1 | 2n11 | 16n27 | 0n41 | 6n48 | 1n16 | 26n30 | 5n35 | 7s57 | 8s 3 | 1n 2 | 16n19 | 1s47 |
| S 2 | 5 27 | 18 18 | 5 8 | 14 46 | 1 55 | 21 38 | 2 8 | 16 16 | 0 26 | 22 25 | 0 48 | 10 3 | 2 11 | 16 26 | 0 41 | 6 47 | 1 17 | 26 30 | 5 35 | 7 57 | 8 2 | 1 1 | 16 18 | 1 47 |
| M 3 | 5 50 | 17 0 | 5 18 | 15 19 | 2 1 | 21 57 | 2 11 | 16 30 | 0 27 | 22 24 | 0 48 | 10 6 | 2 11 | 16 26 | 0 41 | 6 47 | 1 17 | 26 30 | 5 35 | 7 57 | 8 1 | 0 59 | 16 17 | 1 47 |
| T 4 | 6 13 | 14 56 | 5 12 | 15 52 | 2 7 | 22 16 | 2 14 | 16 43 | 0 27 | 22 24 | 0 48 | 10 8 | 2 11 | 16 25 | 0 41 | 6 46 | 1 17 | 26 30 | 5 36 | 7 57 | 8 0 | 0 57 | 16 16 | 1 47 |
| W 5 | 6 36 | 12 15 | 4 53 | 16 23 | 2 12 | 22 34 | 2 17 | 16 57 | 0 28 | 22 23 | 0 48 | 10 11 | 2 11 | 16 24 | 0 41 | 6 45 | 1 17 | 26 30 | 5 36 | 7 57 | 7 59 | 0 55 | 16 15 | 1 47 |
| T 6 | 7 0 | 9 6 | 4 21 | 16 53 | 2 17 | 22 51 | 2 20 | 17 10 | 0 28 | 22 22 | 0 48 | 10 13 | 2 11 | 16 24 | 0 41 | 6 44 | 1 17 | 26 31 | 5 36 | 7 56 | 7 57 | 0 53 | 16 14 | 1 48 |
| F 7 | 7 22 | 5 36 | 3 38 | 17 23 | 2 22 | 23 8 | 2 23 | 17 23 | 0 29 | 22 21 | 0 48 | 10 16 | 2 11 | 16 23 | 0 41 | 6 44 | 1 17 | 26 31 | 5 36 | 7 56 | 7 56 | 0 51 | 16 14 | 1 48 |
| S 8 | 7 45 | 1 53 | 2 46 | 17 51 | 2 27 | 23 24 | 2 25 | 17 36 | 0 30 | 22 20 | 0 48 | 10 18 | 2 11 | 16 22 | 0 41 | 6 43 | 1 17 | 26 31 | 5 36 | 7 56 | 7 55 | 0 49 | 16 13 | 1 48 |
| S 9 | 8 8 | 1s54 | 1 46 | 18 18 | 2 31 | 23 40 | 2 28 | 17 49 | 0 30 | 22 19 | 0 48 | 10 21 | 2 10 | 16 22 | 0 41 | 6 42 | 1 17 | 26 31 | 5 37 | 7 56 | 7 54 | 0 47 | 16 12 | 1 48 |
| M10 | 8 31 | 5 38 | 0 42 | 18 44 | 2 35 | 23 55 | 2 31 | 18 2 | 0 31 | 22 19 | 0 48 | 10 23 | 2 10 | 16 21 | 0 41 | 6 41 | 1 17 | 26 31 | 5 37 | 7 56 | 7 53 | 0 45 | 16 11 | 1 48 |
| T 11 | 8 53 | 9 11 | 0n24 | 19 8 | 2 38 | 24 9 | 2 33 | 18 14 | 0 31 | 22 18 | 0 48 | 10 26 | 2 10 | 16 21 | 0 41 | 6 41 | 1 17 | 26 31 | 5 37 | 7 56 | 7 51 | 0 43 | 16 10 | 1 48 |
| W12 | 9 16 | 12 23 | 1 30 | 19 31 | 2 41 | 24 23 | 2 36 | 18 27 | 0 32 | 22 17 | 0 48 | 10 28 | 2 10 | 16 20 | 0 41 | 6 40 | 1 17 | 26 31 | 5 37 | 7 56 | 7 50 | 0 41 | 16 9 | 1 49 |
| T 13 | 9 38 | 15 4 | 2 33 | 19 53 | 2 44 | 24 36 | 2 38 | 18 39 | 0 33 | 22 16 | 0 48 | 10 31 | 2 10 | 16 19 | 0 41 | 6 39 | 1 17 | 26 32 | 5 38 | 7 56 | 7 49 | 0 39 | 16 8 | 1 49 |
| F 14 | 10 0 | 17 7 | 3 29 | 20 13 | 2 46 | 24 49 | 2 40 | 18 51 | 0 33 | 22 15 | 0 48 | 10 33 | 2 10 | 16 19 | 0 41 | 6 39 | 1 17 | 26 32 | 5 38 | 7 56 | 7 48 | 0 38 | 16 7 | 1 49 |
| S 15 | 10 22 | 18 21 | 4 16 | 20 31 | 2 48 | 25 1 | 2 43 | 19 3 | 0 34 | 22 14 | 0 48 | 10 35 | 2 10 | 16 18 | 0 41 | 6 38 | 1 17 | 26 32 | 5 38 | 7 56 | 7 47 | 0 36 | 16 7 | 1 49 |
| S 16 | 10 44 | 18 41 | 4 51 | 20 48 | 2 49 | 25 12 | 2 45 | 19 15 | 0 34 | 22 12 | 0 48 | 10 38 | 2 10 | 16 18 | 0 41 | 6 37 | 1 17 | 26 32 | 5 38 | 7 55 | 7 45 | 0 34 | 16 6 | 1 49 |
| M17 | 11 5 | 18 1 | 5 12 | 21 3 | 2 49 | 25 22 | 2 47 | 19 26 | 0 35 | 22 11 | 0 48 | 10 40 | 2 10 | 16 17 | 0 42 | 6 37 | 1 17 | 26 32 | 5 38 | 7 55 | 7 44 | 0 32 | 16 5 | 1 49 |
| T 18 | 11 27 | 16 21 | 5 17 | 21 16 | 2 48 | 25 32 | 2 49 | 19 38 | 0 35 | 22 10 | 0 48 | 10 43 | 2 10 | 16 17 | 0 42 | 6 36 | 1 17 | 26 33 | 5 39 | 7 55 | 7 43 | 0 30 | 16 4 | 1 49 |
| W19 | 11 48 | 13 43 | 5 4 | 21 27 | 2 47 | 25 41 | 2 51 | 19 49 | 0 36 | 22 9 | 0 48 | 10 45 | 2 10 | 16 16 | 0 42 | 6 35 | 1 17 | 26 33 | 5 39 | 7 55 | 7 42 | 0 28 | 16 3 | 1 50 |
| T 20 | 12 9 | 10 14 | 4 32 | 21 35 | 2 45 | 25 50 | 2 52 | 20 0 | 0 36 | 22 8 | 0 48 | 10 48 | 2 10 | 16 16 | 0 42 | 6 35 | 1 17 | 26 33 | 5 39 | 7 55 | 7 41 | 0 26 | 16 2 | 1 50 |
| F 21 | 12 30 | 6 5 | 3 43 | 21 41 | 2 42 | 25 58 | 2 54 | 20 11 | 0 37 | 22 6 | 0 48 | 10 50 | 2 10 | 16 15 | 0 42 | 6 34 | 1 17 | 26 33 | 5 39 | 7 55 | 7 39 | 0 24 | 16 1 | 1 50 |
| S 22 | 12 51 | 1 30 | 2 39 | 21 45 | 2 38 | 26 5 | 2 56 | 20 22 | 0 38 | 22 5 | 0 48 | 10 53 | 2 10 | 16 15 | 0 42 | 6 33 | 1 17 | 26 33 | 5 40 | 7 56 | 7 38 | 0 22 | 16 0 | 1 50 |
| S 23 | 13 11 | 3n15 | 1 24 | 21 45 | 2 32 | 26 11 | 2 57 | 20 33 | 0 38 | 22 4 | 0 47 | 10 55 | 2 10 | 16 15 | 0 42 | 6 33 | 1 17 | 26 34 | 5 40 | 7 56 | 7 37 | 0 20 | 15 59 | 1 50 |
| M24 | 13 32 | 7 50 | 0 2 | 21 42 | 2 25 | 26 17 | 2 58 | 20 43 | 0 39 | 22 2 | 0 47 | 10 57 | 2 10 | 16 14 | 0 42 | 6 32 | 1 17 | 26 34 | 5 40 | 7 56 | 7 36 | 0 18 | 15 58 | 1 50 |
| T 25 | 13 52 | 11 54 | 1s19 | 21 37 | 2 17 | 26 22 | 2 59 | 20 53 | 0 39 | 22 1 | 0 47 | 11 0 | 2 10 | 16 14 | 0 42 | 6 32 | 1 17 | 26 34 | 5 40 | 7 56 | 7 35 | 0 16 | 15 57 | 1 50 |
| W26 | 14 11 | 15 11 | 2 34 | 21 27 | 2 8 | 26 27 | 3 1 | 21 3 | 0 40 | 22 0 | 0 47 | 11 2 | 2 10 | 16 13 | 0 42 | 6 31 | 1 17 | 26 34 | 5 40 | 7 55 | 7 33 | 0 15 | 15 56 | 1 50 |
| T 27 | 14 31 | 17 26 | 3 38 | 21 14 | 1 57 | 26 31 | 3 2 | 21 13 | 0 40 | 21 58 | 0 47 | 11 5 | 2 10 | 16 13 | 0 42 | 6 31 | 1 17 | 26 34 | 5 41 | 7 55 | 7 32 | 0 13 | 15 55 | 1 51 |
| F 28 | 14 50 | 18 34 | 4 27 | 20 56 | 1 44 | 26 34 | 3 2 | 21 22 | 0 41 | 21 57 | 0 47 | 11 7 | 2 10 | 16 13 | 0 42 | 6 30 | 1 17 | 26 35 | 5 41 | 7 54 | 7 31 | 0 11 | 15 54 | 1 51 |
| S 29 | 15 10 | 18 35 | 4 59 | 20 35 | 1 30 | 26 36 | 3 3 | 21 32 | 0 41 | 21 55 | 0 47 | 11 10 | 2 10 | 16 12 | 0 42 | 6 29 | 1 17 | 26 35 | 5 41 | 7 52 | 7 30 | 0 9 | 15 53 | 1 51 |
| S 30 | 15 28 | 17 35 | 5 14 | 20 9 | 1 14 | 26 38 | 3 4 | 21 41 | 0 42 | 21 53 | 0 47 | 11 12 | 2 10 | 16 12 | 0 42 | 6 29 | 1 18 | 26 35 | 5 41 | 7 51 | 7 28 | 0 7 | 15 52 | 1 51 |
| M31 | 15s47 | 15n43 | 5s13 | 19s39 | 0s56 | 26s39 | 3s 4 | 21s50 | 0s42 | 21s52 | 0s47 | 11s14 | 2n10 | 16n12 | 0n42 | 6n28 | 1n18 | 26n36 | 5n42 | 7s51 | 7s27 | 0n 5 | 15n51 | 1s51 |

Julian Day Number = 2069414.5, Delta T = 28m30s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'34, Lahiri = 9°16'34 Julian Calendar 1 Oct. 953 == Greg. Calendar 6 Oct. 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## NOVEMBER 953 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 0 36 | 13♏52'11 | 9♘33 | 22°R29 | 0♉40 | 5♐ 9 | 26♉ 0 | 5♏10 | 17♘59 | 16♍43 | 26°R18 | 19°D56 | 18♎53 | 25♍ 6 | 19°R11 | T 1 |
| W 2 | 3 4 33 | 14°52'54 | 21°40 | 21♏20 | 1°45 | 5°54 | 26° 8 | 5°17 | 18° 0 | 16°44 | 26♋18 | 19♎57 | 18°49 | 25°13 | 19♌ 8 | W 2 |
| T 3 | 3 8 29 | 15°53'38 | 3♍36 | 20° 4 | 2°49 | 6°39 | 26°17 | 5°24 | 18° 1 | 16°45 | 26°18 | 19°58 | 18°46 | 25°19 | 19° 5 | T 3 |
| F 4 | 3 12 26 | 16°54'24 | 15°26 | 18°43 | 3°54 | 7°24 | 26°26 | 5°31 | 18° 2 | 16°47 | 26°18 | 19°59 | 18°43 | 25°26 | 19° 1 | F 4 |
| S 5 | 3 16 22 | 17°55'12 | 27°13 | 17°21 | 4°58 | 8° 9 | 26°35 | 5°38 | 18° 3 | 16°48 | 26°17 | 20° 1 | 18°40 | 25°33 | 18°58 | S 5 |
| S 6 | 3 20 19 | 18°56'01 | 9♎ 3 | 16° 0 | 6° 2 | 8°54 | 26°44 | 5°45 | 18° 4 | 16°49 | 26°17 | 20° 3 | 18°37 | 25°39 | 18°55 | S 6 |
| M 7 | 3 24 16 | 19°56'52 | 21° 0 | 14°42 | 7° 5 | 9°40 | 26°54 | 5°52 | 18° 4 | 16°50 | 26°17 | 20°R 3 | 18°34 | 25°46 | 18°52 | M 7 |
| T 8 | 3 28 12 | 20°57'44 | 3♏ 6 | 13°31 | 8° 8 | 10°25 | 27° 3 | 5°59 | 18° 5 | 16°52 | 26°16 | 20° 2 | 18°30 | 25°52 | 18°48 | T 8 |
| W 9 | 3 32 9 | 21°58'37 | 15°24 | 12°28 | 9°11 | 11°10 | 27°13 | 6° 6 | 18° 5 | 16°53 | 26°16 | 20° 0 | 18°27 | 25°59 | 18°45 | W 9 |
| T 10 | 3 36 5 | 22°59'31 | 27°55 | 11°35 | 10°14 | 11°56 | 27°22 | 6°13 | 18° 6 | 16°54 | 26°15 | 19°56 | 18°24 | 26° 6 | 18°42 | T 10 |
| F 11 | 3 40 2 | 24° 0'27 | 10♐40 | 10°53 | 11°16 | 12°41 | 27°32 | 6°20 | 18° 6 | 16°55 | 26°15 | 19°50 | 18°21 | 26°12 | 18°38 | F 11 |
| S 12 | 3 43 58 | 25° 1'24 | 23°39 | 10°22 | 12°18 | 13°27 | 27°42 | 6°27 | 18° 7 | 16°56 | 26°14 | 19°44 | 18°18 | 26°19 | 18°35 | S 12 |
| S 13 | 3 47 55 | 26° 2'22 | 6♉50 | 10° 3 | 13°20 | 14°13 | 27°52 | 6°34 | 18° 7 | 16°57 | 26°14 | 19°38 | 18°14 | 26°26 | 18°32 | S 13 |
| M14 | 3 51 52 | 27° 3'20 | 20°14 | 9°D55 | 14°21 | 14°58 | 28° 2 | 6°41 | 18° 7 | 16°58 | 26°13 | 19°32 | 18°11 | 26°32 | 18°29 | M14 |
| T 15 | 3 55 48 | 28° 4'20 | 3♒50 | 9°58 | 15°22 | 15°44 | 28°13 | 6°48 | 18° 8 | 16°59 | 26°12 | 19°28 | 18° 8 | 26°39 | 18°25 | T 15 |
| W16 | 3 59 45 | 29° 5'20 | 17°37 | 10°10 | 16°22 | 16°30 | 28°23 | 6°55 | 18° 8 | 17° 0 | 26°12 | 19°26 | 18° 5 | 26°46 | 18°22 | W16 |
| T 17 | 4 3 41 | 0♐ 6'21 | 1♓34 | 10°32 | 17°22 | 17°15 | 28°34 | 7° 1 | 18° 8 | 17° 1 | 26°11 | 19°D25 | 18° 2 | 26°52 | 18°19 | T 17 |
| F 18 | 4 7 38 | 1° 7'22 | 15°41 | 11° 2 | 18°22 | 18° 1 | 28°44 | 7° 8 | 18°R 8 | 17° 2 | 26°10 | 19°26 | 17°59 | 26°59 | 18°16 | F 18 |
| S 19 | 4 11 34 | 2° 8'24 | 29°57 | 11°39 | 19°21 | 18°47 | 28°55 | 7°15 | 18° 8 | 17° 3 | 26°10 | 19°27 | 17°55 | 27° 6 | 18°13 | S 19 |
| S 20 | 4 15 31 | 3° 9'26 | 14♈20 | 12°23 | 20°20 | 19°33 | 29° 6 | 7°22 | 18° 8 | 17° 4 | 26° 9 | 19°R28 | 17°52 | 27°12 | 18° 9 | S 20 |
| M21 | 4 19 27 | 4°10'29 | 28°46 | 13°13 | 21°18 | 20°19 | 29°17 | 7°28 | 18° 8 | 17° 5 | 26° 8 | 19°28 | 17°49 | 27°19 | 18° 6 | M21 |
| T 22 | 4 23 24 | 5°11'33 | 13♉12 | 14° 7 | 22°15 | 21° 5 | 29°28 | 7°35 | 18° 7 | 17° 5 | 26° 8 | 19°26 | 17°46 | 27°26 | 18° 3 | T 22 |
| W23 | 4 27 21 | 6°12'37 | 27°31 | 15° 7 | 23°13 | 21°51 | 29°39 | 7°41 | 18° 7 | 17° 6 | 26° 7 | 19°21 | 17°43 | 27°32 | 18° 0 | W23 |
| T 24 | 4 31 17 | 7°13'42 | 11♊40 | 16°10 | 24° 9 | 22°37 | 29°50 | 7°48 | 18° 7 | 17° 7 | 26° 6 | 19°14 | 17°40 | 27°39 | 17°57 | T 24 |
| F 25 | 4 35 14 | 8°14'48 | 25°32 | 17°17 | 25° 5 | 23°23 | 0♒ 2 | 7°55 | 18° 7 | 17° 8 | 26° 5 | 19° 6 | 17°36 | 27°46 | 17°54 | F 25 |
| S 26 | 4 39 10 | 9°15'54 | 9♋ 3 | 18°26 | 26° 1 | 24°10 | 0°13 | 8° 1 | 18° 6 | 17° 8 | 26° 4 | 18°57 | 17°33 | 27°52 | 17°51 | S 26 |
| S 27 | 4 43 7 | 10°17'02 | 22°12 | 19°38 | 26°55 | 24°56 | 0°24 | 8° 7 | 18° 6 | 17° 9 | 26° 3 | 18°48 | 17°30 | 27°59 | 17°48 | S 27 |
| M28 | 4 47 3 | 11°18'10 | 4♘59 | 20°53 | 27°50 | 25°42 | 0°36 | 8°14 | 18° 5 | 17° 9 | 26° 2 | 18°41 | 17°27 | 28° 6 | 17°45 | M28 |
| T 29 | 4 51 0 | 12°19'18 | 17°25 | 22°10 | 28°43 | 26°28 | 0°48 | 8°20 | 18° 5 | 17°10 | 26° 2 | 18°35 | 17°24 | 28°12 | 17°42 | T 29 |
| W30 | 4 54 56 | 13♐20'28 | 29♘35 | 23♏28 | 29♉36 | 27♐15 | 1♒ 0 | 8♏27 | 18♘ 4 | 17♍10 | 26♋ 1 | 18♎32 | 17♎20 | 28♍19 | 17♌39 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s 5 | 13n11 | 4s57 | 19s 6 | 0s37 | 26s39 | 3s 5 | 21s59 | 0s43 | 21s50 | 0s47 | 11s17 | 2n10 | 16n12 | 0n42 | 6n28 | 1n18 | 26n36 | 5n42 | 7s50 | 7s26 | 0n 3 | 15n50 | 1s51 |
| W 2 | 16 23 | 10 7 | 4 29 | 18 28 | 0 18 | 26 38 | 3 5 | 22 7 | 0 43 | 21 49 | 0 47 | 11 19 | 2 10 | 16 11 | 0 42 | 6 27 | 1 18 | 26 36 | 5 42 | 7 50 | 7 25 | 0 1 | 15 49 | 1 51 |
| T 3 | 16 41 | 6 41 | 3 49 | 17 49 | 0n 3 | 26 37 | 3 5 | 22 16 | 0 44 | 21 47 | 0 47 | 11 21 | 2 10 | 16 11 | 0 42 | 6 27 | 1 18 | 26 36 | 5 42 | 7 51 | 7 24 | 0s 1 | 15 48 | 1 51 |
| F 4 | 16 59 | 3 1 | 2 59 | 17 7 | 0 24 | 26 36 | 3 5 | 22 24 | 0 44 | 21 45 | 0 47 | 11 24 | 2 10 | 16 11 | 0 42 | 6 26 | 1 18 | 26 37 | 5 42 | 7 51 | 7 22 | 0 3 | 15 47 | 1 51 |
| S 5 | 17 16 | 0s45 | 2 2 | 16 24 | 0 44 | 26 33 | 3 5 | 22 31 | 0 45 | 21 43 | 0 47 | 11 26 | 2 10 | 16 11 | 0 42 | 6 26 | 1 18 | 26 37 | 5 43 | 7 52 | 7 21 | 0 5 | 15 46 | 1 52 |
| S 6 | 17 33 | 4 32 | 1 0 | 15 42 | 1 3 | 26 30 | 3 4 | 22 39 | 0 45 | 21 42 | 0 47 | 11 28 | 2 10 | 16 10 | 0 42 | 6 26 | 1 18 | 26 37 | 5 43 | 7 53 | 7 20 | 0 6 | 15 45 | 1 52 |
| M 7 | 17 50 | 8 10 | 0n 5 | 15 2 | 1 22 | 26 26 | 3 4 | 22 47 | 0 46 | 21 40 | 0 47 | 11 31 | 2 10 | 16 10 | 0 42 | 6 25 | 1 18 | 26 37 | 5 43 | 7 53 | 7 19 | 0 8 | 15 44 | 1 52 |
| T 8 | 18 6 | 11 30 | 1 11 | 14 25 | 1 39 | 26 22 | 3 3 | 22 54 | 0 46 | 21 38 | 0 47 | 11 33 | 2 10 | 16 10 | 0 42 | 6 25 | 1 18 | 26 38 | 5 43 | 7 53 | 7 18 | 0 10 | 15 43 | 1 52 |
| W 9 | 18 22 | 14 24 | 2 14 | 13 52 | 1 53 | 26 17 | 3 2 | 23 1 | 0 47 | 21 36 | 0 47 | 11 35 | 2 10 | 16 10 | 0 43 | 6 24 | 1 18 | 26 38 | 5 44 | 7 52 | 7 16 | 0 12 | 15 42 | 1 52 |
| T 10 | 18 37 | 16 41 | 3 12 | 13 23 | 2 6 | 26 11 | 3 1 | 23 7 | 0 47 | 21 34 | 0 47 | 11 37 | 2 10 | 16 10 | 0 43 | 6 24 | 1 18 | 26 38 | 5 44 | 7 50 | 7 15 | 0 14 | 15 41 | 1 52 |
| F 11 | 18 53 | 18 11 | 4 2 | 13 0 | 2 17 | 26 5 | 3 0 | 23 14 | 0 48 | 21 32 | 0 47 | 11 40 | 2 10 | 16 10 | 0 43 | 6 23 | 1 18 | 26 39 | 5 44 | 7 48 | 7 14 | 0 16 | 15 40 | 1 52 |
| S 12 | 19 8 | 18 46 | 4 40 | 12 43 | 2 25 | 25 58 | 2 59 | 23 20 | 0 48 | 21 30 | 0 47 | 11 42 | 2 10 | 16 10 | 0 43 | 6 23 | 1 18 | 26 39 | 5 44 | 7 46 | 7 13 | 0 18 | 15 39 | 1 52 |
| S 13 | 19 22 | 18 21 | 5 3 | 12 31 | 2 32 | 25 50 | 2 57 | 23 26 | 0 48 | 21 28 | 0 47 | 11 44 | 2 10 | 16 10 | 0 43 | 6 23 | 1 18 | 26 39 | 5 44 | 7 43 | 7 11 | 0 20 | 15 38 | 1 52 |
| M14 | 19 37 | 16 55 | 5 11 | 12 24 | 2 36 | 25 42 | 2 56 | 23 32 | 0 49 | 21 26 | 0 47 | 11 46 | 2 10 | 16 10 | 0 43 | 6 22 | 1 18 | 26 40 | 5 45 | 7 41 | 7 10 | 0 22 | 15 37 | 1 52 |
| T 15 | 19 50 | 14 31 | 5 1 | 12 22 | 2 39 | 25 33 | 2 54 | 23 37 | 0 49 | 21 24 | 0 47 | 11 49 | 2 10 | 16 10 | 0 43 | 6 22 | 1 18 | 26 40 | 5 45 | 7 40 | 7 9 | 0 24 | 15 36 | 1 52 |
| W16 | 20 4 | 11 17 | 4 34 | 12 25 | 2 40 | 25 24 | 2 52 | 23 42 | 0 50 | 21 22 | 0 47 | 11 51 | 2 10 | 16 10 | 0 43 | 6 22 | 1 18 | 26 40 | 5 45 | 7 39 | 7 8 | 0 25 | 15 35 | 1 53 |
| T 17 | 20 17 | 7 23 | 3 51 | 12 32 | 2 40 | 25 14 | 2 49 | 23 47 | 0 50 | 21 19 | 0 47 | 11 53 | 2 10 | 16 10 | 0 43 | 6 21 | 1 18 | 26 41 | 5 45 | 7 38 | 7 7 | 0 27 | 15 34 | 1 53 |
| F 18 | 20 30 | 3 1 | 2 53 | 12 42 | 2 39 | 25 4 | 2 47 | 23 52 | 0 51 | 21 17 | 0 47 | 11 55 | 2 10 | 16 10 | 0 43 | 6 21 | 1 18 | 26 41 | 5 45 | 7 39 | 7 5 | 0 29 | 15 33 | 1 53 |
| S 19 | 20 42 | 1n34 | 1 44 | 12 56 | 2 36 | 24 53 | 2 44 | 23 57 | 0 51 | 21 15 | 0 47 | 11 57 | 2 10 | 16 10 | 0 43 | 6 21 | 1 18 | 26 41 | 5 46 | 7 39 | 7 4 | 0 31 | 15 33 | 1 53 |
| S 20 | 20 54 | 6 6 | 0 28 | 13 13 | 2 33 | 24 41 | 2 42 | 24 1 | 0 51 | 21 13 | 0 47 | 11 59 | 2 11 | 16 10 | 0 43 | 6 20 | 1 19 | 26 42 | 5 46 | 7 40 | 7 3 | 0 33 | 15 32 | 1 53 |
| M21 | 21 6 | 10 19 | 0s50 | 13 32 | 2 29 | 24 29 | 2 39 | 24 5 | 0 52 | 21 10 | 0 47 | 12 1 | 2 11 | 16 10 | 0 43 | 6 20 | 1 19 | 26 42 | 5 46 | 7 39 | 7 2 | 0 35 | 15 31 | 1 53 |
| T 22 | 21 17 | 13 54 | 2 5 | 13 53 | 2 24 | 24 17 | 2 36 | 24 8 | 0 52 | 21 8 | 0 46 | 12 3 | 2 11 | 16 10 | 0 43 | 6 20 | 1 19 | 26 42 | 5 46 | 7 39 | 7 0 | 0 37 | 15 30 | 1 53 |
| W23 | 21 28 | 16 37 | 3 11 | 14 15 | 2 18 | 24 4 | 2 32 | 24 12 | 0 53 | 21 6 | 0 46 | 12 5 | 2 11 | 16 10 | 0 43 | 6 20 | 1 19 | 26 43 | 5 46 | 7 37 | 6 59 | 0 39 | 15 29 | 1 53 |
| T 24 | 21 38 | 18 17 | 4 4 | 14 39 | 2 12 | 23 50 | 2 29 | 24 15 | 0 53 | 21 3 | 0 46 | 12 8 | 2 11 | 16 10 | 0 43 | 6 19 | 1 19 | 26 43 | 5 47 | 7 34 | 6 58 | 0 41 | 15 28 | 1 53 |
| F 25 | 21 48 | 18 48 | 4 42 | 15 4 | 2 6 | 23 36 | 2 25 | 24 18 | 0 53 | 21 1 | 0 46 | 12 10 | 2 11 | 16 10 | 0 43 | 6 19 | 1 19 | 26 43 | 5 47 | 7 31 | 6 57 | 0 43 | 15 27 | 1 53 |
| S 26 | 21 58 | 18 14 | 5 3 | 15 30 | 1 59 | 23 22 | 2 21 | 24 20 | 0 54 | 20 58 | 0 46 | 12 12 | 2 11 | 16 10 | 0 43 | 6 19 | 1 19 | 26 44 | 5 47 | 7 28 | 6 56 | 0 44 | 15 26 | 1 53 |
| S 27 | 22 7 | 16 41 | 5 7 | 15 56 | 1 52 | 23 7 | 2 17 | 24 23 | 0 54 | 20 56 | 0 46 | 12 14 | 2 11 | 16 11 | 0 43 | 6 19 | 1 19 | 26 44 | 5 47 | 7 24 | 6 54 | 0 46 | 15 25 | 1 53 |
| M28 | 22 16 | 14 21 | 4 55 | 16 23 | 1 45 | 22 52 | 2 12 | 24 25 | 0 54 | 20 53 | 0 46 | 12 16 | 2 11 | 16 11 | 0 43 | 6 19 | 1 19 | 26 44 | 5 47 | 7 22 | 6 53 | 0 48 | 15 24 | 1 53 |
| T 29 | 22 24 | 11 25 | 4 29 | 16 50 | 1 38 | 22 37 | 2 8 | 24 26 | 0 55 | 20 51 | 0 46 | 12 18 | 2 11 | 16 11 | 0 43 | 6 19 | 1 19 | 26 45 | 5 48 | 7 19 | 6 52 | 0 50 | 15 24 | 1 53 |
| W30 | 22s32 | 8n 3 | 3s52 | 17s17 | 1n30 | 22s21 | 2s 3 | 24s28 | 0s55 | 20s48 | 0s46 | 12s19 | 2n11 | 16n11 | 0n43 | 6n18 | 1n19 | 26n45 | 5n48 | 7s18 | 6s51 | 0s52 | 15n23 | 1s53 |

Julian Day Number = 2069445.5, Delta T = 28m29s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'38, Lahiri = 9°16'38 Julian Calendar 1 Nov. 953 == Greg. Calendar 6 Nov. 953


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# ASTRODIENST EPHEMERIS for the year 953
# geocentric

## DECEMBER 953 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 58 53 | 14♐21'38 | 11♍32 | 24♏48 | 0♒28 | 28♐ 1 | 1♒12 | 8♏33 | 18°R 3 | 17♍11 | 26°R 0 | 18°D31 | 17♎17 | 28♍26 | 17°R36 | T 1 |
| F 2 | 5 2 50 | 15°22'48 | 23°21 | 26° 9 | 1°20 | 28°48 | 1°24 | 8°39 | 18♌ 3 | 17°11 | 25♋59 | 18♎31 | 17°14 | 28°32 | 17♉34 | F 2 |
| S 3 | 5 6 46 | 16°24'00 | 5♎ 9 | 27°31 | 2°10 | 29°34 | 1°36 | 8°45 | 18° 2 | 17°12 | 25°58 | 18°32 | 17°11 | 28°39 | 17°31 | S 3 |
| S 4 | 5 10 43 | 17°25'11 | 17° 1 | 28°55 | 3° 0 | 0♑21 | 1°48 | 8°51 | 18° 1 | 17°12 | 25°57 | 18°R33 | 17° 8 | 28°46 | 17°28 | S 4 |
| M 5 | 5 14 39 | 18°26'24 | 29° 0 | 0♐19 | 3°49 | 1° 7 | 2° 0 | 8°57 | 18° 0 | 17°12 | 25°56 | 18°32 | 17° 5 | 28°52 | 17°25 | M 5 |
| T 6 | 5 18 36 | 19°27'37 | 11♏13 | 1°44 | 4°37 | 1°54 | 2°12 | 9° 3 | 17°59 | 17°13 | 25°55 | 18°29 | 17° 1 | 28°59 | 17°23 | T 6 |
| W 7 | 5 22 32 | 20°28'50 | 23°42 | 3°10 | 5°24 | 2°40 | 2°25 | 9° 9 | 17°58 | 17°13 | 25°53 | 18°24 | 16°58 | 29° 5 | 17°20 | W 7 |
| T 8 | 5 26 29 | 21°30'04 | 6♐29 | 4°37 | 6°11 | 3°27 | 2°37 | 9°15 | 17°57 | 17°13 | 25°52 | 18°16 | 16°55 | 29°12 | 17°18 | T 8 |
| F 9 | 5 30 25 | 22°31'18 | 19°34 | 6° 5 | 6°56 | 4°14 | 2°50 | 9°21 | 17°56 | 17°13 | 25°51 | 18° 6 | 16°52 | 29°19 | 17°15 | F 9 |
| S 10 | 5 34 22 | 23°32'32 | 2♑58 | 7°32 | 7°40 | 5° 0 | 3° 2 | 9°27 | 17°55 | 17°14 | 25°50 | 17°54 | 16°49 | 29°25 | 17°12 | S 10 |
| S 11 | 5 38 19 | 24°33'46 | 16°36 | 9° 1 | 8°24 | 5°47 | 3°15 | 9°33 | 17°54 | 17°14 | 25°49 | 17°42 | 16°46 | 29°32 | 17°10 | S 11 |
| M12 | 5 42 15 | 25°35'00 | 0♒26 | 10°30 | 9° 6 | 6°34 | 3°28 | 9°38 | 17°52 | 17°14 | 25°48 | 17°32 | 16°42 | 29°39 | 17° 8 | M12 |
| T 13 | 5 46 12 | 26°36'14 | 14°24 | 11°59 | 9°47 | 7°21 | 3°41 | 9°44 | 17°51 | 17°14 | 25°47 | 17°23 | 16°39 | 29°45 | 17° 5 | T 13 |
| W14 | 5 50 8 | 27°37'27 | 28°27 | 13°29 | 10°27 | 8° 8 | 3°54 | 9°50 | 17°50 | 17°R14 | 25°46 | 17°17 | 16°36 | 29°52 | 17° 3 | W14 |
| T 15 | 5 54 5 | 28°38'40 | 12♓31 | 15° 0 | 11° 5 | 8°54 | 4° 7 | 9°55 | 17°48 | 17°14 | 25°44 | 17°14 | 16°33 | 29°59 | 17° 1 | T 15 |
| F 16 | 5 58 1 | 29°39'53 | 26°37 | 16°30 | 11°42 | 9°41 | 4°20 | 10° 1 | 17°47 | 17°14 | 25°43 | 17°D13 | 16°30 | 0♎ 5 | 16°59 | F 16 |
| S 17 | 6 1 58 | 0♑41'05 | 10♈41 | 18° 2 | 12°18 | 10°28 | 4°33 | 10° 6 | 17°45 | 17°14 | 25°42 | 17°R13 | 16°26 | 0°12 | 16°56 | S 17 |
| S 18 | 6 5 54 | 1°42'16 | 24°45 | 19°33 | 12°53 | 11°15 | 4°46 | 10°11 | 17°44 | 17°14 | 25°41 | 17°13 | 16°23 | 0°19 | 16°54 | S 18 |
| M19 | 6 9 51 | 2°43'27 | 8♉46 | 21° 5 | 13°26 | 12° 2 | 4°59 | 10°17 | 17°42 | 17°13 | 25°39 | 17°11 | 16°20 | 0°25 | 16°52 | M19 |
| T 20 | 6 13 48 | 3°44'37 | 22°44 | 22°38 | 13°57 | 12°49 | 5°12 | 10°22 | 17°41 | 17°13 | 25°38 | 17° 7 | 16°17 | 0°32 | 16°50 | T 20 |
| W21 | 6 17 44 | 4°45'47 | 6♊36 | 24°11 | 14°27 | 13°36 | 5°26 | 10°27 | 17°39 | 17°13 | 25°37 | 17° 0 | 16°14 | 0°39 | 16°48 | W21 |
| T 22 | 6 21 41 | 5°46'57 | 20°19 | 25°44 | 14°55 | 14°23 | 5°39 | 10°32 | 17°37 | 17°13 | 25°36 | 16°50 | 16°11 | 0°45 | 16°47 | T 22 |
| F 23 | 6 25 37 | 6°48'06 | 3♋51 | 27°18 | 15°21 | 15°10 | 5°53 | 10°37 | 17°36 | 17°13 | 25°34 | 16°38 | 16° 7 | 0°52 | 16°45 | F 23 |
| S 24 | 6 29 34 | 7°49'14 | 17° 7 | 28°52 | 15°46 | 15°58 | 6° 6 | 10°42 | 17°34 | 17°12 | 25°33 | 16°24 | 16° 4 | 0°59 | 16°43 | S 24 |
| S 25 | 6 33 30 | 8°50'23 | 0♌ 6 | 0♑27 | 16° 9 | 16°45 | 6°20 | 10°47 | 17°32 | 17°12 | 25°32 | 16°11 | 16° 1 | 1° 5 | 16°41 | S 25 |
| M26 | 6 37 27 | 9°51'30 | 12°48 | 2° 2 | 16°30 | 17°32 | 6°33 | 10°52 | 17°30 | 17°11 | 25°30 | 15°59 | 15°58 | 1°12 | 16°40 | M26 |
| T 27 | 6 41 23 | 10°52'37 | 25°12 | 3°38 | 16°49 | 18°19 | 6°47 | 10°56 | 17°28 | 17°11 | 25°29 | 15°49 | 15°55 | 1°19 | 16°38 | T 27 |
| W28 | 6 45 20 | 11°53'44 | 7♍20 | 5°15 | 17° 5 | 19° 6 | 7° 1 | 11° 1 | 17°26 | 17°11 | 25°28 | 15°43 | 15°52 | 1°25 | 16°37 | W28 |
| T 29 | 6 49 17 | 12°54'50 | 19°17 | 6°51 | 17°20 | 19°53 | 7°14 | 11° 5 | 17°24 | 17°10 | 25°26 | 15°39 | 15°48 | 1°32 | 16°35 | T 29 |
| F 30 | 6 53 13 | 13°55'56 | 1♎ 7 | 8°29 | 17°33 | 20°41 | 7°28 | 11°10 | 17°22 | 17°10 | 25°25 | 15°37 | 15°45 | 1°38 | 16°34 | F 30 |
| S 31 | 6 57 10 | 14♑57'01 | 12♎54 | 10♑ 7 | 17♒43 | 21♑28 | 7♒42 | 11♏14 | 17♌20 | 17♍ 9 | 25♋24 | 15♎36 | 15♎42 | 1♎45 | 16♉32 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s39 | 4n25 | 3s 5 | 17s44 | 1n23 | 22s 4 | 1s58 | 24s29 | 0s56 | 20s45 | 0s46 | 12s21 | 2n11 | 16n12 | 0n43 | 6n18 | 1n19 | 26n46 | 5n48 | 7s18 | 6s50 | 0s54 | 15n22 | 1s53 |
| F 2 | 22 46 | 0 39 | 2 11 | 18 11 | 1 15 | 21 48 | 1 52 | 24 30 | 0 56 | 20 43 | 0 46 | 12 23 | 2 12 | 16 12 | 0 44 | 6 18 | 1 19 | 26 46 | 5 48 | 7 18 | 6 48 | 0 56 | 15 21 | 1 53 |
| S 3 | 22 52 | 3s 9 | 1 11 | 18 37 | 1 7 | 21 31 | 1 47 | 24 31 | 0 56 | 20 40 | 0 46 | 12 25 | 2 12 | 16 12 | 0 44 | 6 18 | 1 19 | 26 46 | 5 48 | 7 18 | 6 47 | 0 58 | 15 20 | 1 53 |
| S 4 | 22 58 | 6 51 | 0 8 | 19 4 | 1 0 | 21 14 | 1 41 | 24 31 | 0 57 | 20 37 | 0 46 | 12 27 | 2 12 | 16 12 | 0 44 | 6 18 | 1 19 | 26 47 | 5 49 | 7 18 | 6 46 | 1 0 | 15 19 | 1 53 |
| M 5 | 23 4 | 10 19 | 0n56 | 19 29 | 0 52 | 20 56 | 1 35 | 24 31 | 0 57 | 20 35 | 0 46 | 12 29 | 2 12 | 16 13 | 0 44 | 6 18 | 1 19 | 26 47 | 5 49 | 7 18 | 6 45 | 1 2 | 15 19 | 1 53 |
| T 6 | 23 9 | 13 24 | 1 58 | 19 54 | 0 44 | 20 38 | 1 28 | 24 31 | 0 57 | 20 32 | 0 46 | 12 31 | 2 12 | 16 13 | 0 44 | 6 18 | 1 19 | 26 47 | 5 49 | 7 17 | 6 43 | 1 3 | 15 18 | 1 54 |
| W 7 | 23 14 | 15 57 | 2 56 | 20 19 | 0 36 | 20 20 | 1 22 | 24 30 | 0 58 | 20 29 | 0 46 | 12 32 | 2 12 | 16 13 | 0 44 | 6 18 | 1 19 | 26 48 | 5 49 | 7 15 | 6 42 | 1 5 | 15 17 | 1 54 |
| T 8 | 23 18 | 17 47 | 3 47 | 20 43 | 0 29 | 20 2 | 1 15 | 24 29 | 0 58 | 20 26 | 0 46 | 12 34 | 2 12 | 16 14 | 0 44 | 6 18 | 1 20 | 26 48 | 5 49 | 7 12 | 6 41 | 1 7 | 15 16 | 1 54 |
| F 9 | 23 22 | 18 44 | 4 27 | 21 6 | 0 21 | 19 44 | 1 8 | 24 28 | 0 58 | 20 23 | 0 46 | 12 36 | 2 12 | 16 14 | 0 44 | 6 18 | 1 20 | 26 48 | 5 49 | 7 8 | 6 40 | 1 9 | 15 16 | 1 54 |
| S 10 | 23 25 | 18 40 | 4 53 | 21 28 | 0 14 | 19 25 | 1 0 | 24 27 | 0 58 | 20 20 | 0 46 | 12 38 | 2 12 | 16 15 | 0 44 | 6 18 | 1 20 | 26 49 | 5 50 | 7 4 | 6 39 | 1 11 | 15 15 | 1 54 |
| S 11 | 23 28 | 17 32 | 5 3 | 21 49 | 0 6 | 19 7 | 0 52 | 24 25 | 0 59 | 20 17 | 0 46 | 12 39 | 2 13 | 16 15 | 0 44 | 6 18 | 1 20 | 26 49 | 5 50 | 6 59 | 6 37 | 1 13 | 15 14 | 1 54 |
| M12 | 23 30 | 15 22 | 4 55 | 22 10 | 0s 1 | 18 48 | 0 45 | 24 23 | 0 59 | 20 14 | 0 46 | 12 41 | 2 13 | 16 15 | 0 44 | 6 18 | 1 20 | 26 50 | 5 50 | 6 55 | 6 36 | 1 15 | 15 14 | 1 54 |
| T 13 | 23 32 | 12 18 | 4 30 | 22 29 | 0 8 | 18 29 | 0 36 | 24 21 | 0 59 | 20 11 | 0 46 | 12 43 | 2 13 | 16 16 | 0 44 | 6 18 | 1 20 | 26 50 | 5 50 | 6 52 | 6 35 | 1 17 | 15 13 | 1 54 |
| W14 | 23 33 | 8 30 | 3 49 | 22 48 | 0 15 | 18 10 | 0 28 | 24 19 | 1 0 | 20 8 | 0 46 | 12 44 | 2 13 | 16 16 | 0 44 | 6 18 | 1 20 | 26 50 | 5 50 | 6 49 | 6 34 | 1 18 | 15 12 | 1 54 |
| T 15 | 23 34 | 4 14 | 2 53 | 23 5 | 0 22 | 17 51 | 0 19 | 24 16 | 1 0 | 20 5 | 0 46 | 12 46 | 2 13 | 16 17 | 0 44 | 6 18 | 1 20 | 26 51 | 5 50 | 6 48 | 6 32 | 1 20 | 15 12 | 1 54 |
| F 16 | 23 34 | 0n17 | 1 47 | 23 22 | 0 29 | 17 32 | 0 10 | 24 13 | 1 0 | 20 2 | 0 46 | 12 48 | 2 13 | 16 17 | 0 44 | 6 18 | 1 20 | 26 51 | 5 50 | 6 48 | 6 31 | 1 22 | 15 11 | 1 54 |
| S 17 | 23 34 | 4 47 | 0 35 | 23 37 | 0 36 | 17 13 | 0 0 | 24 10 | 1 0 | 19 59 | 0 46 | 12 49 | 2 13 | 16 18 | 0 44 | 6 18 | 1 20 | 26 52 | 5 51 | 6 48 | 6 30 | 1 24 | 15 10 | 1 54 |
| S 18 | 23 34 | 9 1 | 0s40 | 23 51 | 0 42 | 16 54 | 0n 9 | 24 6 | 1 1 | 19 56 | 0 46 | 12 51 | 2 13 | 16 18 | 0 44 | 6 18 | 1 20 | 26 52 | 5 51 | 6 48 | 6 29 | 1 26 | 15 10 | 1 54 |
| M19 | 23 33 | 12 44 | 1 52 | 24 4 | 0 48 | 16 35 | 0 19 | 24 2 | 1 1 | 19 53 | 0 46 | 12 52 | 2 14 | 16 19 | 0 44 | 6 18 | 1 20 | 26 52 | 5 51 | 6 47 | 6 27 | 1 28 | 15 9 | 1 54 |
| T 20 | 23 31 | 15 43 | 2 56 | 24 16 | 0 54 | 16 16 | 0 30 | 23 58 | 1 1 | 19 49 | 0 46 | 12 54 | 2 14 | 16 19 | 0 44 | 6 18 | 1 20 | 26 53 | 5 51 | 6 46 | 6 26 | 1 30 | 15 9 | 1 54 |
| W21 | 23 29 | 17 45 | 3 50 | 24 27 | 1 0 | 15 57 | 0 40 | 23 53 | 1 1 | 19 46 | 0 46 | 12 55 | 2 14 | 16 20 | 0 44 | 6 18 | 1 20 | 26 53 | 5 51 | 6 43 | 6 25 | 1 32 | 15 8 | 1 54 |
| T 22 | 23 27 | 18 44 | 4 29 | 24 36 | 1 6 | 15 38 | 0 51 | 23 49 | 1 2 | 19 43 | 0 46 | 12 57 | 2 14 | 16 20 | 0 44 | 6 18 | 1 20 | 26 53 | 5 51 | 6 39 | 6 24 | 1 34 | 15 8 | 1 54 |
| F 23 | 23 24 | 18 38 | 4 53 | 24 44 | 1 12 | 15 20 | 1 2 | 23 44 | 1 2 | 19 39 | 0 46 | 12 58 | 2 14 | 16 21 | 0 44 | 6 19 | 1 20 | 26 54 | 5 51 | 6 34 | 6 23 | 1 35 | 15 7 | 1 54 |
| S 24 | 23 20 | 17 30 | 5 0 | 24 51 | 1 17 | 15 1 | 1 14 | 23 38 | 1 2 | 19 36 | 0 46 | 12 59 | 2 14 | 16 21 | 0 44 | 6 19 | 1 20 | 26 54 | 5 52 | 6 29 | 6 21 | 1 37 | 15 7 | 1 54 |
| S 25 | 23 17 | 15 29 | 4 52 | 24 56 | 1 22 | 14 43 | 1 26 | 23 33 | 1 2 | 19 33 | 0 47 | 13 1 | 2 14 | 16 22 | 0 44 | 6 19 | 1 20 | 26 55 | 5 52 | 6 24 | 6 20 | 1 39 | 15 6 | 1 54 |
| M26 | 23 12 | 12 46 | 4 29 | 25 0 | 1 27 | 14 26 | 1 38 | 23 27 | 1 2 | 19 29 | 0 47 | 13 2 | 2 15 | 16 23 | 0 44 | 6 19 | 1 20 | 26 55 | 5 52 | 6 19 | 6 19 | 1 41 | 15 6 | 1 54 |
| T 27 | 23 7 | 9 32 | 3 53 | 25 3 | 1 31 | 14 8 | 1 50 | 23 21 | 1 3 | 19 26 | 0 47 | 13 3 | 2 15 | 16 23 | 0 44 | 6 19 | 1 21 | 26 55 | 5 52 | 6 16 | 6 18 | 1 43 | 15 5 | 1 54 |
| W28 | 23 2 | 5 57 | 3 8 | 25 4 | 1 36 | 13 51 | 2 3 | 23 14 | 1 3 | 19 22 | 0 47 | 13 5 | 2 15 | 16 24 | 0 44 | 6 20 | 1 21 | 26 56 | 5 52 | 6 13 | 6 16 | 1 45 | 15 5 | 1 54 |
| T 29 | 22 56 | 2 12 | 2 15 | 25 3 | 1 40 | 13 34 | 2 16 | 23 8 | 1 3 | 19 19 | 0 47 | 13 6 | 2 15 | 16 25 | 0 44 | 6 20 | 1 21 | 26 56 | 5 52 | 6 11 | 6 15 | 1 47 | 15 4 | 1 54 |
| F 30 | 22 50 | 1s36 | 1 16 | 25 1 | 1 44 | 13 18 | 2 29 | 23 1 | 1 3 | 19 15 | 0 47 | 13 7 | 2 15 | 16 25 | 0 45 | 6 20 | 1 21 | 26 56 | 5 52 | 6 11 | 6 14 | 1 49 | 15 4 | 1 54 |
| S 31 | 22s44 | 5s21 | 0s14 | 24s58 | 1s47 | 13s 2 | 2n42 | 22s53 | 1s 3 | 19s12 | 0s47 | 13s 8 | 2n15 | 16n26 | 0n45 | 6n20 | 1n21 | 26n57 | 5n52 | 6s11 | 6s13 | 1s50 | 15n 4 | 1s54 |

Julian Day Number = 2069475.5, Delta T = 28m29s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'42, Lahiri = 9°16'43 Julian Calendar 1 Dec. 953 == Greg. Calendar 6 Dec. 953


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## JANUARY 954 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 1 6 | 15♉58'06 | 24♎45 | 11♉45 | 17♒51 | 22♉15 | 7♒56 | 11♏19 | 17°R18 | 17°R 8 | 25°R22 | 15°R36 | 15♎39 | 1♎52 | 16°R31 | S 1 |
| M 2 | 7 5 3 | 16°59'11 | 6♏45 | 13°24 | 17°57 | 23° 2 | 8°10 | 11°23 | 17♌16 | 17♍ 8 | 25♋21 | 15♎35 | 15°36 | 1°58 | 16♉30 | M 2 |
| T 3 | 7 8 59 | 18° 0'15 | 18°59 | 15° 4 | 18° 0 | 23°50 | 8°24 | 11°27 | 17°14 | 17° 7 | 25°19 | 15°32 | 15°32 | 2° 5 | 16°29 | T 3 |
| W 4 | 7 12 56 | 19° 1'18 | 1♐33 | 16°44 | 18°R 1 | 24°37 | 8°38 | 11°31 | 17°12 | 17° 7 | 25°18 | 15°27 | 15°29 | 2°12 | 16°28 | W 4 |
| T 5 | 7 16 52 | 20° 2'21 | 14°28 | 18°25 | 18° 0 | 25°24 | 8°52 | 11°35 | 17° 9 | 17° 6 | 25°17 | 15°18 | 15°26 | 2°18 | 16°27 | T 5 |
| F 6 | 7 20 49 | 21° 3'23 | 27°47 | 20° 7 | 17°56 | 26°12 | 9° 6 | 11°39 | 17° 7 | 17° 5 | 25°15 | 15° 7 | 15°23 | 2°25 | 16°26 | F 6 |
| S 7 | 7 24 46 | 22° 4'24 | 11♑30 | 21°49 | 17°49 | 26°59 | 9°20 | 11°43 | 17° 5 | 17° 4 | 25°14 | 14°55 | 15°20 | 2°32 | 16°25 | S 7 |
| S 8 | 7 28 42 | 23° 5'24 | 25°32 | 23°32 | 17°40 | 27°46 | 9°34 | 11°47 | 17° 3 | 17° 4 | 25°13 | 14°42 | 15°17 | 2°38 | 16°24 | S 8 |
| M 9 | 7 32 39 | 24° 6'23 | 9♒49 | 25°16 | 17°29 | 28°34 | 9°48 | 11°50 | 17° 0 | 17° 3 | 25°11 | 14°30 | 15°13 | 2°45 | 16°24 | M 9 |
| T 10 | 7 36 35 | 25° 7'21 | 24°15 | 27° 0 | 17°15 | 29°21 | 10° 2 | 11°54 | 16°58 | 17° 2 | 25°10 | 14°21 | 15°10 | 2°52 | 16°23 | T 10 |
| W11 | 7 40 32 | 26° 8'17 | 8♓44 | 28°45 | 16°58 | 0♒ 9 | 10°16 | 11°57 | 16°55 | 17° 1 | 25° 8 | 14°14 | 15° 7 | 2°58 | 16°22 | W11 |
| T 12 | 7 44 28 | 27° 9'13 | 23°10 | 0♒30 | 16°39 | 0°56 | 10°30 | 12° 1 | 16°53 | 17° 0 | 25° 7 | 14°10 | 15° 4 | 3° 5 | 16°22 | T 12 |
| F 13 | 7 48 25 | 28°10'06 | 7♈28 | 2°16 | 16°18 | 1°43 | 10°45 | 12° 4 | 16°51 | 16°59 | 25° 6 | 14° 8 | 15° 1 | 3°12 | 16°21 | F 13 |
| S 14 | 7 52 21 | 29°10'59 | 21°38 | 4° 3 | 15°54 | 2°31 | 10°59 | 12° 7 | 16°48 | 16°58 | 25° 4 | 14°D 8 | 14°57 | 3°18 | 16°21 | S 14 |
| S 15 | 7 56 18 | 0♒11'49 | 5♉37 | 5°50 | 15°29 | 3°18 | 11°13 | 12°11 | 16°46 | 16°57 | 25° 3 | 14°R 8 | 14°54 | 3°25 | 16°21 | S 15 |
| M16 | 8 0 15 | 1°12'39 | 19°25 | 7°38 | 15° 1 | 4° 6 | 11°28 | 12°14 | 16°43 | 16°56 | 25° 1 | 14° 7 | 14°51 | 3°31 | 16°20 | M16 |
| T 17 | 8 4 11 | 2°13'26 | 3♊ 4 | 9°26 | 14°31 | 4°53 | 11°42 | 12°17 | 16°41 | 16°55 | 25° 0 | 14° 4 | 14°48 | 3°38 | 16°20 | T 17 |
| W18 | 8 8 8 | 3°14'12 | 16°32 | 11°14 | 13°59 | 5°40 | 11°56 | 12°19 | 16°38 | 16°54 | 24°59 | 13°57 | 14°45 | 3°45 | 16°20 | W18 |
| T 19 | 8 12 4 | 4°14'57 | 29°50 | 13° 2 | 13°26 | 6°28 | 12°10 | 12°22 | 16°36 | 16°53 | 24°57 | 13°48 | 14°42 | 3°51 | 16°D20 | T 19 |
| F 20 | 8 16 1 | 5°15'40 | 12♋57 | 14°51 | 12°52 | 7°15 | 12°25 | 12°25 | 16°33 | 16°52 | 24°56 | 13°37 | 14°38 | 3°58 | 16°20 | F 20 |
| S 21 | 8 19 57 | 6°16'21 | 25°51 | 16°39 | 12°16 | 8° 3 | 12°39 | 12°27 | 16°31 | 16°51 | 24°55 | 13°25 | 14°35 | 4° 5 | 16°20 | S 21 |
| S 22 | 8 23 54 | 7°17'01 | 8♌33 | 18°27 | 11°40 | 8°50 | 12°54 | 12°30 | 16°28 | 16°49 | 24°53 | 13°12 | 14°32 | 4°11 | 16°20 | S 22 |
| M23 | 8 27 51 | 8°17'40 | 21° 1 | 20°14 | 11° 3 | 9°38 | 13° 8 | 12°32 | 16°25 | 16°48 | 24°52 | 13° 1 | 14°29 | 4°18 | 16°20 | M23 |
| T 24 | 8 31 47 | 9°18'17 | 3♍16 | 22° 0 | 10°25 | 10°25 | 13°22 | 12°35 | 16°23 | 16°47 | 24°50 | 12°52 | 14°26 | 4°25 | 16°21 | T 24 |
| W25 | 8 35 44 | 10°18'52 | 15°20 | 23°46 | 9°48 | 11°12 | 13°37 | 12°37 | 16°20 | 16°46 | 24°49 | 12°46 | 14°23 | 4°31 | 16°21 | W25 |
| T 26 | 8 39 40 | 11°19'27 | 27°14 | 25°29 | 9°10 | 12° 0 | 13°51 | 12°39 | 16°18 | 16°45 | 24°48 | 12°42 | 14°19 | 4°38 | 16°22 | T 26 |
| F 27 | 8 43 37 | 12°19'59 | 9♎ 3 | 27°11 | 8°33 | 12°47 | 14° 6 | 12°41 | 16°15 | 16°43 | 24°46 | 12°D41 | 14°16 | 4°45 | 16°22 | F 27 |
| S 28 | 8 47 33 | 13°20'31 | 20°49 | 28°50 | 7°57 | 13°35 | 14°20 | 12°43 | 16°12 | 16°42 | 24°45 | 12°41 | 14°13 | 4°51 | 16°23 | S 28 |
| S 29 | 8 51 30 | 14°21'01 | 2♏39 | 0♓26 | 7°22 | 14°22 | 14°34 | 12°45 | 16°10 | 16°41 | 24°44 | 12°42 | 14°10 | 4°58 | 16°23 | S 29 |
| M30 | 8 55 26 | 15°21'30 | 14°38 | 1°59 | 6°47 | 15° 9 | 14°49 | 12°46 | 16° 7 | 16°39 | 24°43 | 12°R42 | 14° 7 | 5° 5 | 16°24 | M30 |
| T 31 | 8 59 23 | 16♒21'57 | 26♏51 | 3♓28 | 6♒15 | 15♒57 | 15♒ 3 | 12♏48 | 16♌ 5 | 16♍38 | 24♋41 | 12♎42 | 14♎ 3 | 5♎11 | 16♉25 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s37 | 8s53 | 0n48 | 24s53 | 1s50 | 12s46 | 2n56 | 22s46 | 1s 3 | 19s 8 | 0s47 | 13s10 | 2n16 | 16n27 | 0n45 | 6n21 | 1n21 | 26n57 | 5n52 | 6s11 | 6s12 | 1s52 | 15n 3 | 1s54 |
| M 2 | 22 29 | 12 7 | 1 50 | 24 46 | 1 53 | 12 31 | 3 10 | 22 38 | 1 4 | 19 5 | 0 47 | 13 11 | 2 16 | 16 27 | 0 45 | 6 21 | 1 21 | 26 57 | 5 53 | 6 10 | 6 10 | 1 54 | 15 3 | 1 54 |
| T 3 | 22 21 | 14 53 | 2 47 | 24 38 | 1 56 | 12 17 | 3 24 | 22 30 | 1 4 | 19 1 | 0 47 | 13 12 | 2 16 | 16 28 | 0 45 | 6 21 | 1 21 | 26 58 | 5 53 | 6 9 | 6 9 | 1 56 | 15 3 | 1 54 |
| W 4 | 22 13 | 17 2 | 3 38 | 24 28 | 1 58 | 12 3 | 3 38 | 22 22 | 1 4 | 18 57 | 0 47 | 13 13 | 2 16 | 16 29 | 0 45 | 6 22 | 1 21 | 26 58 | 5 53 | 6 7 | 6 8 | 1 58 | 15 2 | 1 54 |
| T 5 | 22 4 | 18 23 | 4 19 | 24 17 | 2 0 | 11 50 | 3 53 | 22 13 | 1 4 | 18 54 | 0 47 | 13 14 | 2 16 | 16 29 | 0 45 | 6 22 | 1 21 | 26 59 | 5 53 | 6 4 | 6 7 | 2 0 | 15 2 | 1 53 |
| F 6 | 21 55 | 18 46 | 4 47 | 24 3 | 2 1 | 11 37 | 4 7 | 22 5 | 1 4 | 18 50 | 0 47 | 13 15 | 2 17 | 16 30 | 0 45 | 6 22 | 1 21 | 26 59 | 5 53 | 5 59 | 6 5 | 2 2 | 15 2 | 1 53 |
| S 7 | 21 45 | 18 5 | 5 0 | 23 48 | 2 3 | 11 25 | 4 22 | 21 56 | 1 4 | 18 46 | 0 47 | 13 16 | 2 17 | 16 31 | 0 45 | 6 23 | 1 21 | 26 59 | 5 53 | 5 55 | 6 4 | 2 3 | 15 2 | 1 53 |
| S 8 | 21 35 | 16 19 | 4 55 | 23 32 | 2 3 | 11 14 | 4 37 | 21 46 | 1 4 | 18 43 | 0 47 | 13 17 | 2 17 | 16 31 | 0 45 | 6 23 | 1 21 | 27 0 | 5 53 | 5 50 | 6 3 | 2 5 | 15 1 | 1 53 |
| M 9 | 21 25 | 13 31 | 4 32 | 23 14 | 2 4 | 11 3 | 4 51 | 21 37 | 1 4 | 18 39 | 0 47 | 13 18 | 2 17 | 16 32 | 0 45 | 6 23 | 1 21 | 27 0 | 5 53 | 5 45 | 6 2 | 2 7 | 15 1 | 1 53 |
| T 10 | 21 14 | 9 52 | 3 52 | 22 53 | 2 3 | 10 54 | 5 6 | 21 27 | 1 4 | 18 35 | 0 47 | 13 19 | 2 17 | 16 33 | 0 45 | 6 24 | 1 21 | 27 0 | 5 53 | 5 41 | 6 0 | 2 9 | 15 1 | 1 53 |
| W11 | 21 2 | 5 37 | 2 56 | 22 32 | 2 3 | 10 45 | 5 20 | 21 17 | 1 5 | 18 31 | 0 47 | 13 20 | 2 17 | 16 34 | 0 45 | 6 24 | 1 21 | 27 1 | 5 53 | 5 38 | 5 59 | 2 11 | 15 1 | 1 53 |
| T 12 | 20 51 | 1 4 | 1 49 | 22 8 | 2 2 | 10 37 | 5 35 | 21 7 | 1 5 | 18 27 | 0 47 | 13 21 | 2 18 | 16 34 | 0 45 | 6 24 | 1 21 | 27 1 | 5 53 | 5 37 | 5 58 | 2 13 | 15 1 | 1 53 |
| F 13 | 20 39 | 3n31 | 0 35 | 21 43 | 2 0 | 10 29 | 5 49 | 20 56 | 1 5 | 18 24 | 0 47 | 13 21 | 2 18 | 16 35 | 0 45 | 6 25 | 1 21 | 27 1 | 5 53 | 5 36 | 5 57 | 2 15 | 15 1 | 1 53 |
| S 14 | 20 26 | 7 52 | 0s40 | 21 16 | 1 58 | 10 23 | 6 2 | 20 46 | 1 5 | 18 20 | 0 47 | 13 22 | 2 18 | 16 36 | 0 45 | 6 25 | 1 21 | 27 2 | 5 54 | 5 36 | 5 55 | 2 17 | 15 1 | 1 53 |
| S 15 | 20 13 | 11 43 | 1 51 | 20 47 | 1 55 | 10 18 | 6 16 | 20 35 | 1 5 | 18 16 | 0 47 | 13 23 | 2 18 | 16 37 | 0 45 | 6 26 | 1 21 | 27 2 | 5 54 | 5 36 | 5 54 | 2 18 | 15 1 | 1 53 |
| M16 | 20 0 | 14 52 | 2 56 | 20 16 | 1 52 | 10 13 | 6 29 | 20 23 | 1 5 | 18 12 | 0 47 | 13 24 | 2 18 | 16 37 | 0 45 | 6 26 | 1 21 | 27 2 | 5 54 | 5 36 | 5 53 | 2 20 | 15 1 | 1 53 |
| T 17 | 19 46 | 17 8 | 3 49 | 19 44 | 1 48 | 10 10 | 6 42 | 20 12 | 1 5 | 18 8 | 0 47 | 13 24 | 2 19 | 16 38 | 0 45 | 6 27 | 1 22 | 27 3 | 5 54 | 5 34 | 5 52 | 2 22 | 15 1 | 1 53 |
| W18 | 19 32 | 18 26 | 4 29 | 19 10 | 1 44 | 10 7 | 6 54 | 20 0 | 1 5 | 18 4 | 0 47 | 13 25 | 2 19 | 16 39 | 0 45 | 6 27 | 1 22 | 27 3 | 5 54 | 5 32 | 5 51 | 2 24 | 15 1 | 1 53 |
| T 19 | 19 18 | 18 41 | 4 53 | 18 35 | 1 39 | 10 5 | 7 5 | 19 49 | 1 5 | 18 0 | 0 47 | 13 26 | 2 19 | 16 40 | 0 45 | 6 28 | 1 22 | 27 3 | 5 54 | 5 28 | 5 49 | 2 26 | 15 1 | 1 53 |
| F 20 | 19 4 | 17 55 | 5 2 | 17 58 | 1 33 | 10 4 | 7 16 | 19 36 | 1 5 | 17 56 | 0 48 | 13 26 | 2 19 | 16 41 | 0 45 | 6 28 | 1 22 | 27 4 | 5 54 | 5 24 | 5 48 | 2 28 | 15 1 | 1 53 |
| S 21 | 18 49 | 16 15 | 4 55 | 17 19 | 1 27 | 10 4 | 7 26 | 19 24 | 1 5 | 17 52 | 0 48 | 13 27 | 2 19 | 16 41 | 0 45 | 6 28 | 1 22 | 27 4 | 5 54 | 5 19 | 5 47 | 2 30 | 15 1 | 1 53 |
| S 22 | 18 33 | 13 49 | 4 34 | 16 39 | 1 20 | 10 5 | 7 35 | 19 12 | 1 5 | 17 48 | 0 48 | 13 27 | 2 20 | 16 42 | 0 45 | 6 29 | 1 22 | 27 4 | 5 54 | 5 14 | 5 46 | 2 31 | 15 1 | 1 53 |
| M23 | 18 18 | 10 47 | 3 59 | 15 58 | 1 12 | 10 7 | 7 44 | 18 59 | 1 5 | 17 44 | 0 48 | 13 28 | 2 20 | 16 43 | 0 45 | 6 29 | 1 22 | 27 4 | 5 54 | 5 10 | 5 44 | 2 33 | 15 1 | 1 53 |
| T 24 | 18 2 | 7 21 | 3 14 | 15 15 | 1 4 | 10 9 | 7 51 | 18 46 | 1 5 | 17 40 | 0 48 | 13 29 | 2 20 | 16 44 | 0 45 | 6 30 | 1 22 | 27 5 | 5 54 | 5 7 | 5 43 | 2 35 | 15 1 | 1 53 |
| W25 | 17 45 | 3 39 | 2 21 | 14 32 | 0 55 | 10 13 | 7 58 | 18 33 | 1 5 | 17 36 | 0 48 | 13 29 | 2 20 | 16 45 | 0 45 | 6 31 | 1 22 | 27 5 | 5 54 | 5 4 | 5 42 | 2 37 | 15 1 | 1 53 |
| T 26 | 17 29 | 0s 9 | 1 22 | 13 48 | 0 45 | 10 17 | 8 4 | 18 20 | 1 5 | 17 32 | 0 48 | 13 29 | 2 20 | 16 45 | 0 45 | 6 31 | 1 22 | 27 5 | 5 54 | 5 3 | 5 41 | 2 39 | 15 1 | 1 53 |
| F 27 | 17 12 | 3 54 | 0 19 | 13 3 | 0 34 | 10 21 | 8 8 | 18 6 | 1 5 | 17 27 | 0 48 | 13 30 | 2 21 | 16 46 | 0 45 | 6 32 | 1 22 | 27 6 | 5 54 | 5 2 | 5 39 | 2 41 | 15 1 | 1 53 |
| S 28 | 16 54 | 7 30 | 0n44 | 12 18 | 0 23 | 10 27 | 8 12 | 17 53 | 1 5 | 17 23 | 0 48 | 13 30 | 2 21 | 16 47 | 0 45 | 6 32 | 1 22 | 27 6 | 5 54 | 5 2 | 5 38 | 2 43 | 15 2 | 1 53 |
| S 29 | 16 37 | 10 49 | 1 45 | 11 33 | 0 11 | 10 33 | 8 15 | 17 39 | 1 5 | 17 19 | 0 48 | 13 31 | 2 21 | 16 48 | 0 45 | 6 33 | 1 22 | 27 6 | 5 54 | 5 3 | 5 37 | 2 44 | 15 2 | 1 53 |
| M30 | 16 19 | 13 43 | 2 43 | 10 48 | 0n 2 | 10 39 | 8 17 | 17 25 | 1 5 | 17 15 | 0 48 | 13 31 | 2 21 | 16 49 | 0 45 | 6 33 | 1 22 | 27 6 | 5 54 | 5 3 | 5 36 | 2 46 | 15 2 | 1 53 |
| T 31 | 16s 1 | 16s 5 | 3n34 | 10s 3 | 0n16 | 10s46 | 8n18 | 17s11 | 1s 5 | 17s11 | 0s48 | 13s31 | 2n21 | 16n49 | 0n45 | 6n34 | 1n22 | 27n 7 | 5n54 | 5s 2 | 5s34 | 2s48 | 15n 2 | 1s53 |

Julian Day Number = 2069506.5, Delta T = 28m28s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'46, Lahiri = 9°16'47 Julian Calendar 1 Jan. 954 == Greg. Calendar 6 Jan. 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## FEBRUARY 954 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 3 19 | 17♒22'23 | 9♐23 | 4♓52 | 5°R43 | 16♒44 | 15♒18 | 12♏49 | 16°R 2 | 16°R37 | 24°R40 | 12°R39 | 14♎ 0 | 5♎18 | 16♉26 | W 1 |
| T 2 | 9 7 16 | 18°22'48 | 22°18 | 6°10 | 5♒14 | 17°32 | 15°32 | 12°51 | 15♌59 | 16♍35 | 24♋39 | 12♎34 | 13°57 | 5°24 | 16°26 | T 2 |
| F 3 | 9 11 13 | 19°23'11 | 5♑39 | 7°23 | 4°46 | 18°19 | 15°46 | 12°52 | 15°57 | 16°34 | 24°37 | 12°28 | 13°54 | 5°31 | 16°27 | F 3 |
| S 4 | 9 15 9 | 20°23'32 | 19°28 | 8°29 | 4°20 | 19° 6 | 16° 1 | 12°53 | 15°54 | 16°32 | 24°36 | 12°19 | 13°51 | 5°38 | 16°28 | S 4 |
| S 5 | 9 19 6 | 21°23'52 | 3♒43 | 9°27 | 3°57 | 19°54 | 16°15 | 12°54 | 15°51 | 16°31 | 24°35 | 12°11 | 13°48 | 5°44 | 16°30 | S 5 |
| M 6 | 9 23 2 | 22°24'10 | 18°17 | 10°18 | 3°35 | 20°41 | 16°30 | 12°55 | 15°49 | 16°29 | 24°34 | 12° 3 | 13°44 | 5°51 | 16°31 | M 6 |
| T 7 | 9 26 59 | 23°24'27 | 3♓ 6 | 11° 0 | 3°16 | 21°28 | 16°44 | 12°56 | 15°46 | 16°28 | 24°33 | 11°56 | 13°41 | 5°58 | 16°32 | T 7 |
| W 8 | 9 30 55 | 24°24'41 | 18° 0 | 11°34 | 3° 0 | 22°16 | 16°58 | 12°57 | 15°44 | 16°26 | 24°31 | 11°51 | 13°38 | 6° 4 | 16°33 | W 8 |
| T 9 | 9 34 52 | 25°24'54 | 2♈51 | 11°58 | 2°45 | 23° 3 | 17°13 | 12°58 | 15°41 | 16°25 | 24°30 | 11°49 | 13°35 | 6°11 | 16°35 | T 9 |
| F 10 | 9 38 48 | 26°25'04 | 17°32 | 12°13 | 2°34 | 23°50 | 17°27 | 12°58 | 15°38 | 16°23 | 24°29 | 11°D49 | 13°32 | 6°18 | 16°36 | F 10 |
| S 11 | 9 42 45 | 27°25'12 | 1♉59 | 12°R19 | 2°24 | 24°37 | 17°41 | 12°59 | 15°36 | 16°22 | 24°28 | 11°50 | 13°29 | 6°24 | 16°38 | S 11 |
| S 12 | 9 46 42 | 28°25'18 | 16° 8 | 12°15 | 2°18 | 25°25 | 17°56 | 12°59 | 15°33 | 16°20 | 24°27 | 11°51 | 13°25 | 6°31 | 16°39 | S 12 |
| M13 | 9 50 38 | 29°25'22 | 29°59 | 12° 2 | 2°13 | 26°12 | 18°10 | 13° 0 | 15°31 | 16°19 | 24°26 | 11°R52 | 13°22 | 6°38 | 16°41 | M13 |
| T 14 | 9 54 35 | 0♓25'24 | 13♊31 | 11°41 | 2°D11 | 26°59 | 18°24 | 13° 0 | 15°28 | 16°17 | 24°25 | 11°51 | 13°19 | 6°44 | 16°42 | T 14 |
| W15 | 9 58 31 | 1°25'23 | 26°47 | 11°11 | 2°12 | 27°46 | 18°39 | 13°R 0 | 15°26 | 16°16 | 24°24 | 11°48 | 13°16 | 6°51 | 16°44 | W15 |
| T 16 | 10 2 28 | 2°25'21 | 9♋48 | 10°34 | 2°15 | 28°33 | 18°53 | 13° 0 | 15°23 | 16°14 | 24°22 | 11°44 | 13°13 | 6°58 | 16°46 | T 16 |
| F 17 | 10 6 24 | 3°25'16 | 22°35 | 9°50 | 2°20 | 29°21 | 19° 7 | 13° 0 | 15°21 | 16°12 | 24°21 | 11°38 | 13° 9 | 7° 4 | 16°48 | F 17 |
| S 18 | 10 10 21 | 4°25'09 | 5♌ 9 | 9° 1 | 2°27 | 0♓ 8 | 19°21 | 12°59 | 15°18 | 16°11 | 24°20 | 11°31 | 13° 6 | 7°11 | 16°50 | S 18 |
| S 19 | 10 14 17 | 5°24'59 | 17°32 | 8° 8 | 2°37 | 0°55 | 19°35 | 12°59 | 15°16 | 16° 9 | 24°19 | 11°24 | 13° 3 | 7°17 | 16°52 | S 19 |
| M20 | 10 18 14 | 6°24'48 | 29°45 | 7°12 | 2°49 | 1°42 | 19°49 | 12°59 | 15°14 | 16° 7 | 24°18 | 11°18 | 13° 0 | 7°24 | 16°54 | M20 |
| T 21 | 10 22 11 | 7°24'34 | 11♍49 | 6°14 | 3° 3 | 2°29 | 20° 4 | 12°58 | 15°11 | 16° 6 | 24°17 | 11°14 | 12°57 | 7°31 | 16°56 | T 21 |
| W22 | 10 26 7 | 8°24'19 | 23°45 | 5°16 | 3°19 | 3°16 | 20°18 | 12°58 | 15° 9 | 16° 4 | 24°17 | 11°10 | 12°54 | 7°37 | 16°58 | W22 |
| T 23 | 10 30 4 | 9°24'01 | 5♎35 | 4°19 | 3°37 | 4° 3 | 20°32 | 12°57 | 15° 6 | 16° 3 | 24°16 | 11°D 9 | 12°50 | 7°44 | 17° 0 | T 23 |
| F 24 | 10 34 0 | 10°23'42 | 17°23 | 3°25 | 3°57 | 4°50 | 20°46 | 12°56 | 15° 4 | 16° 1 | 24°15 | 11° 9 | 12°47 | 7°51 | 17° 3 | F 24 |
| S 25 | 10 37 57 | 11°23'21 | 29°10 | 2°33 | 4°19 | 5°37 | 21° 0 | 12°55 | 15° 2 | 15°59 | 24°14 | 11°10 | 12°44 | 7°57 | 17° 5 | S 25 |
| S 26 | 10 41 53 | 12°22'57 | 11♏ 1 | 1°45 | 4°42 | 6°24 | 21°14 | 12°54 | 15° 0 | 15°58 | 24°13 | 11°12 | 12°41 | 8° 4 | 17° 7 | S 26 |
| M27 | 10 45 50 | 13°22'32 | 23° 0 | 1° 2 | 5° 8 | 7°11 | 21°27 | 12°53 | 14°57 | 15°56 | 24°12 | 11°14 | 12°38 | 8°11 | 17°10 | M27 |
| T 28 | 10 49 46 | 14♓22'06 | 5♐12 | 0♓24 | 5♒35 | 7♓57 | 21♒41 | 12♏52 | 14♌55 | 15♍54 | 24♋11 | 11♎15 | 12♎35 | 8♎17 | 17♉12 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 15s43 | 17s45 | 4n17 | 9s20 | 0n29 | 10s53 | 8n19 | 16s56 | 1s 5 | 17s 7 | 0s48 | 13s31 | 2n22 | 16n50 | 0n45 | 6n34 | 1n22 | 27n 7 | 5n54 | 5s 1 | 5s33 | 2s50 | 15n 3 | 1s53 | W 1 |
| T 2 | 15 24 | 18 33 | 4 48 | 8 37 | 0 44 | 11 1 | 8 18 | 16 42 | 1 5 | 17 2 | 0 48 | 13 32 | 2 22 | 16 51 | 0 45 | 6 35 | 1 22 | 27 7 | 5 54 | 5 0 | 5 32 | 2 52 | 15 3 | 1 53 | T 2 |
| F 3 | 15 5 | 18 23 | 5 5 | 7 57 | 0 58 | 11 8 | 8 16 | 16 27 | 1 5 | 16 58 | 0 49 | 13 32 | 2 22 | 16 52 | 0 45 | 6 36 | 1 22 | 27 7 | 5 54 | 4 57 | 5 31 | 2 54 | 15 3 | 1 53 | F 3 |
| S 4 | 14 46 | 17 8 | 5 5 | 7 18 | 1 13 | 11 17 | 8 14 | 16 12 | 1 5 | 16 54 | 0 49 | 13 32 | 2 22 | 16 53 | 0 45 | 6 36 | 1 22 | 27 8 | 5 54 | 4 54 | 5 30 | 2 55 | 15 4 | 1 53 | S 4 |
| S 5 | 14 27 | 14 48 | 4 46 | 6 42 | 1 29 | 11 25 | 8 11 | 15 57 | 1 4 | 16 50 | 0 49 | 13 32 | 2 23 | 16 53 | 0 45 | 6 37 | 1 22 | 27 8 | 5 54 | 4 50 | 5 28 | 2 57 | 15 4 | 1 53 | S 5 |
| M 6 | 14 7 | 11 30 | 4 8 | 6 9 | 1 44 | 11 33 | 8 7 | 15 42 | 1 4 | 16 45 | 0 49 | 13 32 | 2 23 | 16 54 | 0 45 | 6 37 | 1 22 | 27 8 | 5 54 | 4 47 | 5 27 | 2 59 | 15 4 | 1 52 | M 6 |
| T 7 | 13 47 | 7 25 | 3 13 | 5 39 | 1 59 | 11 42 | 8 3 | 15 26 | 1 4 | 16 41 | 0 49 | 13 32 | 2 23 | 16 55 | 0 45 | 6 38 | 1 22 | 27 8 | 5 54 | 4 45 | 5 26 | 3 1 | 15 5 | 1 52 | T 7 |
| W 8 | 13 27 | 2 51 | 2 5 | 5 13 | 2 13 | 11 51 | 7 58 | 15 11 | 1 4 | 16 37 | 0 49 | 13 32 | 2 23 | 16 56 | 0 45 | 6 39 | 1 22 | 27 8 | 5 54 | 4 43 | 5 25 | 3 3 | 15 5 | 1 52 | W 8 |
| T 9 | 13 7 | 1n53 | 0 48 | 4 50 | 2 28 | 11 59 | 7 52 | 14 55 | 1 4 | 16 32 | 0 49 | 13 32 | 2 23 | 16 56 | 0 45 | 6 39 | 1 22 | 27 9 | 5 54 | 4 42 | 5 23 | 3 5 | 15 5 | 1 52 | T 9 |
| F 10 | 12 47 | 6 27 | 0s31 | 4 32 | 2 41 | 12 8 | 7 46 | 14 39 | 1 4 | 16 28 | 0 49 | 13 32 | 2 24 | 16 57 | 0 45 | 6 40 | 1 22 | 27 9 | 5 54 | 4 42 | 5 22 | 3 7 | 15 6 | 1 52 | F 10 |
| S 11 | 12 26 | 10 33 | 1 47 | 4 18 | 2 54 | 12 16 | 7 39 | 14 23 | 1 4 | 16 24 | 0 49 | 13 32 | 2 24 | 16 58 | 0 45 | 6 40 | 1 22 | 27 9 | 5 54 | 4 42 | 5 21 | 3 8 | 15 6 | 1 52 | S 11 |
| S 12 | 12 5 | 13 58 | 2 55 | 4 8 | 3 6 | 12 25 | 7 32 | 14 7 | 1 4 | 16 19 | 0 49 | 13 32 | 2 24 | 16 59 | 0 45 | 6 41 | 1 22 | 27 9 | 5 54 | 4 43 | 5 20 | 3 10 | 15 7 | 1 52 | S 12 |
| M13 | 11 44 | 16 29 | 3 52 | 4 4 | 3 16 | 12 33 | 7 25 | 13 51 | 1 3 | 16 15 | 0 49 | 13 32 | 2 24 | 16 59 | 0 45 | 6 42 | 1 22 | 27 9 | 5 54 | 4 43 | 5 18 | 3 12 | 15 7 | 1 52 | M13 |
| T 14 | 11 23 | 18 1 | 4 34 | 4 4 | 3 25 | 12 41 | 7 17 | 13 35 | 1 3 | 16 11 | 0 49 | 13 32 | 2 24 | 17 0 | 0 45 | 6 42 | 1 22 | 27 10 | 5 54 | 4 43 | 5 17 | 3 14 | 15 8 | 1 52 | T 14 |
| W15 | 11 2 | 18 32 | 5 0 | 4 8 | 3 33 | 12 49 | 7 9 | 13 18 | 1 3 | 16 6 | 0 50 | 13 32 | 2 25 | 17 1 | 0 45 | 6 43 | 1 22 | 27 10 | 5 54 | 4 42 | 5 16 | 3 16 | 15 8 | 1 52 | W15 |
| T 16 | 10 40 | 18 3 | 5 10 | 4 17 | 3 38 | 12 56 | 7 0 | 13 1 | 1 3 | 16 2 | 0 50 | 13 32 | 2 25 | 17 2 | 0 45 | 6 44 | 1 22 | 27 10 | 5 54 | 4 40 | 5 15 | 3 18 | 15 9 | 1 52 | T 16 |
| F 17 | 10 18 | 16 39 | 5 5 | 4 30 | 3 42 | 13 4 | 6 52 | 12 45 | 1 3 | 15 58 | 0 50 | 13 31 | 2 25 | 17 2 | 0 45 | 6 44 | 1 23 | 27 10 | 5 54 | 4 37 | 5 13 | 3 19 | 15 9 | 1 52 | F 17 |
| S 18 | 9 57 | 14 29 | 4 45 | 4 47 | 3 44 | 13 11 | 6 43 | 12 28 | 1 3 | 15 53 | 0 50 | 13 31 | 2 25 | 17 3 | 0 45 | 6 45 | 1 23 | 27 10 | 5 54 | 4 35 | 5 12 | 3 21 | 15 10 | 1 52 | S 18 |
| S 19 | 9 35 | 11 40 | 4 11 | 5 7 | 3 43 | 13 17 | 6 34 | 12 11 | 1 2 | 15 49 | 0 50 | 13 31 | 2 25 | 17 4 | 0 45 | 6 46 | 1 23 | 27 10 | 5 54 | 4 32 | 5 11 | 3 23 | 15 11 | 1 52 | S 19 |
| M20 | 9 12 | 8 24 | 3 27 | 5 30 | 3 41 | 13 24 | 6 24 | 11 54 | 1 2 | 15 45 | 0 50 | 13 30 | 2 26 | 17 5 | 0 45 | 6 46 | 1 23 | 27 11 | 5 54 | 4 30 | 5 10 | 3 25 | 15 11 | 1 52 | M20 |
| T 21 | 8 50 | 4 48 | 2 34 | 5 55 | 3 37 | 13 30 | 6 15 | 11 37 | 1 2 | 15 40 | 0 50 | 13 30 | 2 26 | 17 5 | 0 45 | 6 47 | 1 23 | 27 11 | 5 54 | 4 28 | 5 8 | 3 27 | 15 12 | 1 52 | T 21 |
| W22 | 8 28 | 1 4 | 1 34 | 6 22 | 3 30 | 13 35 | 6 6 | 11 19 | 1 2 | 15 36 | 0 50 | 13 30 | 2 26 | 17 6 | 0 45 | 6 48 | 1 23 | 27 11 | 5 54 | 4 27 | 5 7 | 3 29 | 15 12 | 1 52 | W22 |
| T 23 | 8 5 | 2s42 | 0 30 | 6 50 | 3 22 | 13 41 | 5 56 | 11 2 | 1 2 | 15 31 | 0 50 | 13 29 | 2 26 | 17 7 | 0 45 | 6 48 | 1 23 | 27 11 | 5 54 | 4 26 | 5 6 | 3 30 | 15 13 | 1 52 | T 23 |
| F 24 | 7 43 | 6 20 | 0n34 | 7 19 | 3 13 | 13 45 | 5 47 | 10 45 | 1 1 | 15 27 | 0 51 | 13 29 | 2 26 | 17 7 | 0 45 | 6 49 | 1 23 | 27 11 | 5 54 | 4 26 | 5 5 | 3 32 | 15 14 | 1 52 | F 24 |
| S 25 | 7 20 | 9 43 | 1 37 | 7 48 | 3 2 | 13 50 | 5 37 | 10 27 | 1 1 | 15 23 | 0 51 | 13 28 | 2 27 | 17 8 | 0 45 | 6 49 | 1 23 | 27 11 | 5 54 | 4 27 | 5 3 | 3 34 | 15 14 | 1 52 | S 25 |
| S 26 | 6 57 | 12 44 | 2 37 | 8 16 | 2 50 | 13 54 | 5 27 | 10 9 | 1 1 | 15 18 | 0 51 | 13 28 | 2 27 | 17 9 | 0 45 | 6 50 | 1 23 | 27 11 | 5 54 | 4 27 | 5 2 | 3 36 | 15 15 | 1 52 | S 26 |
| M27 | 6 34 | 15 14 | 3 30 | 8 44 | 2 37 | 13 57 | 5 18 | 9 52 | 1 1 | 15 14 | 0 51 | 13 27 | 2 27 | 17 9 | 0 45 | 6 51 | 1 23 | 27 11 | 5 54 | 4 28 | 5 1 | 3 38 | 15 16 | 1 52 | M27 |
| T 28 | 6s11 | 17s 6 | 4n15 | 9s10 | 2n23 | 14s 0 | 5n 8 | 9s34 | 1s 0 | 15s10 | 0s51 | 13s27 | 2n27 | 17n10 | 0n45 | 6n51 | 1n23 | 27n12 | 5n54 | 4s28 | 5s 0 | 3s40 | 15n17 | 1s52 | T 28 |

Julian Day Number = 2069537.5, Delta T = 28m28s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'51, Lahiri = 9°16'51 Julian Calendar 1 Feb. 954 == Greg. Calendar 6 Feb. 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## MARCH 954 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 53 43 | 15♓21'37 | 17♐41 | 29°R52 | 6♒ 3 | 8♓44 | 21♒55 | 12°R50 | 14°R53 | 15°R53 | 24°R10 | 11°R15 | 12♎31 | 8♎24 | 17♉15 | W 1 |
| T 2 | 10 57 39 | 16°21'07 | 0♑32 | 29♒26 | 6°33 | 9°31 | 22° 9 | 12♏49 | 14♌51 | 15♍51 | 24♋10 | 11♎14 | 12°28 | 8°31 | 17°18 | T 2 |
| F 3 | 11 1 36 | 17°20'35 | 13°48 | 29° 6 | 7° 5 | 10°18 | 22°23 | 12°47 | 14°49 | 15°49 | 24° 9 | 11°13 | 12°25 | 8°37 | 17°20 | F 3 |
| S 4 | 11 5 33 | 18°20'01 | 27°32 | 28°51 | 7°38 | 11° 5 | 22°36 | 12°46 | 14°47 | 15°48 | 24° 8 | 11°10 | 12°22 | 8°44 | 17°23 | S 4 |
| S 5 | 11 9 29 | 19°19'25 | 11♒43 | 28°43 | 8°13 | 11°51 | 22°50 | 12°44 | 14°45 | 15°46 | 24° 8 | 11° 7 | 12°19 | 8°50 | 17°26 | S 5 |
| M 6 | 11 13 26 | 20°18'47 | 26°20 | 28°D41 | 8°48 | 12°38 | 23° 4 | 12°42 | 14°43 | 15°44 | 24° 7 | 11° 4 | 12°15 | 8°57 | 17°29 | M 6 |
| T 7 | 11 17 22 | 21°18'08 | 11♓16 | 28°44 | 9°25 | 13°25 | 23°17 | 12°40 | 14°41 | 15°43 | 24° 6 | 11° 1 | 12°12 | 9° 4 | 17°31 | T 7 |
| W 8 | 11 21 19 | 22°17'26 | 26°23 | 28°53 | 10° 4 | 14°11 | 23°31 | 12°39 | 14°39 | 15°41 | 24° 6 | 11° 0 | 12° 9 | 9°10 | 17°34 | W 8 |
| T 9 | 11 25 15 | 23°16'42 | 11♈32 | 29° 7 | 10°43 | 14°58 | 23°44 | 12°36 | 14°37 | 15°39 | 24° 5 | 11°D 0 | 12° 6 | 9°17 | 17°37 | T 9 |
| F 10 | 11 29 12 | 24°15'56 | 26°33 | 29°27 | 11°23 | 15°45 | 23°58 | 12°34 | 14°35 | 15°38 | 24° 4 | 11° 0 | 12° 3 | 9°24 | 17°40 | F 10 |
| S 11 | 11 33 8 | 25°15'07 | 11♉20 | 29°51 | 12° 5 | 16°31 | 24°11 | 12°32 | 14°33 | 15°36 | 24° 4 | 11° 1 | 12° 0 | 9°30 | 17°43 | S 11 |
| S 12 | 11 37 5 | 26°14'17 | 25°46 | 0♓19 | 12°47 | 17°18 | 24°25 | 12°30 | 14°32 | 15°34 | 24° 3 | 11° 2 | 11°56 | 9°37 | 17°47 | S 12 |
| M13 | 11 41 2 | 27°13'24 | 9♊49 | 0°52 | 13°31 | 18° 4 | 24°38 | 12°27 | 14°30 | 15°33 | 24° 3 | 11° 3 | 11°53 | 9°44 | 17°50 | M13 |
| T 14 | 11 44 58 | 28°12'28 | 23°27 | 1°29 | 14°15 | 18°50 | 24°51 | 12°25 | 14°28 | 15°31 | 24° 2 | 11°R 4 | 11°50 | 9°50 | 17°53 | T 14 |
| W15 | 11 48 55 | 29°11'31 | 6♋43 | 2°10 | 15° 1 | 19°37 | 25° 4 | 12°22 | 14°26 | 15°30 | 24° 2 | 11° 4 | 11°47 | 9°57 | 17°56 | W15 |
| T 16 | 11 52 51 | 0♈10'31 | 19°37 | 2°55 | 15°47 | 20°23 | 25°17 | 12°20 | 14°25 | 15°28 | 24° 1 | 11° 3 | 11°44 | 10° 4 | 18° 0 | T 16 |
| F 17 | 11 56 48 | 1° 9'28 | 2♌14 | 3°43 | 16°34 | 21° 9 | 25°30 | 12°17 | 14°23 | 15°26 | 24° 1 | 11° 2 | 11°40 | 10°10 | 18° 3 | F 17 |
| S 18 | 12 0 44 | 2° 8'23 | 14°35 | 4°35 | 17°22 | 21°56 | 25°43 | 12°14 | 14°22 | 15°25 | 24° 0 | 11° 1 | 11°37 | 10°17 | 18° 6 | S 18 |
| S 19 | 12 4 41 | 3° 7'16 | 26°45 | 5°29 | 18°11 | 22°42 | 25°56 | 12°11 | 14°20 | 15°23 | 24° 0 | 11° 0 | 11°34 | 10°24 | 18°10 | S 19 |
| M20 | 12 8 37 | 4° 6'07 | 8♍45 | 6°27 | 19° 0 | 23°28 | 26° 9 | 12° 8 | 14°19 | 15°22 | 24° 0 | 10°59 | 11°31 | 10°30 | 18°13 | M20 |
| T 21 | 12 12 34 | 5° 4'55 | 20°39 | 7°27 | 19°50 | 24°14 | 26°22 | 12° 5 | 14°18 | 15°20 | 23°59 | 10°58 | 11°28 | 10°37 | 18°17 | T 21 |
| W22 | 12 16 31 | 6° 3'42 | 2♎29 | 8°30 | 20°41 | 25° 0 | 26°35 | 12° 2 | 14°16 | 15°19 | 23°59 | 10°58 | 11°25 | 10°43 | 18°20 | W22 |
| T 23 | 12 20 27 | 7° 2'26 | 14°17 | 9°36 | 21°33 | 25°46 | 26°47 | 11°59 | 14°15 | 15°17 | 23°59 | 10°D58 | 11°21 | 10°50 | 18°24 | T 23 |
| F 24 | 12 24 24 | 8° 1'08 | 26° 5 | 10°44 | 22°25 | 26°32 | 27° 0 | 11°56 | 14°14 | 15°16 | 23°59 | 10°58 | 11°18 | 10°57 | 18°27 | F 24 |
| S 25 | 12 28 20 | 8°59'49 | 7♏56 | 11°55 | 23°18 | 27°18 | 27°12 | 11°52 | 14°12 | 15°14 | 23°58 | 10°58 | 11°15 | 11° 3 | 18°31 | S 25 |
| S 26 | 12 32 17 | 9°58'27 | 19°52 | 13° 7 | 24°11 | 28° 4 | 27°25 | 11°49 | 14°11 | 15°13 | 23°58 | 10°58 | 11°12 | 11°10 | 18°35 | S 26 |
| M27 | 12 36 13 | 10°57'04 | 1♐56 | 14°22 | 25° 5 | 28°50 | 27°37 | 11°45 | 14°10 | 15°11 | 23°58 | 10°R58 | 11° 9 | 11°17 | 18°39 | M27 |
| T 28 | 12 40 10 | 11°55'39 | 14°11 | 15°40 | 25°59 | 29°36 | 27°50 | 11°42 | 14° 9 | 15°10 | 23°58 | 10°58 | 11° 6 | 11°23 | 18°42 | T 28 |
| W29 | 12 44 6 | 12°54'12 | 26°42 | 16°59 | 26°54 | 0♈22 | 28° 2 | 11°38 | 14° 8 | 15° 8 | 23°58 | 10°58 | 11° 2 | 11°30 | 18°46 | W29 |
| T 30 | 12 48 3 | 13°52'44 | 9♑30 | 18°20 | 27°50 | 1° 8 | 28°14 | 11°35 | 14° 7 | 15° 7 | 23°58 | 10°D58 | 10°59 | 11°37 | 18°50 | T 30 |
| F 31 | 12 51 59 | 14♈51'14 | 22♑41 | 19♓44 | 28♒46 | 1♈53 | 28♒26 | 11♏31 | 14♌ 6 | 15♍ 5 | 23♋58 | 10♎58 | 10♎56 | 11♎43 | 18♉54 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s48 | 18s12 | 4n49 | 9s35 | 2n 8 | 14s 2 | 4n58 | 9s16 | 1s 0 | 15s 5 | 0s51 | 13s26 | 2n27 | 17n10 | 0n45 | 6n52 | 1n23 | 27n12 | 5n54 | 4s29 | 4s58 | 3s41 | 15n17 | 1s52 |
| T 2 | 5 25 | 18 25 | 5 10 | 9 58 | 1 53 | 14 4 | 4 49 | 8 58 | 1 0 | 15 1 | 0 51 | 13 26 | 2 28 | 17 11 | 0 45 | 6 53 | 1 23 | 27 12 | 5 54 | 4 28 | 4 57 | 3 43 | 15 18 | 1 52 |
| F 3 | 5 2 | 17 38 | 5 15 | 10 19 | 1 38 | 14 6 | 4 39 | 8 40 | 1 0 | 14 56 | 0 51 | 13 25 | 2 28 | 17 12 | 0 45 | 6 53 | 1 23 | 27 12 | 5 53 | 4 27 | 4 56 | 3 45 | 15 19 | 1 52 |
| S 4 | 4 38 | 15 49 | 5 3 | 10 38 | 1 23 | 14 7 | 4 30 | 8 22 | 0 59 | 14 52 | 0 52 | 13 24 | 2 28 | 17 12 | 0 45 | 6 54 | 1 23 | 27 12 | 5 53 | 4 26 | 4 55 | 3 47 | 15 20 | 1 52 |
| S 5 | 4 15 | 13 1 | 4 32 | 10 55 | 1 8 | 14 7 | 4 20 | 8 4 | 0 59 | 14 48 | 0 52 | 13 24 | 2 28 | 17 13 | 0 45 | 6 55 | 1 23 | 27 12 | 5 53 | 4 25 | 4 53 | 3 49 | 15 20 | 1 52 |
| M 6 | 3 51 | 9 19 | 3 42 | 11 10 | 0 54 | 14 7 | 4 11 | 7 46 | 0 59 | 14 43 | 0 52 | 13 23 | 2 28 | 17 13 | 0 45 | 6 55 | 1 23 | 27 12 | 5 53 | 4 24 | 4 52 | 3 50 | 15 21 | 1 52 |
| T 7 | 3 28 | 4 58 | 2 37 | 11 22 | 0 39 | 14 7 | 4 1 | 7 27 | 0 59 | 14 39 | 0 52 | 13 22 | 2 29 | 17 14 | 0 45 | 6 56 | 1 23 | 27 12 | 5 53 | 4 23 | 4 51 | 3 52 | 15 22 | 1 52 |
| W 8 | 3 5 | 0 14 | 1 20 | 11 32 | 0 25 | 14 6 | 3 52 | 7 9 | 0 58 | 14 35 | 0 52 | 13 21 | 2 29 | 17 15 | 0 45 | 6 57 | 1 23 | 27 12 | 5 53 | 4 23 | 4 50 | 3 54 | 15 23 | 1 52 |
| T 9 | 2 41 | 4n32 | 0s 3 | 11 40 | 0 11 | 14 4 | 3 43 | 6 51 | 0 58 | 14 30 | 0 52 | 13 21 | 2 29 | 17 15 | 0 45 | 6 57 | 1 23 | 27 12 | 5 53 | 4 22 | 4 48 | 3 56 | 15 24 | 1 52 |
| F 10 | 2 17 | 8 59 | 1 25 | 11 46 | 0s 2 | 14 2 | 3 34 | 6 32 | 0 58 | 14 26 | 0 52 | 13 20 | 2 29 | 17 16 | 0 45 | 6 58 | 1 23 | 27 12 | 5 53 | 4 23 | 4 47 | 3 58 | 15 25 | 1 52 |
| S 11 | 1 54 | 12 46 | 2 40 | 11 50 | 0 15 | 13 59 | 3 25 | 6 14 | 0 57 | 14 21 | 0 52 | 13 19 | 2 29 | 17 16 | 0 45 | 6 59 | 1 23 | 27 12 | 5 53 | 4 23 | 4 46 | 4 0 | 15 25 | 1 52 |
| S 12 | 1 30 | 15 41 | 3 44 | 11 51 | 0 28 | 13 56 | 3 16 | 5 55 | 0 57 | 14 17 | 0 53 | 13 18 | 2 29 | 17 17 | 0 45 | 6 59 | 1 23 | 27 12 | 5 53 | 4 23 | 4 45 | 4 1 | 15 26 | 1 52 |
| M13 | 1 7 | 17 34 | 4 31 | 11 50 | 0 40 | 13 52 | 3 7 | 5 37 | 0 57 | 14 13 | 0 53 | 13 17 | 2 30 | 17 17 | 0 45 | 7 0 | 1 23 | 27 12 | 5 53 | 4 24 | 4 43 | 4 3 | 15 27 | 1 52 |
| T 14 | 0 43 | 18 22 | 5 2 | 11 48 | 0 51 | 13 48 | 2 58 | 5 18 | 0 56 | 14 8 | 0 53 | 13 16 | 2 30 | 17 18 | 0 45 | 7 1 | 1 23 | 27 12 | 5 53 | 4 24 | 4 42 | 4 5 | 15 28 | 1 52 |
| W15 | 0 19 | 18 8 | 5 16 | 11 43 | 1 2 | 13 43 | 2 50 | 5 0 | 0 56 | 14 4 | 0 53 | 13 15 | 2 30 | 17 18 | 0 45 | 7 1 | 1 23 | 27 12 | 5 53 | 4 24 | 4 41 | 4 7 | 15 29 | 1 52 |
| T 16 | 0n 4 | 16 57 | 5 14 | 11 36 | 1 12 | 13 38 | 2 41 | 4 41 | 0 56 | 14 0 | 0 53 | 13 14 | 2 30 | 17 18 | 0 45 | 7 2 | 1 23 | 27 12 | 5 53 | 4 24 | 4 40 | 4 9 | 15 30 | 1 52 |
| F 17 | 0 28 | 14 58 | 4 56 | 11 28 | 1 21 | 13 32 | 2 33 | 4 22 | 0 55 | 13 56 | 0 53 | 13 13 | 2 30 | 17 19 | 0 45 | 7 2 | 1 23 | 27 12 | 5 53 | 4 23 | 4 38 | 4 10 | 15 31 | 1 52 |
| S 18 | 0 51 | 12 20 | 4 25 | 11 17 | 1 30 | 13 25 | 2 24 | 4 4 | 0 55 | 13 51 | 0 54 | 13 12 | 2 30 | 17 19 | 0 44 | 7 3 | 1 23 | 27 12 | 5 52 | 4 23 | 4 37 | 4 12 | 15 32 | 1 52 |
| S 19 | 1 15 | 9 12 | 3 42 | 11 5 | 1 39 | 13 18 | 2 16 | 3 45 | 0 55 | 13 47 | 0 54 | 13 11 | 2 30 | 17 20 | 0 44 | 7 4 | 1 23 | 27 12 | 5 52 | 4 22 | 4 36 | 4 14 | 15 33 | 1 52 |
| M20 | 1 38 | 5 43 | 2 50 | 10 51 | 1 47 | 13 11 | 2 8 | 3 26 | 0 54 | 13 43 | 0 54 | 13 10 | 2 31 | 17 20 | 0 44 | 7 4 | 1 23 | 27 12 | 5 52 | 4 22 | 4 35 | 4 16 | 15 34 | 1 52 |
| T 21 | 2 2 | 2 2 | 1 51 | 10 35 | 1 54 | 13 3 | 2 0 | 3 7 | 0 54 | 13 39 | 0 54 | 13 9 | 2 31 | 17 20 | 0 44 | 7 5 | 1 23 | 27 12 | 5 52 | 4 22 | 4 33 | 4 18 | 15 35 | 1 52 |
| W22 | 2 25 | 1s43 | 0 47 | 10 18 | 2 1 | 12 54 | 1 52 | 2 49 | 0 53 | 13 34 | 0 54 | 13 8 | 2 31 | 17 21 | 0 44 | 7 5 | 1 23 | 27 12 | 5 52 | 4 22 | 4 32 | 4 19 | 15 36 | 1 52 |
| T 23 | 2 49 | 5 23 | 0n18 | 9 58 | 2 7 | 12 45 | 1 45 | 2 30 | 0 53 | 13 30 | 0 54 | 13 7 | 2 31 | 17 21 | 0 44 | 7 6 | 1 23 | 27 12 | 5 52 | 4 22 | 4 31 | 4 21 | 15 37 | 1 52 |
| F 24 | 3 12 | 8 50 | 1 23 | 9 38 | 2 13 | 12 35 | 1 37 | 2 11 | 0 53 | 13 26 | 0 55 | 13 6 | 2 31 | 17 22 | 0 44 | 7 7 | 1 23 | 27 12 | 5 52 | 4 22 | 4 30 | 4 23 | 15 38 | 1 52 |
| S 25 | 3 35 | 11 57 | 2 25 | 9 15 | 2 18 | 12 25 | 1 30 | 1 53 | 0 52 | 13 22 | 0 55 | 13 5 | 2 31 | 17 22 | 0 44 | 7 7 | 1 23 | 27 12 | 5 52 | 4 22 | 4 28 | 4 25 | 15 39 | 1 52 |
| S 26 | 3 58 | 14 35 | 3 20 | 8 51 | 2 22 | 12 15 | 1 22 | 1 34 | 0 52 | 13 18 | 0 55 | 13 4 | 2 31 | 17 22 | 0 44 | 7 8 | 1 23 | 27 12 | 5 52 | 4 22 | 4 27 | 4 27 | 15 40 | 1 52 |
| M27 | 4 21 | 16 37 | 4 7 | 8 26 | 2 26 | 12 3 | 1 15 | 1 15 | 0 51 | 13 14 | 0 55 | 13 3 | 2 31 | 17 22 | 0 44 | 7 8 | 1 23 | 27 12 | 5 52 | 4 22 | 4 26 | 4 28 | 15 41 | 1 52 |
| T 28 | 4 44 | 17 56 | 4 44 | 7 59 | 2 29 | 11 52 | 1 8 | 0 56 | 0 51 | 13 9 | 0 55 | 13 1 | 2 32 | 17 23 | 0 44 | 7 9 | 1 23 | 27 12 | 5 52 | 4 22 | 4 25 | 4 30 | 15 42 | 1 52 |
| W29 | 5 7 | 18 24 | 5 8 | 7 30 | 2 32 | 11 40 | 1 1 | 0 38 | 0 51 | 13 5 | 0 55 | 13 0 | 2 32 | 17 23 | 0 44 | 7 9 | 1 23 | 27 12 | 5 52 | 4 22 | 4 23 | 4 32 | 15 43 | 1 52 |
| T 30 | 5 30 | 17 57 | 5 18 | 7 0 | 2 34 | 11 27 | 0 54 | 0 19 | 0 50 | 13 1 | 0 56 | 12 59 | 2 32 | 17 23 | 0 44 | 7 10 | 1 23 | 27 12 | 5 51 | 4 22 | 4 22 | 4 34 | 15 44 | 1 52 |
| F 31 | 5n53 | 16s32 | 5n11 | 6s29 | 2s36 | 11s14 | 0n47 | 0s 0 | 0s50 | 12s57 | 0s56 | 12s58 | 2n32 | 17n23 | 0n44 | 7n10 | 1n23 | 27n12 | 5n51 | 4s22 | 4s21 | 4s36 | 15n45 | 1s52 |

Julian Day Number = 2069565.5, Delta T = 28m27s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'54, Lahiri = 9°16'55 Julian Calendar 1 March 954 == Greg. Calendar 6 March 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## APRIL 954 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 55 56 | 15♈49'42 | 6♒16 | 21♓ 9 | 29♒43 | 2♈39 | 28♒38 | 11°R27 | 14°R 6 | 15°R 4 | 23°D58 | 10♎58 | 10♎53 | 11♎50 | 18♉58 | S 1 |
| S 2 | 12 59 53 | 16°48'09 | 20°16 | 22°36 | 0♓40 | 3°25 | 28°50 | 11♏23 | 14♌ 5 | 15♍ 3 | 23♋58 | 10°59 | 10°50 | 11°57 | 19° 2 | S 2 |
| M 3 | 13 3 49 | 17°46'34 | 4♓42 | 24° 5 | 1°37 | 4°10 | 29° 2 | 11°19 | 14° 4 | 15° 1 | 23°58 | 10°59 | 10°46 | 12° 3 | 19° 6 | M 3 |
| T 4 | 13 7 46 | 18°44'57 | 19°29 | 25°36 | 2°35 | 4°56 | 29°14 | 11°15 | 14° 3 | 15° 0 | 23°58 | 11° 0 | 10°43 | 12°10 | 19°10 | T 4 |
| W 5 | 13 11 42 | 19°43'19 | 4♈32 | 27° 9 | 3°33 | 5°41 | 29°25 | 11°11 | 14° 3 | 14°59 | 23°58 | 11°R 0 | 10°40 | 12°16 | 19°14 | W 5 |
| T 6 | 13 15 39 | 20°41'38 | 19°43 | 28°43 | 4°32 | 6°27 | 29°37 | 11° 7 | 14° 2 | 14°57 | 23°58 | 11° 0 | 10°37 | 12°23 | 19°18 | T 6 |
| F 7 | 13 19 35 | 21°39'56 | 4♉52 | 0♈20 | 5°31 | 7°12 | 29°48 | 11° 3 | 14° 1 | 14°56 | 23°58 | 10°59 | 10°34 | 12°30 | 19°22 | F 7 |
| S 8 | 13 23 32 | 22°38'12 | 19°51 | 1°58 | 6°30 | 7°57 | 29°59 | 10°59 | 14° 1 | 14°55 | 23°58 | 10°58 | 10°31 | 12°36 | 19°26 | S 8 |
| S 9 | 13 27 28 | 23°36'26 | 4♊31 | 3°38 | 7°30 | 8°43 | 0♓11 | 10°55 | 14° 1 | 14°54 | 23°59 | 10°57 | 10°27 | 12°43 | 19°30 | S 9 |
| M10 | 13 31 25 | 24°34'39 | 18°46 | 5°20 | 8°30 | 9°28 | 0°22 | 10°51 | 14° 0 | 14°52 | 23°59 | 10°55 | 10°24 | 12°50 | 19°34 | M10 |
| T 11 | 13 35 22 | 25°32'49 | 2♋35 | 7° 3 | 9°30 | 10°13 | 0°33 | 10°47 | 14° 0 | 14°51 | 23°59 | 10°54 | 10°21 | 12°56 | 19°38 | T 11 |
| W12 | 13 39 18 | 26°30'57 | 15°56 | 8°48 | 10°31 | 10°58 | 0°44 | 10°43 | 14° 0 | 14°50 | 23°59 | 10°53 | 10°18 | 13° 3 | 19°43 | W12 |
| T 13 | 13 43 15 | 27°29'03 | 28°53 | 10°36 | 11°32 | 11°43 | 0°55 | 10°38 | 13°59 | 14°49 | 24° 0 | 10°D53 | 10°15 | 13°10 | 19°47 | T 13 |
| F 14 | 13 47 11 | 28°27'07 | 11♌27 | 12°25 | 12°33 | 12°28 | 1° 6 | 10°34 | 13°59 | 14°48 | 24° 0 | 10°53 | 10°11 | 13°16 | 19°51 | F 14 |
| S 15 | 13 51 8 | 29°25'09 | 23°44 | 14°16 | 13°35 | 13°13 | 1°17 | 10°30 | 13°59 | 14°47 | 24° 0 | 10°54 | 10° 8 | 13°23 | 19°55 | S 15 |
| S 16 | 13 55 4 | 0♉23'09 | 5♍47 | 16° 8 | 14°37 | 13°58 | 1°28 | 10°25 | 13°59 | 14°46 | 24° 1 | 10°56 | 10° 5 | 13°30 | 20° 0 | S 16 |
| M17 | 13 59 1 | 1°21'07 | 17°41 | 18° 3 | 15°39 | 14°43 | 1°38 | 10°21 | 13°D59 | 14°45 | 24° 1 | 10°57 | 10° 2 | 13°36 | 20° 4 | M17 |
| T 18 | 14 2 57 | 2°19'04 | 29°29 | 19°59 | 16°41 | 15°28 | 1°48 | 10°16 | 13°59 | 14°44 | 24° 1 | 10°58 | 9°59 | 13°43 | 20° 8 | T 18 |
| W19 | 14 6 54 | 3°16'58 | 11♎16 | 21°57 | 17°44 | 16°13 | 1°59 | 10°12 | 13°59 | 14°43 | 24° 2 | 10°R59 | 9°56 | 13°49 | 20°13 | W19 |
| T 20 | 14 10 51 | 4°14'51 | 23° 5 | 23°57 | 18°47 | 16°58 | 2° 9 | 10° 8 | 13°59 | 14°42 | 24° 2 | 10°58 | 9°52 | 13°56 | 20°17 | T 20 |
| F 21 | 14 14 47 | 5°12'42 | 4♏56 | 25°59 | 19°50 | 17°42 | 2°19 | 10° 3 | 14° 0 | 14°41 | 24° 3 | 10°57 | 9°49 | 14° 3 | 20°21 | F 21 |
| S 22 | 14 18 44 | 6°10'32 | 16°54 | 28° 2 | 20°53 | 18°27 | 2°29 | 9°59 | 14° 0 | 14°40 | 24° 3 | 10°54 | 9°46 | 14° 9 | 20°26 | S 22 |
| S 23 | 14 22 40 | 7° 8'21 | 28°59 | 0♉ 7 | 21°57 | 19°12 | 2°39 | 9°54 | 14° 0 | 14°39 | 24° 4 | 10°50 | 9°43 | 14°16 | 20°30 | S 23 |
| M24 | 14 26 37 | 8° 6'08 | 11♐14 | 2°13 | 23° 1 | 19°56 | 2°49 | 9°50 | 14° 1 | 14°38 | 24° 5 | 10°45 | 9°40 | 14°23 | 20°34 | M24 |
| T 25 | 14 30 33 | 9° 3'53 | 23°40 | 4°20 | 24° 5 | 20°41 | 2°58 | 9°45 | 14° 1 | 14°37 | 24° 5 | 10°41 | 9°37 | 14°29 | 20°39 | T 25 |
| W26 | 14 34 30 | 10° 1'38 | 6♑19 | 6°29 | 25° 9 | 21°25 | 3° 8 | 9°41 | 14° 1 | 14°37 | 24° 6 | 10°37 | 9°33 | 14°36 | 20°43 | W26 |
| T 27 | 14 38 26 | 10°59'21 | 19°13 | 8°39 | 26°14 | 22° 9 | 3°17 | 9°36 | 14° 2 | 14°36 | 24° 7 | 10°34 | 9°30 | 14°43 | 20°48 | T 27 |
| F 28 | 14 42 23 | 11°57'03 | 2♒24 | 10°49 | 27°18 | 22°54 | 3°26 | 9°32 | 14° 3 | 14°35 | 24° 7 | 10°32 | 9°27 | 14°49 | 20°52 | F 28 |
| S 29 | 14 46 20 | 12°54'44 | 15°54 | 13° 0 | 28°23 | 23°38 | 3°36 | 9°27 | 14° 3 | 14°34 | 24° 8 | 10°D32 | 9°24 | 14°56 | 20°57 | S 29 |
| S 30 | 14 50 16 | 13♉52'24 | 29♒44 | 15♉12 | 29♓28 | 24♈22 | 3♓45 | 9♏23 | 14♌ 4 | 14♍34 | 24♋ 9 | 10♎32 | 9♎21 | 15♎ 3 | 21♉ 1 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n16 | 14s10 | 4n48 | 5s56 | 2s37 | 11s 0 | 0n41 | 0n18 | 0s49 | 12s53 | 0s56 | 12s57 | 2n32 | 17n24 | 0n44 | 7n11 | 1n23 | 27n12 | 5n51 | 4s22 | 4s20 | 4s37 | 15n46 | 1s52 |
| S 2 | 6 38 | 10 55 | 4 6 | 5 22 | 2 38 | 10 46 | 0 34 | 0 37 | 0 49 | 12 49 | 0 56 | 12 55 | 2 32 | 17 24 | 0 44 | 7 11 | 1 23 | 27 12 | 5 51 | 4 22 | 4 18 | 4 39 | 15 47 | 1 52 |
| M 3 | 7 1 | 6 55 | 3 9 | 4 47 | 2 38 | 10 32 | 0 28 | 0 56 | 0 48 | 12 45 | 0 56 | 12 54 | 2 32 | 17 24 | 0 44 | 7 12 | 1 23 | 27 12 | 5 51 | 4 22 | 4 17 | 4 41 | 15 48 | 1 52 |
| T 4 | 7 23 | 2 24 | 1 57 | 4 10 | 2 37 | 10 17 | 0 21 | 1 14 | 0 48 | 12 41 | 0 56 | 12 53 | 2 32 | 17 24 | 0 44 | 7 12 | 1 23 | 27 11 | 5 51 | 4 22 | 4 16 | 4 43 | 15 49 | 1 52 |
| W 5 | 7 45 | 2n22 | 0 36 | 3 32 | 2 36 | 10 1 | 0 15 | 1 33 | 0 48 | 12 37 | 0 57 | 12 51 | 2 32 | 17 24 | 0 44 | 7 13 | 1 23 | 27 11 | 5 51 | 4 23 | 4 15 | 4 45 | 15 50 | 1 52 |
| T 6 | 8 7 | 7 0 | 0s48 | 2 53 | 2 35 | 9 46 | 0 9 | 1 51 | 0 47 | 12 33 | 0 57 | 12 50 | 2 32 | 17 25 | 0 44 | 7 13 | 1 22 | 27 11 | 5 51 | 4 23 | 4 13 | 4 46 | 15 51 | 1 52 |
| F 7 | 8 29 | 11 12 | 2 9 | 2 12 | 2 33 | 9 29 | 0 3 | 2 10 | 0 47 | 12 30 | 0 57 | 12 49 | 2 32 | 17 25 | 0 44 | 7 14 | 1 22 | 27 11 | 5 51 | 4 22 | 4 12 | 4 48 | 15 52 | 1 52 |
| S 8 | 8 51 | 14 36 | 3 19 | 1 30 | 2 30 | 9 13 | 0s 2 | 2 28 | 0 46 | 12 26 | 0 57 | 12 48 | 2 32 | 17 25 | 0 44 | 7 14 | 1 22 | 27 11 | 5 51 | 4 22 | 4 11 | 4 50 | 15 53 | 1 52 |
| S 9 | 9 13 | 16 59 | 4 15 | 0 48 | 2 27 | 8 56 | 0 8 | 2 46 | 0 46 | 12 22 | 0 57 | 12 46 | 2 32 | 17 25 | 0 44 | 7 15 | 1 22 | 27 11 | 5 51 | 4 21 | 4 10 | 4 52 | 15 54 | 1 52 |
| M10 | 9 34 | 18 13 | 4 54 | 0 4 | 2 23 | 8 38 | 0 13 | 3 5 | 0 45 | 12 18 | 0 58 | 12 45 | 2 33 | 17 25 | 0 44 | 7 15 | 1 22 | 27 11 | 5 51 | 4 21 | 4 8 | 4 54 | 15 55 | 1 52 |
| T 11 | 9 56 | 18 19 | 5 14 | 0n41 | 2 19 | 8 20 | 0 19 | 3 23 | 0 45 | 12 14 | 0 58 | 12 44 | 2 33 | 17 25 | 0 44 | 7 16 | 1 22 | 27 11 | 5 50 | 4 20 | 4 7 | 4 55 | 15 57 | 1 52 |
| W12 | 10 17 | 17 23 | 5 16 | 1 28 | 2 14 | 8 2 | 0 24 | 3 41 | 0 44 | 12 11 | 0 58 | 12 42 | 2 33 | 17 25 | 0 44 | 7 16 | 1 22 | 27 10 | 5 50 | 4 20 | 4 6 | 4 57 | 15 58 | 1 52 |
| T 13 | 10 38 | 15 35 | 5 2 | 2 15 | 2 9 | 7 44 | 0 29 | 3 59 | 0 44 | 12 7 | 0 58 | 12 41 | 2 33 | 17 25 | 0 44 | 7 17 | 1 22 | 27 10 | 5 50 | 4 20 | 4 5 | 4 59 | 15 59 | 1 52 |
| F 14 | 10 59 | 13 4 | 4 33 | 3 3 | 2 3 | 7 25 | 0 34 | 4 17 | 0 43 | 12 3 | 0 58 | 12 39 | 2 33 | 17 25 | 0 44 | 7 17 | 1 22 | 27 10 | 5 50 | 4 20 | 4 3 | 5 1 | 16 0 | 1 52 |
| S 15 | 11 20 | 10 1 | 3 53 | 3 52 | 1 56 | 7 5 | 0 39 | 4 36 | 0 43 | 12 0 | 0 59 | 12 38 | 2 33 | 17 25 | 0 44 | 7 17 | 1 22 | 27 10 | 5 50 | 4 20 | 4 2 | 5 3 | 16 1 | 1 52 |
| S 16 | 11 40 | 6 37 | 3 3 | 4 42 | 1 50 | 6 46 | 0 44 | 4 54 | 0 42 | 11 56 | 0 59 | 12 37 | 2 33 | 17 25 | 0 44 | 7 18 | 1 22 | 27 10 | 5 50 | 4 21 | 4 1 | 5 4 | 16 2 | 1 52 |
| M17 | 12 1 | 2 58 | 2 5 | 5 32 | 1 42 | 6 26 | 0 48 | 5 11 | 0 42 | 11 52 | 0 59 | 12 35 | 2 33 | 17 25 | 0 44 | 7 18 | 1 22 | 27 10 | 5 50 | 4 21 | 4 0 | 5 6 | 16 3 | 1 52 |
| T 18 | 12 21 | 0s46 | 1 3 | 6 24 | 1 35 | 6 5 | 0 53 | 5 29 | 0 41 | 11 49 | 0 59 | 12 34 | 2 33 | 17 25 | 0 43 | 7 19 | 1 22 | 27 10 | 5 50 | 4 22 | 3 58 | 5 8 | 16 4 | 1 52 |
| W19 | 12 41 | 4 28 | 0n 2 | 7 16 | 1 26 | 5 45 | 0 57 | 5 47 | 0 41 | 11 45 | 1 0 | 12 33 | 2 33 | 17 25 | 0 43 | 7 19 | 1 22 | 27 9 | 5 50 | 4 22 | 3 57 | 5 10 | 16 5 | 1 52 |
| T 20 | 13 0 | 8 0 | 1 6 | 8 8 | 1 18 | 5 24 | 1 1 | 6 5 | 0 40 | 11 42 | 1 0 | 12 31 | 2 33 | 17 25 | 0 43 | 7 19 | 1 22 | 27 9 | 5 50 | 4 22 | 3 56 | 5 11 | 16 6 | 1 53 |
| F 21 | 13 20 | 11 14 | 2 8 | 9 1 | 1 9 | 5 3 | 1 5 | 6 22 | 0 40 | 11 38 | 1 0 | 12 30 | 2 33 | 17 25 | 0 43 | 7 20 | 1 22 | 27 9 | 5 50 | 4 21 | 3 55 | 5 13 | 16 8 | 1 53 |
| S 22 | 13 39 | 14 1 | 3 5 | 9 55 | 0 59 | 4 41 | 1 9 | 6 40 | 0 39 | 11 35 | 1 0 | 12 28 | 2 33 | 17 25 | 0 43 | 7 20 | 1 22 | 27 9 | 5 49 | 4 20 | 3 53 | 5 15 | 16 9 | 1 53 |
| S 23 | 13 58 | 16 14 | 3 54 | 10 48 | 0 50 | 4 20 | 1 13 | 6 58 | 0 39 | 11 32 | 1 0 | 12 27 | 2 33 | 17 24 | 0 43 | 7 20 | 1 22 | 27 9 | 5 49 | 4 19 | 3 52 | 5 17 | 16 10 | 1 53 |
| M24 | 14 17 | 17 45 | 4 33 | 11 41 | 0 40 | 3 58 | 1 17 | 7 15 | 0 38 | 11 28 | 1 1 | 12 26 | 2 33 | 17 24 | 0 43 | 7 21 | 1 22 | 27 9 | 5 49 | 4 17 | 3 51 | 5 19 | 16 11 | 1 53 |
| T 25 | 14 36 | 18 26 | 5 0 | 12 35 | 0 29 | 3 35 | 1 20 | 7 32 | 0 38 | 11 25 | 1 1 | 12 24 | 2 33 | 17 24 | 0 43 | 7 21 | 1 22 | 27 8 | 5 49 | 4 15 | 3 50 | 5 20 | 16 12 | 1 53 |
| W26 | 14 54 | 18 13 | 5 12 | 13 27 | 0 19 | 3 13 | 1 24 | 7 49 | 0 37 | 11 22 | 1 1 | 12 23 | 2 33 | 17 24 | 0 43 | 7 21 | 1 22 | 27 8 | 5 49 | 4 13 | 3 48 | 5 22 | 16 13 | 1 53 |
| T 27 | 15 12 | 17 4 | 5 10 | 14 20 | 0 8 | 2 50 | 1 27 | 8 7 | 0 36 | 11 19 | 1 1 | 12 22 | 2 33 | 17 24 | 0 43 | 7 21 | 1 22 | 27 8 | 5 49 | 4 12 | 3 47 | 5 24 | 16 14 | 1 53 |
| F 28 | 15 30 | 15 0 | 4 51 | 15 11 | 0n 2 | 2 27 | 1 30 | 8 24 | 0 36 | 11 15 | 1 2 | 12 20 | 2 33 | 17 24 | 0 43 | 7 22 | 1 22 | 27 8 | 5 49 | 4 12 | 3 46 | 5 26 | 16 15 | 1 53 |
| S 29 | 15 48 | 12 5 | 4 16 | 16 2 | 0 13 | 2 4 | 1 33 | 8 41 | 0 35 | 11 12 | 1 2 | 12 19 | 2 32 | 17 23 | 0 43 | 7 22 | 1 22 | 27 8 | 5 49 | 4 11 | 3 45 | 5 27 | 16 16 | 1 53 |
| S 30 | 16n 5 | 8s26 | 3n25 | 16n51 | 0n23 | 1s41 | 1s36 | 8n58 | 0s35 | 11s 9 | 1s 2 | 12s17 | 2n32 | 17n23 | 0n43 | 7n22 | 1n22 | 27n 7 | 5n49 | 4s12 | 3s43 | 5s29 | 16n18 | 1s53 |

Julian Day Number = 2069596.5, Delta T = 28m27s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°09'59, Lahiri = 9°16'59 Julian Calendar 1 Apr. 954 == Greg. Calendar 6 Apr. 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## MAY 954 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 54 13 | 14♉50'03 | 13♓55 | 17♉23 | 0♈33 | 25♈ 6 | 3♓54 | 9°R18 | 14♌ 5 | 14°R33 | 24♋ 9 | 10♎34 | 9♎17 | 15♎ 9 | 21♉ 6 | M 1 |
| T 2 | 14 58 9 | 15°47'40 | 28°25 | 19°34 | 1°39 | 25°50 | 4° 2 | 9♏14 | 14° 5 | 14♍32 | 24°10 | 10°35 | 9°14 | 15°16 | 21°10 | T 2 |
| W 3 | 15 2 6 | 16°45'17 | 13♈12 | 21°45 | 2°44 | 26°35 | 4°11 | 9°10 | 14° 6 | 14°32 | 24°11 | 10°R35 | 9°11 | 15°22 | 21°15 | W 3 |
| T 4 | 15 6 2 | 17°42'53 | 28° 9 | 23°55 | 3°50 | 27°19 | 4°20 | 9° 5 | 14° 7 | 14°31 | 24°12 | 10°34 | 9° 8 | 15°29 | 21°19 | T 4 |
| F 5 | 15 9 59 | 18°40'28 | 13♉10 | 26° 4 | 4°56 | 28° 2 | 4°28 | 9° 1 | 14° 8 | 14°31 | 24°13 | 10°32 | 9° 5 | 15°36 | 21°24 | F 5 |
| S 6 | 15 13 55 | 19°38'01 | 28° 5 | 28°12 | 6° 2 | 28°46 | 4°36 | 8°56 | 14° 9 | 14°30 | 24°14 | 10°27 | 9° 2 | 15°42 | 21°28 | S 6 |
| S 7 | 15 17 52 | 20°35'33 | 12♊46 | 0♊18 | 7° 8 | 29°30 | 4°44 | 8°52 | 14°10 | 14°30 | 24°14 | 10°21 | 8°58 | 15°49 | 21°33 | S 7 |
| M 8 | 15 21 49 | 21°33'05 | 27° 6 | 2°22 | 8°14 | 0♉14 | 4°52 | 8°48 | 14°11 | 14°29 | 24°15 | 10°15 | 8°55 | 15°56 | 21°37 | M 8 |
| T 9 | 15 25 45 | 22°30'34 | 11♋ 1 | 4°24 | 9°21 | 0°58 | 5° 0 | 8°43 | 14°12 | 14°29 | 24°16 | 10° 9 | 8°52 | 16° 2 | 21°42 | T 9 |
| W10 | 15 29 42 | 23°28'03 | 24°28 | 6°25 | 10°27 | 1°41 | 5° 8 | 8°39 | 14°14 | 14°29 | 24°17 | 10° 4 | 8°49 | 16° 9 | 21°46 | W10 |
| T 11 | 15 33 38 | 24°25'30 | 7♌28 | 8°23 | 11°34 | 2°25 | 5°15 | 8°35 | 14°15 | 14°28 | 24°18 | 10° 1 | 8°46 | 16°16 | 21°51 | T 11 |
| F 12 | 15 37 35 | 25°22'56 | 20° 5 | 10°19 | 12°41 | 3° 9 | 5°23 | 8°31 | 14°16 | 14°28 | 24°19 | 10°D 0 | 8°43 | 16°22 | 21°55 | F 12 |
| S 13 | 15 41 31 | 26°20'20 | 2♍22 | 12°12 | 13°48 | 3°52 | 5°30 | 8°27 | 14°18 | 14°28 | 24°20 | 10° 0 | 8°39 | 16°29 | 22° 0 | S 13 |
| S 14 | 15 45 28 | 27°17'44 | 14°24 | 14° 3 | 14°55 | 4°35 | 5°37 | 8°22 | 14°19 | 14°27 | 24°21 | 10° 1 | 8°36 | 16°36 | 22° 4 | S 14 |
| M15 | 15 49 24 | 28°15'06 | 26°16 | 15°51 | 16° 2 | 5°19 | 5°44 | 8°18 | 14°20 | 14°27 | 24°22 | 10° 2 | 8°33 | 16°42 | 22° 9 | M15 |
| T 16 | 15 53 21 | 29°12'27 | 8♎ 3 | 17°37 | 17°10 | 6° 2 | 5°51 | 8°14 | 14°22 | 14°27 | 24°24 | 10°R 3 | 8°30 | 16°49 | 22°13 | T 16 |
| W17 | 15 57 18 | 0♊ 9'47 | 19°51 | 19°20 | 18°17 | 6°45 | 5°57 | 8°10 | 14°23 | 14°27 | 24°25 | 10° 2 | 8°27 | 16°56 | 22°18 | W17 |
| T 18 | 16 1 14 | 1° 7'06 | 1♏42 | 21° 0 | 19°25 | 7°29 | 6° 4 | 8° 6 | 14°25 | 14°27 | 24°26 | 10° 0 | 8°23 | 17° 2 | 22°22 | T 18 |
| F 19 | 16 5 11 | 2° 4'24 | 13°40 | 22°38 | 20°32 | 8°12 | 6°10 | 8° 3 | 14°27 | 14°27 | 24°27 | 9°55 | 8°20 | 17° 9 | 22°27 | F 19 |
| S 20 | 16 9 7 | 3° 1'41 | 25°47 | 24°13 | 21°40 | 8°55 | 6°17 | 7°59 | 14°28 | 14°27 | 24°28 | 9°48 | 8°17 | 17°15 | 22°31 | S 20 |
| S 21 | 16 13 4 | 3°58'57 | 8♐ 6 | 25°45 | 22°48 | 9°38 | 6°23 | 7°55 | 14°30 | 14°D27 | 24°29 | 9°40 | 8°14 | 17°22 | 22°36 | S 21 |
| M22 | 16 17 0 | 4°56'13 | 20°36 | 27°15 | 23°56 | 10°21 | 6°28 | 7°51 | 14°32 | 14°27 | 24°31 | 9°30 | 8°11 | 17°29 | 22°40 | M22 |
| T 23 | 16 20 57 | 5°53'28 | 3♑19 | 28°42 | 25° 4 | 11° 4 | 6°34 | 7°47 | 14°34 | 14°27 | 24°32 | 9°20 | 8° 8 | 17°35 | 22°44 | T 23 |
| W24 | 16 24 53 | 6°50'43 | 16°14 | 0♋ 5 | 26°12 | 11°47 | 6°40 | 7°44 | 14°36 | 14°27 | 24°33 | 9°11 | 8° 4 | 17°42 | 22°49 | W24 |
| T 25 | 16 28 50 | 7°47'57 | 29°22 | 1°27 | 27°21 | 12°29 | 6°45 | 7°40 | 14°38 | 14°27 | 24°34 | 9° 4 | 8° 1 | 17°49 | 22°53 | T 25 |
| F 26 | 16 32 47 | 8°45'11 | 12♒43 | 2°45 | 28°29 | 13°12 | 6°50 | 7°37 | 14°40 | 14°27 | 24°36 | 8°59 | 7°58 | 17°55 | 22°58 | F 26 |
| S 27 | 16 36 43 | 9°42'24 | 26°16 | 4° 0 | 29°37 | 13°55 | 6°55 | 7°33 | 14°42 | 14°27 | 24°37 | 8°56 | 7°55 | 18° 2 | 23° 2 | S 27 |
| S 28 | 16 40 40 | 10°39'37 | 10♓ 4 | 5°12 | 0♉46 | 14°38 | 7° 0 | 7°30 | 14°44 | 14°27 | 24°38 | 8°D56 | 7°52 | 18° 9 | 23° 6 | S 28 |
| M29 | 16 44 36 | 11°36'50 | 24° 5 | 6°22 | 1°55 | 15°20 | 7° 5 | 7°27 | 14°46 | 14°27 | 24°40 | 8°56 | 7°48 | 18°15 | 23°11 | M29 |
| T 30 | 16 48 33 | 12°34'03 | 8♈20 | 7°28 | 3° 4 | 16° 3 | 7° 9 | 7°23 | 14°48 | 14°28 | 24°41 | 8°R56 | 7°45 | 18°22 | 23°15 | T 30 |
| W31 | 16 52 29 | 13♊31'16 | 22♈46 | 8♋31 | 4♉12 | 16♉45 | 7♓14 | 7♏20 | 14♌50 | 14♍28 | 24♋42 | 8♎56 | 7♎42 | 18♎29 | 23♉20 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n23 | 4s12 | 2n21 | 17n39 | 0n33 | 1s18 | 1s39 | 9n14 | 0s34 | 11s 6 | 1s 2 | 12s16 | 2n32 | 17n23 | 0n43 | 7n22 | 1n22 | 27n 7 | 5n49 | 4s12 | 3s42 | 5s31 | 16n19 | 1s53 |
| T 2 | 16 40 | 0n23 | 1 6 | 18 25 | 0 44 | 0 54 | 1 42 | 9 31 | 0 34 | 11 3 | 1 3 | 12 15 | 2 32 | 17 23 | 0 43 | 7 23 | 1 22 | 27 7 | 5 49 | 4 13 | 3 41 | 5 33 | 16 20 | 1 53 |
| W 3 | 16 56 | 5 1 | 0s14 | 19 10 | 0 53 | 0 30 | 1 44 | 9 48 | 0 33 | 11 0 | 1 3 | 12 13 | 2 32 | 17 22 | 0 43 | 7 23 | 1 22 | 27 7 | 5 49 | 4 13 | 3 40 | 5 34 | 16 21 | 1 53 |
| T 4 | 17 13 | 9 24 | 1 34 | 19 52 | 1 3 | 0 6 | 1 47 | 10 4 | 0 33 | 10 57 | 1 3 | 12 12 | 2 32 | 17 22 | 0 43 | 7 23 | 1 22 | 27 6 | 5 49 | 4 13 | 3 38 | 5 36 | 16 22 | 1 53 |
| F 5 | 17 29 | 13 12 | 2 48 | 20 32 | 1 12 | 0n18 | 1 49 | 10 20 | 0 32 | 10 55 | 1 3 | 12 11 | 2 32 | 17 22 | 0 43 | 7 23 | 1 22 | 27 6 | 5 48 | 4 11 | 3 37 | 5 38 | 16 23 | 1 54 |
| S 6 | 17 44 | 16 6 | 3 50 | 21 10 | 1 20 | 0 42 | 1 51 | 10 37 | 0 31 | 10 52 | 1 4 | 12 9 | 2 32 | 17 21 | 0 43 | 7 23 | 1 22 | 27 6 | 5 48 | 4 10 | 3 36 | 5 40 | 16 24 | 1 54 |
| S 7 | 18 0 | 17 54 | 4 35 | 21 46 | 1 28 | 1 7 | 1 54 | 10 53 | 0 31 | 10 49 | 1 4 | 12 8 | 2 32 | 17 21 | 0 43 | 7 23 | 1 22 | 27 6 | 5 48 | 4 7 | 3 35 | 5 41 | 16 25 | 1 54 |
| M 8 | 18 15 | 18 30 | 5 2 | 22 18 | 1 35 | 1 31 | 1 56 | 11 9 | 0 30 | 10 46 | 1 4 | 12 7 | 2 32 | 17 21 | 0 43 | 7 24 | 1 22 | 27 6 | 5 48 | 4 5 | 3 33 | 5 43 | 16 26 | 1 54 |
| T 9 | 18 30 | 17 58 | 5 10 | 22 49 | 1 42 | 1 56 | 1 57 | 11 25 | 0 30 | 10 44 | 1 4 | 12 6 | 2 32 | 17 20 | 0 43 | 7 24 | 1 22 | 27 5 | 5 48 | 4 3 | 3 32 | 5 45 | 16 27 | 1 54 |
| W10 | 18 45 | 16 25 | 5 1 | 23 16 | 1 48 | 2 20 | 1 59 | 11 40 | 0 29 | 10 41 | 1 5 | 12 4 | 2 32 | 17 20 | 0 43 | 7 24 | 1 22 | 27 5 | 5 48 | 4 1 | 3 31 | 5 47 | 16 28 | 1 54 |
| T 11 | 18 59 | 14 4 | 4 36 | 23 41 | 1 53 | 2 45 | 2 1 | 11 56 | 0 28 | 10 38 | 1 5 | 12 3 | 2 31 | 17 20 | 0 43 | 7 24 | 1 22 | 27 5 | 5 48 | 3 59 | 3 30 | 5 48 | 16 30 | 1 54 |
| F 12 | 19 13 | 11 7 | 3 58 | 24 4 | 1 58 | 3 10 | 2 2 | 12 12 | 0 28 | 10 36 | 1 5 | 12 2 | 2 31 | 17 19 | 0 43 | 7 24 | 1 21 | 27 5 | 5 48 | 3 59 | 3 28 | 5 50 | 16 31 | 1 54 |
| S 13 | 19 27 | 7 44 | 3 10 | 24 24 | 2 2 | 3 34 | 2 4 | 12 27 | 0 27 | 10 34 | 1 5 | 12 1 | 2 31 | 17 19 | 0 43 | 7 24 | 1 21 | 27 4 | 5 48 | 3 59 | 3 27 | 5 52 | 16 32 | 1 54 |
| S 14 | 19 40 | 4 7 | 2 14 | 24 41 | 2 5 | 3 59 | 2 5 | 12 42 | 0 27 | 10 31 | 1 6 | 11 59 | 2 31 | 17 18 | 0 43 | 7 24 | 1 21 | 27 4 | 5 48 | 3 59 | 3 26 | 5 54 | 16 33 | 1 54 |
| M15 | 19 53 | 0 22 | 1 14 | 24 56 | 2 7 | 4 24 | 2 6 | 12 57 | 0 26 | 10 29 | 1 6 | 11 58 | 2 31 | 17 18 | 0 43 | 7 24 | 1 21 | 27 4 | 5 48 | 4 0 | 3 25 | 5 56 | 16 34 | 1 54 |
| T 16 | 20 6 | 3s23 | 0 11 | 25 8 | 2 9 | 4 49 | 2 7 | 13 12 | 0 25 | 10 27 | 1 6 | 11 57 | 2 31 | 17 17 | 0 42 | 7 24 | 1 21 | 27 4 | 5 48 | 4 0 | 3 23 | 5 57 | 16 35 | 1 55 |
| W17 | 20 18 | 6 59 | 0n53 | 25 18 | 2 10 | 5 14 | 2 8 | 13 27 | 0 25 | 10 24 | 1 7 | 11 56 | 2 31 | 17 17 | 0 42 | 7 24 | 1 21 | 27 3 | 5 48 | 4 0 | 3 22 | 5 59 | 16 36 | 1 55 |
| T 18 | 20 30 | 10 21 | 1 54 | 25 25 | 2 10 | 5 39 | 2 9 | 13 42 | 0 24 | 10 22 | 1 7 | 11 55 | 2 31 | 17 16 | 0 42 | 7 24 | 1 21 | 27 3 | 5 48 | 3 59 | 3 21 | 6 1 | 16 37 | 1 55 |
| F 19 | 20 41 | 13 19 | 2 51 | 25 31 | 2 9 | 6 4 | 2 10 | 13 57 | 0 24 | 10 20 | 1 7 | 11 54 | 2 30 | 17 16 | 0 42 | 7 24 | 1 21 | 27 3 | 5 48 | 3 57 | 3 19 | 6 3 | 16 38 | 1 55 |
| S 20 | 20 53 | 15 44 | 3 41 | 25 34 | 2 8 | 6 28 | 2 10 | 14 11 | 0 23 | 10 18 | 1 7 | 11 53 | 2 30 | 17 15 | 0 42 | 7 24 | 1 21 | 27 2 | 5 48 | 3 54 | 3 18 | 6 4 | 16 39 | 1 55 |
| S 21 | 21 4 | 17 29 | 4 21 | 25 36 | 2 6 | 6 53 | 2 11 | 14 26 | 0 22 | 10 16 | 1 8 | 11 51 | 2 30 | 17 15 | 0 42 | 7 24 | 1 21 | 27 2 | 5 47 | 3 51 | 3 17 | 6 6 | 16 40 | 1 55 |
| M22 | 21 14 | 18 26 | 4 49 | 25 35 | 2 3 | 7 18 | 2 11 | 14 40 | 0 22 | 10 14 | 1 8 | 11 50 | 2 30 | 17 14 | 0 42 | 7 24 | 1 21 | 27 2 | 5 47 | 3 47 | 3 16 | 6 8 | 16 41 | 1 55 |
| T 23 | 21 25 | 18 28 | 5 4 | 25 33 | 1 59 | 7 43 | 2 12 | 14 54 | 0 21 | 10 12 | 1 8 | 11 49 | 2 30 | 17 14 | 0 42 | 7 24 | 1 21 | 27 2 | 5 47 | 3 43 | 3 14 | 6 9 | 16 42 | 1 55 |
| W24 | 21 34 | 17 34 | 5 3 | 25 29 | 1 55 | 8 7 | 2 12 | 15 8 | 0 20 | 10 11 | 1 9 | 11 48 | 2 30 | 17 13 | 0 42 | 7 24 | 1 21 | 27 1 | 5 47 | 3 40 | 3 13 | 6 11 | 16 43 | 1 55 |
| T 25 | 21 44 | 15 43 | 4 47 | 25 23 | 1 50 | 8 32 | 2 12 | 15 22 | 0 20 | 10 9 | 1 9 | 11 47 | 2 29 | 17 12 | 0 42 | 7 24 | 1 21 | 27 1 | 5 47 | 3 37 | 3 12 | 6 13 | 16 44 | 1 56 |
| F 26 | 21 53 | 13 1 | 4 14 | 25 16 | 1 44 | 8 56 | 2 12 | 15 35 | 0 19 | 10 7 | 1 9 | 11 46 | 2 29 | 17 12 | 0 42 | 7 24 | 1 21 | 27 1 | 5 47 | 3 35 | 3 11 | 6 15 | 16 45 | 1 56 |
| S 27 | 22 2 | 9 34 | 3 28 | 25 8 | 1 37 | 9 20 | 2 12 | 15 49 | 0 18 | 10 5 | 1 9 | 11 45 | 2 29 | 17 11 | 0 42 | 7 24 | 1 21 | 27 1 | 5 47 | 3 34 | 3 9 | 6 16 | 16 46 | 1 56 |
| S 28 | 22 10 | 5 33 | 2 28 | 24 58 | 1 30 | 9 45 | 2 12 | 16 2 | 0 18 | 10 4 | 1 10 | 11 45 | 2 29 | 17 11 | 0 42 | 7 24 | 1 21 | 27 0 | 5 47 | 3 33 | 3 8 | 6 18 | 16 47 | 1 56 |
| M29 | 22 18 | 1 10 | 1 19 | 24 47 | 1 22 | 10 9 | 2 12 | 16 15 | 0 17 | 10 2 | 1 10 | 11 44 | 2 29 | 17 10 | 0 42 | 7 24 | 1 21 | 27 0 | 5 47 | 3 34 | 3 7 | 6 20 | 16 48 | 1 56 |
| T 30 | 22 26 | 3n22 | 0 3 | 24 35 | 1 14 | 10 33 | 2 11 | 16 28 | 0 17 | 10 1 | 1 10 | 11 43 | 2 29 | 17 9 | 0 42 | 7 23 | 1 21 | 27 0 | 5 47 | 3 34 | 3 6 | 6 22 | 16 49 | 1 56 |
| W31 | 22n33 | 7n46 | 1s13 | 24n22 | 1n 5 | 10n56 | 2s11 | 16n41 | 0s16 | 10s 0 | 1s11 | 11s42 | 2n28 | 17n 9 | 0n42 | 7n23 | 1n21 | 26n59 | 5n47 | 3s33 | 3s 4 | 6s23 | 16n50 | 1s56 |

Julian Day Number = 2069626.5, Delta T = 28m26s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'03, Lahiri = 9°17'03 Julian Calendar 1 May 954 == Greg. Calendar 6 May 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## JUNE 954 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 56 26 | 14♊28'28 | 7♉22 | 9♋31 | 5♉21 | 17♉28 | 7♓18 | 7°R17 | 14♌52 | 14♍28 | 24♋44 | 8°R53 | 7♎39 | 18♎35 | 23♉24 | T 1 |
| F 2 | 17 0 22 | 15°25'41 | 22° 2 | 10°27 | 6°30 | 18°10 | 7°22 | 7♏14 | 14°55 | 14°29 | 24°45 | 8♎48 | 7°36 | 18°42 | 23°28 | F 2 |
| S 3 | 17 4 19 | 16°22'53 | 6♊40 | 11°20 | 7°40 | 18°52 | 7°26 | 7°11 | 14°57 | 14°29 | 24°47 | 8°40 | 7°33 | 18°49 | 23°32 | S 3 |
| S 4 | 17 8 16 | 17°20'05 | 21° 8 | 12°10 | 8°49 | 19°34 | 7°30 | 7° 8 | 14°59 | 14°30 | 24°48 | 8°30 | 7°29 | 18°55 | 23°37 | S 4 |
| M 5 | 17 12 12 | 18°17'17 | 5♋20 | 12°55 | 9°58 | 20°17 | 7°33 | 7° 5 | 15° 2 | 14°30 | 24°49 | 8°20 | 7°26 | 19° 2 | 23°41 | M 5 |
| T 6 | 17 16 9 | 19°14'28 | 19°10 | 13°37 | 11° 8 | 20°59 | 7°36 | 7° 3 | 15° 4 | 14°30 | 24°51 | 8° 9 | 7°23 | 19° 8 | 23°45 | T 6 |
| W 7 | 17 20 5 | 20°11'39 | 2♌36 | 14°16 | 12°17 | 21°41 | 7°39 | 7° 0 | 15° 7 | 14°31 | 24°52 | 8° 0 | 7°20 | 19°15 | 23°49 | W 7 |
| T 8 | 17 24 2 | 21° 8'50 | 15°36 | 14°50 | 13°26 | 22°23 | 7°42 | 6°57 | 15° 9 | 14°32 | 24°54 | 7°53 | 7°17 | 19°22 | 23°53 | T 8 |
| F 9 | 17 27 58 | 22° 6'00 | 28°14 | 15°20 | 14°36 | 23° 5 | 7°45 | 6°55 | 15°12 | 14°32 | 24°55 | 7°49 | 7°14 | 19°28 | 23°58 | F 9 |
| S 10 | 17 31 55 | 23° 3'10 | 10♍32 | 15°46 | 15°46 | 23°47 | 7°48 | 6°52 | 15°14 | 14°33 | 24°57 | 7°47 | 7°10 | 19°35 | 24° 2 | S 10 |
| S 11 | 17 35 51 | 24° 0'20 | 22°34 | 16° 7 | 16°55 | 24°28 | 7°50 | 6°50 | 15°17 | 14°33 | 24°58 | 7°D46 | 7° 7 | 19°42 | 24° 6 | S 11 |
| M12 | 17 39 48 | 24°57'29 | 4♎27 | 16°24 | 18° 5 | 25°10 | 7°52 | 6°48 | 15°20 | 14°34 | 25° 0 | 7°R46 | 7° 4 | 19°48 | 24°10 | M12 |
| T 13 | 17 43 45 | 25°54'38 | 16°15 | 16°37 | 19°15 | 25°52 | 7°54 | 6°46 | 15°22 | 14°35 | 25° 2 | 7°46 | 7° 1 | 19°55 | 24°14 | T 13 |
| W14 | 17 47 41 | 26°51'47 | 28° 5 | 16°44 | 20°25 | 26°33 | 7°56 | 6°43 | 15°25 | 14°36 | 25° 3 | 7°44 | 6°58 | 20° 2 | 24°18 | W14 |
| T 15 | 17 51 38 | 27°48'55 | 9♏59 | 16°R48 | 21°35 | 27°15 | 7°57 | 6°41 | 15°28 | 14°36 | 25° 5 | 7°41 | 6°54 | 20° 8 | 24°22 | T 15 |
| F 16 | 17 55 34 | 28°46'04 | 22° 4 | 16°46 | 22°45 | 27°57 | 7°59 | 6°40 | 15°31 | 14°37 | 25° 6 | 7°34 | 6°51 | 20°15 | 24°26 | F 16 |
| S 17 | 17 59 31 | 29°43'12 | 4♐21 | 16°40 | 23°55 | 28°38 | 8° 0 | 6°38 | 15°33 | 14°38 | 25° 8 | 7°26 | 6°48 | 20°22 | 24°30 | S 17 |
| S 18 | 18 3 27 | 0♋40'21 | 16°54 | 16°29 | 25° 6 | 29°19 | 8° 1 | 6°36 | 15°36 | 14°39 | 25°10 | 7°15 | 6°45 | 20°28 | 24°34 | S 18 |
| M19 | 18 7 24 | 1°37'30 | 29°41 | 16°14 | 26°16 | 0♊ 1 | 8° 2 | 6°34 | 15°39 | 14°40 | 25°11 | 7° 2 | 6°42 | 20°35 | 24°38 | M19 |
| T 20 | 18 11 20 | 2°34'39 | 12♑45 | 15°54 | 27°26 | 0°42 | 8° 3 | 6°33 | 15°42 | 14°41 | 25°13 | 6°50 | 6°39 | 20°42 | 24°41 | T 20 |
| W21 | 18 15 17 | 3°31'48 | 26° 2 | 15°30 | 28°37 | 1°23 | 8° 3 | 6°31 | 15°45 | 14°42 | 25°15 | 6°38 | 6°35 | 20°48 | 24°45 | W21 |
| T 22 | 18 19 14 | 4°28'58 | 9♒31 | 15° 2 | 29°47 | 2° 4 | 8° 3 | 6°30 | 15°48 | 14°43 | 25°16 | 6°29 | 6°32 | 20°55 | 24°49 | T 22 |
| F 23 | 18 23 10 | 5°26'08 | 23°10 | 14°31 | 0♊58 | 2°45 | 8°R 3 | 6°29 | 15°51 | 14°44 | 25°18 | 6°22 | 6°29 | 21° 2 | 24°53 | F 23 |
| S 24 | 18 27 7 | 6°23'19 | 6♓57 | 13°57 | 2° 8 | 3°27 | 8° 3 | 6°28 | 15°54 | 14°45 | 25°20 | 6°17 | 6°26 | 21° 8 | 24°56 | S 24 |
| S 25 | 18 31 3 | 7°20'30 | 20°52 | 13°20 | 3°19 | 4° 8 | 8° 3 | 6°26 | 15°57 | 14°46 | 25°21 | 6°16 | 6°23 | 21°15 | 25° 0 | S 25 |
| M26 | 18 35 0 | 8°17'42 | 4♈54 | 12°41 | 4°30 | 4°48 | 8° 2 | 6°25 | 16° 1 | 14°47 | 25°23 | 6°15 | 6°20 | 21°21 | 25° 4 | M26 |
| T 27 | 18 38 56 | 9°14'55 | 19° 1 | 12° 1 | 5°41 | 5°29 | 8° 2 | 6°25 | 16° 4 | 14°48 | 25°25 | 6°15 | 6°16 | 21°28 | 25° 7 | T 27 |
| W28 | 18 42 53 | 10°12'09 | 3♉13 | 11°21 | 6°52 | 6°10 | 8° 1 | 6°24 | 16° 7 | 14°49 | 25°26 | 6°14 | 6°13 | 21°35 | 25°11 | W28 |
| T 29 | 18 46 49 | 11° 9'23 | 17°29 | 10°40 | 8° 3 | 6°51 | 8° 0 | 6°23 | 16°10 | 14°50 | 25°28 | 6°11 | 6°10 | 21°41 | 25°14 | T 29 |
| F 30 | 18 50 46 | 12♋ 6'38 | 1♊45 | 10♋ 0 | 9♊14 | 7♊32 | 7♓58 | 6♏22 | 16♌13 | 14♍51 | 25♋30 | 6♎ 5 | 6♎ 7 | 21♎48 | 25♉18 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n40 | 11n45 | 2s26 | 24n 9 | 0n55 | 11n20 | 2s10 | 16n54 | 0s15 | 9s58 | 1s11 | 11s41 | 2n28 | 17n 8 | 0n42 | 7n23 | 1n21 | 26n59 | 5n47 | 3s32 | 3s 3 | 6s25 | 16n51 | 1s56 | T 1 |
| F 2 | 22 46 | 15 1 | 3 28 | 23 54 | 0 45 | 11 43 | 2 10 | 17 6 | 0 15 | 9 57 | 1 11 | 11 40 | 2 28 | 17 7 | 0 42 | 7 23 | 1 21 | 26 59 | 5 47 | 3 30 | 3 2 | 6 27 | 16 52 | 1 57 | F 2 |
| S 3 | 22 52 | 17 19 | 4 17 | 23 39 | 0 34 | 12 7 | 2 9 | 17 18 | 0 14 | 9 56 | 1 11 | 11 40 | 2 28 | 17 7 | 0 42 | 7 23 | 1 21 | 26 59 | 5 47 | 3 27 | 3 1 | 6 29 | 16 53 | 1 57 | S 3 |
| S 4 | 22 58 | 18 28 | 4 49 | 23 23 | 0 22 | 12 30 | 2 8 | 17 31 | 0 13 | 9 55 | 1 12 | 11 39 | 2 28 | 17 6 | 0 42 | 7 23 | 1 21 | 26 58 | 5 47 | 3 23 | 2 59 | 6 30 | 16 54 | 1 57 | S 4 |
| M 5 | 23 3 | 18 26 | 5 2 | 23 6 | 0 10 | 12 52 | 2 7 | 17 43 | 0 13 | 9 54 | 1 12 | 11 38 | 2 27 | 17 5 | 0 42 | 7 22 | 1 21 | 26 58 | 5 47 | 3 19 | 2 58 | 6 32 | 16 55 | 1 57 | M 5 |
| T 6 | 23 8 | 17 17 | 4 57 | 22 50 | 0s 3 | 13 15 | 2 6 | 17 55 | 0 12 | 9 53 | 1 12 | 11 37 | 2 27 | 17 4 | 0 42 | 7 22 | 1 21 | 26 58 | 5 47 | 3 15 | 2 57 | 6 34 | 16 55 | 1 57 | T 6 |
| W 7 | 23 12 | 15 13 | 4 36 | 22 32 | 0 16 | 13 37 | 2 5 | 18 6 | 0 11 | 9 52 | 1 13 | 11 37 | 2 27 | 17 4 | 0 42 | 7 22 | 1 21 | 26 57 | 5 47 | 3 12 | 2 56 | 6 35 | 16 56 | 1 57 | W 7 |
| T 8 | 23 16 | 12 25 | 4 0 | 22 15 | 0 29 | 13 59 | 2 4 | 18 18 | 0 11 | 9 51 | 1 13 | 11 36 | 2 27 | 17 3 | 0 42 | 7 22 | 1 20 | 26 57 | 5 47 | 3 9 | 2 54 | 6 37 | 16 57 | 1 57 | T 8 |
| F 9 | 23 20 | 9 7 | 3 14 | 21 58 | 0 43 | 14 21 | 2 3 | 18 29 | 0 10 | 9 51 | 1 13 | 11 35 | 2 26 | 17 2 | 0 42 | 7 21 | 1 20 | 26 57 | 5 47 | 3 7 | 2 53 | 6 39 | 16 58 | 1 58 | F 9 |
| S 10 | 23 23 | 5 31 | 2 20 | 21 41 | 0 58 | 14 43 | 2 2 | 18 40 | 0 9 | 9 50 | 1 14 | 11 35 | 2 26 | 17 1 | 0 42 | 7 21 | 1 20 | 26 56 | 5 47 | 3 6 | 2 52 | 6 41 | 16 59 | 1 58 | S 10 |
| S 11 | 23 26 | 1 44 | 1 20 | 21 23 | 1 13 | 15 4 | 2 0 | 18 51 | 0 9 | 9 49 | 1 14 | 11 34 | 2 26 | 17 0 | 0 42 | 7 21 | 1 20 | 26 56 | 5 47 | 3 6 | 2 50 | 6 42 | 17 0 | 1 58 | S 11 |
| M12 | 23 29 | 2s 3 | 0 18 | 21 6 | 1 28 | 15 25 | 1 59 | 19 2 | 0 8 | 9 49 | 1 14 | 11 34 | 2 26 | 17 0 | 0 42 | 7 21 | 1 20 | 26 56 | 5 47 | 3 6 | 2 49 | 6 44 | 17 1 | 1 58 | M12 |
| T 13 | 23 31 | 5 44 | 0n45 | 20 50 | 1 43 | 15 45 | 1 57 | 19 13 | 0 7 | 9 48 | 1 15 | 11 33 | 2 26 | 16 59 | 0 42 | 7 20 | 1 20 | 26 56 | 5 47 | 3 6 | 2 48 | 6 46 | 17 2 | 1 58 | T 13 |
| W14 | 23 32 | 9 12 | 1 46 | 20 34 | 1 58 | 16 5 | 1 56 | 19 23 | 0 7 | 9 48 | 1 15 | 11 33 | 2 25 | 16 58 | 0 42 | 7 20 | 1 20 | 26 55 | 5 47 | 3 5 | 2 47 | 6 48 | 17 2 | 1 58 | W14 |
| T 15 | 23 33 | 12 20 | 2 42 | 20 18 | 2 14 | 16 25 | 1 54 | 19 34 | 0 6 | 9 48 | 1 15 | 11 32 | 2 25 | 16 57 | 0 42 | 7 20 | 1 20 | 26 55 | 5 47 | 3 4 | 2 45 | 6 49 | 17 3 | 1 58 | T 15 |
| F 16 | 23 34 | 14 58 | 3 32 | 20 3 | 2 29 | 16 45 | 1 52 | 19 44 | 0 5 | 9 47 | 1 16 | 11 32 | 2 25 | 16 56 | 0 42 | 7 19 | 1 20 | 26 55 | 5 47 | 3 1 | 2 44 | 6 51 | 17 4 | 1 59 | F 16 |
| S 17 | 23 34 | 16 59 | 4 13 | 19 48 | 2 45 | 17 4 | 1 51 | 19 54 | 0 4 | 9 47 | 1 16 | 11 32 | 2 25 | 16 55 | 0 42 | 7 19 | 1 20 | 26 54 | 5 47 | 2 58 | 2 43 | 6 53 | 17 5 | 1 59 | S 17 |
| S 18 | 23 34 | 18 14 | 4 42 | 19 35 | 3 0 | 17 23 | 1 49 | 20 3 | 0 4 | 9 47 | 1 16 | 11 31 | 2 24 | 16 54 | 0 42 | 7 19 | 1 20 | 26 54 | 5 47 | 2 53 | 2 42 | 6 54 | 17 6 | 1 59 | S 18 |
| M19 | 23 34 | 18 36 | 4 58 | 19 22 | 3 14 | 17 42 | 1 47 | 20 13 | 0 3 | 9 47 | 1 16 | 11 31 | 2 24 | 16 54 | 0 42 | 7 18 | 1 20 | 26 54 | 5 47 | 2 49 | 2 40 | 6 56 | 17 6 | 1 59 | M19 |
| T 20 | 23 33 | 18 0 | 4 59 | 19 10 | 3 28 | 18 0 | 1 45 | 20 22 | 0 2 | 9 47 | 1 17 | 11 31 | 2 24 | 16 53 | 0 42 | 7 18 | 1 20 | 26 53 | 5 47 | 2 44 | 2 39 | 6 58 | 17 7 | 1 59 | T 20 |
| W21 | 23 31 | 16 25 | 4 44 | 19 0 | 3 42 | 18 17 | 1 43 | 20 31 | 0 2 | 9 47 | 1 17 | 11 30 | 2 24 | 16 52 | 0 41 | 7 17 | 1 20 | 26 53 | 5 47 | 2 39 | 2 38 | 7 0 | 17 8 | 1 59 | W21 |
| T 22 | 23 30 | 13 55 | 4 13 | 18 50 | 3 54 | 18 35 | 1 41 | 20 40 | 0 1 | 9 47 | 1 17 | 11 30 | 2 23 | 16 51 | 0 41 | 7 17 | 1 20 | 26 53 | 5 47 | 2 35 | 2 37 | 7 1 | 17 9 | 2 0 | T 22 |
| F 23 | 23 28 | 10 37 | 3 27 | 18 42 | 4 6 | 18 51 | 1 39 | 20 49 | 0 0 | 9 48 | 1 18 | 11 30 | 2 23 | 16 50 | 0 41 | 7 17 | 1 20 | 26 53 | 5 47 | 2 32 | 2 35 | 7 3 | 17 9 | 2 0 | F 23 |
| S 24 | 23 25 | 6 43 | 2 28 | 18 35 | 4 17 | 19 8 | 1 37 | 20 58 | 0n 0 | 9 48 | 1 18 | 11 30 | 2 23 | 16 49 | 0 41 | 7 16 | 1 20 | 26 52 | 5 47 | 2 31 | 2 34 | 7 5 | 17 10 | 2 0 | S 24 |
| S 25 | 23 22 | 2 24 | 1 21 | 18 29 | 4 26 | 19 24 | 1 34 | 21 6 | 0 1 | 9 48 | 1 18 | 11 30 | 2 23 | 16 48 | 0 41 | 7 16 | 1 20 | 26 52 | 5 47 | 2 30 | 2 33 | 7 6 | 17 11 | 2 0 | S 25 |
| M26 | 23 19 | 2n 4 | 0 7 | 18 25 | 4 34 | 19 39 | 1 32 | 21 15 | 0 2 | 9 49 | 1 19 | 11 30 | 2 22 | 16 47 | 0 41 | 7 15 | 1 20 | 26 52 | 5 47 | 2 30 | 2 32 | 7 8 | 17 11 | 2 0 | M26 |
| T 27 | 23 15 | 6 27 | 1s 7 | 18 22 | 4 40 | 19 54 | 1 30 | 21 23 | 0 3 | 9 50 | 1 19 | 11 30 | 2 22 | 16 46 | 0 41 | 7 15 | 1 20 | 26 51 | 5 47 | 2 30 | 2 30 | 7 10 | 17 12 | 2 0 | T 27 |
| W28 | 23 11 | 10 30 | 2 18 | 18 21 | 4 45 | 20 8 | 1 27 | 21 31 | 0 3 | 9 50 | 1 19 | 11 30 | 2 22 | 16 45 | 0 41 | 7 14 | 1 20 | 26 51 | 5 47 | 2 29 | 2 29 | 7 11 | 17 13 | 2 1 | W28 |
| T 29 | 23 6 | 13 57 | 3 20 | 18 21 | 4 48 | 20 22 | 1 25 | 21 38 | 0 4 | 9 51 | 1 20 | 11 30 | 2 22 | 16 44 | 0 41 | 7 14 | 1 20 | 26 51 | 5 47 | 2 28 | 2 28 | 7 13 | 17 14 | 2 1 | T 29 |
| F 30 | 23n 1 | 16n33 | 4s 9 | 18n22 | 4s50 | 20n36 | 1s22 | 21n46 | 0n 5 | 9s52 | 1s20 | 11s30 | 2n21 | 16n43 | 0n41 | 7n13 | 1n20 | 26n50 | 5n47 | 2s26 | 2s26 | 7s15 | 17n14 | 2s 1 | F 30 |

Julian Day Number = 2069657.5, Delta T = 28m26s
Ecliptic obliquity = 23°34'19, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'07, Lahiri = 9°17'07 Julian Calendar 1 June 954 == Greg. Calendar 6 June 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## JULY 954 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 54 43 | 13♋ 3'55 | 15♊57 | 9°R22 | 10♊25 | 8♊12 | 7°R57 | 6°R22 | 16♌17 | 14♍53 | 25♋31 | 5°R56 | 6♎ 4 | 21♎55 | 25♉21 | S 1 |
| S 2 | 18 58 39 | 14° 1'12 | 0♋ 2 | 8♋45 | 11°36 | 8°53 | 7♓55 | 6♏21 | 16°20 | 14°54 | 25°33 | 5♎46 | 6° 0 | 22° 1 | 25°25 | S 2 |
| M 3 | 19 2 36 | 14°58'29 | 13°54 | 8°12 | 12°47 | 9°33 | 7°53 | 6°21 | 16°23 | 14°55 | 25°35 | 5°34 | 5°57 | 22° 8 | 25°28 | M 3 |
| T 4 | 19 6 32 | 15°55'48 | 27°29 | 7°42 | 13°58 | 10°14 | 7°51 | 6°21 | 16°27 | 14°57 | 25°37 | 5°22 | 5°54 | 22°15 | 25°31 | T 4 |
| W 5 | 19 10 29 | 16°53'06 | 10♌44 | 7°16 | 15°10 | 10°54 | 7°49 | 6°21 | 16°30 | 14°58 | 25°38 | 5°12 | 5°51 | 22°21 | 25°35 | W 5 |
| T 6 | 19 14 25 | 17°50'26 | 23°38 | 6°55 | 16°21 | 11°34 | 7°46 | 6°D21 | 16°33 | 14°59 | 25°40 | 5° 4 | 5°48 | 22°28 | 25°38 | T 6 |
| F 7 | 19 18 22 | 18°47'46 | 6♍12 | 6°38 | 17°33 | 12°15 | 7°44 | 6°21 | 16°37 | 15° 1 | 25°42 | 4°58 | 5°45 | 22°35 | 25°41 | F 7 |
| S 8 | 19 22 18 | 19°45'07 | 18°28 | 6°27 | 18°44 | 12°55 | 7°41 | 6°21 | 16°40 | 15° 2 | 25°44 | 4°55 | 5°41 | 22°41 | 25°44 | S 8 |
| S 9 | 19 26 15 | 20°42'28 | 0♎30 | 6°D22 | 19°56 | 13°35 | 7°38 | 6°21 | 16°44 | 15° 4 | 25°45 | 4°D54 | 5°38 | 22°48 | 25°47 | S 9 |
| M10 | 19 30 12 | 21°39'50 | 12°23 | 6°23 | 21° 7 | 14°15 | 7°35 | 6°22 | 16°47 | 15° 5 | 25°47 | 4°54 | 5°35 | 22°55 | 25°50 | M10 |
| T 11 | 19 34 8 | 22°37'12 | 24°12 | 6°30 | 22°19 | 14°55 | 7°31 | 6°22 | 16°50 | 15° 7 | 25°49 | 4°R54 | 5°32 | 23° 1 | 25°53 | T 11 |
| W12 | 19 38 5 | 23°34'36 | 6♏ 2 | 6°43 | 23°31 | 15°35 | 7°28 | 6°23 | 16°54 | 15° 8 | 25°51 | 4°53 | 5°29 | 23° 8 | 25°56 | W12 |
| T 13 | 19 42 1 | 24°32'00 | 17°59 | 7° 3 | 24°42 | 16°15 | 7°24 | 6°23 | 16°57 | 15°10 | 25°52 | 4°51 | 5°26 | 23°15 | 25°59 | T 13 |
| F 14 | 19 45 58 | 25°29'24 | 0♐ 8 | 7°29 | 25°54 | 16°55 | 7°20 | 6°24 | 17° 1 | 15°11 | 25°54 | 4°46 | 5°22 | 23°21 | 26° 2 | F 14 |
| S 15 | 19 49 54 | 26°26'50 | 12°32 | 8° 1 | 27° 6 | 17°35 | 7°16 | 6°25 | 17° 5 | 15°13 | 25°56 | 4°39 | 5°19 | 23°28 | 26° 5 | S 15 |
| S 16 | 19 53 51 | 27°24'16 | 25°14 | 8°40 | 28°18 | 18°14 | 7°11 | 6°26 | 17° 8 | 15°14 | 25°58 | 4°30 | 5°16 | 23°35 | 26° 7 | S 16 |
| M17 | 19 57 47 | 28°21'44 | 8♑17 | 9°26 | 29°30 | 18°54 | 7° 7 | 6°27 | 17°12 | 15°16 | 26° 0 | 4°19 | 5°13 | 23°41 | 26°10 | M17 |
| T 18 | 20 1 44 | 29°19'12 | 21°38 | 10°17 | 0♋42 | 19°33 | 7° 2 | 6°28 | 17°15 | 15°18 | 26° 1 | 4° 9 | 5°10 | 23°48 | 26°13 | T 18 |
| W19 | 20 5 41 | 0♌16'41 | 5♒17 | 11°15 | 1°54 | 20°13 | 6°58 | 6°29 | 17°19 | 15°19 | 26° 3 | 3°59 | 5° 6 | 23°54 | 26°15 | W19 |
| T 20 | 20 9 37 | 1°14'12 | 19°11 | 12°19 | 3° 7 | 20°52 | 6°53 | 6°30 | 17°23 | 15°21 | 26° 5 | 3°50 | 5° 3 | 24° 1 | 26°18 | T 20 |
| F 21 | 20 13 34 | 2°11'44 | 3♓15 | 13°29 | 4°19 | 21°32 | 6°47 | 6°32 | 17°26 | 15°23 | 26° 7 | 3°45 | 5° 0 | 24° 8 | 26°20 | F 21 |
| S 22 | 20 17 30 | 3° 9'17 | 17°25 | 14°44 | 5°31 | 22°11 | 6°42 | 6°33 | 17°30 | 15°24 | 26° 8 | 3°41 | 4°57 | 24°14 | 26°23 | S 22 |
| S 23 | 20 21 27 | 4° 6'51 | 1♈38 | 16° 5 | 6°43 | 22°50 | 6°37 | 6°35 | 17°34 | 15°26 | 26°10 | 3°D40 | 4°54 | 24°21 | 26°25 | S 23 |
| M24 | 20 25 23 | 5° 4'28 | 15°51 | 17°31 | 7°56 | 23°30 | 6°31 | 6°37 | 17°37 | 15°28 | 26°12 | 3°41 | 4°51 | 24°28 | 26°28 | M24 |
| T 25 | 20 29 20 | 6° 2'05 | 0♉ 1 | 19° 1 | 9° 8 | 24° 9 | 6°25 | 6°38 | 17°41 | 15°30 | 26°14 | 3°R41 | 4°47 | 24°34 | 26°30 | T 25 |
| W26 | 20 33 16 | 6°59'45 | 14° 9 | 20°37 | 10°21 | 24°48 | 6°20 | 6°40 | 17°45 | 15°32 | 26°15 | 3°41 | 4°44 | 24°41 | 26°32 | W26 |
| T 27 | 20 37 13 | 7°57'26 | 28°12 | 22°16 | 11°33 | 25°27 | 6°14 | 6°42 | 17°48 | 15°33 | 26°17 | 3°40 | 4°41 | 24°48 | 26°34 | T 27 |
| F 28 | 20 41 10 | 8°55'09 | 12♊ 8 | 24° 0 | 12°46 | 26° 6 | 6° 7 | 6°44 | 17°52 | 15°35 | 26°19 | 3°36 | 4°38 | 24°54 | 26°36 | F 28 |
| S 29 | 20 45 6 | 9°52'53 | 25°57 | 25°46 | 13°59 | 26°45 | 6° 1 | 6°46 | 17°56 | 15°37 | 26°21 | 3°30 | 4°35 | 25° 1 | 26°38 | S 29 |
| S 30 | 20 49 3 | 10°50'39 | 9♋36 | 27°36 | 15°12 | 27°24 | 5°55 | 6°49 | 17°59 | 15°39 | 26°22 | 3°22 | 4°32 | 25° 8 | 26°40 | S 30 |
| M31 | 20 52 59 | 11♌48'27 | 23♋ 3 | 29♋28 | 16♋24 | 28♊ 2 | 5♓48 | 6♏51 | 18♌ 3 | 15♍41 | 26♋24 | 3♎13 | 4♎28 | 25♎14 | 26♉42 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n56 | 18n 8 | 4s43 | 18n25 | 4s50 | 20n49 | 1s20 | 21n53 | 0n 5 | 9s52 | 1s20 | 11s30 | 2n21 | 16n42 | 0n41 | 7n13 | 1n20 | 26n50 | 5n47 | 2s22 | 2s25 | 7s17 | 17n15 | 2s 1 |
| S 2 | 22 50 | 18 35 | 5 0 | 18 30 | 4 48 | 21 1 | 1 17 | 22 0 | 0 6 | 9 53 | 1 21 | 11 30 | 2 21 | 16 41 | 0 41 | 7 12 | 1 20 | 26 50 | 5 47 | 2 18 | 2 24 | 7 18 | 17 15 | 2 1 |
| M 3 | 22 44 | 17 54 | 4 58 | 18 35 | 4 44 | 21 13 | 1 15 | 22 7 | 0 7 | 9 54 | 1 21 | 11 30 | 2 21 | 16 40 | 0 41 | 7 12 | 1 20 | 26 50 | 5 47 | 2 13 | 2 23 | 7 20 | 17 16 | 2 2 |
| T 4 | 22 37 | 16 13 | 4 39 | 18 42 | 4 39 | 21 25 | 1 12 | 22 14 | 0 7 | 9 55 | 1 21 | 11 30 | 2 20 | 16 39 | 0 41 | 7 11 | 1 20 | 26 49 | 5 47 | 2 9 | 2 21 | 7 22 | 17 17 | 2 2 |
| W 5 | 22 30 | 13 42 | 4 6 | 18 50 | 4 33 | 21 35 | 1 10 | 22 20 | 0 8 | 9 57 | 1 21 | 11 30 | 2 20 | 16 38 | 0 41 | 7 11 | 1 20 | 26 49 | 5 47 | 2 5 | 2 20 | 7 23 | 17 17 | 2 2 |
| T 6 | 22 23 | 10 34 | 3 20 | 18 59 | 4 25 | 21 45 | 1 7 | 22 27 | 0 9 | 9 58 | 1 22 | 11 31 | 2 20 | 16 37 | 0 41 | 7 10 | 1 20 | 26 49 | 5 47 | 2 1 | 2 19 | 7 25 | 17 18 | 2 2 |
| F 7 | 22 15 | 7 1 | 2 26 | 19 9 | 4 15 | 21 55 | 1 4 | 22 33 | 0 10 | 9 59 | 1 22 | 11 31 | 2 20 | 16 36 | 0 41 | 7 9 | 1 20 | 26 48 | 5 47 | 1 59 | 2 18 | 7 27 | 17 18 | 2 2 |
| S 8 | 22 7 | 3 16 | 1 26 | 19 20 | 4 5 | 22 4 | 1 2 | 22 39 | 0 10 | 10 0 | 1 22 | 11 31 | 2 19 | 16 35 | 0 41 | 7 9 | 1 20 | 26 48 | 5 47 | 1 58 | 2 16 | 7 28 | 17 19 | 2 3 |
| S 9 | 21 58 | 0s33 | 0 23 | 19 32 | 3 53 | 22 13 | 0 59 | 22 44 | 0 11 | 10 2 | 1 23 | 11 32 | 2 19 | 16 34 | 0 41 | 7 8 | 1 19 | 26 48 | 5 47 | 1 57 | 2 15 | 7 30 | 17 19 | 2 3 |
| M10 | 21 49 | 4 19 | 0n40 | 19 45 | 3 40 | 22 20 | 0 56 | 22 50 | 0 12 | 10 3 | 1 23 | 11 32 | 2 19 | 16 33 | 0 41 | 7 8 | 1 19 | 26 48 | 5 48 | 1 57 | 2 14 | 7 32 | 17 20 | 2 3 |
| T 11 | 21 40 | 7 52 | 1 41 | 19 58 | 3 27 | 22 28 | 0 53 | 22 55 | 0 13 | 10 5 | 1 23 | 11 32 | 2 18 | 16 32 | 0 41 | 7 7 | 1 19 | 26 47 | 5 48 | 1 58 | 2 13 | 7 34 | 17 20 | 2 3 |
| W12 | 21 30 | 11 8 | 2 38 | 20 11 | 3 13 | 22 34 | 0 50 | 23 0 | 0 13 | 10 7 | 1 24 | 11 33 | 2 18 | 16 31 | 0 41 | 7 6 | 1 19 | 26 47 | 5 48 | 1 57 | 2 11 | 7 35 | 17 21 | 2 3 |
| T 13 | 21 20 | 13 57 | 3 28 | 20 25 | 2 58 | 22 40 | 0 48 | 23 5 | 0 14 | 10 8 | 1 24 | 11 33 | 2 18 | 16 30 | 0 41 | 7 6 | 1 19 | 26 47 | 5 48 | 1 56 | 2 10 | 7 37 | 17 21 | 2 4 |
| F 14 | 21 10 | 16 13 | 4 10 | 20 39 | 2 43 | 22 46 | 0 45 | 23 10 | 0 15 | 10 10 | 1 24 | 11 34 | 2 18 | 16 28 | 0 41 | 7 5 | 1 19 | 26 46 | 5 48 | 1 54 | 2 9 | 7 39 | 17 22 | 2 4 |
| S 15 | 20 59 | 17 46 | 4 41 | 20 52 | 2 27 | 22 50 | 0 42 | 23 15 | 0 15 | 10 12 | 1 24 | 11 34 | 2 17 | 16 27 | 0 41 | 7 5 | 1 19 | 26 46 | 5 48 | 1 52 | 2 7 | 7 40 | 17 22 | 2 4 |
| S 16 | 20 48 | 18 30 | 4 59 | 21 6 | 2 12 | 22 55 | 0 39 | 23 19 | 0 16 | 10 14 | 1 25 | 11 35 | 2 17 | 16 26 | 0 41 | 7 4 | 1 19 | 26 46 | 5 48 | 1 48 | 2 6 | 7 42 | 17 23 | 2 4 |
| M17 | 20 36 | 18 17 | 5 3 | 21 18 | 1 56 | 22 58 | 0 36 | 23 23 | 0 17 | 10 16 | 1 25 | 11 35 | 2 17 | 16 25 | 0 41 | 7 3 | 1 19 | 26 46 | 5 48 | 1 44 | 2 5 | 7 44 | 17 23 | 2 4 |
| T 18 | 20 24 | 17 3 | 4 49 | 21 30 | 1 40 | 23 1 | 0 33 | 23 27 | 0 18 | 10 18 | 1 25 | 11 36 | 2 17 | 16 24 | 0 41 | 7 3 | 1 19 | 26 45 | 5 48 | 1 39 | 2 4 | 7 45 | 17 24 | 2 5 |
| W19 | 20 12 | 14 51 | 4 20 | 21 41 | 1 24 | 23 3 | 0 31 | 23 31 | 0 18 | 10 20 | 1 25 | 11 37 | 2 16 | 16 23 | 0 41 | 7 2 | 1 19 | 26 45 | 5 48 | 1 35 | 2 2 | 7 47 | 17 24 | 2 5 |
| T 20 | 20 0 | 11 46 | 3 34 | 21 51 | 1 9 | 23 4 | 0 28 | 23 34 | 0 19 | 10 22 | 1 26 | 11 37 | 2 16 | 16 22 | 0 41 | 7 1 | 1 19 | 26 45 | 5 48 | 1 32 | 2 1 | 7 49 | 17 24 | 2 5 |
| F 21 | 19 47 | 7 58 | 2 35 | 22 0 | 0 54 | 23 5 | 0 25 | 23 38 | 0 20 | 10 24 | 1 26 | 11 38 | 2 16 | 16 21 | 0 41 | 7 1 | 1 19 | 26 45 | 5 48 | 1 30 | 2 0 | 7 50 | 17 25 | 2 5 |
| S 22 | 19 34 | 3 41 | 1 26 | 22 7 | 0 39 | 23 5 | 0 22 | 23 41 | 0 21 | 10 26 | 1 26 | 11 39 | 2 16 | 16 20 | 0 41 | 7 0 | 1 19 | 26 44 | 5 48 | 1 28 | 1 59 | 7 52 | 17 25 | 2 5 |
| S 23 | 19 20 | 0n49 | 0 11 | 22 12 | 0 24 | 23 5 | 0 19 | 23 44 | 0 21 | 10 28 | 1 26 | 11 40 | 2 15 | 16 18 | 0 41 | 6 59 | 1 19 | 26 44 | 5 49 | 1 28 | 1 57 | 7 54 | 17 25 | 2 6 |
| M24 | 19 6 | 5 16 | 1s 5 | 22 15 | 0 10 | 23 4 | 0 16 | 23 47 | 0 22 | 10 31 | 1 27 | 11 40 | 2 15 | 16 17 | 0 41 | 6 58 | 1 19 | 26 44 | 5 49 | 1 28 | 1 56 | 7 55 | 17 26 | 2 6 |
| T 25 | 18 52 | 9 25 | 2 16 | 22 16 | 0n 3 | 23 2 | 0 13 | 23 49 | 0 23 | 10 33 | 1 27 | 11 41 | 2 15 | 16 16 | 0 41 | 6 58 | 1 19 | 26 43 | 5 49 | 1 28 | 1 55 | 7 57 | 17 26 | 2 6 |
| W26 | 18 38 | 13 0 | 3 19 | 22 14 | 0 16 | 22 59 | 0 11 | 23 52 | 0 24 | 10 35 | 1 27 | 11 42 | 2 14 | 16 15 | 0 41 | 6 57 | 1 19 | 26 43 | 5 49 | 1 28 | 1 54 | 7 59 | 17 26 | 2 6 |
| T 27 | 18 23 | 15 48 | 4 10 | 22 11 | 0 28 | 22 56 | 0 8 | 23 54 | 0 24 | 10 38 | 1 27 | 11 43 | 2 14 | 16 14 | 0 41 | 6 56 | 1 19 | 26 43 | 5 49 | 1 28 | 1 52 | 8 0 | 17 27 | 2 7 |
| F 28 | 18 8 | 17 39 | 4 45 | 22 4 | 0 39 | 22 52 | 0 5 | 23 56 | 0 25 | 10 40 | 1 28 | 11 44 | 2 14 | 16 13 | 0 41 | 6 56 | 1 19 | 26 43 | 5 49 | 1 26 | 1 51 | 8 2 | 17 27 | 2 7 |
| S 29 | 17 52 | 18 27 | 5 4 | 21 55 | 0 49 | 22 48 | 0 2 | 23 58 | 0 26 | 10 43 | 1 28 | 11 45 | 2 14 | 16 12 | 0 41 | 6 55 | 1 19 | 26 43 | 5 49 | 1 24 | 1 50 | 8 4 | 17 27 | 2 7 |
| S 30 | 17 37 | 18 10 | 5 5 | 21 43 | 0 59 | 22 43 | 0n 1 | 23 59 | 0 27 | 10 45 | 1 28 | 11 46 | 2 13 | 16 10 | 0 41 | 6 54 | 1 19 | 26 42 | 5 49 | 1 21 | 1 48 | 8 5 | 17 27 | 2 7 |
| M31 | 17n21 | 16n51 | 4s48 | 21n29 | 1n 8 | 22n37 | 0n 3 | 24n 1 | 0n27 | 10s48 | 1s28 | 11s47 | 2n13 | 16n 9 | 0n41 | 6n53 | 1n19 | 26n42 | 5n49 | 1s17 | 1s47 | 8s 7 | 17n28 | 2s 7 |

Julian Day Number = 2069687.5, Delta T = 28m25s
Ecliptic obliquity = 23°34'19, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'11, Lahiri = 9°17'12 Julian Calendar 1 July 954 == Greg. Calendar 6 July 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## AUGUST 954 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 56 56 | 12♌46'16 | 6♌16 | 1♌22 | 17♋37 | 28♊41 | 5°R41 | 6♏53 | 18♌ 7 | 15♍43 | 26♋26 | 3°R 4 | 4♎25 | 25♎21 | 26♉44 | T 1 |
| W 2 | 21 0 52 | 13°44'07 | 19°12 | 3°18 | 18°50 | 29°20 | 5♓35 | 6°56 | 18°11 | 15°45 | 26°27 | 2♎57 | 4°22 | 25°28 | 26°46 | W 2 |
| T 3 | 21 4 49 | 14°41'59 | 1♍53 | 5°16 | 20° 3 | 29°58 | 5°28 | 6°59 | 18°14 | 15°47 | 26°29 | 2°51 | 4°19 | 25°34 | 26°48 | T 3 |
| F 4 | 21 8 45 | 15°39'52 | 14°18 | 7°14 | 21°16 | 0♋37 | 5°21 | 7° 1 | 18°18 | 15°49 | 26°31 | 2°47 | 4°16 | 25°41 | 26°49 | F 4 |
| S 5 | 21 12 42 | 16°37'47 | 26°28 | 9°13 | 22°29 | 1°15 | 5°14 | 7° 4 | 18°22 | 15°51 | 26°32 | 2°45 | 4°12 | 25°48 | 26°51 | S 5 |
| S 6 | 21 16 39 | 17°35'44 | 8♎27 | 11°12 | 23°42 | 1°53 | 5° 7 | 7° 7 | 18°26 | 15°53 | 26°34 | 2°D45 | 4° 9 | 25°54 | 26°53 | S 6 |
| M 7 | 21 20 35 | 18°33'42 | 20°19 | 13°11 | 24°56 | 2°32 | 4°59 | 7°10 | 18°29 | 15°55 | 26°36 | 2°46 | 4° 6 | 26° 1 | 26°54 | M 7 |
| T 8 | 21 24 32 | 19°31'41 | 2♏ 7 | 15°10 | 26° 9 | 3°10 | 4°52 | 7°13 | 18°33 | 15°57 | 26°37 | 2°48 | 4° 3 | 26° 8 | 26°55 | T 8 |
| W 9 | 21 28 28 | 20°29'42 | 13°57 | 17° 9 | 27°22 | 3°48 | 4°44 | 7°16 | 18°37 | 15°59 | 26°39 | 2°49 | 4° 0 | 26°14 | 26°57 | W 9 |
| T 10 | 21 32 25 | 21°27'44 | 25°54 | 19° 7 | 28°35 | 4°26 | 4°37 | 7°19 | 18°41 | 16° 1 | 26°41 | 2°R49 | 3°57 | 26°21 | 26°58 | T 10 |
| F 11 | 21 36 21 | 22°25'47 | 8♐ 3 | 21° 5 | 29°49 | 5° 4 | 4°29 | 7°23 | 18°44 | 16° 3 | 26°42 | 2°47 | 3°53 | 26°28 | 26°59 | F 11 |
| S 12 | 21 40 18 | 23°23'52 | 20°28 | 23° 1 | 1♌ 2 | 5°42 | 4°22 | 7°26 | 18°48 | 16° 5 | 26°44 | 2°44 | 3°50 | 26°34 | 27° 1 | S 12 |
| S 13 | 21 44 14 | 24°21'59 | 3♑14 | 24°57 | 2°16 | 6°20 | 4°14 | 7°30 | 18°52 | 16° 7 | 26°46 | 2°40 | 3°47 | 26°41 | 27° 2 | S 13 |
| M14 | 21 48 11 | 25°20'07 | 16°23 | 26°51 | 3°29 | 6°58 | 4° 6 | 7°33 | 18°56 | 16° 9 | 26°47 | 2°34 | 3°44 | 26°48 | 27° 3 | M14 |
| T 15 | 21 52 8 | 26°18'17 | 29°55 | 28°45 | 4°43 | 7°36 | 3°58 | 7°37 | 18°59 | 16°11 | 26°49 | 2°28 | 3°41 | 26°54 | 27° 4 | T 15 |
| W16 | 21 56 4 | 27°16'28 | 13♒50 | 0♍38 | 5°56 | 8°13 | 3°51 | 7°40 | 19° 3 | 16°14 | 26°50 | 2°23 | 3°38 | 27° 1 | 27° 5 | W16 |
| T 17 | 22 0 1 | 28°14'41 | 28° 4 | 2°29 | 7°10 | 8°51 | 3°43 | 7°44 | 19° 7 | 16°16 | 26°52 | 2°19 | 3°34 | 27° 7 | 27° 5 | T 17 |
| F 18 | 22 3 57 | 29°12'56 | 12♓32 | 4°19 | 8°24 | 9°28 | 3°35 | 7°48 | 19°10 | 16°18 | 26°53 | 2°16 | 3°31 | 27°14 | 27° 6 | F 18 |
| S 19 | 22 7 54 | 0♍11'12 | 27° 9 | 6° 9 | 9°37 | 10° 6 | 3°27 | 7°52 | 19°14 | 16°20 | 26°55 | 2°D14 | 3°28 | 27°21 | 27° 7 | S 19 |
| S 20 | 22 11 50 | 1° 9'31 | 11♈47 | 7°57 | 10°51 | 10°43 | 3°19 | 7°56 | 19°18 | 16°22 | 26°56 | 2°15 | 3°25 | 27°27 | 27° 8 | S 20 |
| M21 | 22 15 47 | 2° 7'51 | 26°21 | 9°43 | 12° 5 | 11°21 | 3°11 | 8° 0 | 19°22 | 16°24 | 26°58 | 2°16 | 3°22 | 27°34 | 27° 8 | M21 |
| T 22 | 22 19 43 | 3° 6'14 | 10♉46 | 11°29 | 13°19 | 11°58 | 3° 3 | 8° 4 | 19°25 | 16°27 | 26°59 | 2°17 | 3°18 | 27°41 | 27° 9 | T 22 |
| W23 | 22 23 40 | 4° 4'39 | 25° 1 | 13°14 | 14°33 | 12°35 | 2°55 | 8° 9 | 19°29 | 16°29 | 27° 1 | 2°18 | 3°15 | 27°47 | 27° 9 | W23 |
| T 24 | 22 27 37 | 5° 3'07 | 9♊ 1 | 14°57 | 15°47 | 13°12 | 2°47 | 8°13 | 19°33 | 16°31 | 27° 2 | 2°R18 | 3°12 | 27°54 | 27°10 | T 24 |
| F 25 | 22 31 33 | 6° 1'37 | 22°48 | 16°40 | 17° 1 | 13°49 | 2°39 | 8°17 | 19°36 | 16°33 | 27° 4 | 2°17 | 3° 9 | 28° 1 | 27°10 | F 25 |
| S 26 | 22 35 30 | 7° 0'08 | 6♋20 | 18°21 | 18°15 | 14°26 | 2°31 | 8°22 | 19°40 | 16°35 | 27° 5 | 2°15 | 3° 6 | 28° 7 | 27°10 | S 26 |
| S 27 | 22 39 26 | 7°58'43 | 19°38 | 20° 1 | 19°29 | 15° 3 | 2°23 | 8°27 | 19°43 | 16°38 | 27° 7 | 2°12 | 3° 3 | 28°14 | 27°10 | S 27 |
| M28 | 22 43 23 | 8°57'19 | 2♌41 | 21°41 | 20°43 | 15°40 | 2°15 | 8°31 | 19°47 | 16°40 | 27° 8 | 2° 9 | 2°59 | 28°21 | 27°10 | M28 |
| T 29 | 22 47 19 | 9°55'57 | 15°31 | 23°19 | 21°57 | 16°16 | 2° 7 | 8°36 | 19°51 | 16°42 | 27° 9 | 2° 5 | 2°56 | 28°27 | 27°R11 | T 29 |
| W30 | 22 51 16 | 10°54'38 | 28° 7 | 24°56 | 23°12 | 16°53 | 2° 0 | 8°41 | 19°54 | 16°44 | 27°11 | 2° 2 | 2°53 | 28°34 | 27°10 | W30 |
| T 31 | 22 55 12 | 11♍53'20 | 10♍31 | 26♍32 | 24♌26 | 17♋30 | 1♓52 | 8♏45 | 19♌58 | 16♍46 | 27♋12 | 2♎ 0 | 2♎50 | 28♎41 | 27♉10 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n 4 | 14n40 | 4s17 | 21n11 | 1n15 | 22n30 | 0n 6 | 24n 2 | 0n28 | 10s51 | 1s29 | 11s48 | 2n13 | 16n 8 | 0n41 | 6n52 | 1n19 | 26n42 | 5n49 | 1s14 | 1s46 | 8s 9 | 17n28 | 2s 8 |
| W 2 | 16 48 | 11 46 | 3 33 | 20 51 | 1 22 | 22 23 | 0 9 | 24 3 | 0 29 | 10 53 | 1 29 | 11 49 | 2 13 | 16 7 | 0 41 | 6 52 | 1 19 | 26 42 | 5 50 | 1 11 | 1 45 | 8 10 | 17 28 | 2 8 |
| T 3 | 16 31 | 8 23 | 2 39 | 20 29 | 1 28 | 22 15 | 0 12 | 24 4 | 0 30 | 10 56 | 1 29 | 11 50 | 2 12 | 16 6 | 0 41 | 6 51 | 1 19 | 26 41 | 5 50 | 1 8 | 1 43 | 8 12 | 17 28 | 2 8 |
| F 4 | 16 14 | 4 42 | 1 38 | 20 4 | 1 33 | 22 7 | 0 14 | 24 5 | 0 31 | 10 59 | 1 29 | 11 51 | 2 12 | 16 5 | 0 41 | 6 50 | 1 19 | 26 41 | 5 50 | 1 7 | 1 42 | 8 14 | 17 28 | 2 8 |
| S 5 | 15 56 | 0 54 | 0 34 | 19 37 | 1 38 | 21 58 | 0 17 | 24 5 | 0 31 | 11 2 | 1 29 | 11 52 | 2 12 | 16 4 | 0 41 | 6 49 | 1 19 | 26 41 | 5 50 | 1 6 | 1 41 | 8 15 | 17 28 | 2 9 |
| S 6 | 15 39 | 2s54 | 0n31 | 19 8 | 1 41 | 21 48 | 0 20 | 24 6 | 0 32 | 11 5 | 1 29 | 11 53 | 2 12 | 16 2 | 0 41 | 6 49 | 1 19 | 26 41 | 5 50 | 1 6 | 1 40 | 8 17 | 17 29 | 2 9 |
| M 7 | 15 21 | 6 32 | 1 34 | 18 36 | 1 44 | 21 38 | 0 22 | 24 6 | 0 33 | 11 7 | 1 30 | 11 55 | 2 11 | 16 1 | 0 41 | 6 48 | 1 19 | 26 41 | 5 50 | 1 6 | 1 38 | 8 19 | 17 29 | 2 9 |
| T 8 | 15 3 | 9 53 | 2 33 | 18 3 | 1 45 | 21 27 | 0 25 | 24 6 | 0 34 | 11 10 | 1 30 | 11 56 | 2 11 | 16 0 | 0 41 | 6 47 | 1 19 | 26 40 | 5 50 | 1 7 | 1 37 | 8 20 | 17 29 | 2 9 |
| W 9 | 14 44 | 12 51 | 3 25 | 17 28 | 1 46 | 21 15 | 0 27 | 24 5 | 0 34 | 11 13 | 1 30 | 11 57 | 2 11 | 15 59 | 0 41 | 6 46 | 1 19 | 26 40 | 5 50 | 1 7 | 1 36 | 8 22 | 17 29 | 2 10 |
| T 10 | 14 26 | 15 18 | 4 9 | 16 52 | 1 47 | 21 3 | 0 30 | 24 5 | 0 35 | 11 16 | 1 30 | 11 58 | 2 11 | 15 58 | 0 41 | 6 45 | 1 19 | 26 40 | 5 51 | 1 7 | 1 35 | 8 24 | 17 29 | 2 10 |
| F 11 | 14 7 | 17 7 | 4 43 | 16 14 | 1 47 | 20 50 | 0 32 | 24 4 | 0 36 | 11 19 | 1 30 | 12 0 | 2 10 | 15 57 | 0 41 | 6 45 | 1 19 | 26 40 | 5 51 | 1 7 | 1 33 | 8 25 | 17 29 | 2 10 |
| S 12 | 13 48 | 18 10 | 5 4 | 15 35 | 1 46 | 20 36 | 0 35 | 24 4 | 0 37 | 11 22 | 1 30 | 12 1 | 2 10 | 15 55 | 0 41 | 6 44 | 1 19 | 26 40 | 5 51 | 1 6 | 1 32 | 8 27 | 17 29 | 2 10 |
| S 13 | 13 28 | 18 21 | 5 11 | 14 55 | 1 44 | 20 22 | 0 37 | 24 3 | 0 38 | 11 25 | 1 31 | 12 2 | 2 10 | 15 54 | 0 41 | 6 43 | 1 19 | 26 39 | 5 51 | 1 4 | 1 31 | 8 28 | 17 29 | 2 11 |
| M14 | 13 9 | 17 34 | 5 2 | 14 14 | 1 42 | 20 7 | 0 39 | 24 2 | 0 38 | 11 28 | 1 31 | 12 4 | 2 10 | 15 53 | 0 41 | 6 42 | 1 19 | 26 39 | 5 51 | 1 2 | 1 29 | 8 30 | 17 29 | 2 11 |
| T 15 | 12 49 | 15 46 | 4 36 | 13 32 | 1 40 | 19 52 | 0 42 | 24 0 | 0 39 | 11 31 | 1 31 | 12 5 | 2 10 | 15 52 | 0 41 | 6 41 | 1 19 | 26 39 | 5 51 | 0 59 | 1 28 | 8 32 | 17 29 | 2 11 |
| W16 | 12 29 | 13 2 | 3 54 | 12 49 | 1 36 | 19 36 | 0 44 | 23 59 | 0 40 | 11 34 | 1 31 | 12 7 | 2 9 | 15 51 | 0 41 | 6 40 | 1 19 | 26 39 | 5 51 | 0 57 | 1 27 | 8 33 | 17 29 | 2 11 |
| T 17 | 12 9 | 9 27 | 2 56 | 12 5 | 1 33 | 19 20 | 0 46 | 23 57 | 0 41 | 11 37 | 1 31 | 12 8 | 2 9 | 15 50 | 0 41 | 6 40 | 1 19 | 26 39 | 5 52 | 0 55 | 1 26 | 8 35 | 17 29 | 2 12 |
| F 18 | 11 49 | 5 16 | 1 46 | 11 22 | 1 29 | 19 3 | 0 48 | 23 55 | 0 42 | 11 40 | 1 31 | 12 9 | 2 9 | 15 48 | 0 41 | 6 39 | 1 19 | 26 39 | 5 52 | 0 54 | 1 24 | 8 37 | 17 29 | 2 12 |
| S 19 | 11 28 | 0 43 | 0 28 | 10 37 | 1 25 | 18 45 | 0 50 | 23 53 | 0 42 | 11 43 | 1 31 | 12 11 | 2 9 | 15 47 | 0 41 | 6 38 | 1 19 | 26 38 | 5 52 | 0 54 | 1 23 | 8 38 | 17 29 | 2 12 |
| S 20 | 11 7 | 3n53 | 0s52 | 9 52 | 1 20 | 18 27 | 0 53 | 23 51 | 0 43 | 11 46 | 1 31 | 12 12 | 2 8 | 15 46 | 0 41 | 6 37 | 1 19 | 26 38 | 5 52 | 0 54 | 1 22 | 8 40 | 17 29 | 2 12 |
| M21 | 10 46 | 8 14 | 2 8 | 9 7 | 1 15 | 18 8 | 0 55 | 23 49 | 0 44 | 11 49 | 1 31 | 12 14 | 2 8 | 15 45 | 0 41 | 6 36 | 1 19 | 26 38 | 5 52 | 0 54 | 1 21 | 8 42 | 17 29 | 2 13 |
| T 22 | 10 25 | 12 2 | 3 16 | 8 22 | 1 10 | 17 49 | 0 56 | 23 46 | 0 45 | 11 52 | 1 31 | 12 16 | 2 8 | 15 44 | 0 41 | 6 35 | 1 19 | 26 38 | 5 52 | 0 55 | 1 19 | 8 43 | 17 29 | 2 13 |
| W23 | 10 4 | 15 4 | 4 10 | 7 37 | 1 4 | 17 29 | 0 58 | 23 44 | 0 46 | 11 55 | 1 32 | 12 17 | 2 8 | 15 43 | 0 41 | 6 34 | 1 19 | 26 38 | 5 53 | 0 55 | 1 18 | 8 45 | 17 28 | 2 13 |
| T 24 | 9 43 | 17 10 | 4 49 | 6 51 | 0 59 | 17 9 | 1 0 | 23 41 | 0 46 | 11 58 | 1 32 | 12 19 | 2 7 | 15 42 | 0 41 | 6 34 | 1 19 | 26 38 | 5 53 | 0 55 | 1 17 | 8 46 | 17 28 | 2 13 |
| F 25 | 9 21 | 18 13 | 5 10 | 6 6 | 0 53 | 16 49 | 1 2 | 23 38 | 0 47 | 12 1 | 1 32 | 12 20 | 2 7 | 15 40 | 0 41 | 6 33 | 1 19 | 26 38 | 5 53 | 0 55 | 1 16 | 8 48 | 17 28 | 2 14 |
| S 26 | 8 59 | 18 12 | 5 14 | 5 20 | 0 46 | 16 27 | 1 4 | 23 35 | 0 48 | 12 4 | 1 32 | 12 22 | 2 7 | 15 39 | 0 41 | 6 32 | 1 19 | 26 37 | 5 53 | 0 54 | 1 14 | 8 50 | 17 28 | 2 14 |
| S 27 | 8 37 | 17 11 | 5 0 | 4 35 | 0 40 | 16 6 | 1 6 | 23 32 | 0 49 | 12 6 | 1 32 | 12 24 | 2 7 | 15 38 | 0 41 | 6 31 | 1 19 | 26 37 | 5 53 | 0 53 | 1 13 | 8 51 | 17 28 | 2 14 |
| M28 | 8 15 | 15 16 | 4 31 | 3 50 | 0 33 | 15 44 | 1 7 | 23 28 | 0 50 | 12 9 | 1 32 | 12 25 | 2 7 | 15 37 | 0 41 | 6 30 | 1 19 | 26 37 | 5 53 | 0 51 | 1 12 | 8 53 | 17 27 | 2 14 |
| T 29 | 7 53 | 12 38 | 3 49 | 3 4 | 0 26 | 15 21 | 1 9 | 23 25 | 0 50 | 12 12 | 1 32 | 12 27 | 2 6 | 15 36 | 0 41 | 6 29 | 1 19 | 26 37 | 5 54 | 0 50 | 1 10 | 8 55 | 17 27 | 2 15 |
| W30 | 7 31 | 9 26 | 2 56 | 2 19 | 0 20 | 14 58 | 1 10 | 23 21 | 0 51 | 12 15 | 1 32 | 12 29 | 2 6 | 15 35 | 0 41 | 6 28 | 1 19 | 26 37 | 5 54 | 0 49 | 1 9 | 8 56 | 17 27 | 2 15 |
| T 31 | 7n 8 | 5n53 | 1s56 | 1n35 | 0n13 | 14n35 | 1n12 | 23n17 | 0n52 | 12s18 | 1s32 | 12s31 | 2n 6 | 15n34 | 0n41 | 6n28 | 1n19 | 26n37 | 5n54 | 0s48 | 1s 8 | 8s58 | 17n27 | 2s15 |

Julian Day Number = 2069718.5, Delta T = 28m25s
Ecliptic obliquity = 23°34'19, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'15, Lahiri = 9°17'16 Julian Calendar 1 Aug. 954 == Greg. Calendar 6 Aug. 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## SEPTEMBER 954 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 22 59 9 | 12♍52'04 | 22♍44 | 28♍ 7 | 25♌40 | 18♋ 6 | 1°R44 | 8♏50 | 20♌ 1 | 16♍49 | 27♋13 | 1°R59 | 2♎47 | 28♎47 | 27°R10 | F 1 |
| S 2 | 23 3 5 | 13°50'51 | 4♎46 | 29°42 | 26°54 | 18°42 | 1♓36 | 8°55 | 20° 5 | 16°51 | 27°15 | 1°D58 | 2°43 | 28°54 | 27♉10 | S 2 |
| S 3 | 23 7 2 | 14°49'39 | 16°40 | 1♎15 | 28° 9 | 19°19 | 1°29 | 9° 0 | 20° 8 | 16°53 | 27°16 | 1♎59 | 2°40 | 29° 1 | 27°10 | S 3 |
| M 4 | 23 10 59 | 15°48'30 | 28°30 | 2°47 | 29°23 | 19°55 | 1°21 | 9° 5 | 20°12 | 16°55 | 27°17 | 2° 0 | 2°37 | 29° 7 | 27° 9 | M 4 |
| T 5 | 23 14 55 | 16°47'22 | 10♏17 | 4°19 | 0♍38 | 20°31 | 1°14 | 9°11 | 20°15 | 16°58 | 27°19 | 2° 1 | 2°34 | 29°14 | 27° 9 | T 5 |
| W 6 | 23 18 52 | 17°46'16 | 22° 7 | 5°49 | 1°52 | 21° 7 | 1° 7 | 9°16 | 20°19 | 17° 0 | 27°20 | 2° 3 | 2°31 | 29°21 | 27° 8 | W 6 |
| T 7 | 23 22 48 | 18°45'12 | 4♐ 3 | 7°19 | 3° 7 | 21°43 | 0°59 | 9°21 | 20°22 | 17° 2 | 27°21 | 2° 4 | 2°28 | 29°27 | 27° 8 | T 7 |
| F 8 | 23 26 45 | 19°44'09 | 16°10 | 8°47 | 4°21 | 22°19 | 0°52 | 9°27 | 20°25 | 17° 4 | 27°22 | 2°R 4 | 2°24 | 29°34 | 27° 7 | F 8 |
| S 9 | 23 30 41 | 20°43'09 | 28°32 | 10°15 | 5°36 | 22°55 | 0°45 | 9°32 | 20°29 | 17° 7 | 27°23 | 2° 4 | 2°21 | 29°41 | 27° 7 | S 9 |
| S 10 | 23 34 38 | 21°42'10 | 11♑15 | 11°41 | 6°50 | 23°31 | 0°38 | 9°37 | 20°32 | 17° 9 | 27°25 | 2° 4 | 2°18 | 29°47 | 27° 6 | S 10 |
| M11 | 23 38 34 | 22°41'13 | 24°21 | 13° 7 | 8° 5 | 24° 6 | 0°31 | 9°43 | 20°36 | 17°11 | 27°26 | 2° 3 | 2°15 | 29°54 | 27° 5 | M11 |
| T 12 | 23 42 31 | 23°40'18 | 7♒53 | 14°31 | 9°20 | 24°42 | 0°25 | 9°49 | 20°39 | 17°13 | 27°27 | 2° 2 | 2°12 | 0♏ 1 | 27° 4 | T 12 |
| W13 | 23 46 28 | 24°39'25 | 21°52 | 15°55 | 10°34 | 25°17 | 0°18 | 9°54 | 20°42 | 17°15 | 27°28 | 2° 1 | 2° 9 | 0° 7 | 27° 3 | W13 |
| T 14 | 23 50 24 | 25°38'34 | 6♓15 | 17°18 | 11°49 | 25°52 | 0°12 | 10° 0 | 20°45 | 17°18 | 27°29 | 2° 0 | 2° 5 | 0°14 | 27° 2 | T 14 |
| F 15 | 23 54 21 | 26°37'44 | 20°58 | 18°39 | 13° 4 | 26°28 | 0° 5 | 10° 6 | 20°49 | 17°20 | 27°30 | 2° 0 | 2° 2 | 0°21 | 27° 1 | F 15 |
| S 16 | 23 58 17 | 27°36'57 | 5♈54 | 19°59 | 14°19 | 27° 3 | 29♒59 | 10°11 | 20°52 | 17°22 | 27°31 | 1°D59 | 1°59 | 0°27 | 27° 0 | S 16 |
| S 17 | 0 2 14 | 28°36'12 | 20°56 | 21°18 | 15°34 | 27°38 | 29°53 | 10°17 | 20°55 | 17°24 | 27°32 | 2° 0 | 1°56 | 0°34 | 26°59 | S 17 |
| M18 | 0 6 10 | 29°35'29 | 5♉55 | 22°36 | 16°48 | 28°13 | 29°47 | 10°23 | 20°58 | 17°26 | 27°33 | 2° 0 | 1°53 | 0°41 | 26°57 | M18 |
| T 19 | 0 10 7 | 0♎34'48 | 20°42 | 23°53 | 18° 3 | 28°48 | 29°41 | 10°29 | 21° 1 | 17°29 | 27°34 | 2° 0 | 1°49 | 0°47 | 26°56 | T 19 |
| W20 | 0 14 3 | 1°34'10 | 5♊13 | 25° 8 | 19°18 | 29°23 | 29°36 | 10°35 | 21° 4 | 17°31 | 27°35 | 2° 0 | 1°46 | 0°54 | 26°54 | W20 |
| T 21 | 0 18 0 | 2°33'34 | 19°23 | 26°21 | 20°33 | 29°57 | 29°30 | 10°41 | 21° 7 | 17°33 | 27°36 | 2°R 0 | 1°43 | 1° 1 | 26°53 | T 21 |
| F 22 | 0 21 57 | 3°33'01 | 3♋11 | 27°33 | 21°48 | 0♌32 | 29°25 | 10°47 | 21°10 | 17°35 | 27°37 | 2°D 0 | 1°40 | 1° 7 | 26°51 | F 22 |
| S 23 | 0 25 53 | 4°32'30 | 16°37 | 28°44 | 23° 3 | 1° 6 | 29°19 | 10°53 | 21°13 | 17°37 | 27°38 | 2° 0 | 1°37 | 1°14 | 26°50 | S 23 |
| S 24 | 0 29 50 | 5°32'01 | 29°43 | 29°52 | 24°18 | 1°41 | 29°14 | 11° 0 | 21°16 | 17°39 | 27°38 | 2° 0 | 1°34 | 1°21 | 26°48 | S 24 |
| M25 | 0 33 46 | 6°31'35 | 12♌30 | 0♏58 | 25°33 | 2°15 | 29°10 | 11° 6 | 21°19 | 17°42 | 27°39 | 2° 1 | 1°30 | 1°27 | 26°46 | M25 |
| T 26 | 0 37 43 | 7°31'10 | 25° 2 | 2° 2 | 26°48 | 2°49 | 29° 5 | 11°12 | 21°22 | 17°44 | 27°40 | 2° 1 | 1°27 | 1°34 | 26°45 | T 26 |
| W27 | 0 41 39 | 8°30'48 | 7♍21 | 3° 4 | 28° 3 | 3°23 | 29° 0 | 11°19 | 21°25 | 17°46 | 27°41 | 2° 2 | 1°24 | 1°41 | 26°43 | W27 |
| T 28 | 0 45 36 | 9°30'29 | 19°30 | 4° 3 | 29°19 | 3°57 | 28°56 | 11°25 | 21°28 | 17°48 | 27°41 | 2° 2 | 1°21 | 1°47 | 26°41 | T 28 |
| F 29 | 0 49 32 | 10°30'11 | 1♎30 | 4°59 | 0♎34 | 4°31 | 28°52 | 11°31 | 21°31 | 17°50 | 27°42 | 2°R 3 | 1°18 | 1°54 | 26°39 | F 29 |
| S 30 | 0 53 29 | 11♎29'55 | 13♎25 | 5♏52 | 1♎49 | 5♌ 5 | 28♒48 | 11♏38 | 21♌33 | 17♍52 | 27♋43 | 2♎ 2 | 1♎14 | 2♏ 1 | 26♉37 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n46 | 2n 7 | 0s51 | 0n50 | 0n 5 | 14n11 | 1n13 | 23n13 | 0n53 | 12s21 | 1s32 | 12s32 | 2n 6 | 15n33 | 0n41 | 6n27 | 1n19 | 26n37 | 5n54 | 0s47 | 1s 7 | 8s59 | 17n26 | 2s15 |
| S 2 | 6 23 | 1s40 | 0n15 | 0 6 | 0s 2 | 13 47 | 1 14 | 23 9 | 0 54 | 12 23 | 1 32 | 12 34 | 2 6 | 15 31 | 0 41 | 6 26 | 1 19 | 26 37 | 5 54 | 0 47 | 1 5 | 9 1 | 17 26 | 2 16 |
| S 3 | 6 0 | 5 21 | 1 21 | 0s38 | 0 9 | 13 22 | 1 16 | 23 4 | 0 55 | 12 26 | 1 32 | 12 36 | 2 5 | 15 30 | 0 41 | 6 25 | 1 19 | 26 37 | 5 54 | 0 48 | 1 4 | 9 3 | 17 26 | 2 16 |
| M 4 | 5 38 | 8 48 | 2 22 | 1 22 | 0 16 | 12 57 | 1 17 | 23 0 | 0 55 | 12 29 | 1 32 | 12 38 | 2 5 | 15 29 | 0 41 | 6 24 | 1 19 | 26 37 | 5 55 | 0 48 | 1 3 | 9 4 | 17 25 | 2 16 |
| T 5 | 5 15 | 11 52 | 3 17 | 2 5 | 0 24 | 12 32 | 1 18 | 22 55 | 0 56 | 12 31 | 1 32 | 12 39 | 2 5 | 15 28 | 0 41 | 6 23 | 1 19 | 26 36 | 5 55 | 0 49 | 1 2 | 9 6 | 17 25 | 2 16 |
| W 6 | 4 52 | 14 28 | 4 4 | 2 48 | 0 31 | 12 6 | 1 19 | 22 51 | 0 57 | 12 34 | 1 32 | 12 41 | 2 5 | 15 27 | 0 41 | 6 22 | 1 19 | 26 36 | 5 55 | 0 49 | 1 0 | 9 8 | 17 25 | 2 17 |
| T 7 | 4 28 | 16 29 | 4 40 | 3 30 | 0 39 | 11 40 | 1 20 | 22 46 | 0 58 | 12 37 | 1 32 | 12 43 | 2 5 | 15 26 | 0 41 | 6 21 | 1 19 | 26 36 | 5 55 | 0 49 | 0 59 | 9 9 | 17 24 | 2 17 |
| F 8 | 4 5 | 17 47 | 5 5 | 4 12 | 0 46 | 11 14 | 1 21 | 22 41 | 0 59 | 12 39 | 1 32 | 12 45 | 2 4 | 15 25 | 0 41 | 6 21 | 1 19 | 26 36 | 5 55 | 0 50 | 0 58 | 9 11 | 17 24 | 2 17 |
| S 9 | 3 42 | 18 17 | 5 17 | 4 54 | 0 53 | 10 47 | 1 22 | 22 36 | 1 0 | 12 42 | 1 31 | 12 47 | 2 4 | 15 24 | 0 42 | 6 20 | 1 19 | 26 36 | 5 56 | 0 50 | 0 56 | 9 12 | 17 24 | 2 17 |
| S 10 | 3 19 | 17 53 | 5 13 | 5 35 | 1 1 | 10 20 | 1 23 | 22 30 | 1 1 | 12 44 | 1 31 | 12 49 | 2 4 | 15 23 | 0 42 | 6 19 | 1 19 | 26 36 | 5 56 | 0 49 | 0 55 | 9 14 | 17 23 | 2 18 |
| M11 | 2 55 | 16 33 | 4 54 | 6 15 | 1 8 | 9 53 | 1 24 | 22 25 | 1 1 | 12 46 | 1 31 | 12 51 | 2 4 | 15 22 | 0 42 | 6 18 | 1 19 | 26 36 | 5 56 | 0 49 | 0 54 | 9 16 | 17 23 | 2 18 |
| T 12 | 2 32 | 14 15 | 4 18 | 6 55 | 1 16 | 9 25 | 1 24 | 22 20 | 1 2 | 12 49 | 1 31 | 12 53 | 2 4 | 15 21 | 0 42 | 6 17 | 1 19 | 26 36 | 5 56 | 0 49 | 0 53 | 9 17 | 17 22 | 2 18 |
| W13 | 2 8 | 11 4 | 3 25 | 7 34 | 1 23 | 8 57 | 1 25 | 22 14 | 1 3 | 12 51 | 1 31 | 12 55 | 2 4 | 15 20 | 0 42 | 6 16 | 1 19 | 26 36 | 5 56 | 0 48 | 0 51 | 9 19 | 17 22 | 2 18 |
| T 14 | 1 44 | 7 8 | 2 18 | 8 13 | 1 30 | 8 29 | 1 26 | 22 8 | 1 4 | 12 53 | 1 31 | 12 57 | 2 3 | 15 19 | 0 42 | 6 15 | 1 19 | 26 36 | 5 57 | 0 48 | 0 50 | 9 20 | 17 21 | 2 19 |
| F 15 | 1 21 | 2 40 | 1 1 | 8 51 | 1 37 | 8 1 | 1 26 | 22 2 | 1 5 | 12 55 | 1 31 | 12 59 | 2 3 | 15 18 | 0 42 | 6 15 | 1 19 | 26 36 | 5 57 | 0 48 | 0 49 | 9 22 | 17 21 | 2 19 |
| S 16 | 0 57 | 2n 1 | 0s22 | 9 28 | 1 44 | 7 32 | 1 26 | 21 56 | 1 6 | 12 57 | 1 31 | 13 1 | 2 3 | 15 17 | 0 42 | 6 14 | 1 19 | 26 36 | 5 57 | 0 48 | 0 48 | 9 24 | 17 20 | 2 19 |
| S 17 | 0 34 | 6 37 | 1 43 | 10 4 | 1 51 | 7 3 | 1 27 | 21 50 | 1 7 | 13 0 | 1 31 | 13 3 | 2 3 | 15 16 | 0 42 | 6 13 | 1 19 | 26 36 | 5 57 | 0 48 | 0 46 | 9 25 | 17 20 | 2 19 |
| M18 | 0 10 | 10 46 | 2 58 | 10 40 | 1 58 | 6 34 | 1 27 | 21 44 | 1 8 | 13 2 | 1 31 | 13 5 | 2 3 | 15 15 | 0 42 | 6 12 | 1 19 | 26 36 | 5 58 | 0 48 | 0 45 | 9 27 | 17 19 | 2 19 |
| T 19 | 0s14 | 14 11 | 3 59 | 11 15 | 2 5 | 6 5 | 1 27 | 21 38 | 1 9 | 13 3 | 1 31 | 13 7 | 2 3 | 15 14 | 0 42 | 6 11 | 1 19 | 26 36 | 5 58 | 0 48 | 0 44 | 9 28 | 17 19 | 2 20 |
| W20 | 0 38 | 16 38 | 4 44 | 11 48 | 2 11 | 5 36 | 1 27 | 21 32 | 1 9 | 13 5 | 1 30 | 13 9 | 2 2 | 15 13 | 0 42 | 6 10 | 1 19 | 26 36 | 5 58 | 0 48 | 0 42 | 9 30 | 17 18 | 2 20 |
| T 21 | 1 1 | 17 59 | 5 10 | 12 21 | 2 17 | 5 6 | 1 28 | 21 25 | 1 10 | 13 7 | 1 30 | 13 11 | 2 2 | 15 12 | 0 42 | 6 9 | 1 19 | 26 36 | 5 58 | 0 48 | 0 41 | 9 32 | 17 18 | 2 20 |
| F 22 | 1 25 | 18 14 | 5 18 | 12 53 | 2 23 | 4 37 | 1 28 | 21 18 | 1 11 | 13 9 | 1 30 | 13 13 | 2 2 | 15 11 | 0 42 | 6 9 | 1 19 | 26 36 | 5 58 | 0 48 | 0 40 | 9 33 | 17 17 | 2 20 |
| S 23 | 1 49 | 17 26 | 5 8 | 13 24 | 2 29 | 4 7 | 1 28 | 21 12 | 1 12 | 13 11 | 1 30 | 13 15 | 2 2 | 15 10 | 0 42 | 6 8 | 1 19 | 26 36 | 5 59 | 0 48 | 0 39 | 9 35 | 17 17 | 2 21 |
| S 24 | 2 13 | 15 44 | 4 42 | 13 54 | 2 35 | 3 37 | 1 27 | 21 5 | 1 13 | 13 12 | 1 30 | 13 17 | 2 2 | 15 9 | 0 42 | 6 7 | 1 19 | 26 36 | 5 59 | 0 48 | 0 37 | 9 36 | 17 16 | 2 21 |
| M25 | 2 36 | 13 16 | 4 2 | 14 22 | 2 40 | 3 7 | 1 27 | 20 58 | 1 14 | 13 14 | 1 30 | 13 19 | 2 2 | 15 8 | 0 42 | 6 6 | 1 19 | 26 36 | 5 59 | 0 48 | 0 36 | 9 38 | 17 15 | 2 21 |
| T 26 | 3 0 | 10 14 | 3 12 | 14 49 | 2 45 | 2 36 | 1 27 | 20 51 | 1 15 | 13 15 | 1 30 | 13 21 | 2 2 | 15 7 | 0 42 | 6 5 | 1 19 | 26 36 | 5 59 | 0 49 | 0 35 | 9 39 | 17 15 | 2 21 |
| W27 | 3 24 | 6 48 | 2 13 | 15 15 | 2 49 | 2 6 | 1 27 | 20 44 | 1 16 | 13 17 | 1 30 | 13 23 | 2 1 | 15 6 | 0 42 | 6 5 | 1 19 | 26 36 | 6 0 | 0 49 | 0 34 | 9 41 | 17 14 | 2 22 |
| T 28 | 3 47 | 3 7 | 1 9 | 15 39 | 2 53 | 1 36 | 1 26 | 20 37 | 1 17 | 13 18 | 1 29 | 13 25 | 2 1 | 15 5 | 0 42 | 6 4 | 1 19 | 26 37 | 6 0 | 0 49 | 0 32 | 9 43 | 17 13 | 2 22 |
| F 29 | 4 11 | 0s39 | 0 3 | 16 2 | 2 57 | 1 5 | 1 26 | 20 30 | 1 18 | 13 19 | 1 29 | 13 27 | 2 1 | 15 5 | 0 42 | 6 3 | 1 19 | 26 37 | 6 0 | 0 49 | 0 31 | 9 44 | 17 13 | 2 22 |
| S 30 | 4s34 | 4s22 | 1n 3 | 16s23 | 3s 0 | 0n35 | 1n25 | 20n22 | 1n19 | 13s21 | 1s29 | 13s29 | 2n 1 | 15n 4 | 0n42 | 6n 2 | 1n19 | 26n37 | 6n 0 | 0s49 | 0s30 | 9s46 | 17n12 | 2s22 |

Julian Day Number = 2069749.5, Delta T = 28m25s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'20, Lahiri = 9°17'20 Julian Calendar 1 Sept. 954 == Greg. Calendar 6 Sept. 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## OCTOBER 954 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 57 25 | 12♎29'42 | 25♎15 | 6♏42 | 3♎ 4 | 5♌39 | 28°R44 | 11♏44 | 21♌36 | 17♍54 | 27♋43 | 2°R 2 | 1♎11 | 2♏ 7 | 26°R35 | S 1 |
| M 2 | 1 1 22 | 13°29'30 | 7♏ 3 | 7°27 | 4°19 | 6°12 | 28♒41 | 11°51 | 21°39 | 17°56 | 27°44 | 2♎ 0 | 1° 8 | 2°14 | 26♉33 | M 2 |
| T 3 | 1 5 19 | 14°29'21 | 18°51 | 8° 8 | 5°34 | 6°45 | 28°37 | 11°57 | 21°41 | 17°58 | 27°45 | 1°59 | 1° 5 | 2°21 | 26°31 | T 3 |
| W 4 | 1 9 15 | 15°29'13 | 0♐43 | 8°44 | 6°50 | 7°19 | 28°34 | 12° 4 | 21°44 | 18° 0 | 27°45 | 1°56 | 1° 2 | 2°27 | 26°28 | W 4 |
| T 5 | 1 13 12 | 16°29'07 | 12°40 | 9°15 | 8° 5 | 7°52 | 28°31 | 12°11 | 21°46 | 18° 2 | 27°46 | 1°54 | 0°59 | 2°34 | 26°26 | T 5 |
| F 6 | 1 17 8 | 17°29'03 | 24°47 | 9°40 | 9°20 | 8°25 | 28°28 | 12°17 | 21°49 | 18° 4 | 27°46 | 1°53 | 0°55 | 2°41 | 26°24 | F 6 |
| S 7 | 1 21 5 | 18°29'01 | 7♑ 7 | 9°59 | 10°35 | 8°58 | 28°26 | 12°24 | 21°51 | 18° 6 | 27°47 | 1°51 | 0°52 | 2°47 | 26°21 | S 7 |
| S 8 | 1 25 1 | 19°29'00 | 19°44 | 10°11 | 11°51 | 9°31 | 28°23 | 12°31 | 21°54 | 18° 8 | 27°47 | 1°D51 | 0°49 | 2°54 | 26°19 | S 8 |
| M 9 | 1 28 58 | 20°29'01 | 2♒43 | 10°R15 | 13° 6 | 10° 3 | 28°21 | 12°37 | 21°56 | 18°10 | 27°48 | 1°52 | 0°46 | 3° 1 | 26°16 | M 9 |
| T 10 | 1 32 54 | 21°29'03 | 16° 6 | 10°10 | 14°21 | 10°36 | 28°19 | 12°44 | 21°59 | 18°12 | 27°48 | 1°53 | 0°43 | 3° 7 | 26°14 | T 10 |
| W11 | 1 36 51 | 22°29'08 | 29°56 | 9°57 | 15°37 | 11° 8 | 28°17 | 12°51 | 22° 1 | 18°14 | 27°49 | 1°54 | 0°40 | 3°14 | 26°11 | W11 |
| T 12 | 1 40 48 | 23°29'13 | 14♓12 | 9°34 | 16°52 | 11°40 | 28°15 | 12°58 | 22° 3 | 18°16 | 27°49 | 1°55 | 0°36 | 3°21 | 26° 9 | T 12 |
| F 13 | 1 44 44 | 24°29'21 | 28°54 | 9° 2 | 18° 7 | 12°12 | 28°14 | 13° 5 | 22° 5 | 18°18 | 27°49 | 1°R56 | 0°33 | 3°27 | 26° 6 | F 13 |
| S 14 | 1 48 41 | 25°29'30 | 13♈56 | 8°21 | 19°23 | 12°44 | 28°13 | 13°11 | 22° 7 | 18°20 | 27°50 | 1°56 | 0°30 | 3°34 | 26° 3 | S 14 |
| S 15 | 1 52 37 | 26°29'41 | 29°10 | 7°30 | 20°38 | 13°16 | 28°12 | 13°18 | 22°10 | 18°22 | 27°50 | 1°54 | 0°27 | 3°41 | 26° 0 | S 15 |
| M16 | 1 56 34 | 27°29'54 | 14♉25 | 6°30 | 21°53 | 13°48 | 28°11 | 13°25 | 22°12 | 18°24 | 27°50 | 1°51 | 0°24 | 3°47 | 25°58 | M16 |
| T 17 | 2 0 30 | 28°30'08 | 29°33 | 5°23 | 23° 9 | 14°19 | 28°10 | 13°32 | 22°14 | 18°25 | 27°50 | 1°48 | 0°20 | 3°54 | 25°55 | T 17 |
| W18 | 2 4 27 | 29°30'25 | 14♊23 | 4° 9 | 24°24 | 14°51 | 28°10 | 13°39 | 22°16 | 18°27 | 27°51 | 1°44 | 0°17 | 4° 1 | 25°52 | W18 |
| T 19 | 2 8 23 | 0♏30'44 | 28°49 | 2°51 | 25°39 | 15°22 | 28°D10 | 13°46 | 22°18 | 18°29 | 27°51 | 1°40 | 0°14 | 4° 7 | 25°49 | T 19 |
| F 20 | 2 12 20 | 1°31'05 | 12♋47 | 1°32 | 26°55 | 15°53 | 28°10 | 13°53 | 22°19 | 18°31 | 27°51 | 1°37 | 0°11 | 4°14 | 25°46 | F 20 |
| S 21 | 2 16 17 | 2°31'28 | 26°17 | 0°13 | 28°10 | 16°24 | 28°10 | 14° 0 | 22°21 | 18°33 | 27°51 | 1°36 | 0° 8 | 4°21 | 25°43 | S 21 |
| S 22 | 2 20 13 | 3°31'53 | 9♌22 | 28♎57 | 29°26 | 16°55 | 28°10 | 14° 7 | 22°23 | 18°34 | 27°51 | 1°D36 | 0° 5 | 4°27 | 25°40 | S 22 |
| M23 | 2 24 10 | 4°32'19 | 22° 3 | 27°47 | 0♏41 | 17°26 | 28°11 | 14°14 | 22°25 | 18°36 | 27°51 | 1°37 | 0° 1 | 4°34 | 25°37 | M23 |
| T 24 | 2 28 6 | 5°32'48 | 4♍26 | 26°44 | 1°57 | 17°56 | 28°12 | 14°21 | 22°26 | 18°38 | 27°51 | 1°39 | 29♍58 | 4°41 | 25°34 | T 24 |
| W25 | 2 32 3 | 6°33'18 | 16°34 | 25°51 | 3°12 | 18°26 | 28°13 | 14°28 | 22°28 | 18°39 | 27°R51 | 1°41 | 29°55 | 4°47 | 25°31 | W25 |
| T 26 | 2 35 59 | 7°33'51 | 28°33 | 25° 9 | 4°28 | 18°57 | 28°14 | 14°35 | 22°30 | 18°41 | 27°51 | 1°R42 | 29°52 | 4°54 | 25°28 | T 26 |
| F 27 | 2 39 56 | 8°34'25 | 10♎25 | 24°39 | 5°43 | 19°26 | 28°16 | 14°42 | 22°31 | 18°42 | 27°51 | 1°41 | 29°49 | 5° 1 | 25°25 | F 27 |
| S 28 | 2 43 52 | 9°35'01 | 22°14 | 24°20 | 6°58 | 19°56 | 28°17 | 14°50 | 22°33 | 18°44 | 27°51 | 1°39 | 29°45 | 5° 7 | 25°21 | S 28 |
| S 29 | 2 47 49 | 10°35'38 | 4♏ 2 | 24°D12 | 8°14 | 20°26 | 28°19 | 14°57 | 22°34 | 18°46 | 27°51 | 1°35 | 29°42 | 5°14 | 25°18 | S 29 |
| M30 | 2 51 45 | 11°36'17 | 15°51 | 24°16 | 9°29 | 20°55 | 28°21 | 15° 4 | 22°35 | 18°47 | 27°51 | 1°29 | 29°39 | 5°21 | 25°15 | M30 |
| T 31 | 2 55 42 | 12♏36'58 | 27♏44 | 24♎31 | 10♏45 | 21♌24 | 28♒23 | 15♏11 | 22♌37 | 18♍49 | 27♋51 | 1♎21 | 29♍36 | 5♏27 | 25♉12 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s58 | 7s53 | 2n 5 | 16s42 | 3s 2 | 0n 4 | 1n25 | 20n15 | 1n20 | 13s22 | 1s29 | 13s31 | 2n 1 | 15n 3 | 0n42 | 6n 1 | 1n19 | 26n37 | 6n 0 | 0s49 | 0s29 | 9s47 | 17n11 | 2s22 |
| M 2 | 5 21 | 11 4 | 3 2 | 16 58 | 3 4 | 0s26 | 1 24 | 20 8 | 1 21 | 13 23 | 1 29 | 13 33 | 2 1 | 15 2 | 0 42 | 6 1 | 1 19 | 26 37 | 6 1 | 0 48 | 0 27 | 9 49 | 17 11 | 2 23 |
| T 3 | 5 45 | 13 49 | 3 51 | 17 13 | 3 5 | 0 57 | 1 23 | 20 0 | 1 22 | 13 24 | 1 28 | 13 36 | 2 1 | 15 1 | 0 42 | 6 0 | 1 19 | 26 37 | 6 1 | 0 47 | 0 26 | 9 50 | 17 10 | 2 23 |
| W 4 | 6 8 | 16 0 | 4 31 | 17 25 | 3 6 | 1 28 | 1 23 | 19 53 | 1 23 | 13 25 | 1 28 | 13 38 | 2 1 | 15 0 | 0 42 | 5 59 | 1 19 | 26 37 | 6 1 | 0 47 | 0 25 | 9 52 | 17 9 | 2 23 |
| T 5 | 6 31 | 17 30 | 4 59 | 17 35 | 3 5 | 1 58 | 1 22 | 19 45 | 1 24 | 13 26 | 1 28 | 13 40 | 2 0 | 15 0 | 0 42 | 5 58 | 1 19 | 26 37 | 6 1 | 0 46 | 0 23 | 9 54 | 17 8 | 2 23 |
| F 6 | 6 54 | 18 14 | 5 14 | 17 42 | 3 4 | 2 29 | 1 21 | 19 37 | 1 25 | 13 27 | 1 28 | 13 42 | 2 0 | 14 59 | 0 42 | 5 57 | 1 19 | 26 37 | 6 2 | 0 45 | 0 22 | 9 55 | 17 8 | 2 24 |
| S 7 | 7 17 | 18 8 | 5 15 | 17 45 | 3 1 | 2 59 | 1 20 | 19 29 | 1 26 | 13 27 | 1 28 | 13 44 | 2 0 | 14 58 | 0 42 | 5 57 | 1 19 | 26 37 | 6 2 | 0 45 | 0 21 | 9 57 | 17 7 | 2 24 |
| S 8 | 7 40 | 17 9 | 5 1 | 17 46 | 2 58 | 3 30 | 1 19 | 19 22 | 1 27 | 13 28 | 1 28 | 13 46 | 2 0 | 14 57 | 0 42 | 5 56 | 1 20 | 26 38 | 6 2 | 0 44 | 0 20 | 9 58 | 17 6 | 2 24 |
| M 9 | 8 3 | 15 15 | 4 32 | 17 42 | 2 53 | 4 0 | 1 18 | 19 14 | 1 28 | 13 29 | 1 27 | 13 48 | 2 0 | 14 57 | 0 42 | 5 55 | 1 20 | 26 38 | 6 2 | 0 45 | 0 18 | 10 0 | 17 5 | 2 24 |
| T 10 | 8 25 | 12 29 | 3 47 | 17 35 | 2 46 | 4 31 | 1 17 | 19 6 | 1 29 | 13 29 | 1 27 | 13 51 | 2 0 | 14 56 | 0 42 | 5 54 | 1 20 | 26 38 | 6 3 | 0 45 | 0 17 | 10 1 | 17 5 | 2 24 |
| W11 | 8 48 | 8 57 | 2 48 | 17 23 | 2 38 | 5 1 | 1 16 | 18 58 | 1 30 | 13 30 | 1 27 | 13 53 | 2 0 | 14 55 | 0 42 | 5 54 | 1 20 | 26 38 | 6 3 | 0 46 | 0 16 | 10 3 | 17 4 | 2 25 |
| T 12 | 9 10 | 4 46 | 1 36 | 17 6 | 2 29 | 5 31 | 1 14 | 18 50 | 1 31 | 13 30 | 1 27 | 13 55 | 2 0 | 14 54 | 0 43 | 5 53 | 1 20 | 26 38 | 6 3 | 0 46 | 0 15 | 10 5 | 17 3 | 2 25 |
| F 13 | 9 33 | 0 11 | 0 17 | 16 45 | 2 17 | 6 1 | 1 13 | 18 42 | 1 32 | 13 30 | 1 27 | 13 57 | 2 0 | 14 54 | 0 43 | 5 52 | 1 20 | 26 38 | 6 3 | 0 46 | 0 13 | 10 6 | 17 2 | 2 25 |
| S 14 | 9 55 | 4n31 | 1s 6 | 16 20 | 2 4 | 6 31 | 1 12 | 18 34 | 1 33 | 13 31 | 1 26 | 13 59 | 2 0 | 14 53 | 0 43 | 5 52 | 1 20 | 26 39 | 6 3 | 0 46 | 0 12 | 10 8 | 17 1 | 2 25 |
| S 15 | 10 17 | 8 59 | 2 24 | 15 49 | 1 50 | 7 1 | 1 10 | 18 25 | 1 34 | 13 31 | 1 26 | 14 1 | 1 59 | 14 52 | 0 43 | 5 51 | 1 20 | 26 39 | 6 4 | 0 46 | 0 11 | 10 9 | 17 1 | 2 25 |
| M16 | 10 38 | 12 52 | 3 33 | 15 14 | 1 33 | 7 30 | 1 9 | 18 17 | 1 35 | 13 31 | 1 26 | 14 3 | 1 59 | 14 52 | 0 43 | 5 50 | 1 20 | 26 39 | 6 4 | 0 44 | 0 9 | 10 11 | 17 0 | 2 26 |
| T 17 | 11 0 | 15 50 | 4 26 | 14 34 | 1 15 | 8 0 | 1 7 | 18 9 | 1 36 | 13 31 | 1 26 | 14 6 | 1 59 | 14 51 | 0 43 | 5 50 | 1 20 | 26 39 | 6 4 | 0 43 | 0 8 | 10 12 | 16 59 | 2 26 |
| W18 | 11 22 | 17 41 | 5 0 | 13 51 | 0 56 | 8 29 | 1 6 | 18 1 | 1 37 | 13 31 | 1 25 | 14 8 | 1 59 | 14 51 | 0 43 | 5 49 | 1 20 | 26 39 | 6 4 | 0 41 | 0 7 | 10 14 | 16 58 | 2 26 |
| T 19 | 11 43 | 18 21 | 5 13 | 13 6 | 0 36 | 8 58 | 1 4 | 17 52 | 1 38 | 13 31 | 1 25 | 14 10 | 1 59 | 14 50 | 0 43 | 5 48 | 1 20 | 26 39 | 6 5 | 0 40 | 0 6 | 10 15 | 16 57 | 2 26 |
| F 20 | 12 4 | 17 51 | 5 8 | 12 19 | 0 15 | 9 27 | 1 3 | 17 44 | 1 39 | 13 30 | 1 25 | 14 12 | 1 59 | 14 49 | 0 43 | 5 48 | 1 20 | 26 40 | 6 5 | 0 39 | 0 4 | 10 17 | 16 56 | 2 26 |
| S 21 | 12 25 | 16 20 | 4 45 | 11 31 | 0n 5 | 9 56 | 1 1 | 17 36 | 1 40 | 13 30 | 1 25 | 14 14 | 1 59 | 14 49 | 0 43 | 5 47 | 1 20 | 26 40 | 6 5 | 0 38 | 0 3 | 10 19 | 16 55 | 2 26 |
| S 22 | 12 46 | 14 1 | 4 8 | 10 46 | 0 26 | 10 24 | 0 59 | 17 27 | 1 41 | 13 30 | 1 25 | 14 16 | 1 59 | 14 48 | 0 43 | 5 46 | 1 20 | 26 40 | 6 5 | 0 38 | 0 2 | 10 20 | 16 55 | 2 27 |
| M23 | 13 6 | 11 5 | 3 20 | 10 2 | 0 45 | 10 53 | 0 57 | 17 19 | 1 42 | 13 29 | 1 24 | 14 19 | 1 59 | 14 48 | 0 43 | 5 46 | 1 20 | 26 40 | 6 6 | 0 39 | 0 1 | 10 22 | 16 54 | 2 27 |
| T 24 | 13 27 | 7 43 | 2 24 | 9 23 | 1 3 | 11 21 | 0 56 | 17 11 | 1 43 | 13 29 | 1 24 | 14 21 | 1 59 | 14 47 | 0 43 | 5 45 | 1 20 | 26 41 | 6 6 | 0 40 | 0n 1 | 10 23 | 16 53 | 2 27 |
| W25 | 13 47 | 4 4 | 1 22 | 8 48 | 1 20 | 11 48 | 0 54 | 17 2 | 1 44 | 13 28 | 1 24 | 14 23 | 1 59 | 14 47 | 0 43 | 5 44 | 1 20 | 26 41 | 6 6 | 0 40 | 0 2 | 10 25 | 16 52 | 2 27 |
| T 26 | 14 7 | 0 19 | 0 17 | 8 19 | 1 35 | 12 16 | 0 52 | 16 54 | 1 46 | 13 28 | 1 24 | 14 25 | 1 59 | 14 46 | 0 43 | 5 44 | 1 20 | 26 41 | 6 6 | 0 41 | 0 3 | 10 26 | 16 51 | 2 27 |
| F 27 | 14 26 | 3s25 | 0n47 | 7 56 | 1 47 | 12 43 | 0 50 | 16 45 | 1 47 | 13 27 | 1 23 | 14 27 | 1 59 | 14 46 | 0 43 | 5 43 | 1 20 | 26 41 | 6 7 | 0 40 | 0 5 | 10 28 | 16 50 | 2 27 |
| S 28 | 14 46 | 7 0 | 1 50 | 7 39 | 1 58 | 13 10 | 0 48 | 16 37 | 1 48 | 13 26 | 1 23 | 14 29 | 1 59 | 14 45 | 0 43 | 5 43 | 1 20 | 26 41 | 6 7 | 0 40 | 0 6 | 10 29 | 16 49 | 2 28 |
| S 29 | 15 5 | 10 19 | 2 47 | 7 28 | 2 7 | 13 36 | 0 46 | 16 29 | 1 49 | 13 25 | 1 23 | 14 31 | 1 58 | 14 45 | 0 43 | 5 42 | 1 20 | 26 42 | 6 7 | 0 38 | 0 7 | 10 31 | 16 48 | 2 28 |
| M30 | 15 24 | 13 13 | 3 37 | 7 23 | 2 14 | 14 2 | 0 44 | 16 20 | 1 50 | 13 24 | 1 23 | 14 33 | 1 58 | 14 44 | 0 43 | 5 41 | 1 20 | 26 42 | 6 7 | 0 35 | 0 8 | 10 32 | 16 47 | 2 28 |
| T 31 | 15s43 | 15s35 | 4n18 | 7s23 | 2n20 | 14s28 | 0n42 | 16n12 | 1n51 | 13s23 | 1s23 | 14s36 | 1n58 | 14n44 | 0n43 | 5n41 | 1n20 | 26n42 | 6n 8 | 0s32 | 0n10 | 10s34 | 16n46 | 2s28 |

Julian Day Number = 2069779.5, Delta T = 28m24s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'24, Lahiri = 9°17'24 Julian Calendar 1 Oct. 954 == Greg. Calendar 6 Oct. 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## NOVEMBER 954 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 2 59 39 | 13♏37'39 | 9♐42 | 24♎54 | 12♏ 0 | 21♌53 | 28♒26 | 15♏18 | 22♌38 | 18♍50 | 27°R51 | 1°R13 | 29♍33 | 5♏34 | 25°R 8 | W 1 |
| T 2 | 3 3 35 | 14°38'23 | 21°46 | 25°27 | 13°16 | 22°22 | 28°29 | 15°25 | 22°39 | 18°52 | 27♋50 | 1♎ 4 | 29°30 | 5°41 | 25♉ 5 | T 2 |
| F 3 | 3 7 32 | 15°39'07 | 3♑58 | 26° 8 | 14°31 | 22°51 | 28°31 | 15°32 | 22°40 | 18°53 | 27°50 | 0°57 | 29°26 | 5°47 | 25° 2 | F 3 |
| S 4 | 3 11 28 | 16°39'53 | 16°22 | 26°55 | 15°47 | 23°19 | 28°35 | 15°39 | 22°41 | 18°54 | 27°50 | 0°51 | 29°23 | 5°54 | 24°58 | S 4 |
| S 5 | 3 15 25 | 17°40'40 | 28°58 | 27°49 | 17° 2 | 23°47 | 28°38 | 15°46 | 22°43 | 18°56 | 27°50 | 0°47 | 29°20 | 6° 1 | 24°55 | S 5 |
| M 6 | 3 19 21 | 18°41'28 | 11♒52 | 28°48 | 18°18 | 24°15 | 28°41 | 15°53 | 22°44 | 18°57 | 27°49 | 0°45 | 29°17 | 6° 7 | 24°52 | M 6 |
| T 7 | 3 23 18 | 19°42'16 | 25° 6 | 29°52 | 19°33 | 24°43 | 28°45 | 16° 1 | 22°44 | 18°58 | 27°49 | 0°D45 | 29°14 | 6°14 | 24°48 | T 7 |
| W 8 | 3 27 14 | 20°43'06 | 8♓43 | 1♏ 0 | 20°49 | 25°11 | 28°49 | 16° 8 | 22°45 | 19° 0 | 27°48 | 0°45 | 29°11 | 6°21 | 24°45 | W 8 |
| T 9 | 3 31 11 | 21°43'57 | 22°45 | 2°12 | 22° 4 | 25°38 | 28°53 | 16°15 | 22°46 | 19° 1 | 27°48 | 0°47 | 29° 7 | 6°27 | 24°42 | T 9 |
| F 10 | 3 35 8 | 22°44'48 | 7♈12 | 3°26 | 23°20 | 26° 5 | 28°57 | 16°22 | 22°47 | 19° 2 | 27°48 | 0°R47 | 29° 4 | 6°34 | 24°38 | F 10 |
| S 11 | 3 39 4 | 23°45'41 | 22° 1 | 4°43 | 24°35 | 26°32 | 29° 1 | 16°29 | 22°48 | 19° 3 | 27°47 | 0°45 | 29° 1 | 6°41 | 24°35 | S 11 |
| S 12 | 3 43 1 | 24°46'34 | 7♉ 7 | 6° 2 | 25°51 | 26°59 | 29° 6 | 16°36 | 22°48 | 19° 4 | 27°47 | 0°40 | 28°58 | 6°47 | 24°31 | S 12 |
| M13 | 3 46 57 | 25°47'29 | 22°22 | 7°24 | 27° 6 | 27°25 | 29°11 | 16°43 | 22°49 | 19° 6 | 27°46 | 0°34 | 28°55 | 6°54 | 24°28 | M13 |
| T 14 | 3 50 54 | 26°48'25 | 7♊35 | 8°47 | 28°22 | 27°51 | 29°16 | 16°50 | 22°50 | 19° 7 | 27°46 | 0°25 | 28°51 | 7° 1 | 24°25 | T 14 |
| W15 | 3 54 50 | 27°49'21 | 22°35 | 10°11 | 29°37 | 28°17 | 29°21 | 16°57 | 22°50 | 19° 8 | 27°45 | 0°16 | 28°48 | 7° 7 | 24°21 | W15 |
| T 16 | 3 58 47 | 28°50'19 | 7♋13 | 11°36 | 0♐53 | 28°43 | 29°26 | 17° 4 | 22°50 | 19° 9 | 27°45 | 0° 7 | 28°45 | 7°14 | 24°18 | T 16 |
| F 17 | 4 2 44 | 29°51'18 | 21°23 | 13° 3 | 2° 8 | 29° 8 | 29°32 | 17°11 | 22°51 | 19°10 | 27°44 | 29♍59 | 28°42 | 7°21 | 24°15 | F 17 |
| S 18 | 4 6 40 | 0♐52'18 | 5♌ 3 | 14°30 | 3°24 | 29°33 | 29°37 | 17°18 | 22°51 | 19°11 | 27°43 | 29°54 | 28°39 | 7°27 | 24°11 | S 18 |
| S 19 | 4 10 37 | 1°53'20 | 18°13 | 15°58 | 4°39 | 29°58 | 29°43 | 17°25 | 22°51 | 19°12 | 27°43 | 29°51 | 28°36 | 7°34 | 24° 8 | S 19 |
| M20 | 4 14 33 | 2°54'22 | 0♍57 | 17°27 | 5°55 | 0♍23 | 29°49 | 17°32 | 22°52 | 19°13 | 27°42 | 29°D50 | 28°32 | 7°41 | 24° 5 | M20 |
| T 21 | 4 18 30 | 3°55'26 | 13°20 | 18°56 | 7°10 | 0°47 | 29°55 | 17°39 | 22°52 | 19°14 | 27°41 | 29°50 | 28°29 | 7°47 | 24° 1 | T 21 |
| W22 | 4 22 26 | 4°56'30 | 25°25 | 20°26 | 8°26 | 1°11 | 0♓ 2 | 17°46 | 22°52 | 19°14 | 27°41 | 29°R51 | 28°26 | 7°54 | 23°58 | W22 |
| T 23 | 4 26 23 | 5°57'36 | 7♎20 | 21°56 | 9°41 | 1°35 | 0° 8 | 17°53 | 22°R52 | 19°15 | 27°40 | 29°51 | 28°23 | 8° 1 | 23°55 | T 23 |
| F 24 | 4 30 19 | 6°58'42 | 19° 9 | 23°26 | 10°57 | 1°58 | 0°15 | 18° 0 | 22°52 | 19°16 | 27°39 | 29°49 | 28°20 | 8° 7 | 23°51 | F 24 |
| S 25 | 4 34 16 | 7°59'50 | 0♏56 | 24°57 | 12°12 | 2°21 | 0°22 | 18° 7 | 22°52 | 19°17 | 27°38 | 29°44 | 28°17 | 8°14 | 23°48 | S 25 |
| S 26 | 4 38 12 | 9° 0'58 | 12°44 | 26°28 | 13°28 | 2°44 | 0°29 | 18°13 | 22°52 | 19°17 | 27°37 | 29°37 | 28°13 | 8°21 | 23°45 | S 26 |
| M27 | 4 42 9 | 10° 2'07 | 24°38 | 28° 0 | 14°43 | 3° 6 | 0°36 | 18°20 | 22°52 | 19°18 | 27°37 | 29°26 | 28°10 | 8°27 | 23°42 | M27 |
| T 28 | 4 46 6 | 11° 3'17 | 6♐38 | 29°31 | 15°59 | 3°29 | 0°44 | 18°27 | 22°51 | 19°19 | 27°36 | 29°14 | 28° 7 | 8°34 | 23°38 | T 28 |
| W29 | 4 50 2 | 12° 4'27 | 18°45 | 1♐ 3 | 17°14 | 3°50 | 0°51 | 18°34 | 22°51 | 19°19 | 27°35 | 29° 0 | 28° 4 | 8°41 | 23°35 | W29 |
| T 30 | 4 53 59 | 13♐ 5'38 | 1♑ 2 | 2♐35 | 18♐30 | 4♍12 | 0♓59 | 18♏40 | 22♌51 | 19♍20 | 27♋34 | 28♍46 | 28♍ 1 | 8♏48 | 23♉32 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s 1 | 17s17 | 4n47 | 7s28 | 2n24 | 14s54 | 0n40 | 16n 4 | 1n52 | 13s22 | 1s22 | 14s38 | 1n58 | 14n44 | 0n43 | 5n40 | 1n20 | 26n43 | 6n 8 | 0s29 | 0n11 | 10s35 | 16n46 | 2s28 |
| T 2 | 16 19 | 18 15 | 5 4 | 7 38 | 2 26 | 15 19 | 0 38 | 15 55 | 1 54 | 13 21 | 1 22 | 14 40 | 1 58 | 14 43 | 0 43 | 5 40 | 1 20 | 26 43 | 6 8 | 0 26 | 0 12 | 10 37 | 16 45 | 2 28 |
| F 3 | 16 37 | 18 23 | 5 8 | 7 52 | 2 27 | 15 43 | 0 35 | 15 47 | 1 55 | 13 20 | 1 22 | 14 42 | 1 58 | 14 43 | 0 43 | 5 39 | 1 21 | 26 43 | 6 8 | 0 23 | 0 13 | 10 39 | 16 44 | 2 28 |
| S 4 | 16 55 | 17 39 | 4 57 | 8 9 | 2 27 | 16 7 | 0 33 | 15 39 | 1 56 | 13 19 | 1 22 | 14 44 | 1 58 | 14 43 | 0 43 | 5 39 | 1 21 | 26 43 | 6 8 | 0 20 | 0 15 | 10 40 | 16 43 | 2 29 |
| S 5 | 17 12 | 16 2 | 4 32 | 8 30 | 2 25 | 16 31 | 0 31 | 15 30 | 1 57 | 13 17 | 1 21 | 14 46 | 1 58 | 14 42 | 0 44 | 5 38 | 1 21 | 26 44 | 6 9 | 0 19 | 0 16 | 10 42 | 16 42 | 2 29 |
| M 6 | 17 29 | 13 36 | 3 53 | 8 53 | 2 23 | 16 55 | 0 29 | 15 22 | 1 58 | 13 16 | 1 21 | 14 48 | 1 58 | 14 42 | 0 44 | 5 38 | 1 21 | 26 44 | 6 9 | 0 18 | 0 17 | 10 43 | 16 41 | 2 29 |
| T 7 | 17 46 | 10 24 | 3 0 | 9 18 | 2 20 | 17 18 | 0 27 | 15 14 | 2 0 | 13 14 | 1 21 | 14 50 | 1 58 | 14 42 | 0 44 | 5 37 | 1 21 | 26 44 | 6 9 | 0 18 | 0 19 | 10 45 | 16 40 | 2 29 |
| W 8 | 18 2 | 6 33 | 1 56 | 9 45 | 2 16 | 17 40 | 0 24 | 15 6 | 2 1 | 13 13 | 1 21 | 14 52 | 1 58 | 14 42 | 0 44 | 5 37 | 1 21 | 26 45 | 6 9 | 0 18 | 0 20 | 10 46 | 16 39 | 2 29 |
| T 9 | 18 18 | 2 14 | 0 43 | 10 14 | 2 12 | 18 2 | 0 22 | 14 58 | 2 2 | 13 11 | 1 21 | 14 54 | 1 58 | 14 41 | 0 44 | 5 36 | 1 21 | 26 45 | 6 10 | 0 19 | 0 21 | 10 48 | 16 38 | 2 29 |
| F 10 | 18 34 | 2n21 | 0s34 | 10 44 | 2 7 | 18 24 | 0 20 | 14 50 | 2 3 | 13 9 | 1 20 | 14 56 | 1 58 | 14 41 | 0 44 | 5 36 | 1 21 | 26 45 | 6 10 | 0 19 | 0 22 | 10 49 | 16 37 | 2 29 |
| S 11 | 18 49 | 6 54 | 1 52 | 11 15 | 2 2 | 18 45 | 0 17 | 14 41 | 2 5 | 13 8 | 1 20 | 14 58 | 1 58 | 14 41 | 0 44 | 5 36 | 1 21 | 26 45 | 6 10 | 0 18 | 0 24 | 10 51 | 16 36 | 2 29 |
| S 12 | 19 4 | 11 6 | 3 2 | 11 47 | 1 56 | 19 5 | 0 15 | 14 33 | 2 6 | 13 6 | 1 20 | 15 0 | 1 58 | 14 41 | 0 44 | 5 35 | 1 21 | 26 46 | 6 10 | 0 16 | 0 25 | 10 52 | 16 35 | 2 30 |
| M13 | 19 19 | 14 35 | 4 1 | 12 19 | 1 50 | 19 25 | 0 13 | 14 26 | 2 7 | 13 4 | 1 20 | 15 2 | 1 58 | 14 41 | 0 44 | 5 35 | 1 21 | 26 46 | 6 11 | 0 14 | 0 26 | 10 54 | 16 34 | 2 30 |
| T 14 | 19 33 | 17 4 | 4 42 | 12 52 | 1 44 | 19 44 | 0 10 | 14 18 | 2 9 | 13 2 | 1 19 | 15 4 | 1 58 | 14 40 | 0 44 | 5 34 | 1 21 | 26 46 | 6 11 | 0 10 | 0 27 | 10 55 | 16 34 | 2 30 |
| W15 | 19 47 | 18 20 | 5 2 | 13 25 | 1 38 | 20 3 | 0 8 | 14 10 | 2 10 | 13 0 | 1 19 | 15 6 | 1 58 | 14 40 | 0 44 | 5 34 | 1 21 | 26 47 | 6 11 | 0 6 | 0 29 | 10 57 | 16 33 | 2 30 |
| T 16 | 20 1 | 18 20 | 5 3 | 13 58 | 1 31 | 20 22 | 0 5 | 14 2 | 2 11 | 12 58 | 1 19 | 15 8 | 1 58 | 14 40 | 0 44 | 5 34 | 1 21 | 26 47 | 6 11 | 0 3 | 0 30 | 10 58 | 16 32 | 2 30 |
| F 17 | 20 14 | 17 11 | 4 44 | 14 30 | 1 24 | 20 39 | 0 3 | 13 54 | 2 13 | 12 56 | 1 19 | 15 10 | 1 58 | 14 40 | 0 44 | 5 33 | 1 21 | 26 47 | 6 11 | 0n 0 | 0 31 | 11 0 | 16 31 | 2 30 |
| S 18 | 20 27 | 15 4 | 4 10 | 15 3 | 1 17 | 20 56 | 0 1 | 13 47 | 2 14 | 12 54 | 1 19 | 15 12 | 1 58 | 14 40 | 0 44 | 5 33 | 1 21 | 26 48 | 6 12 | 0 2 | 0 32 | 11 1 | 16 30 | 2 30 |
| S 19 | 20 39 | 12 14 | 3 23 | 15 36 | 1 10 | 21 13 | 0s 2 | 13 39 | 2 15 | 12 51 | 1 18 | 15 14 | 1 58 | 14 40 | 0 44 | 5 33 | 1 21 | 26 48 | 6 12 | 0 4 | 0 34 | 11 3 | 16 29 | 2 30 |
| M20 | 20 51 | 8 53 | 2 28 | 16 8 | 1 3 | 21 29 | 0 4 | 13 32 | 2 17 | 12 49 | 1 18 | 15 16 | 1 58 | 14 40 | 0 44 | 5 32 | 1 21 | 26 49 | 6 12 | 0 4 | 0 35 | 11 4 | 16 28 | 2 30 |
| T 21 | 21 3 | 5 15 | 1 27 | 16 40 | 0 55 | 21 44 | 0 6 | 13 24 | 2 18 | 12 47 | 1 18 | 15 18 | 1 58 | 14 40 | 0 44 | 5 32 | 1 21 | 26 49 | 6 12 | 0 4 | 0 36 | 11 6 | 16 27 | 2 30 |
| W22 | 21 14 | 1 28 | 0 24 | 17 11 | 0 48 | 21 59 | 0 9 | 13 17 | 2 19 | 12 44 | 1 18 | 15 20 | 1 58 | 14 40 | 0 44 | 5 32 | 1 21 | 26 49 | 6 13 | 0 4 | 0 38 | 11 7 | 16 26 | 2 30 |
| T 23 | 21 25 | 2s19 | 0n40 | 17 41 | 0 41 | 22 13 | 0 11 | 13 10 | 2 21 | 12 42 | 1 18 | 15 22 | 1 58 | 14 40 | 0 44 | 5 31 | 1 22 | 26 50 | 6 13 | 0 4 | 0 39 | 11 9 | 16 25 | 2 30 |
| F 24 | 21 36 | 5 59 | 1 41 | 18 12 | 0 34 | 22 26 | 0 14 | 13 3 | 2 22 | 12 39 | 1 17 | 15 24 | 1 58 | 14 40 | 0 44 | 5 31 | 1 22 | 26 50 | 6 13 | 0 5 | 0 40 | 11 10 | 16 25 | 2 30 |
| S 25 | 21 46 | 9 24 | 2 37 | 18 41 | 0 27 | 22 39 | 0 16 | 12 56 | 2 24 | 12 36 | 1 17 | 15 26 | 1 58 | 14 40 | 0 44 | 5 31 | 1 22 | 26 50 | 6 13 | 0 6 | 0 41 | 11 12 | 16 24 | 2 31 |
| S 26 | 21 55 | 12 27 | 3 27 | 19 10 | 0 19 | 22 51 | 0 18 | 12 49 | 2 25 | 12 34 | 1 17 | 15 28 | 1 58 | 14 40 | 0 44 | 5 31 | 1 22 | 26 51 | 6 13 | 0 9 | 0 43 | 11 13 | 16 23 | 2 31 |
| M27 | 22 5 | 15 1 | 4 8 | 19 38 | 0 12 | 23 2 | 0 21 | 12 42 | 2 27 | 12 31 | 1 17 | 15 29 | 1 58 | 14 40 | 0 44 | 5 31 | 1 22 | 26 51 | 6 14 | 0 13 | 0 44 | 11 15 | 16 22 | 2 31 |
| T 28 | 22 13 | 16 58 | 4 38 | 20 5 | 0 5 | 23 13 | 0 23 | 12 35 | 2 28 | 12 28 | 1 17 | 15 31 | 1 58 | 14 40 | 0 45 | 5 30 | 1 22 | 26 51 | 6 14 | 0 18 | 0 45 | 11 16 | 16 21 | 2 31 |
| W29 | 22 22 | 18 11 | 4 56 | 20 31 | 0s 2 | 23 23 | 0 25 | 12 29 | 2 30 | 12 25 | 1 16 | 15 33 | 1 58 | 14 41 | 0 45 | 5 30 | 1 22 | 26 52 | 6 14 | 0 24 | 0 46 | 11 18 | 16 20 | 2 31 |
| T 30 | 22s30 | 18s34 | 5n 1 | 20s56 | 0s 9 | 23s32 | 0s28 | 12n22 | 2n31 | 12s22 | 1s16 | 15s35 | 1n58 | 14n41 | 0n45 | 5n30 | 1n22 | 26n52 | 6n14 | 0n30 | 0n48 | 11s19 | 16n20 | 2s31 |

Julian Day Number = 2069810.5, Delta T = 28m24s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'28, Lahiri = 9°17'28 Julian Calendar 1 Nov. 954 == Greg. Calendar 6 Nov. 954


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# ASTRODIENST EPHEMERIS for the year 954
# geocentric

## DECEMBER 954 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 57 55 | 14♐ 6'49 | 13♑27 | 4♐ 8 | 19♐45 | 4♍33 | 1♓ 7 | 18♏47 | 22°R50 | 19♍21 | 27°R33 | 28°R33 | 27♍57 | 8♏54 | 23°R29 | F 1 |
| S 2 | 5 1 52 | 15° 8'01 | 26° 3 | 5°40 | 21° 1 | 4°53 | 1°15 | 18°54 | 22♌50 | 19°21 | 27♋32 | 28♍22 | 27°54 | 9° 1 | 23♉26 | S 2 |
| S 3 | 5 5 48 | 16° 9'12 | 8♒50 | 7°13 | 22°16 | 5°14 | 1°23 | 19° 0 | 22°49 | 19°22 | 27°31 | 28°14 | 27°51 | 9° 8 | 23°23 | S 3 |
| M 4 | 5 9 45 | 17°10'24 | 21°49 | 8°46 | 23°32 | 5°34 | 1°31 | 19° 7 | 22°49 | 19°22 | 27°30 | 28° 9 | 27°48 | 9°14 | 23°20 | M 4 |
| T 5 | 5 13 42 | 18°11'35 | 5♓ 2 | 10°19 | 24°47 | 5°53 | 1°39 | 19°13 | 22°48 | 19°22 | 27°29 | 28° 7 | 27°45 | 9°21 | 23°17 | T 5 |
| W 6 | 5 17 38 | 19°12'47 | 18°33 | 11°53 | 26° 3 | 6°12 | 1°48 | 19°20 | 22°47 | 19°23 | 27°28 | 28°D 6 | 27°42 | 9°28 | 23°14 | W 6 |
| T 7 | 5 21 35 | 20°13'59 | 2♈22 | 13°26 | 27°18 | 6°31 | 1°57 | 19°26 | 22°47 | 19°23 | 27°27 | 28°R 6 | 27°38 | 9°34 | 23°11 | T 7 |
| F 8 | 5 25 31 | 21°15'10 | 16°31 | 15° 0 | 28°33 | 6°49 | 2° 6 | 19°33 | 22°46 | 19°23 | 27°26 | 28° 6 | 27°35 | 9°41 | 23° 8 | F 8 |
| S 9 | 5 29 28 | 22°16'21 | 1♉ 0 | 16°35 | 29°49 | 7° 7 | 2°15 | 19°39 | 22°45 | 19°24 | 27°25 | 28° 3 | 27°32 | 9°48 | 23° 5 | S 9 |
| S 10 | 5 33 24 | 23°17'32 | 15°44 | 18° 9 | 1♑ 4 | 7°25 | 2°24 | 19°45 | 22°44 | 19°24 | 27°24 | 27°57 | 27°29 | 9°54 | 23° 2 | S 10 |
| M11 | 5 37 21 | 24°18'43 | 0♊40 | 19°44 | 2°20 | 7°42 | 2°33 | 19°52 | 22°43 | 19°24 | 27°23 | 27°48 | 27°26 | 10° 1 | 22°59 | M11 |
| T 12 | 5 41 17 | 25°19'55 | 15°38 | 21°19 | 3°35 | 7°58 | 2°42 | 19°58 | 22°42 | 19°24 | 27°21 | 27°37 | 27°23 | 10° 8 | 22°57 | T 12 |
| W13 | 5 45 14 | 26°21'06 | 0♋29 | 22°54 | 4°50 | 8°14 | 2°52 | 20° 4 | 22°41 | 19°25 | 27°20 | 27°25 | 27°19 | 10°14 | 22°54 | W13 |
| T 14 | 5 49 11 | 27°22'16 | 15° 4 | 24°30 | 6° 6 | 8°30 | 3° 2 | 20°10 | 22°40 | 19°25 | 27°19 | 27°13 | 27°16 | 10°21 | 22°51 | T 14 |
| F 15 | 5 53 7 | 28°23'27 | 29°16 | 26° 6 | 7°21 | 8°45 | 3°11 | 20°17 | 22°39 | 19°25 | 27°18 | 27° 2 | 27°13 | 10°28 | 22°49 | F 15 |
| S 16 | 5 57 4 | 29°24'38 | 13♌ 0 | 27°43 | 8°36 | 9° 0 | 3°21 | 20°23 | 22°38 | 19°25 | 27°17 | 26°54 | 27°10 | 10°34 | 22°46 | S 16 |
| S 17 | 6 1 0 | 0♑25'49 | 26°17 | 29°20 | 9°52 | 9°14 | 3°31 | 20°29 | 22°36 | 19°R25 | 27°16 | 26°49 | 27° 7 | 10°41 | 22°44 | S 17 |
| M18 | 6 4 57 | 1°27'00 | 9♍ 6 | 0♑57 | 11° 7 | 9°28 | 3°41 | 20°35 | 22°35 | 19°25 | 27°14 | 26°46 | 27° 3 | 10°48 | 22°41 | M18 |
| T 19 | 6 8 53 | 2°28'11 | 21°33 | 2°35 | 12°22 | 9°41 | 3°52 | 20°40 | 22°34 | 19°25 | 27°13 | 26°45 | 27° 0 | 10°54 | 22°39 | T 19 |
| W20 | 6 12 50 | 3°29'22 | 3♎42 | 4°13 | 13°38 | 9°54 | 4° 2 | 20°46 | 22°32 | 19°25 | 27°12 | 26°45 | 26°57 | 11° 1 | 22°37 | W20 |
| T 21 | 6 16 46 | 4°30'33 | 15°38 | 5°52 | 14°53 | 10° 6 | 4°13 | 20°52 | 22°31 | 19°24 | 27°11 | 26°45 | 26°54 | 11° 8 | 22°34 | T 21 |
| F 22 | 6 20 43 | 5°31'44 | 27°28 | 7°31 | 16° 8 | 10°18 | 4°23 | 20°58 | 22°30 | 19°24 | 27° 9 | 26°43 | 26°51 | 11°15 | 22°32 | F 22 |
| S 23 | 6 24 40 | 6°32'55 | 9♏16 | 9°10 | 17°24 | 10°29 | 4°34 | 21° 4 | 22°28 | 19°24 | 27° 8 | 26°39 | 26°48 | 11°21 | 22°30 | S 23 |
| S 24 | 6 28 36 | 7°34'05 | 21° 6 | 10°50 | 18°39 | 10°39 | 4°45 | 21° 9 | 22°26 | 19°24 | 27° 7 | 26°32 | 26°44 | 11°28 | 22°28 | S 24 |
| M25 | 6 32 33 | 8°35'15 | 3♐ 4 | 12°31 | 19°54 | 10°49 | 4°56 | 21°15 | 22°25 | 19°24 | 27° 5 | 26°22 | 26°41 | 11°35 | 22°26 | M25 |
| T 26 | 6 36 29 | 9°36'25 | 15°11 | 14°12 | 21°10 | 10°58 | 5° 7 | 21°20 | 22°23 | 19°23 | 27° 4 | 26° 9 | 26°38 | 11°41 | 22°24 | T 26 |
| W27 | 6 40 26 | 10°37'35 | 27°30 | 15°53 | 22°25 | 11° 7 | 5°18 | 21°26 | 22°21 | 19°23 | 27° 3 | 25°56 | 26°35 | 11°48 | 22°22 | W27 |
| T 28 | 6 44 22 | 11°38'44 | 10♑ 1 | 17°35 | 23°40 | 11°15 | 5°29 | 21°31 | 22°20 | 19°23 | 27° 1 | 25°42 | 26°32 | 11°55 | 22°20 | T 28 |
| F 29 | 6 48 19 | 12°39'52 | 22°45 | 19°17 | 24°55 | 11°22 | 5°40 | 21°37 | 22°18 | 19°22 | 27° 0 | 25°29 | 26°29 | 12° 1 | 22°18 | F 29 |
| S 30 | 6 52 15 | 13°41'00 | 5♒40 | 20°59 | 26°11 | 11°29 | 5°52 | 21°42 | 22°16 | 19°22 | 26°59 | 25°18 | 26°25 | 12° 8 | 22°16 | S 30 |
| S 31 | 6 56 12 | 14♑42'07 | 18♒46 | 22♑42 | 27♑26 | 11♍35 | 6♓ 3 | 21♏47 | 22♌14 | 19♍21 | 26♋57 | 25♍10 | 26♍22 | 12♏15 | 22♉15 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s37 | 18s 4 | 4n51 | 21s21 | 0s16 | 23s40 | 0s30 | 12n16 | 2n33 | 12s19 | 1s16 | 15s37 | 1n58 | 14n41 | 0n45 | 5n30 | 1n22 | 26n53 | 6n14 | 0n35 | 0n49 | 11s21 | 16n19 | 2s31 | F 1 |
| S 2 | 22 44 | 16 41 | 4 27 | 21 44 | 0 22 | 23 48 | 0 32 | 12 10 | 2 34 | 12 16 | 1 16 | 15 38 | 1 58 | 14 41 | 0 45 | 5 30 | 1 22 | 26 53 | 6 15 | 0 39 | 0 50 | 11 22 | 16 18 | 2 31 | S 2 |
| S 3 | 22 51 | 14 28 | 3 49 | 22 7 | 0 29 | 23 55 | 0 34 | 12 3 | 2 36 | 12 13 | 1 16 | 15 40 | 1 58 | 14 41 | 0 45 | 5 29 | 1 22 | 26 53 | 6 15 | 0 42 | 0 52 | 11 24 | 16 17 | 2 31 | S 3 |
| M 4 | 22 57 | 11 29 | 2 59 | 22 28 | 0 35 | 24 1 | 0 37 | 11 58 | 2 37 | 12 10 | 1 15 | 15 42 | 1 58 | 14 42 | 0 45 | 5 29 | 1 22 | 26 54 | 6 15 | 0 44 | 0 53 | 11 25 | 16 16 | 2 31 | M 4 |
| T 5 | 23 3 | 7 52 | 1 59 | 22 48 | 0 42 | 24 7 | 0 39 | 11 52 | 2 39 | 12 7 | 1 15 | 15 44 | 1 59 | 14 42 | 0 45 | 5 29 | 1 22 | 26 54 | 6 15 | 0 45 | 0 54 | 11 27 | 16 16 | 2 31 | T 5 |
| W 6 | 23 8 | 3 47 | 0 50 | 23 8 | 0 48 | 24 12 | 0 41 | 11 46 | 2 40 | 12 4 | 1 15 | 15 45 | 1 59 | 14 42 | 0 45 | 5 29 | 1 22 | 26 55 | 6 15 | 0 45 | 0 55 | 11 28 | 16 15 | 2 31 | W 6 |
| T 7 | 23 13 | 0n36 | 0s23 | 23 26 | 0 54 | 24 16 | 0 43 | 11 41 | 2 42 | 12 0 | 1 15 | 15 47 | 1 59 | 14 42 | 0 45 | 5 29 | 1 22 | 26 55 | 6 16 | 0 45 | 0 57 | 11 30 | 16 14 | 2 31 | T 7 |
| F 8 | 23 17 | 5 3 | 1 36 | 23 43 | 1 0 | 24 19 | 0 45 | 11 35 | 2 44 | 11 57 | 1 15 | 15 49 | 1 59 | 14 43 | 0 45 | 5 29 | 1 22 | 26 55 | 6 16 | 0 46 | 0 58 | 11 31 | 16 13 | 2 31 | F 8 |
| S 9 | 23 21 | 9 19 | 2 44 | 23 58 | 1 5 | 24 22 | 0 47 | 11 30 | 2 45 | 11 53 | 1 14 | 15 50 | 1 59 | 14 43 | 0 45 | 5 29 | 1 22 | 26 56 | 6 16 | 0 47 | 0 59 | 11 32 | 16 13 | 2 31 | S 9 |
| S 10 | 23 24 | 13 5 | 3 43 | 24 13 | 1 11 | 24 23 | 0 49 | 11 25 | 2 47 | 11 50 | 1 14 | 15 52 | 1 59 | 14 43 | 0 45 | 5 29 | 1 22 | 26 56 | 6 16 | 0 49 | 1 0 | 11 34 | 16 12 | 2 31 | S 10 |
| M11 | 23 27 | 16 2 | 4 28 | 24 26 | 1 16 | 24 24 | 0 51 | 11 20 | 2 49 | 11 46 | 1 14 | 15 54 | 1 59 | 14 44 | 0 45 | 5 29 | 1 22 | 26 57 | 6 16 | 0 53 | 1 2 | 11 35 | 16 11 | 2 31 | M11 |
| T 12 | 23 29 | 17 55 | 4 54 | 24 38 | 1 21 | 24 25 | 0 53 | 11 15 | 2 50 | 11 43 | 1 14 | 15 55 | 1 59 | 14 44 | 0 45 | 5 29 | 1 23 | 26 57 | 6 16 | 0 57 | 1 3 | 11 37 | 16 11 | 2 31 | T 12 |
| W13 | 23 31 | 18 34 | 5 0 | 24 49 | 1 26 | 24 24 | 0 55 | 11 11 | 2 52 | 11 39 | 1 14 | 15 57 | 1 59 | 14 44 | 0 45 | 5 29 | 1 23 | 26 57 | 6 17 | 1 2 | 1 4 | 11 38 | 16 10 | 2 31 | W13 |
| T 14 | 23 33 | 17 59 | 4 46 | 24 58 | 1 31 | 24 23 | 0 57 | 11 6 | 2 54 | 11 36 | 1 14 | 15 58 | 1 59 | 14 45 | 0 45 | 5 29 | 1 23 | 26 58 | 6 17 | 1 7 | 1 5 | 11 40 | 16 9 | 2 31 | T 14 |
| F 15 | 23 34 | 16 16 | 4 15 | 25 6 | 1 35 | 24 21 | 0 59 | 11 2 | 2 55 | 11 32 | 1 13 | 16 0 | 1 59 | 14 45 | 0 45 | 5 29 | 1 23 | 26 58 | 6 17 | 1 11 | 1 7 | 11 41 | 16 9 | 2 31 | F 15 |
| S 16 | 23 34 | 13 40 | 3 29 | 25 12 | 1 39 | 24 18 | 1 1 | 10 58 | 2 57 | 11 28 | 1 13 | 16 1 | 1 59 | 14 46 | 0 45 | 5 29 | 1 23 | 26 59 | 6 17 | 1 14 | 1 8 | 11 43 | 16 8 | 2 31 | S 16 |
| S 17 | 23 34 | 10 25 | 2 34 | 25 17 | 1 43 | 24 15 | 1 3 | 10 54 | 2 59 | 11 24 | 1 13 | 16 3 | 1 59 | 14 46 | 0 45 | 5 29 | 1 23 | 26 59 | 6 17 | 1 16 | 1 9 | 11 44 | 16 7 | 2 31 | S 17 |
| M18 | 23 34 | 6 47 | 1 32 | 25 21 | 1 47 | 24 10 | 1 4 | 10 51 | 3 1 | 11 21 | 1 13 | 16 5 | 1 59 | 14 47 | 0 45 | 5 29 | 1 23 | 26 59 | 6 17 | 1 18 | 1 11 | 11 46 | 16 7 | 2 31 | M18 |
| T 19 | 23 33 | 2 57 | 0 28 | 25 23 | 1 50 | 24 5 | 1 6 | 10 47 | 3 2 | 11 17 | 1 13 | 16 6 | 1 59 | 14 47 | 0 45 | 5 29 | 1 23 | 27 0 | 6 18 | 1 18 | 1 12 | 11 47 | 16 6 | 2 31 | T 19 |
| W20 | 23 32 | 0s55 | 0n37 | 25 23 | 1 53 | 24 0 | 1 8 | 10 44 | 3 4 | 11 13 | 1 13 | 16 7 | 2 0 | 14 48 | 0 45 | 5 29 | 1 23 | 27 0 | 6 18 | 1 18 | 1 13 | 11 49 | 16 6 | 2 31 | W20 |
| T 21 | 23 30 | 4 41 | 1 38 | 25 22 | 1 56 | 23 53 | 1 9 | 10 41 | 3 6 | 11 9 | 1 12 | 16 9 | 2 0 | 14 48 | 0 45 | 5 29 | 1 23 | 27 1 | 6 18 | 1 18 | 1 14 | 11 50 | 16 5 | 2 31 | T 21 |
| F 22 | 23 27 | 8 13 | 2 35 | 25 20 | 1 58 | 23 46 | 1 11 | 10 38 | 3 8 | 11 5 | 1 12 | 16 10 | 2 0 | 14 49 | 0 45 | 5 29 | 1 23 | 27 1 | 6 18 | 1 19 | 1 16 | 11 51 | 16 4 | 2 31 | F 22 |
| S 23 | 23 25 | 11 25 | 3 25 | 25 15 | 2 0 | 23 38 | 1 12 | 10 36 | 3 9 | 11 1 | 1 12 | 16 12 | 2 0 | 14 49 | 0 46 | 5 30 | 1 23 | 27 1 | 6 18 | 1 21 | 1 17 | 11 53 | 16 4 | 2 31 | S 23 |
| S 24 | 23 21 | 14 11 | 4 6 | 25 9 | 2 2 | 23 29 | 1 14 | 10 34 | 3 11 | 10 56 | 1 12 | 16 13 | 2 0 | 14 50 | 0 46 | 5 30 | 1 23 | 27 2 | 6 18 | 1 23 | 1 18 | 11 54 | 16 3 | 2 31 | S 24 |
| M25 | 23 18 | 16 22 | 4 37 | 25 2 | 2 3 | 23 20 | 1 15 | 10 32 | 3 13 | 10 52 | 1 12 | 16 14 | 2 0 | 14 50 | 0 46 | 5 30 | 1 23 | 27 2 | 6 18 | 1 27 | 1 19 | 11 56 | 16 3 | 2 31 | M25 |
| T 26 | 23 13 | 17 51 | 4 55 | 24 52 | 2 4 | 23 9 | 1 17 | 10 30 | 3 15 | 10 48 | 1 12 | 16 16 | 2 0 | 14 51 | 0 46 | 5 30 | 1 23 | 27 3 | 6 18 | 1 32 | 1 21 | 11 57 | 16 2 | 2 31 | T 26 |
| W27 | 23 9 | 18 32 | 5 1 | 24 41 | 2 5 | 22 59 | 1 18 | 10 28 | 3 17 | 10 44 | 1 12 | 16 17 | 2 0 | 14 51 | 0 46 | 5 30 | 1 23 | 27 3 | 6 19 | 1 38 | 1 22 | 11 59 | 16 2 | 2 31 | W27 |
| T 28 | 23 3 | 18 21 | 4 51 | 24 28 | 2 5 | 22 47 | 1 19 | 10 27 | 3 19 | 10 39 | 1 11 | 16 18 | 2 0 | 14 52 | 0 46 | 5 30 | 1 23 | 27 3 | 6 19 | 1 43 | 1 23 | 12 0 | 16 2 | 2 31 | T 28 |
| F 29 | 22 58 | 17 14 | 4 28 | 24 14 | 2 5 | 22 35 | 1 20 | 10 26 | 3 20 | 10 35 | 1 11 | 16 20 | 2 0 | 14 53 | 0 46 | 5 31 | 1 23 | 27 4 | 6 19 | 1 48 | 1 25 | 12 2 | 16 1 | 2 31 | F 29 |
| S 30 | 22 52 | 15 14 | 3 50 | 23 58 | 2 4 | 22 22 | 1 21 | 10 25 | 3 22 | 10 31 | 1 11 | 16 21 | 2 1 | 14 53 | 0 46 | 5 31 | 1 24 | 27 4 | 6 19 | 1 53 | 1 26 | 12 3 | 16 1 | 2 31 | S 30 |
| S 31 | 22s45 | 12s26 | 3n 0 | 23s40 | 2s 2 | 22s 8 | 1s23 | 10n24 | 3n24 | 10s26 | 1s11 | 16s22 | 2n 1 | 14n54 | 0n46 | 5n31 | 1n24 | 27n 4 | 6n19 | 1n56 | 1n27 | 12s 4 | 16n 0 | 2s31 | S 31 |

Julian Day Number = 2069840.5, Delta T = 28m23s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'32, Lahiri = 9°17'33 Julian Calendar 1 Dec. 954 == Greg. Calendar 6 Dec. 954


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## JANUARY 955 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 0 9 | 15♉43'12 | 2♓ 3 | 24♉25 | 28♉41 | 11♍40 | 6♓15 | 21♏52 | 22°R12 | 19°R21 | 26°R56 | 25°R 5 | 26♍19 | 12♏21 | 22°R13 | M 1 |
| T 2 | 7 4 5 | 16°44'17 | 15°30 | 26° 8 | 29°56 | 11°45 | 6°27 | 21°57 | 22♌10 | 19♍20 | 26♋55 | 25♍ 3 | 26°16 | 12°28 | 22♉11 | T 2 |
| W 3 | 7 8 2 | 17°45'21 | 29° 8 | 27°52 | 1♒11 | 11°49 | 6°39 | 22° 2 | 22° 8 | 19°20 | 26°53 | 25°D 3 | 26°13 | 12°35 | 22°10 | W 3 |
| T 4 | 7 11 58 | 18°46'24 | 12♈57 | 29°35 | 2°27 | 11°52 | 6°51 | 22° 7 | 22° 6 | 19°19 | 26°52 | 25°R 3 | 26° 9 | 12°41 | 22° 8 | T 4 |
| F 5 | 7 15 55 | 19°47'25 | 26°57 | 1♒18 | 3°42 | 11°55 | 7° 3 | 22°12 | 22° 4 | 19°18 | 26°50 | 25° 3 | 26° 6 | 12°48 | 22° 7 | F 5 |
| S 6 | 7 19 51 | 20°48'25 | 11♉10 | 3° 0 | 4°57 | 11°57 | 7°15 | 22°17 | 22° 2 | 19°18 | 26°49 | 25° 1 | 26° 3 | 12°55 | 22° 6 | S 6 |
| S 7 | 7 23 48 | 21°49'24 | 25°32 | 4°43 | 6°12 | 11°58 | 7°27 | 22°21 | 22° 0 | 19°17 | 26°48 | 24°57 | 26° 0 | 13° 1 | 22° 4 | S 7 |
| M 8 | 7 27 44 | 22°50'22 | 10♊ 1 | 6°24 | 7°27 | 11°R58 | 7°39 | 22°26 | 21°58 | 19°16 | 26°46 | 24°50 | 25°57 | 13° 8 | 22° 3 | M 8 |
| T 9 | 7 31 41 | 23°51'19 | 24°31 | 8° 4 | 8°42 | 11°58 | 7°52 | 22°31 | 21°56 | 19°16 | 26°45 | 24°41 | 25°54 | 13°15 | 22° 2 | T 9 |
| W10 | 7 35 38 | 24°52'14 | 8♋57 | 9°43 | 9°57 | 11°57 | 8° 4 | 22°35 | 21°53 | 19°15 | 26°44 | 24°31 | 25°50 | 13°22 | 22° 1 | W10 |
| T 11 | 7 39 34 | 25°53'09 | 23°12 | 11°20 | 11°12 | 11°55 | 8°17 | 22°40 | 21°51 | 19°14 | 26°42 | 24°21 | 25°47 | 13°28 | 22° 0 | T 11 |
| F 12 | 7 43 31 | 26°54'02 | 7♌ 9 | 12°55 | 12°27 | 11°53 | 8°29 | 22°44 | 21°49 | 19°13 | 26°41 | 24°13 | 25°44 | 13°35 | 21°59 | F 12 |
| S 13 | 7 47 27 | 27°54'54 | 20°46 | 14°28 | 13°42 | 11°49 | 8°42 | 22°48 | 21°47 | 19°12 | 26°39 | 24° 6 | 25°41 | 13°42 | 21°58 | S 13 |
| S 14 | 7 51 24 | 28°55'45 | 3♍59 | 15°57 | 14°57 | 11°45 | 8°55 | 22°52 | 21°44 | 19°11 | 26°38 | 24° 1 | 25°38 | 13°48 | 21°57 | S 14 |
| M15 | 7 55 20 | 29°56'34 | 16°49 | 17°22 | 16°12 | 11°40 | 9° 7 | 22°57 | 21°42 | 19°10 | 26°37 | 23°59 | 25°35 | 13°55 | 21°57 | M15 |
| T 16 | 7 59 17 | 0♒57'23 | 29°19 | 18°43 | 17°27 | 11°35 | 9°20 | 23° 1 | 21°40 | 19° 9 | 26°35 | 23°D59 | 25°31 | 14° 2 | 21°56 | T 16 |
| W17 | 8 3 13 | 1°58'11 | 11♎31 | 19°59 | 18°42 | 11°28 | 9°33 | 23° 4 | 21°37 | 19° 8 | 26°34 | 24° 0 | 25°28 | 14° 8 | 21°56 | W17 |
| T 18 | 8 7 10 | 2°58'57 | 23°30 | 21° 9 | 19°57 | 11°21 | 9°46 | 23° 8 | 21°35 | 19° 7 | 26°32 | 24° 1 | 25°25 | 14°15 | 21°55 | T 18 |
| F 19 | 8 11 7 | 3°59'43 | 5♏22 | 22°12 | 21°12 | 11°13 | 9°59 | 23°12 | 21°32 | 19° 6 | 26°31 | 24°R 2 | 25°22 | 14°22 | 21°55 | F 19 |
| S 20 | 8 15 3 | 5° 0'28 | 17°12 | 23° 8 | 22°27 | 11° 4 | 10°12 | 23°16 | 21°30 | 19° 5 | 26°30 | 24° 1 | 25°19 | 14°28 | 21°54 | S 20 |
| S 21 | 8 19 0 | 6° 1'11 | 29° 5 | 23°56 | 23°41 | 10°55 | 10°26 | 23°19 | 21°27 | 19° 4 | 26°28 | 23°58 | 25°15 | 14°35 | 21°54 | S 21 |
| M22 | 8 22 56 | 7° 1'53 | 11♐ 6 | 24°35 | 24°56 | 10°44 | 10°39 | 23°23 | 21°25 | 19° 3 | 26°27 | 23°53 | 25°12 | 14°42 | 21°54 | M22 |
| T 23 | 8 26 53 | 8° 2'34 | 23°18 | 25° 5 | 26°11 | 10°33 | 10°52 | 23°26 | 21°22 | 19° 2 | 26°25 | 23°46 | 25° 9 | 14°49 | 21°54 | T 23 |
| W24 | 8 30 49 | 9° 3'14 | 5♑44 | 25°24 | 27°26 | 10°21 | 11° 6 | 23°30 | 21°20 | 19° 1 | 26°24 | 23°38 | 25° 6 | 14°55 | 21°D54 | W24 |
| T 25 | 8 34 46 | 10° 3'53 | 18°27 | 25°R34 | 28°40 | 10° 8 | 11°19 | 23°33 | 21°17 | 19° 0 | 26°23 | 23°30 | 25° 3 | 15° 2 | 21°54 | T 25 |
| F 26 | 8 38 42 | 11° 4'30 | 1♒27 | 25°33 | 29°55 | 9°55 | 11°32 | 23°36 | 21°15 | 18°58 | 26°21 | 23°22 | 25° 0 | 15° 9 | 21°54 | F 26 |
| S 27 | 8 42 39 | 12° 5'05 | 14°42 | 25°21 | 1♓10 | 9°40 | 11°46 | 23°39 | 21°12 | 18°57 | 26°20 | 23°15 | 24°56 | 15°15 | 21°54 | S 27 |
| S 28 | 8 46 36 | 13° 5'39 | 28°12 | 25° 0 | 2°24 | 9°25 | 12° 0 | 23°42 | 21° 9 | 18°56 | 26°19 | 23°11 | 24°53 | 15°22 | 21°54 | S 28 |
| M29 | 8 50 32 | 14° 6'11 | 11♓55 | 24°28 | 3°39 | 9°10 | 12°13 | 23°45 | 21° 7 | 18°55 | 26°17 | 23° 8 | 24°50 | 15°29 | 21°54 | M29 |
| T 30 | 8 54 29 | 15° 6'42 | 25°46 | 23°48 | 4°54 | 8°53 | 12°27 | 23°48 | 21° 4 | 18°53 | 26°16 | 23°D 8 | 24°47 | 15°35 | 21°55 | T 30 |
| W31 | 8 58 25 | 16♒ 7'10 | 9♈45 | 23♒ 0 | 6♓ 8 | 8♍36 | 12♓41 | 23♏51 | 21♌ 2 | 18♍52 | 26♋15 | 23♍ 9 | 24♍44 | 15♏42 | 21♉55 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s38 | 8s57 | 1n59 | 23s20 | 2s 0 | 21s54 | 1s24 | 10n24 | 3n26 | 10s22 | 1s11 | 16s23 | 2n 1 | 14n55 | 0n46 | 5n31 | 1n24 | 27n 5 | 6n19 | 1n58 | 1n28 | 12s 6 | 16n 0 | 2s31 |
| T 2 | 22 31 | 4 58 | 0 51 | 22 58 | 1 58 | 21 39 | 1 25 | 10 24 | 3 28 | 10 17 | 1 11 | 16 25 | 2 1 | 14 55 | 0 46 | 5 32 | 1 24 | 27 5 | 6 19 | 1 59 | 1 30 | 12 7 | 16 0 | 2 31 |
| W 3 | 22 23 | 0 41 | 0s22 | 22 35 | 1 55 | 21 24 | 1 25 | 10 24 | 3 30 | 10 13 | 1 11 | 16 26 | 2 1 | 14 56 | 0 46 | 5 32 | 1 24 | 27 6 | 6 19 | 1 59 | 1 31 | 12 9 | 15 59 | 2 30 |
| T 4 | 22 15 | 3n42 | 1 34 | 22 10 | 1 51 | 21 7 | 1 26 | 10 24 | 3 32 | 10 8 | 1 11 | 16 27 | 2 1 | 14 57 | 0 46 | 5 32 | 1 24 | 27 6 | 6 20 | 1 59 | 1 32 | 12 10 | 15 59 | 2 30 |
| F 5 | 22 6 | 7 56 | 2 41 | 21 43 | 1 47 | 20 51 | 1 27 | 10 25 | 3 34 | 10 4 | 1 10 | 16 28 | 2 1 | 14 57 | 0 46 | 5 32 | 1 24 | 27 6 | 6 20 | 1 59 | 1 33 | 12 12 | 15 59 | 2 30 |
| S 6 | 21 57 | 11 47 | 3 40 | 21 15 | 1 42 | 20 33 | 1 28 | 10 26 | 3 35 | 9 59 | 1 10 | 16 29 | 2 1 | 14 58 | 0 46 | 5 33 | 1 24 | 27 7 | 6 20 | 1 59 | 1 35 | 12 13 | 15 58 | 2 30 |
| S 7 | 21 48 | 14 57 | 4 25 | 20 45 | 1 36 | 20 15 | 1 28 | 10 27 | 3 37 | 9 54 | 1 10 | 16 30 | 2 2 | 14 59 | 0 46 | 5 33 | 1 24 | 27 7 | 6 20 | 2 1 | 1 36 | 12 14 | 15 58 | 2 30 |
| M 8 | 21 38 | 17 14 | 4 54 | 20 13 | 1 30 | 19 57 | 1 29 | 10 29 | 3 39 | 9 50 | 1 10 | 16 31 | 2 2 | 14 59 | 0 46 | 5 33 | 1 24 | 27 8 | 6 20 | 2 4 | 1 37 | 12 16 | 15 58 | 2 30 |
| T 9 | 21 27 | 18 24 | 5 4 | 19 41 | 1 23 | 19 37 | 1 29 | 10 31 | 3 41 | 9 45 | 1 10 | 16 32 | 2 2 | 15 0 | 0 46 | 5 34 | 1 24 | 27 8 | 6 20 | 2 7 | 1 38 | 12 17 | 15 58 | 2 30 |
| W10 | 21 16 | 18 22 | 4 54 | 19 7 | 1 15 | 19 18 | 1 30 | 10 33 | 3 43 | 9 40 | 1 10 | 16 33 | 2 2 | 15 1 | 0 46 | 5 34 | 1 24 | 27 8 | 6 20 | 2 11 | 1 40 | 12 19 | 15 57 | 2 30 |
| T 11 | 21 5 | 17 11 | 4 27 | 18 32 | 1 6 | 18 57 | 1 30 | 10 35 | 3 45 | 9 35 | 1 10 | 16 34 | 2 2 | 15 2 | 0 46 | 5 34 | 1 24 | 27 9 | 6 20 | 2 15 | 1 41 | 12 20 | 15 57 | 2 30 |
| F 12 | 20 54 | 14 59 | 3 43 | 17 56 | 0 56 | 18 37 | 1 31 | 10 38 | 3 46 | 9 31 | 1 10 | 16 35 | 2 2 | 15 2 | 0 46 | 5 35 | 1 24 | 27 9 | 6 20 | 2 19 | 1 42 | 12 22 | 15 57 | 2 30 |
| S 13 | 20 42 | 12 0 | 2 48 | 17 19 | 0 46 | 18 15 | 1 31 | 10 41 | 3 48 | 9 26 | 1 10 | 16 36 | 2 2 | 15 3 | 0 46 | 5 35 | 1 24 | 27 9 | 6 20 | 2 21 | 1 44 | 12 23 | 15 57 | 2 30 |
| S 14 | 20 29 | 8 28 | 1 45 | 16 42 | 0 35 | 17 53 | 1 31 | 10 44 | 3 50 | 9 21 | 1 9 | 16 37 | 2 2 | 15 4 | 0 46 | 5 36 | 1 24 | 27 10 | 6 20 | 2 23 | 1 45 | 12 24 | 15 57 | 2 30 |
| M15 | 20 16 | 4 38 | 0 38 | 16 4 | 0 22 | 17 31 | 1 31 | 10 47 | 3 52 | 9 16 | 1 9 | 16 38 | 2 3 | 15 5 | 0 46 | 5 36 | 1 24 | 27 10 | 6 20 | 2 24 | 1 46 | 12 26 | 15 57 | 2 30 |
| T 16 | 20 3 | 0 43 | 0n29 | 15 27 | 0 10 | 17 8 | 1 31 | 10 51 | 3 54 | 9 11 | 1 9 | 16 39 | 2 3 | 15 6 | 0 46 | 5 36 | 1 24 | 27 10 | 6 20 | 2 24 | 1 47 | 12 27 | 15 56 | 2 30 |
| W17 | 19 50 | 3s 9 | 1 33 | 14 50 | 0n 4 | 16 45 | 1 31 | 10 55 | 3 55 | 9 6 | 1 9 | 16 40 | 2 3 | 15 6 | 0 46 | 5 37 | 1 24 | 27 11 | 6 21 | 2 24 | 1 49 | 12 29 | 15 56 | 2 30 |
| T 18 | 19 36 | 6 49 | 2 32 | 14 14 | 0 19 | 16 21 | 1 31 | 11 0 | 3 57 | 9 1 | 1 9 | 16 41 | 2 3 | 15 7 | 0 46 | 5 37 | 1 24 | 27 11 | 6 21 | 2 23 | 1 50 | 12 30 | 15 56 | 2 30 |
| F 19 | 19 22 | 10 11 | 3 24 | 13 40 | 0 34 | 15 57 | 1 31 | 11 4 | 3 59 | 8 56 | 1 9 | 16 41 | 2 3 | 15 8 | 0 46 | 5 38 | 1 24 | 27 11 | 6 21 | 2 23 | 1 51 | 12 31 | 15 56 | 2 29 |
| S 20 | 19 7 | 13 7 | 4 7 | 13 6 | 0 49 | 15 32 | 1 31 | 11 9 | 4 0 | 8 51 | 1 9 | 16 42 | 2 3 | 15 9 | 0 46 | 5 38 | 1 25 | 27 12 | 6 21 | 2 23 | 1 52 | 12 33 | 15 56 | 2 29 |
| S 21 | 18 52 | 15 31 | 4 40 | 12 35 | 1 5 | 15 7 | 1 30 | 11 14 | 4 2 | 8 46 | 1 9 | 16 43 | 2 3 | 15 10 | 0 46 | 5 39 | 1 25 | 27 12 | 6 21 | 2 25 | 1 54 | 12 34 | 15 56 | 2 29 |
| M22 | 18 37 | 17 16 | 5 1 | 12 7 | 1 22 | 14 42 | 1 30 | 11 20 | 4 3 | 8 40 | 1 9 | 16 44 | 2 4 | 15 10 | 0 46 | 5 39 | 1 25 | 27 12 | 6 21 | 2 27 | 1 55 | 12 36 | 15 56 | 2 29 |
| T 23 | 18 21 | 18 16 | 5 8 | 11 41 | 1 38 | 14 16 | 1 30 | 11 25 | 4 5 | 8 35 | 1 9 | 16 44 | 2 4 | 15 11 | 0 46 | 5 40 | 1 25 | 27 13 | 6 21 | 2 29 | 1 56 | 12 37 | 15 56 | 2 29 |
| W24 | 18 6 | 18 26 | 5 1 | 11 19 | 1 55 | 13 50 | 1 29 | 11 31 | 4 6 | 8 30 | 1 9 | 16 45 | 2 4 | 15 12 | 0 46 | 5 40 | 1 25 | 27 13 | 6 21 | 2 33 | 1 57 | 12 38 | 15 56 | 2 29 |
| T 25 | 17 49 | 17 40 | 4 40 | 11 1 | 2 11 | 13 23 | 1 29 | 11 38 | 4 8 | 8 25 | 1 8 | 16 46 | 2 4 | 15 13 | 0 46 | 5 41 | 1 25 | 27 13 | 6 21 | 2 36 | 1 59 | 12 40 | 15 56 | 2 29 |
| F 26 | 17 33 | 15 59 | 4 3 | 10 46 | 2 27 | 12 56 | 1 28 | 11 44 | 4 9 | 8 20 | 1 8 | 16 46 | 2 4 | 15 14 | 0 46 | 5 41 | 1 25 | 27 14 | 6 21 | 2 39 | 2 0 | 12 41 | 15 57 | 2 29 |
| S 27 | 17 16 | 13 26 | 3 13 | 10 36 | 2 42 | 12 29 | 1 27 | 11 51 | 4 10 | 8 14 | 1 8 | 16 47 | 2 4 | 15 15 | 0 46 | 5 42 | 1 25 | 27 14 | 6 21 | 2 42 | 2 1 | 12 42 | 15 57 | 2 29 |
| S 28 | 16 59 | 10 7 | 2 11 | 10 30 | 2 56 | 12 1 | 1 27 | 11 57 | 4 12 | 8 9 | 1 8 | 16 48 | 2 5 | 15 15 | 0 46 | 5 42 | 1 25 | 27 14 | 6 21 | 2 43 | 2 3 | 12 44 | 15 57 | 2 29 |
| M29 | 16 41 | 6 12 | 1 1 | 10 28 | 3 9 | 11 33 | 1 26 | 12 4 | 4 13 | 8 4 | 1 8 | 16 48 | 2 5 | 15 16 | 0 46 | 5 43 | 1 25 | 27 14 | 6 21 | 2 44 | 2 4 | 12 45 | 15 57 | 2 29 |
| T 30 | 16 24 | 1 55 | 0s14 | 10 30 | 3 21 | 11 5 | 1 25 | 12 12 | 4 14 | 7 58 | 1 8 | 16 49 | 2 5 | 15 17 | 0 46 | 5 43 | 1 25 | 27 15 | 6 21 | 2 45 | 2 5 | 12 47 | 15 57 | 2 29 |
| W31 | 16s 6 | 2n31 | 1s29 | 10s37 | 3n30 | 10s36 | 1s24 | 12n19 | 4n15 | 7s53 | 1s 8 | 16s49 | 2n 5 | 15n18 | 0n46 | 5n44 | 1n25 | 27n15 | 6n21 | 2n44 | 2n 6 | 12s48 | 15n57 | 2s29 |

Julian Day Number = 2069871.5, Delta T = 28m23s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'36, Lahiri = 9°17'37 Julian Calendar 1 Jan. 955 == Greg. Calendar 6 Jan. 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## FEBRUARY 955 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 2 22 | 17♒ 7'36 | 23♈49 | 22°R 5 | 7♓23 | 8°R19 | 12♓54 | 23♏53 | 20°R59 | 18°R51 | 26°R13 | 23♍10 | 24♍40 | 15♏49 | 21♉56 | T 1 |
| F 2 | 9 6 18 | 18° 8'01 | 7♉57 | 21♒ 6 | 8°37 | 8♍ 0 | 13° 8 | 23°56 | 20♎56 | 18♍49 | 26♋12 | 23°11 | 24°37 | 15°55 | 21°56 | F 2 |
| S 3 | 9 10 15 | 19° 8'24 | 22° 6 | 20° 2 | 9°52 | 7°41 | 13°22 | 23°58 | 20°54 | 18°48 | 26°11 | 23°R12 | 24°34 | 16° 2 | 21°57 | S 3 |
| S 4 | 9 14 11 | 20° 8'44 | 6♊16 | 18°57 | 11° 6 | 7°22 | 13°36 | 24° 1 | 20°51 | 18°47 | 26°10 | 23°11 | 24°31 | 16° 9 | 21°57 | S 4 |
| M 5 | 9 18 8 | 21° 9'03 | 20°24 | 17°52 | 12°21 | 7° 2 | 13°50 | 24° 3 | 20°49 | 18°45 | 26° 8 | 23° 8 | 24°28 | 16°16 | 21°58 | M 5 |
| T 6 | 9 22 5 | 22° 9'19 | 4♋27 | 16°48 | 13°35 | 6°41 | 14° 4 | 24° 5 | 20°46 | 18°44 | 26° 7 | 23° 4 | 24°25 | 16°22 | 21°59 | T 6 |
| W 7 | 9 26 1 | 23° 9'34 | 18°23 | 15°47 | 14°49 | 6°20 | 14°18 | 24° 7 | 20°43 | 18°42 | 26° 6 | 23° 0 | 24°21 | 16°29 | 22° 0 | W 7 |
| T 8 | 9 29 58 | 24° 9'46 | 2♌ 9 | 14°50 | 16° 4 | 5°59 | 14°32 | 24° 9 | 20°41 | 18°41 | 26° 5 | 22°55 | 24°18 | 16°36 | 22° 1 | T 8 |
| F 9 | 9 33 54 | 25° 9'57 | 15°41 | 13°58 | 17°18 | 5°37 | 14°46 | 24°11 | 20°38 | 18°39 | 26° 3 | 22°51 | 24°15 | 16°42 | 22° 2 | F 9 |
| S 10 | 9 37 51 | 26°10'05 | 28°58 | 13°11 | 18°32 | 5°15 | 15° 0 | 24°13 | 20°35 | 18°38 | 26° 2 | 22°48 | 24°12 | 16°49 | 22° 3 | S 10 |
| S 11 | 9 41 47 | 27°10'12 | 11♍57 | 12°31 | 19°46 | 4°53 | 15°14 | 24°14 | 20°33 | 18°36 | 26° 1 | 22°46 | 24° 9 | 16°56 | 22° 4 | S 11 |
| M12 | 9 45 44 | 28°10'16 | 24°39 | 11°57 | 21° 0 | 4°30 | 15°29 | 24°16 | 20°30 | 18°35 | 26° 0 | 22°D45 | 24° 6 | 17° 2 | 22° 6 | M12 |
| T 13 | 9 49 40 | 29°10'19 | 7♎ 4 | 11°31 | 22°15 | 4° 7 | 15°43 | 24°17 | 20°28 | 18°33 | 25°59 | 22°46 | 24° 2 | 17° 9 | 22° 7 | T 13 |
| W14 | 9 53 37 | 0♓10'21 | 19°15 | 11°11 | 23°29 | 3°43 | 15°57 | 24°19 | 20°25 | 18°32 | 25°58 | 22°48 | 23°59 | 17°16 | 22° 8 | W14 |
| T 15 | 9 57 34 | 1°10'20 | 1♏16 | 10°58 | 24°43 | 3°20 | 16°11 | 24°20 | 20°22 | 18°30 | 25°56 | 22°49 | 23°56 | 17°22 | 22°10 | T 15 |
| F 16 | 10 1 30 | 2°10'18 | 13° 9 | 10°D51 | 25°57 | 2°56 | 16°26 | 24°21 | 20°20 | 18°29 | 25°55 | 22°51 | 23°53 | 17°29 | 22°11 | F 16 |
| S 17 | 10 5 27 | 3°10'14 | 25° 1 | 10°52 | 27°11 | 2°33 | 16°40 | 24°22 | 20°17 | 18°27 | 25°54 | 22°52 | 23°50 | 17°36 | 22°13 | S 17 |
| S 18 | 10 9 23 | 4°10'09 | 6♐54 | 10°58 | 28°25 | 2° 9 | 16°54 | 24°23 | 20°15 | 18°26 | 25°53 | 22°R52 | 23°46 | 17°43 | 22°15 | S 18 |
| M19 | 10 13 20 | 5°10'01 | 18°55 | 11°10 | 29°38 | 1°46 | 17° 9 | 24°24 | 20°12 | 18°24 | 25°52 | 22°51 | 23°43 | 17°49 | 22°16 | M19 |
| T 20 | 10 17 16 | 6° 9'52 | 1♑ 8 | 11°27 | 0♈52 | 1°22 | 17°23 | 24°25 | 20°10 | 18°22 | 25°51 | 22°50 | 23°40 | 17°56 | 22°18 | T 20 |
| W21 | 10 21 13 | 7° 9'42 | 13°36 | 11°50 | 2° 6 | 0°58 | 17°37 | 24°25 | 20° 7 | 18°21 | 25°50 | 22°48 | 23°37 | 18° 3 | 22°20 | W21 |
| T 22 | 10 25 9 | 8° 9'29 | 26°24 | 12°18 | 3°20 | 0°35 | 17°52 | 24°26 | 20° 5 | 18°19 | 25°49 | 22°46 | 23°34 | 18° 9 | 22°22 | T 22 |
| F 23 | 10 29 6 | 9° 9'15 | 9♒32 | 12°50 | 4°34 | 0°12 | 18° 6 | 24°26 | 20° 2 | 18°17 | 25°48 | 22°44 | 23°31 | 18°16 | 22°24 | F 23 |
| S 24 | 10 33 3 | 10° 8'58 | 23° 2 | 13°27 | 5°47 | 29♌49 | 18°21 | 24°27 | 20° 0 | 18°16 | 25°47 | 22°42 | 23°27 | 18°23 | 22°26 | S 24 |
| S 25 | 10 36 59 | 11° 8'40 | 6♓52 | 14° 7 | 7° 1 | 29°27 | 18°35 | 24°27 | 19°58 | 18°14 | 25°46 | 22°41 | 23°24 | 18°29 | 22°28 | S 25 |
| M26 | 10 40 56 | 12° 8'20 | 20°59 | 14°52 | 8°15 | 29° 4 | 18°50 | 24°27 | 19°55 | 18°13 | 25°45 | 22°D41 | 23°21 | 18°36 | 22°30 | M26 |
| T 27 | 10 44 52 | 13° 7'57 | 5♈18 | 15°40 | 9°28 | 28°42 | 19° 4 | 24°R27 | 19°53 | 18°11 | 25°45 | 22°41 | 23°18 | 18°43 | 22°33 | T 27 |
| W28 | 10 48 49 | 14♓ 7'33 | 19♈46 | 16♒31 | 10♈42 | 28♌21 | 19♓18 | 24♏27 | 19♌51 | 18♍ 9 | 25♋44 | 22♍42 | 23♍15 | 18♏50 | 22♉35 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s47 | 6n49 | 2s39 | 10s47 | 3n38 | 10s 8 | 1s23 | 12n27 | 4n16 | 7s48 | 1s 8 | 16s50 | 2n 5 | 15n19 | 0n46 | 5n44 | 1n25 | 27n15 | 6n21 | 2n44 | 2n 8 | 12s49 | 15n57 | 2s28 |
| F 2 | 15 29 | 10 46 | 3 40 | 11 1 | 3 43 | 9 39 | 1 22 | 12 34 | 4 17 | 7 42 | 1 8 | 16 50 | 2 5 | 15 20 | 0 46 | 5 45 | 1 25 | 27 16 | 6 21 | 2 43 | 2 9 | 12 51 | 15 58 | 2 28 |
| S 3 | 15 10 | 14 5 | 4 28 | 11 18 | 3 46 | 9 9 | 1 20 | 12 42 | 4 17 | 7 37 | 1 8 | 16 51 | 2 6 | 15 21 | 0 46 | 5 45 | 1 25 | 27 16 | 6 21 | 2 43 | 2 10 | 12 52 | 15 58 | 2 28 |
| S 4 | 14 51 | 16 34 | 4 59 | 11 37 | 3 47 | 8 40 | 1 19 | 12 50 | 4 18 | 7 32 | 1 8 | 16 51 | 2 6 | 15 21 | 0 46 | 5 46 | 1 25 | 27 16 | 6 21 | 2 43 | 2 11 | 12 54 | 15 58 | 2 28 |
| M 5 | 14 32 | 18 2 | 5 12 | 11 59 | 3 46 | 8 10 | 1 18 | 12 58 | 4 19 | 7 26 | 1 8 | 16 51 | 2 6 | 15 22 | 0 46 | 5 47 | 1 25 | 27 16 | 6 21 | 2 44 | 2 13 | 12 55 | 15 58 | 2 28 |
| T 6 | 14 12 | 18 24 | 5 6 | 12 21 | 3 42 | 7 40 | 1 17 | 13 7 | 4 19 | 7 21 | 1 8 | 16 52 | 2 6 | 15 23 | 0 46 | 5 47 | 1 25 | 27 17 | 6 21 | 2 46 | 2 14 | 12 56 | 15 59 | 2 28 |
| W 7 | 13 52 | 17 38 | 4 42 | 12 44 | 3 37 | 7 10 | 1 15 | 13 15 | 4 20 | 7 15 | 1 8 | 16 52 | 2 6 | 15 24 | 0 46 | 5 48 | 1 25 | 27 17 | 6 21 | 2 48 | 2 15 | 12 58 | 15 59 | 2 28 |
| T 8 | 13 32 | 15 51 | 4 2 | 13 8 | 3 30 | 6 39 | 1 14 | 13 23 | 4 20 | 7 10 | 1 8 | 16 52 | 2 6 | 15 25 | 0 46 | 5 48 | 1 25 | 27 17 | 6 21 | 2 50 | 2 16 | 12 59 | 15 59 | 2 28 |
| F 9 | 13 12 | 13 12 | 3 9 | 13 31 | 3 21 | 6 9 | 1 12 | 13 32 | 4 20 | 7 4 | 1 8 | 16 53 | 2 7 | 15 26 | 0 46 | 5 49 | 1 25 | 27 17 | 6 21 | 2 51 | 2 18 | 13 0 | 16 0 | 2 28 |
| S 10 | 12 52 | 9 55 | 2 7 | 13 54 | 3 11 | 5 38 | 1 10 | 13 40 | 4 20 | 6 59 | 1 8 | 16 53 | 2 7 | 15 26 | 0 46 | 5 50 | 1 25 | 27 17 | 6 21 | 2 52 | 2 19 | 13 2 | 16 0 | 2 28 |
| S 11 | 12 31 | 6 13 | 0 59 | 14 16 | 2 59 | 5 7 | 1 9 | 13 49 | 4 20 | 6 53 | 1 8 | 16 53 | 2 7 | 15 27 | 0 46 | 5 50 | 1 25 | 27 18 | 6 21 | 2 53 | 2 20 | 13 3 | 16 1 | 2 28 |
| M12 | 12 11 | 2 18 | 0n10 | 14 37 | 2 47 | 4 37 | 1 7 | 13 57 | 4 20 | 6 47 | 1 7 | 16 53 | 2 7 | 15 28 | 0 46 | 5 51 | 1 25 | 27 18 | 6 21 | 2 53 | 2 22 | 13 4 | 16 1 | 2 28 |
| T 13 | 11 50 | 1s38 | 1 18 | 14 57 | 2 35 | 4 6 | 1 5 | 14 5 | 4 20 | 6 42 | 1 7 | 16 54 | 2 7 | 15 29 | 0 46 | 5 52 | 1 25 | 27 18 | 6 21 | 2 53 | 2 23 | 13 6 | 16 1 | 2 28 |
| W14 | 11 28 | 5 24 | 2 21 | 15 15 | 2 21 | 3 34 | 1 3 | 14 14 | 4 20 | 6 36 | 1 7 | 16 54 | 2 7 | 15 30 | 0 46 | 5 52 | 1 25 | 27 18 | 6 21 | 2 53 | 2 24 | 13 7 | 16 2 | 2 27 |
| T 15 | 11 7 | 8 54 | 3 17 | 15 32 | 2 8 | 3 3 | 1 1 | 14 22 | 4 20 | 6 31 | 1 7 | 16 54 | 2 8 | 15 31 | 0 46 | 5 53 | 1 25 | 27 18 | 6 21 | 2 52 | 2 25 | 13 8 | 16 2 | 2 27 |
| F 16 | 10 46 | 12 0 | 4 3 | 15 47 | 1 54 | 2 32 | 0 59 | 14 30 | 4 19 | 6 25 | 1 7 | 16 54 | 2 8 | 15 31 | 0 46 | 5 53 | 1 25 | 27 19 | 6 21 | 2 51 | 2 27 | 13 10 | 16 3 | 2 27 |
| S 17 | 10 24 | 14 36 | 4 39 | 16 0 | 1 40 | 2 0 | 0 57 | 14 38 | 4 19 | 6 20 | 1 7 | 16 54 | 2 8 | 15 32 | 0 46 | 5 54 | 1 25 | 27 19 | 6 21 | 2 51 | 2 28 | 13 11 | 16 3 | 2 27 |
| S 18 | 10 2 | 16 35 | 5 4 | 16 12 | 1 26 | 1 29 | 0 55 | 14 46 | 4 18 | 6 14 | 1 7 | 16 54 | 2 8 | 15 33 | 0 46 | 5 55 | 1 25 | 27 19 | 6 21 | 2 51 | 2 29 | 13 13 | 16 4 | 2 27 |
| M19 | 9 40 | 17 52 | 5 15 | 16 22 | 1 12 | 0 57 | 0 53 | 14 54 | 4 17 | 6 8 | 1 7 | 16 54 | 2 8 | 15 34 | 0 46 | 5 55 | 1 26 | 27 19 | 6 21 | 2 51 | 2 30 | 13 14 | 16 4 | 2 27 |
| T 20 | 9 18 | 18 21 | 5 13 | 16 30 | 0 59 | 0 26 | 0 51 | 15 2 | 4 16 | 6 3 | 1 7 | 16 54 | 2 8 | 15 35 | 0 46 | 5 56 | 1 26 | 27 19 | 6 21 | 2 52 | 2 32 | 13 15 | 16 5 | 2 27 |
| W21 | 8 56 | 17 58 | 4 55 | 16 36 | 0 46 | 0n 6 | 0 49 | 15 10 | 4 15 | 5 57 | 1 7 | 16 54 | 2 9 | 15 35 | 0 46 | 5 57 | 1 26 | 27 19 | 6 21 | 2 52 | 2 33 | 13 17 | 16 5 | 2 27 |
| T 22 | 8 33 | 16 41 | 4 23 | 16 41 | 0 33 | 0 37 | 0 47 | 15 17 | 4 14 | 5 51 | 1 7 | 16 54 | 2 9 | 15 36 | 0 46 | 5 57 | 1 26 | 27 20 | 6 21 | 2 53 | 2 34 | 13 18 | 16 6 | 2 27 |
| F 23 | 8 11 | 14 29 | 3 37 | 16 44 | 0 20 | 1 9 | 0 44 | 15 24 | 4 13 | 5 46 | 1 7 | 16 54 | 2 9 | 15 37 | 0 46 | 5 58 | 1 26 | 27 20 | 6 21 | 2 54 | 2 35 | 13 19 | 16 6 | 2 27 |
| S 24 | 7 48 | 11 27 | 2 37 | 16 45 | 0 8 | 1 40 | 0 42 | 15 31 | 4 12 | 5 40 | 1 7 | 16 54 | 2 9 | 15 38 | 0 46 | 5 59 | 1 26 | 27 20 | 6 21 | 2 55 | 2 37 | 13 21 | 16 7 | 2 27 |
| S 25 | 7 26 | 7 42 | 1 27 | 16 44 | 0s 3 | 2 12 | 0 39 | 15 38 | 4 10 | 5 34 | 1 7 | 16 54 | 2 9 | 15 38 | 0 46 | 5 59 | 1 26 | 27 20 | 6 21 | 2 55 | 2 38 | 13 22 | 16 8 | 2 27 |
| M26 | 7 3 | 3 27 | 0 9 | 16 42 | 0 15 | 2 43 | 0 37 | 15 44 | 4 9 | 5 28 | 1 7 | 16 54 | 2 9 | 15 39 | 0 46 | 6 0 | 1 26 | 27 20 | 6 21 | 2 55 | 2 39 | 13 23 | 16 8 | 2 27 |
| T 27 | 6 40 | 1n 3 | 1s 9 | 16 38 | 0 26 | 3 15 | 0 34 | 15 51 | 4 7 | 5 23 | 1 7 | 16 54 | 2 10 | 15 40 | 0 46 | 6 1 | 1 26 | 27 20 | 6 20 | 2 55 | 2 41 | 13 25 | 16 9 | 2 27 |
| W28 | 6s17 | 5n32 | 2s25 | 16s33 | 0s36 | 3n46 | 0s32 | 15n57 | 4n 6 | 5s17 | 1s 7 | 16s53 | 2n10 | 15n41 | 0n46 | 6n 1 | 1n26 | 27n20 | 6n20 | 2n55 | 2n42 | 13s26 | 16n 9 | 2s27 |

Julian Day Number = 2069902.5, Delta T = 28m22s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'41, Lahiri = 9°17'41 Julian Calendar 1 Feb. 955 == Greg. Calendar 6 Feb. 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## MARCH 955 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 52 45 | 15♓ 7'06 | 4♉15 | 17♒25 | 11♈55 | 28°R 0 | 19♓33 | 24°R27 | 19°R48 | 18°R 8 | 25°R43 | 22♍42 | 23♍12 | 18♏56 | 22♉37 | T 1 |
| F 2 | 10 56 42 | 16° 6'36 | 18°42 | 18°22 | 13° 8 | 27♌39 | 19°47 | 24♏27 | 19♌46 | 18♍ 6 | 25♋42 | 22°43 | 23° 8 | 19° 3 | 22°40 | F 2 |
| S 3 | 11 0 38 | 17° 6'05 | 3♊ 3 | 19°23 | 14°22 | 27°19 | 20° 2 | 24°26 | 19°44 | 18° 4 | 25°41 | 22°43 | 23° 5 | 19°10 | 22°42 | S 3 |
| S 4 | 11 4 35 | 18° 5'31 | 17°14 | 20°25 | 15°35 | 27° 0 | 20°16 | 24°26 | 19°41 | 18° 3 | 25°40 | 22°R44 | 23° 2 | 19°16 | 22°45 | S 4 |
| M 5 | 11 8 31 | 19° 4'55 | 1♋14 | 21°30 | 16°48 | 26°41 | 20°31 | 24°25 | 19°39 | 18° 1 | 25°40 | 22°44 | 22°59 | 19°23 | 22°47 | M 5 |
| T 6 | 11 12 28 | 20° 4'16 | 15° 0 | 22°38 | 18° 1 | 26°23 | 20°45 | 24°25 | 19°37 | 17°59 | 25°39 | 22°43 | 22°56 | 19°30 | 22°50 | T 6 |
| W 7 | 11 16 25 | 21° 3'35 | 28°33 | 23°48 | 19°15 | 26° 5 | 21° 0 | 24°24 | 19°35 | 17°58 | 25°38 | 22°43 | 22°52 | 19°36 | 22°53 | W 7 |
| T 8 | 11 20 21 | 22° 2'52 | 11♌53 | 25° 0 | 20°28 | 25°48 | 21°14 | 24°23 | 19°33 | 17°56 | 25°38 | 22°43 | 22°49 | 19°43 | 22°55 | T 8 |
| F 9 | 11 24 18 | 23° 2'06 | 24°59 | 26°14 | 21°41 | 25°32 | 21°29 | 24°22 | 19°31 | 17°54 | 25°37 | 22°D43 | 22°46 | 19°50 | 22°58 | F 9 |
| S 10 | 11 28 14 | 24° 1'18 | 7♍51 | 27°30 | 22°54 | 25°16 | 21°43 | 24°21 | 19°29 | 17°53 | 25°36 | 22°43 | 22°43 | 19°57 | 23° 1 | S 10 |
| S 11 | 11 32 11 | 25° 0'28 | 20°31 | 28°48 | 24° 7 | 25° 1 | 21°58 | 24°20 | 19°27 | 17°51 | 25°36 | 22°R43 | 22°40 | 20° 3 | 23° 4 | S 11 |
| M12 | 11 36 7 | 25°59'35 | 2♎58 | 0♓ 8 | 25°19 | 24°47 | 22°12 | 24°19 | 19°25 | 17°49 | 25°35 | 22°43 | 22°37 | 20°10 | 23° 7 | M12 |
| T 13 | 11 40 4 | 26°58'41 | 15°13 | 1°29 | 26°32 | 24°33 | 22°27 | 24°18 | 19°23 | 17°48 | 25°35 | 22°43 | 22°33 | 20°17 | 23°10 | T 13 |
| W14 | 11 44 0 | 27°57'45 | 27°19 | 2°53 | 27°45 | 24°20 | 22°41 | 24°16 | 19°21 | 17°46 | 25°34 | 22°42 | 22°30 | 20°23 | 23°13 | W14 |
| T 15 | 11 47 57 | 28°56'46 | 9♏17 | 4°18 | 28°58 | 24° 8 | 22°56 | 24°15 | 19°19 | 17°44 | 25°33 | 22°41 | 22°27 | 20°30 | 23°16 | T 15 |
| F 16 | 11 51 54 | 29°55'46 | 21°10 | 5°44 | 0♉10 | 23°57 | 23°10 | 24°13 | 19°17 | 17°43 | 25°33 | 22°41 | 22°24 | 20°37 | 23°19 | F 16 |
| S 17 | 11 55 50 | 0♈54'44 | 3♐ 2 | 7°13 | 1°23 | 23°47 | 23°25 | 24°11 | 19°16 | 17°41 | 25°33 | 22°40 | 22°21 | 20°43 | 23°23 | S 17 |
| S 18 | 11 59 47 | 1°53'40 | 14°56 | 8°43 | 2°35 | 23°37 | 23°39 | 24°10 | 19°14 | 17°40 | 25°32 | 22°39 | 22°17 | 20°50 | 23°26 | S 18 |
| M19 | 12 3 43 | 2°52'35 | 26°56 | 10°15 | 3°48 | 23°28 | 23°54 | 24° 8 | 19°12 | 17°38 | 25°32 | 22°38 | 22°14 | 20°57 | 23°29 | M19 |
| T 20 | 12 7 40 | 3°51'27 | 9♑ 6 | 11°48 | 5° 0 | 23°20 | 24° 8 | 24° 6 | 19°11 | 17°36 | 25°31 | 22°D38 | 22°11 | 21° 4 | 23°33 | T 20 |
| W21 | 12 11 36 | 4°50'18 | 21°32 | 13°23 | 6°12 | 23°13 | 24°22 | 24° 4 | 19° 9 | 17°35 | 25°31 | 22°39 | 22° 8 | 21°10 | 23°36 | W21 |
| T 22 | 12 15 33 | 5°49'07 | 4♒18 | 14°59 | 7°25 | 23° 6 | 24°37 | 24° 1 | 19° 7 | 17°33 | 25°31 | 22°40 | 22° 5 | 21°17 | 23°39 | T 22 |
| F 23 | 12 19 29 | 6°47'55 | 17°26 | 16°37 | 8°37 | 23° 0 | 24°51 | 23°59 | 19° 6 | 17°32 | 25°30 | 22°41 | 22° 2 | 21°24 | 23°43 | F 23 |
| S 24 | 12 23 26 | 7°46'40 | 1♓ 0 | 18°17 | 9°49 | 22°55 | 25° 5 | 23°57 | 19° 4 | 17°30 | 25°30 | 22°42 | 21°58 | 21°30 | 23°46 | S 24 |
| S 25 | 12 27 22 | 8°45'23 | 14°58 | 19°58 | 11° 1 | 22°51 | 25°20 | 23°55 | 19° 3 | 17°29 | 25°30 | 22°43 | 21°55 | 21°37 | 23°50 | S 25 |
| M26 | 12 31 19 | 9°44'05 | 29°20 | 21°40 | 12°13 | 22°48 | 25°34 | 23°52 | 19° 2 | 17°27 | 25°30 | 22°R43 | 21°52 | 21°44 | 23°54 | M26 |
| T 27 | 12 35 16 | 10°42'45 | 14♈ 0 | 23°25 | 13°25 | 22°45 | 25°48 | 23°49 | 19° 0 | 17°26 | 25°29 | 22°42 | 21°49 | 21°50 | 23°57 | T 27 |
| W28 | 12 39 12 | 11°41'22 | 28°53 | 25°11 | 14°37 | 22°43 | 26° 2 | 23°47 | 18°59 | 17°24 | 25°29 | 22°40 | 21°46 | 21°57 | 24° 1 | W28 |
| T 29 | 12 43 9 | 12°39'58 | 13♉49 | 26°58 | 15°49 | 22°42 | 26°17 | 23°44 | 18°58 | 17°23 | 25°29 | 22°38 | 21°43 | 22° 4 | 24° 5 | T 29 |
| F 30 | 12 47 5 | 13°38'32 | 28°41 | 28°47 | 17° 0 | 22°D42 | 26°31 | 23°41 | 18°57 | 17°21 | 25°29 | 22°35 | 21°39 | 22°11 | 24° 9 | F 30 |
| S 31 | 12 51 2 | 14♈37'03 | 13♊22 | 0♈38 | 18♉12 | 22♌42 | 26♓45 | 23♏38 | 18♌55 | 17♍20 | 25♋29 | 22♍32 | 21♍36 | 22♏17 | 24♉13 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s54 | 9n42 | 3s31 | 16s26 | 0s46 | 4n17 | 0s29 | 16n 3 | 4n 4 | 5s11 | 1s 7 | 16s53 | 2n10 | 15n41 | 0n46 | 6n 2 | 1n26 | 27n21 | 6n20 | 2n55 | 2n43 | 13s27 | 16n10 | 2s26 |
| F 2 | 5 31 | 13 16 | 4 23 | 16 17 | 0 56 | 4 49 | 0 27 | 16 8 | 4 2 | 5 6 | 1 7 | 16 53 | 2 10 | 15 42 | 0 46 | 6 3 | 1 26 | 27 21 | 6 20 | 2 54 | 2 44 | 13 29 | 16 11 | 2 26 |
| S 3 | 5 7 | 16 0 | 4 59 | 16 7 | 1 5 | 5 20 | 0 24 | 16 13 | 4 0 | 5 0 | 1 7 | 16 53 | 2 10 | 15 43 | 0 46 | 6 3 | 1 26 | 27 21 | 6 20 | 2 54 | 2 46 | 13 30 | 16 11 | 2 26 |
| S 4 | 4 44 | 17 43 | 5 16 | 15 55 | 1 13 | 5 51 | 0 21 | 16 18 | 3 58 | 4 54 | 1 7 | 16 53 | 2 10 | 15 43 | 0 46 | 6 4 | 1 26 | 27 21 | 6 20 | 2 54 | 2 47 | 13 31 | 16 12 | 2 26 |
| M 5 | 4 21 | 18 20 | 5 14 | 15 42 | 1 21 | 6 21 | 0 18 | 16 23 | 3 56 | 4 48 | 1 7 | 16 52 | 2 11 | 15 44 | 0 46 | 6 5 | 1 26 | 27 21 | 6 20 | 2 54 | 2 48 | 13 33 | 16 13 | 2 26 |
| T 6 | 3 57 | 17 51 | 4 54 | 15 27 | 1 29 | 6 52 | 0 16 | 16 27 | 3 54 | 4 43 | 1 7 | 16 52 | 2 11 | 15 45 | 0 46 | 6 5 | 1 26 | 27 21 | 6 20 | 2 54 | 2 49 | 13 34 | 16 14 | 2 26 |
| W 7 | 3 34 | 16 22 | 4 18 | 15 11 | 1 36 | 7 23 | 0 13 | 16 32 | 3 52 | 4 37 | 1 7 | 16 52 | 2 11 | 15 45 | 0 46 | 6 6 | 1 26 | 27 21 | 6 20 | 2 54 | 2 51 | 13 35 | 16 14 | 2 26 |
| T 8 | 3 10 | 14 0 | 3 28 | 14 53 | 1 43 | 7 53 | 0 10 | 16 35 | 3 50 | 4 31 | 1 7 | 16 51 | 2 11 | 15 46 | 0 46 | 6 7 | 1 26 | 27 21 | 6 20 | 2 54 | 2 52 | 13 36 | 16 15 | 2 26 |
| F 9 | 2 47 | 10 57 | 2 28 | 14 33 | 1 49 | 8 23 | 0 7 | 16 39 | 3 48 | 4 25 | 1 7 | 16 51 | 2 11 | 15 47 | 0 46 | 6 7 | 1 26 | 27 21 | 6 20 | 2 54 | 2 53 | 13 38 | 16 16 | 2 26 |
| S 10 | 2 23 | 7 25 | 1 22 | 14 12 | 1 55 | 8 53 | 0 4 | 16 42 | 3 45 | 4 20 | 1 7 | 16 50 | 2 11 | 15 47 | 0 46 | 6 8 | 1 26 | 27 21 | 6 20 | 2 54 | 2 54 | 13 39 | 16 17 | 2 26 |
| S 11 | 2 0 | 3 36 | 0 12 | 13 50 | 2 0 | 9 23 | 0 1 | 16 45 | 3 43 | 4 14 | 1 7 | 16 50 | 2 12 | 15 48 | 0 46 | 6 9 | 1 26 | 27 21 | 6 20 | 2 54 | 2 56 | 13 40 | 16 17 | 2 26 |
| M12 | 1 36 | 0s19 | 0n57 | 13 26 | 2 5 | 9 52 | 0n 2 | 16 48 | 3 41 | 4 8 | 1 7 | 16 50 | 2 12 | 15 49 | 0 46 | 6 9 | 1 26 | 27 21 | 6 20 | 2 54 | 2 57 | 13 42 | 16 18 | 2 26 |
| T 13 | 1 12 | 4 9 | 2 2 | 13 1 | 2 9 | 10 22 | 0 5 | 16 50 | 3 38 | 4 3 | 1 7 | 16 49 | 2 12 | 15 49 | 0 46 | 6 10 | 1 26 | 27 21 | 6 19 | 2 54 | 2 58 | 13 43 | 16 19 | 2 26 |
| W14 | 0 49 | 7 46 | 3 0 | 12 34 | 2 13 | 10 51 | 0 8 | 16 52 | 3 36 | 3 57 | 1 7 | 16 49 | 2 12 | 15 50 | 0 46 | 6 10 | 1 26 | 27 21 | 6 19 | 2 55 | 2 59 | 13 44 | 16 20 | 2 26 |
| T 15 | 0 25 | 11 1 | 3 51 | 12 6 | 2 17 | 11 20 | 0 11 | 16 54 | 3 33 | 3 51 | 1 7 | 16 48 | 2 12 | 15 50 | 0 46 | 6 11 | 1 26 | 27 21 | 6 19 | 2 55 | 3 1 | 13 46 | 16 21 | 2 26 |
| F 16 | 0 2 | 13 48 | 4 30 | 11 37 | 2 20 | 11 48 | 0 14 | 16 55 | 3 31 | 3 45 | 1 7 | 16 48 | 2 12 | 15 51 | 0 46 | 6 12 | 1 26 | 27 21 | 6 19 | 2 55 | 3 2 | 13 47 | 16 21 | 2 26 |
| S 17 | 0n22 | 16 0 | 4 59 | 11 6 | 2 22 | 12 17 | 0 17 | 16 56 | 3 28 | 3 40 | 1 7 | 16 47 | 2 12 | 15 51 | 0 46 | 6 12 | 1 26 | 27 21 | 6 19 | 2 56 | 3 3 | 13 48 | 16 22 | 2 26 |
| S 18 | 0 45 | 17 31 | 5 14 | 10 34 | 2 24 | 12 45 | 0 20 | 16 57 | 3 26 | 3 34 | 1 7 | 16 46 | 2 13 | 15 52 | 0 46 | 6 13 | 1 26 | 27 21 | 6 19 | 2 56 | 3 4 | 13 49 | 16 23 | 2 26 |
| M19 | 1 9 | 18 16 | 5 16 | 10 0 | 2 25 | 13 12 | 0 23 | 16 58 | 3 23 | 3 28 | 1 8 | 16 46 | 2 13 | 15 52 | 0 46 | 6 14 | 1 26 | 27 21 | 6 19 | 2 56 | 3 6 | 13 51 | 16 24 | 2 26 |
| T 20 | 1 33 | 18 12 | 5 4 | 9 25 | 2 26 | 13 40 | 0 26 | 16 58 | 3 20 | 3 23 | 1 8 | 16 45 | 2 13 | 15 53 | 0 46 | 6 14 | 1 26 | 27 21 | 6 19 | 2 56 | 3 7 | 13 52 | 16 25 | 2 26 |
| W21 | 1 56 | 17 16 | 4 38 | 8 49 | 2 26 | 14 7 | 0 29 | 16 58 | 3 18 | 3 17 | 1 8 | 16 45 | 2 13 | 15 53 | 0 46 | 6 15 | 1 26 | 27 21 | 6 19 | 2 56 | 3 8 | 13 53 | 16 26 | 2 25 |
| T 22 | 2 19 | 15 27 | 3 57 | 8 12 | 2 26 | 14 34 | 0 32 | 16 58 | 3 15 | 3 11 | 1 8 | 16 44 | 2 13 | 15 54 | 0 46 | 6 15 | 1 26 | 27 21 | 6 19 | 2 56 | 3 10 | 13 55 | 16 27 | 2 25 |
| F 23 | 2 43 | 12 47 | 3 3 | 7 33 | 2 26 | 15 0 | 0 35 | 16 57 | 3 13 | 3 6 | 1 8 | 16 43 | 2 13 | 15 54 | 0 46 | 6 16 | 1 26 | 27 21 | 6 19 | 2 55 | 3 11 | 13 56 | 16 27 | 2 25 |
| S 24 | 3 6 | 9 21 | 1 57 | 6 53 | 2 25 | 15 26 | 0 38 | 16 56 | 3 10 | 3 0 | 1 8 | 16 43 | 2 13 | 15 55 | 0 46 | 6 17 | 1 26 | 27 21 | 6 19 | 2 55 | 3 12 | 13 57 | 16 28 | 2 25 |
| S 25 | 3 29 | 5 18 | 0 43 | 6 11 | 2 23 | 15 52 | 0 41 | 16 55 | 3 7 | 2 54 | 1 8 | 16 42 | 2 13 | 15 55 | 0 46 | 6 17 | 1 26 | 27 21 | 6 18 | 2 55 | 3 13 | 13 58 | 16 29 | 2 25 |
| M26 | 3 53 | 0 50 | 0s37 | 5 28 | 2 21 | 16 17 | 0 44 | 16 54 | 3 5 | 2 49 | 1 8 | 16 41 | 2 14 | 15 56 | 0 46 | 6 18 | 1 26 | 27 21 | 6 18 | 2 54 | 3 15 | 14 0 | 16 30 | 2 25 |
| T 27 | 4 16 | 3n47 | 1 55 | 4 44 | 2 18 | 16 42 | 0 47 | 16 52 | 3 2 | 2 43 | 1 8 | 16 40 | 2 14 | 15 56 | 0 46 | 6 18 | 1 26 | 27 21 | 6 18 | 2 55 | 3 16 | 14 1 | 16 31 | 2 25 |
| W28 | 4 39 | 8 14 | 3 7 | 3 59 | 2 15 | 17 7 | 0 50 | 16 51 | 3 0 | 2 37 | 1 8 | 16 40 | 2 14 | 15 56 | 0 46 | 6 19 | 1 26 | 27 21 | 6 18 | 2 56 | 3 17 | 14 2 | 16 32 | 2 25 |
| T 29 | 5 2 | 12 10 | 4 6 | 3 13 | 2 11 | 17 31 | 0 53 | 16 48 | 2 57 | 2 32 | 1 8 | 16 39 | 2 14 | 15 57 | 0 46 | 6 20 | 1 26 | 27 21 | 6 18 | 2 56 | 3 18 | 14 4 | 16 33 | 2 25 |
| F 30 | 5 25 | 15 18 | 4 48 | 2 25 | 2 7 | 17 54 | 0 56 | 16 46 | 2 54 | 2 26 | 1 8 | 16 38 | 2 14 | 15 57 | 0 46 | 6 20 | 1 26 | 27 21 | 6 18 | 2 58 | 3 20 | 14 5 | 16 34 | 2 25 |
| S 31 | 5n48 | 17n23 | 5s11 | 1s37 | 2s 2 | 18n18 | 0n59 | 16n43 | 2n52 | 2s20 | 1s 8 | 16s37 | 2n14 | 15n57 | 0n46 | 6n21 | 1n26 | 27n21 | 6n18 | 2n59 | 3n21 | 14s 6 | 16n35 | 2s25 |

Julian Day Number = 2069930.5, Delta T = 28m22s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'44, Lahiri = 9°17'45 Julian Calendar 1 March 955 == Greg. Calendar 6 March 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## APRIL 955 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 54 58 | 15♈35'32 | 27♊45 | 2♈30 | 19♉24 | 22♌44 | 26♓59 | 23°R35 | 18°R54 | 17°R18 | 25°R29 | 22°R31 | 21♍33 | 22♏24 | 24♉16 | S 1 |
| M 2 | 12 58 55 | 16°33'59 | 11♋48 | 4°24 | 20°35 | 22°46 | 27°13 | 23♏32 | 18♌53 | 17♍17 | 25♋29 | 22°D30 | 21°30 | 22°31 | 24°20 | M 2 |
| T 3 | 13 2 51 | 17°32'24 | 25°30 | 6°20 | 21°47 | 22°48 | 27°27 | 23°29 | 18°52 | 17°16 | 25°D29 | 22♍30 | 21°27 | 22°37 | 24°24 | T 3 |
| W 4 | 13 6 48 | 18°30'47 | 8♌52 | 8°17 | 22°58 | 22°52 | 27°41 | 23°26 | 18°51 | 17°14 | 25°29 | 22°31 | 21°23 | 22°44 | 24°28 | W 4 |
| T 5 | 13 10 45 | 19°29'07 | 21°55 | 10°15 | 24° 9 | 22°56 | 27°55 | 23°23 | 18°50 | 17°13 | 25°29 | 22°32 | 21°20 | 22°51 | 24°32 | T 5 |
| F 6 | 13 14 41 | 20°27'25 | 4♍41 | 12°16 | 25°20 | 23° 0 | 28° 9 | 23°20 | 18°50 | 17°12 | 25°29 | 22°34 | 21°17 | 22°57 | 24°36 | F 6 |
| S 7 | 13 18 38 | 21°25'41 | 17°14 | 14°18 | 26°32 | 23° 6 | 28°23 | 23°16 | 18°49 | 17°10 | 25°29 | 22°R35 | 21°14 | 23° 4 | 24°40 | S 7 |
| S 8 | 13 22 34 | 22°23'55 | 29°36 | 16°21 | 27°43 | 23°12 | 28°37 | 23°13 | 18°48 | 17° 9 | 25°29 | 22°35 | 21°11 | 23°11 | 24°45 | S 8 |
| M 9 | 13 26 31 | 23°22'08 | 11♎48 | 18°25 | 28°53 | 23°19 | 28°51 | 23° 9 | 18°47 | 17° 8 | 25°29 | 22°33 | 21° 8 | 23°18 | 24°49 | M 9 |
| T 10 | 13 30 27 | 24°20'18 | 23°52 | 20°31 | 0♊ 4 | 23°26 | 29° 4 | 23° 6 | 18°47 | 17° 6 | 25°29 | 22°30 | 21° 4 | 23°24 | 24°53 | T 10 |
| W11 | 13 34 24 | 25°18'27 | 5♏51 | 22°38 | 1°15 | 23°34 | 29°18 | 23° 2 | 18°46 | 17° 5 | 25°30 | 22°26 | 21° 1 | 23°31 | 24°57 | W11 |
| T 12 | 13 38 20 | 26°16'33 | 17°45 | 24°46 | 2°26 | 23°43 | 29°32 | 22°58 | 18°46 | 17° 4 | 25°30 | 22°20 | 20°58 | 23°38 | 25° 1 | T 12 |
| F 13 | 13 42 17 | 27°14'39 | 29°37 | 26°55 | 3°36 | 23°52 | 29°46 | 22°55 | 18°45 | 17° 3 | 25°30 | 22°14 | 20°55 | 23°44 | 25° 6 | F 13 |
| S 14 | 13 46 14 | 28°12'42 | 11♐29 | 29° 5 | 4°47 | 24° 2 | 29°59 | 22°51 | 18°45 | 17° 2 | 25°30 | 22° 7 | 20°52 | 23°51 | 25°10 | S 14 |
| S 15 | 13 50 10 | 29°10'45 | 23°24 | 1♉14 | 5°57 | 24°12 | 0♈13 | 22°47 | 18°44 | 17° 0 | 25°31 | 22° 2 | 20°48 | 23°58 | 25°14 | S 15 |
| M16 | 13 54 7 | 0♉ 8'45 | 5♑24 | 3°24 | 7° 8 | 24°23 | 0°26 | 22°43 | 18°44 | 16°59 | 25°31 | 21°57 | 20°45 | 24° 5 | 25°19 | M16 |
| T 17 | 13 58 3 | 1° 6'45 | 17°33 | 5°34 | 8°18 | 24°35 | 0°40 | 22°39 | 18°44 | 16°58 | 25°31 | 21°55 | 20°42 | 24°11 | 25°23 | T 17 |
| W18 | 14 2 0 | 2° 4'43 | 29°56 | 7°44 | 9°28 | 24°47 | 0°53 | 22°35 | 18°43 | 16°57 | 25°32 | 21°D54 | 20°39 | 24°18 | 25°27 | W18 |
| T 19 | 14 5 56 | 3° 2'39 | 12♒37 | 9°53 | 10°38 | 25° 0 | 1° 6 | 22°31 | 18°43 | 16°56 | 25°32 | 21°54 | 20°36 | 24°25 | 25°32 | T 19 |
| F 20 | 14 9 53 | 4° 0'35 | 25°40 | 12° 1 | 11°48 | 25°13 | 1°20 | 22°27 | 18°43 | 16°55 | 25°33 | 21°55 | 20°33 | 24°31 | 25°36 | F 20 |
| S 21 | 14 13 49 | 4°58'28 | 9♓ 9 | 14° 7 | 12°58 | 25°27 | 1°33 | 22°23 | 18°43 | 16°54 | 25°33 | 21°57 | 20°29 | 24°38 | 25°41 | S 21 |
| S 22 | 14 17 46 | 5°56'21 | 23° 5 | 16°12 | 14° 7 | 25°41 | 1°46 | 22°19 | 18°D43 | 16°53 | 25°34 | 21°R57 | 20°26 | 24°45 | 25°45 | S 22 |
| M23 | 14 21 43 | 6°54'12 | 7♈28 | 18°15 | 15°17 | 25°56 | 1°59 | 22°15 | 18°43 | 16°52 | 25°34 | 21°56 | 20°23 | 24°52 | 25°50 | M23 |
| T 24 | 14 25 39 | 7°52'02 | 22°16 | 20°17 | 16°27 | 26°11 | 2°12 | 22°10 | 18°43 | 16°51 | 25°35 | 21°53 | 20°20 | 24°58 | 25°54 | T 24 |
| W25 | 14 29 36 | 8°49'51 | 7♉21 | 22°16 | 17°36 | 26°27 | 2°25 | 22° 6 | 18°43 | 16°50 | 25°35 | 21°48 | 20°17 | 25° 5 | 25°59 | W25 |
| T 26 | 14 33 32 | 9°47'38 | 22°35 | 24°12 | 18°45 | 26°43 | 2°38 | 22° 2 | 18°44 | 16°50 | 25°36 | 21°42 | 20°14 | 25°12 | 26° 3 | T 26 |
| F 27 | 14 37 29 | 10°45'24 | 7♊47 | 26° 6 | 19°55 | 27° 0 | 2°51 | 21°58 | 18°44 | 16°49 | 25°36 | 21°34 | 20°10 | 25°18 | 26° 8 | F 27 |
| S 28 | 14 41 25 | 11°43'08 | 22°46 | 27°58 | 21° 4 | 27°17 | 3° 4 | 21°53 | 18°44 | 16°48 | 25°37 | 21°27 | 20° 7 | 25°25 | 26°12 | S 28 |
| S 29 | 14 45 22 | 12°40'50 | 7♋25 | 29°46 | 22°13 | 27°34 | 3°17 | 21°49 | 18°45 | 16°47 | 25°38 | 21°22 | 20° 4 | 25°32 | 26°17 | S 29 |
| M30 | 14 49 18 | 13♉38'31 | 21♋39 | 1♊32 | 23♊22 | 27♌52 | 3♈30 | 21♏45 | 18♌45 | 16♍46 | 25♋38 | 21♍17 | 20♍ 1 | 25♏38 | 26♉22 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n10 | 18n20 | 5s14 | 0s47 | 1s57 | 18n40 | 1n 2 | 16n41 | 2n49 | 2s15 | 1s 8 | 16s36 | 2n14 | 15n58 | 0n46 | 6n21 | 1n26 | 27n21 | 6n18 | 2n59 | 3n22 | 14s 7 | 16n36 | 2s25 |
| M 2 | 6 33 | 18 7 | 4 57 | 0n 4 | 1 51 | 19 3 | 1 5 | 16 38 | 2 47 | 2 9 | 1 8 | 16 36 | 2 14 | 15 58 | 0 46 | 6 22 | 1 26 | 27 21 | 6 18 | 3 0 | 3 23 | 14 9 | 16 37 | 2 25 |
| T 3 | 6 55 | 16 50 | 4 24 | 0 55 | 1 45 | 19 24 | 1 8 | 16 34 | 2 44 | 2 4 | 1 8 | 16 35 | 2 14 | 15 58 | 0 45 | 6 22 | 1 26 | 27 21 | 6 18 | 3 0 | 3 25 | 14 10 | 16 38 | 2 25 |
| W 4 | 7 18 | 14 39 | 3 38 | 1 48 | 1 38 | 19 46 | 1 11 | 16 31 | 2 42 | 1 58 | 1 8 | 16 34 | 2 15 | 15 58 | 0 45 | 6 23 | 1 26 | 27 20 | 6 17 | 2 59 | 3 26 | 14 11 | 16 39 | 2 25 |
| T 5 | 7 40 | 11 45 | 2 41 | 2 42 | 1 31 | 20 7 | 1 14 | 16 27 | 2 39 | 1 53 | 1 9 | 16 33 | 2 15 | 15 59 | 0 45 | 6 23 | 1 26 | 27 20 | 6 17 | 2 59 | 3 27 | 14 12 | 16 40 | 2 25 |
| F 6 | 8 2 | 8 21 | 1 37 | 3 36 | 1 23 | 20 27 | 1 17 | 16 23 | 2 37 | 1 47 | 1 9 | 16 32 | 2 15 | 15 59 | 0 45 | 6 24 | 1 26 | 27 20 | 6 17 | 2 58 | 3 28 | 14 14 | 16 41 | 2 25 |
| S 7 | 8 24 | 4 37 | 0 29 | 4 31 | 1 15 | 20 47 | 1 20 | 16 19 | 2 34 | 1 42 | 1 9 | 16 31 | 2 15 | 15 59 | 0 45 | 6 24 | 1 26 | 27 20 | 6 17 | 2 58 | 3 30 | 14 15 | 16 42 | 2 25 |
| S 8 | 8 46 | 0 45 | 0n38 | 5 27 | 1 6 | 21 6 | 1 23 | 16 15 | 2 32 | 1 36 | 1 9 | 16 30 | 2 15 | 15 59 | 0 45 | 6 25 | 1 25 | 27 20 | 6 17 | 2 58 | 3 31 | 14 16 | 16 43 | 2 25 |
| M 9 | 9 8 | 3s 6 | 1 43 | 6 23 | 0 57 | 21 25 | 1 25 | 16 10 | 2 29 | 1 31 | 1 9 | 16 29 | 2 15 | 16 0 | 0 45 | 6 25 | 1 25 | 27 20 | 6 17 | 2 58 | 3 32 | 14 17 | 16 44 | 2 25 |
| T 10 | 9 29 | 6 48 | 2 43 | 7 19 | 0 48 | 21 43 | 1 28 | 16 5 | 2 27 | 1 25 | 1 9 | 16 28 | 2 15 | 16 0 | 0 45 | 6 26 | 1 25 | 27 20 | 6 17 | 2 59 | 3 33 | 14 19 | 16 45 | 2 25 |
| W11 | 9 51 | 10 10 | 3 34 | 8 16 | 0 38 | 22 0 | 1 31 | 16 0 | 2 24 | 1 20 | 1 9 | 16 27 | 2 15 | 16 0 | 0 45 | 6 26 | 1 25 | 27 20 | 6 17 | 3 1 | 3 35 | 14 20 | 16 46 | 2 25 |
| T 12 | 10 12 | 13 7 | 4 16 | 9 13 | 0 28 | 22 17 | 1 33 | 15 55 | 2 22 | 1 15 | 1 9 | 16 26 | 2 15 | 16 0 | 0 45 | 6 27 | 1 25 | 27 19 | 6 17 | 3 4 | 3 36 | 14 21 | 16 47 | 2 25 |
| F 13 | 10 33 | 15 30 | 4 47 | 10 9 | 0 18 | 22 34 | 1 36 | 15 50 | 2 20 | 1 9 | 1 9 | 16 25 | 2 15 | 16 0 | 0 45 | 6 27 | 1 25 | 27 19 | 6 17 | 3 6 | 3 37 | 14 22 | 16 48 | 2 25 |
| S 14 | 10 54 | 17 15 | 5 5 | 11 6 | 0 7 | 22 50 | 1 39 | 15 44 | 2 17 | 1 4 | 1 9 | 16 24 | 2 15 | 16 0 | 0 45 | 6 28 | 1 25 | 27 19 | 6 16 | 3 9 | 3 38 | 14 24 | 16 49 | 2 25 |
| S 15 | 11 15 | 18 14 | 5 11 | 12 1 | 0n 3 | 23 5 | 1 41 | 15 39 | 2 15 | 0 58 | 1 9 | 16 23 | 2 15 | 16 0 | 0 45 | 6 28 | 1 25 | 27 19 | 6 16 | 3 11 | 3 40 | 14 25 | 16 50 | 2 25 |
| M16 | 11 35 | 18 26 | 5 2 | 12 56 | 0 14 | 23 19 | 1 44 | 15 33 | 2 13 | 0 53 | 1 9 | 16 22 | 2 15 | 16 0 | 0 45 | 6 28 | 1 25 | 27 19 | 6 16 | 3 12 | 3 41 | 14 26 | 16 51 | 2 25 |
| T 17 | 11 56 | 17 47 | 4 40 | 13 50 | 0 25 | 23 33 | 1 46 | 15 27 | 2 10 | 0 48 | 1 10 | 16 21 | 2 15 | 16 0 | 0 45 | 6 29 | 1 25 | 27 19 | 6 16 | 3 14 | 3 42 | 14 27 | 16 52 | 2 25 |
| W18 | 12 16 | 16 17 | 4 5 | 14 43 | 0 35 | 23 47 | 1 48 | 15 21 | 2 8 | 0 43 | 1 10 | 16 20 | 2 15 | 16 0 | 0 45 | 6 29 | 1 25 | 27 18 | 6 16 | 3 14 | 3 44 | 14 29 | 16 53 | 2 25 |
| T 19 | 12 36 | 13 58 | 3 17 | 15 35 | 0 46 | 24 0 | 1 51 | 15 14 | 2 6 | 0 37 | 1 10 | 16 19 | 2 15 | 16 0 | 0 45 | 6 30 | 1 25 | 27 18 | 6 16 | 3 14 | 3 45 | 14 30 | 16 54 | 2 25 |
| F 20 | 12 56 | 10 52 | 2 18 | 16 24 | 0 56 | 24 12 | 1 53 | 15 8 | 2 4 | 0 32 | 1 10 | 16 18 | 2 16 | 16 0 | 0 45 | 6 30 | 1 25 | 27 18 | 6 16 | 3 13 | 3 46 | 14 31 | 16 55 | 2 25 |
| S 21 | 13 15 | 7 7 | 1 9 | 17 12 | 1 6 | 24 23 | 1 55 | 15 1 | 2 2 | 0 27 | 1 10 | 16 17 | 2 16 | 16 0 | 0 45 | 6 30 | 1 25 | 27 18 | 6 16 | 3 13 | 3 47 | 14 32 | 16 56 | 2 25 |
| S 22 | 13 34 | 2 51 | 0s 6 | 17 58 | 1 15 | 24 34 | 1 57 | 14 54 | 1 59 | 0 22 | 1 10 | 16 16 | 2 16 | 16 0 | 0 45 | 6 31 | 1 25 | 27 18 | 6 16 | 3 13 | 3 49 | 14 33 | 16 57 | 2 26 |
| M23 | 13 54 | 1n43 | 1 23 | 18 42 | 1 24 | 24 44 | 1 59 | 14 47 | 1 57 | 0 17 | 1 10 | 16 15 | 2 16 | 16 0 | 0 45 | 6 31 | 1 25 | 27 18 | 6 16 | 3 13 | 3 50 | 14 35 | 16 58 | 2 26 |
| T 24 | 14 13 | 6 18 | 2 36 | 19 24 | 1 32 | 24 53 | 2 1 | 14 40 | 1 55 | 0 12 | 1 10 | 16 14 | 2 16 | 16 0 | 0 45 | 6 31 | 1 25 | 27 17 | 6 16 | 3 14 | 3 51 | 14 36 | 16 59 | 2 26 |
| W25 | 14 31 | 10 34 | 3 40 | 20 3 | 1 40 | 25 2 | 2 3 | 14 32 | 1 53 | 0 6 | 1 10 | 16 13 | 2 16 | 16 0 | 0 45 | 6 32 | 1 25 | 27 17 | 6 15 | 3 16 | 3 52 | 14 37 | 17 0 | 2 26 |
| T 26 | 14 50 | 14 11 | 4 29 | 20 40 | 1 48 | 25 10 | 2 5 | 14 25 | 1 51 | 0 1 | 1 11 | 16 12 | 2 16 | 16 0 | 0 45 | 6 32 | 1 25 | 27 17 | 6 15 | 3 19 | 3 54 | 14 38 | 17 1 | 2 26 |
| F 27 | 15 8 | 16 49 | 4 58 | 21 14 | 1 54 | 25 18 | 2 7 | 14 17 | 1 49 | 0n 4 | 1 11 | 16 10 | 2 16 | 16 0 | 0 45 | 6 32 | 1 25 | 27 17 | 6 15 | 3 22 | 3 55 | 14 40 | 17 2 | 2 26 |
| S 28 | 15 26 | 18 16 | 5 7 | 21 46 | 2 0 | 25 25 | 2 9 | 14 9 | 1 47 | 0 9 | 1 11 | 16 9 | 2 16 | 16 0 | 0 45 | 6 33 | 1 25 | 27 17 | 6 15 | 3 24 | 3 56 | 14 41 | 17 3 | 2 26 |
| S 29 | 15 44 | 18 27 | 4 55 | 22 15 | 2 5 | 25 31 | 2 10 | 14 1 | 1 45 | 0 14 | 1 11 | 16 8 | 2 16 | 16 0 | 0 45 | 6 33 | 1 25 | 27 16 | 6 15 | 3 27 | 3 57 | 14 42 | 17 4 | 2 26 |
| M30 | 16n 1 | 17n27 | 4s25 | 22n42 | 2n10 | 25n36 | 2n12 | 13n53 | 1n43 | 0n19 | 1s11 | 16s 7 | 2n16 | 16n 0 | 0n44 | 6n33 | 1n25 | 27n16 | 6n15 | 3n28 | 3n59 | 14s43 | 17n 5 | 2s26 |

Julian Day Number = 2069961.5, Delta T = 28m21s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'49, Lahiri = 9°17'49 Julian Calendar 1 Apr. 955 == Greg. Calendar 6 Apr. 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## MAY 955 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 53 15 | 14♉36'11 | 5♌26 | 3♊14 | 24♊30 | 28♌11 | 3♈42 | 21°R40 | 18♌45 | 16°R46 | 25♋39 | 21°R15 | 19♍58 | 25♏45 | 26♉26 | T 1 |
| W 2 | 14 57 12 | 15°33'48 | 18°46 | 4°53 | 25°39 | 28°30 | 3°55 | 21♏36 | 18°46 | 16♍45 | 25°40 | 21°D15 | 19°54 | 25°52 | 26°31 | W 2 |
| T 3 | 15 1 8 | 16°31'24 | 1♍43 | 6°30 | 26°47 | 28°49 | 4° 7 | 21°31 | 18°47 | 16°44 | 25°41 | 21♍16 | 19°51 | 25°59 | 26°36 | T 3 |
| F 4 | 15 5 5 | 17°28'59 | 14°20 | 8° 3 | 27°56 | 29° 9 | 4°20 | 21°27 | 18°47 | 16°44 | 25°41 | 21°17 | 19°48 | 26° 5 | 26°40 | F 4 |
| S 5 | 15 9 1 | 18°26'32 | 26°42 | 9°33 | 29° 4 | 29°29 | 4°32 | 21°22 | 18°48 | 16°43 | 25°42 | 21°R17 | 19°45 | 26°12 | 26°45 | S 5 |
| S 6 | 15 12 58 | 19°24'03 | 8♎51 | 10°59 | 0♋12 | 29°50 | 4°44 | 21°18 | 18°49 | 16°42 | 25°43 | 21°15 | 19°42 | 26°19 | 26°50 | S 6 |
| M 7 | 15 16 54 | 20°21'33 | 20°53 | 12°23 | 1°20 | 0♍11 | 4°57 | 21°14 | 18°49 | 16°42 | 25°44 | 21°11 | 19°39 | 26°25 | 26°54 | M 7 |
| T 8 | 15 20 51 | 21°19'02 | 2♏49 | 13°43 | 2°28 | 0°32 | 5° 9 | 21° 9 | 18°50 | 16°41 | 25°45 | 21° 5 | 19°35 | 26°32 | 26°59 | T 8 |
| W 9 | 15 24 47 | 22°16'30 | 14°42 | 14°59 | 3°36 | 0°54 | 5°21 | 21° 5 | 18°51 | 16°41 | 25°46 | 20°56 | 19°32 | 26°39 | 27° 4 | W 9 |
| T 10 | 15 28 44 | 23°13'57 | 26°34 | 16°12 | 4°43 | 1°16 | 5°33 | 21° 0 | 18°52 | 16°40 | 25°47 | 20°45 | 19°29 | 26°46 | 27° 8 | T 10 |
| F 11 | 15 32 40 | 24°11'22 | 8♐27 | 17°22 | 5°50 | 1°38 | 5°45 | 20°56 | 18°53 | 16°40 | 25°48 | 20°33 | 19°26 | 26°52 | 27°13 | F 11 |
| S 12 | 15 36 37 | 25° 8'47 | 20°21 | 18°28 | 6°58 | 2° 1 | 5°56 | 20°51 | 18°54 | 16°40 | 25°49 | 20°22 | 19°23 | 26°59 | 27°18 | S 12 |
| S 13 | 15 40 34 | 26° 6'11 | 2♑19 | 19°31 | 8° 5 | 2°24 | 6° 8 | 20°47 | 18°55 | 16°39 | 25°50 | 20°11 | 19°20 | 27° 6 | 27°22 | S 13 |
| M14 | 15 44 30 | 27° 3'34 | 14°23 | 20°30 | 9°12 | 2°47 | 6°20 | 20°42 | 18°56 | 16°39 | 25°51 | 20° 2 | 19°16 | 27°12 | 27°27 | M14 |
| T 15 | 15 48 27 | 28° 0'56 | 26°35 | 21°25 | 10°18 | 3°11 | 6°31 | 20°38 | 18°58 | 16°39 | 25°52 | 19°55 | 19°13 | 27°19 | 27°32 | T 15 |
| W16 | 15 52 23 | 28°58'18 | 8♒59 | 22°16 | 11°25 | 3°35 | 6°43 | 20°34 | 18°59 | 16°38 | 25°53 | 19°51 | 19°10 | 27°26 | 27°37 | W16 |
| T 17 | 15 56 20 | 29°55'39 | 21°38 | 23° 3 | 12°31 | 3°59 | 6°54 | 20°29 | 19° 0 | 16°38 | 25°54 | 19°50 | 19° 7 | 27°33 | 27°41 | T 17 |
| F 18 | 16 0 16 | 0♊52'59 | 4♓36 | 23°47 | 13°38 | 4°24 | 7° 5 | 20°25 | 19° 1 | 16°38 | 25°55 | 19°D49 | 19° 4 | 27°39 | 27°46 | F 18 |
| S 19 | 16 4 13 | 1°50'19 | 17°58 | 24°26 | 14°44 | 4°49 | 7°16 | 20°21 | 19° 3 | 16°38 | 25°56 | 19°R50 | 19° 0 | 27°46 | 27°51 | S 19 |
| S 20 | 16 8 9 | 2°47'38 | 1♈46 | 25° 1 | 15°49 | 5°14 | 7°28 | 20°16 | 19° 4 | 16°38 | 25°57 | 19°49 | 18°57 | 27°53 | 27°56 | S 20 |
| M21 | 16 12 6 | 3°44'57 | 16° 1 | 25°32 | 16°55 | 5°40 | 7°39 | 20°12 | 19° 6 | 16°38 | 25°58 | 19°47 | 18°54 | 27°59 | 28° 0 | M21 |
| T 22 | 16 16 3 | 4°42'15 | 0♉42 | 25°59 | 18° 1 | 6° 5 | 7°49 | 20° 8 | 19° 7 | 16°37 | 26° 0 | 19°43 | 18°51 | 28° 6 | 28° 5 | T 22 |
| W23 | 16 19 59 | 5°39'33 | 15°45 | 26°21 | 19° 6 | 6°31 | 8° 0 | 20° 4 | 19° 9 | 16°37 | 26° 1 | 19°35 | 18°48 | 28°13 | 28°10 | W23 |
| T 24 | 16 23 56 | 6°36'50 | 1♊ 0 | 26°39 | 20°11 | 6°58 | 8°11 | 19°59 | 19°11 | 16°D37 | 26° 2 | 19°26 | 18°45 | 28°20 | 28°14 | T 24 |
| F 25 | 16 27 52 | 7°34'07 | 16°18 | 26°52 | 21°16 | 7°25 | 8°21 | 19°55 | 19°12 | 16°37 | 26° 3 | 19°16 | 18°41 | 28°26 | 28°19 | F 25 |
| S 26 | 16 31 49 | 8°31'23 | 1♋26 | 27° 1 | 22°21 | 7°51 | 8°32 | 19°51 | 19°14 | 16°37 | 26° 5 | 19° 5 | 18°38 | 28°33 | 28°24 | S 26 |
| S 27 | 16 35 45 | 9°28'39 | 16°16 | 27°R 5 | 23°25 | 8°19 | 8°42 | 19°47 | 19°16 | 16°38 | 26° 6 | 18°56 | 18°35 | 28°40 | 28°28 | S 27 |
| M28 | 16 39 42 | 10°25'54 | 0♌39 | 27° 4 | 24°30 | 8°46 | 8°53 | 19°43 | 19°18 | 16°38 | 26° 7 | 18°49 | 18°32 | 28°46 | 28°33 | M28 |
| T 29 | 16 43 39 | 11°23'08 | 14°33 | 26°59 | 25°34 | 9°14 | 9° 3 | 19°39 | 19°20 | 16°38 | 26° 8 | 18°45 | 18°29 | 28°53 | 28°38 | T 29 |
| W30 | 16 47 35 | 12°20'21 | 27°59 | 26°50 | 26°37 | 9°42 | 9°13 | 19°35 | 19°21 | 16°38 | 26°10 | 18°43 | 18°26 | 29° 0 | 28°42 | W30 |
| T 31 | 16 51 32 | 13♊17'33 | 10♍57 | 26♊36 | 27♋41 | 10♍10 | 9♈23 | 19♏31 | 19♌23 | 16♍38 | 26♋11 | 18♍43 | 18♍22 | 29♏ 7 | 28♉47 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n18 | 15n27 | 3s41 | 23n 6 | 2n14 | 25n41 | 2n13 | 13n45 | 1n41 | 0n24 | 1s11 | 16s 6 | 2n16 | 15n59 | 0n44 | 6n33 | 1n25 | 27n16 | 6n15 | 3n29 | 4n 0 | 14s44 | 17n 6 | 2s26 |
| W 2 | 16 35 | 12 40 | 2 46 | 23 28 | 2 17 | 25 45 | 2 15 | 13 36 | 1 39 | 0 28 | 1 11 | 16 5 | 2 16 | 15 59 | 0 44 | 6 34 | 1 25 | 27 16 | 6 15 | 3 29 | 4 1 | 14 46 | 17 7 | 2 26 |
| T 3 | 16 52 | 9 19 | 1 43 | 23 47 | 2 19 | 25 48 | 2 16 | 13 28 | 1 37 | 0 33 | 1 11 | 16 4 | 2 16 | 15 59 | 0 44 | 6 34 | 1 25 | 27 15 | 6 15 | 3 29 | 4 2 | 14 47 | 17 8 | 2 26 |
| F 4 | 17 9 | 5 38 | 0 37 | 24 4 | 2 20 | 25 51 | 2 17 | 13 19 | 1 35 | 0 38 | 1 12 | 16 3 | 2 15 | 15 59 | 0 44 | 6 34 | 1 25 | 27 15 | 6 15 | 3 29 | 4 4 | 14 48 | 17 9 | 2 26 |
| S 5 | 17 25 | 1 46 | 0n29 | 24 19 | 2 20 | 25 53 | 2 19 | 13 10 | 1 33 | 0 43 | 1 12 | 16 2 | 2 15 | 15 58 | 0 44 | 6 34 | 1 25 | 27 15 | 6 15 | 3 29 | 4 5 | 14 49 | 17 10 | 2 26 |
| S 6 | 17 41 | 2s 7 | 1 33 | 24 32 | 2 20 | 25 54 | 2 20 | 13 1 | 1 31 | 0 48 | 1 12 | 16 0 | 2 15 | 15 58 | 0 44 | 6 34 | 1 25 | 27 15 | 6 14 | 3 29 | 4 6 | 14 50 | 17 11 | 2 26 |
| M 7 | 17 56 | 5 51 | 2 31 | 24 42 | 2 19 | 25 55 | 2 21 | 12 52 | 1 29 | 0 52 | 1 12 | 15 59 | 2 15 | 15 58 | 0 44 | 6 35 | 1 25 | 27 14 | 6 14 | 3 31 | 4 7 | 14 52 | 17 12 | 2 26 |
| T 8 | 18 11 | 9 20 | 3 23 | 24 50 | 2 17 | 25 54 | 2 22 | 12 43 | 1 28 | 0 57 | 1 12 | 15 58 | 2 15 | 15 58 | 0 44 | 6 35 | 1 25 | 27 14 | 6 14 | 3 33 | 4 9 | 14 53 | 17 13 | 2 26 |
| W 9 | 18 26 | 12 26 | 4 5 | 24 56 | 2 14 | 25 54 | 2 22 | 12 33 | 1 26 | 1 2 | 1 12 | 15 57 | 2 15 | 15 57 | 0 44 | 6 35 | 1 25 | 27 14 | 6 14 | 3 37 | 4 10 | 14 54 | 17 14 | 2 26 |
| T 10 | 18 41 | 15 1 | 4 37 | 25 1 | 2 10 | 25 52 | 2 23 | 12 24 | 1 24 | 1 6 | 1 12 | 15 56 | 2 15 | 15 57 | 0 44 | 6 35 | 1 25 | 27 14 | 6 14 | 3 41 | 4 11 | 14 55 | 17 15 | 2 27 |
| F 11 | 18 55 | 16 58 | 4 56 | 25 3 | 2 6 | 25 50 | 2 24 | 12 14 | 1 22 | 1 11 | 1 13 | 15 55 | 2 15 | 15 57 | 0 44 | 6 35 | 1 25 | 27 13 | 6 14 | 3 46 | 4 12 | 14 56 | 17 16 | 2 27 |
| S 12 | 19 9 | 18 11 | 5 3 | 25 4 | 2 1 | 25 47 | 2 24 | 12 4 | 1 21 | 1 16 | 1 13 | 15 54 | 2 15 | 15 56 | 0 44 | 6 35 | 1 24 | 27 13 | 6 14 | 3 50 | 4 14 | 14 58 | 17 17 | 2 27 |
| S 13 | 19 23 | 18 37 | 4 56 | 25 3 | 1 54 | 25 44 | 2 24 | 11 54 | 1 19 | 1 20 | 1 13 | 15 53 | 2 15 | 15 56 | 0 44 | 6 35 | 1 24 | 27 13 | 6 14 | 3 55 | 4 15 | 14 59 | 17 18 | 2 27 |
| M14 | 19 37 | 18 13 | 4 36 | 25 1 | 1 47 | 25 39 | 2 25 | 11 44 | 1 17 | 1 25 | 1 13 | 15 52 | 2 15 | 15 56 | 0 44 | 6 36 | 1 24 | 27 13 | 6 14 | 3 58 | 4 16 | 15 0 | 17 19 | 2 27 |
| T 15 | 19 50 | 16 58 | 4 4 | 24 57 | 1 40 | 25 34 | 2 25 | 11 34 | 1 15 | 1 29 | 1 13 | 15 51 | 2 15 | 15 55 | 0 44 | 6 36 | 1 24 | 27 12 | 6 14 | 4 1 | 4 17 | 15 1 | 17 20 | 2 27 |
| W16 | 20 2 | 14 55 | 3 19 | 24 52 | 1 31 | 25 29 | 2 25 | 11 24 | 1 14 | 1 33 | 1 13 | 15 49 | 2 15 | 15 55 | 0 44 | 6 36 | 1 24 | 27 12 | 6 14 | 4 2 | 4 19 | 15 2 | 17 21 | 2 27 |
| T 17 | 20 15 | 12 6 | 2 24 | 24 45 | 1 22 | 25 23 | 2 25 | 11 13 | 1 12 | 1 38 | 1 14 | 15 48 | 2 15 | 15 54 | 0 44 | 6 36 | 1 24 | 27 12 | 6 14 | 4 3 | 4 20 | 15 3 | 17 22 | 2 27 |
| F 18 | 20 27 | 8 38 | 1 20 | 24 37 | 1 11 | 25 16 | 2 25 | 11 3 | 1 10 | 1 42 | 1 14 | 15 47 | 2 15 | 15 54 | 0 44 | 6 36 | 1 24 | 27 11 | 6 14 | 4 3 | 4 21 | 15 5 | 17 23 | 2 27 |
| S 19 | 20 39 | 4 38 | 0 10 | 24 28 | 1 1 | 25 9 | 2 24 | 10 52 | 1 9 | 1 46 | 1 14 | 15 46 | 2 14 | 15 53 | 0 44 | 6 36 | 1 24 | 27 11 | 6 13 | 4 3 | 4 22 | 15 6 | 17 24 | 2 27 |
| S 20 | 20 50 | 0 15 | 1s 3 | 24 17 | 0 49 | 25 1 | 2 24 | 10 41 | 1 7 | 1 51 | 1 14 | 15 45 | 2 14 | 15 53 | 0 44 | 6 36 | 1 24 | 27 11 | 6 13 | 4 3 | 4 24 | 15 7 | 17 25 | 2 27 |
| M21 | 21 1 | 4n16 | 2 14 | 24 6 | 0 36 | 24 52 | 2 23 | 10 30 | 1 6 | 1 55 | 1 14 | 15 44 | 2 14 | 15 52 | 0 44 | 6 36 | 1 24 | 27 11 | 6 13 | 4 4 | 4 25 | 15 8 | 17 26 | 2 28 |
| T 22 | 21 12 | 8 41 | 3 19 | 23 54 | 0 23 | 24 43 | 2 23 | 10 19 | 1 4 | 1 59 | 1 14 | 15 43 | 2 14 | 15 52 | 0 44 | 6 36 | 1 24 | 27 10 | 6 13 | 4 6 | 4 26 | 15 9 | 17 27 | 2 28 |
| W23 | 21 22 | 12 39 | 4 11 | 23 41 | 0 10 | 24 33 | 2 22 | 10 8 | 1 2 | 2 3 | 1 15 | 15 42 | 2 14 | 15 51 | 0 44 | 6 36 | 1 24 | 27 10 | 6 13 | 4 9 | 4 27 | 15 10 | 17 28 | 2 28 |
| T 24 | 21 32 | 15 49 | 4 46 | 23 27 | 0s 5 | 24 22 | 2 21 | 9 57 | 1 1 | 2 7 | 1 15 | 15 41 | 2 14 | 15 51 | 0 44 | 6 36 | 1 24 | 27 10 | 6 13 | 4 12 | 4 29 | 15 12 | 17 29 | 2 28 |
| F 25 | 21 42 | 17 53 | 5 1 | 23 12 | 0 20 | 24 11 | 2 20 | 9 45 | 0 59 | 2 11 | 1 15 | 15 40 | 2 14 | 15 50 | 0 44 | 6 36 | 1 24 | 27 9 | 6 13 | 4 16 | 4 30 | 15 13 | 17 29 | 2 28 |
| S 26 | 21 51 | 18 40 | 4 54 | 22 57 | 0 35 | 23 59 | 2 19 | 9 34 | 0 58 | 2 15 | 1 15 | 15 39 | 2 14 | 15 50 | 0 44 | 6 36 | 1 24 | 27 9 | 6 13 | 4 20 | 4 31 | 15 14 | 17 30 | 2 28 |
| S 27 | 22 0 | 18 8 | 4 28 | 22 41 | 0 51 | 23 47 | 2 18 | 9 22 | 0 56 | 2 19 | 1 15 | 15 38 | 2 14 | 15 49 | 0 44 | 6 36 | 1 24 | 27 9 | 6 13 | 4 24 | 4 32 | 15 15 | 17 31 | 2 28 |
| M28 | 22 8 | 16 27 | 3 45 | 22 25 | 1 7 | 23 34 | 2 16 | 9 10 | 0 55 | 2 23 | 1 16 | 15 37 | 2 13 | 15 48 | 0 43 | 6 36 | 1 24 | 27 8 | 6 13 | 4 27 | 4 34 | 15 16 | 17 32 | 2 28 |
| T 29 | 22 16 | 13 50 | 2 50 | 22 9 | 1 24 | 23 21 | 2 15 | 8 59 | 0 53 | 2 27 | 1 16 | 15 36 | 2 13 | 15 48 | 0 43 | 6 35 | 1 24 | 27 8 | 6 13 | 4 28 | 4 35 | 15 17 | 17 33 | 2 28 |
| W30 | 22 24 | 10 34 | 1 47 | 21 52 | 1 40 | 23 7 | 2 13 | 8 47 | 0 52 | 2 30 | 1 16 | 15 35 | 2 13 | 15 47 | 0 43 | 6 35 | 1 24 | 27 8 | 6 13 | 4 29 | 4 36 | 15 18 | 17 34 | 2 29 |
| T 31 | 22n31 | 6n52 | 0s41 | 21n35 | 1s57 | 22n53 | 2n11 | 8n35 | 0n50 | 2n34 | 1s16 | 15s35 | 2n13 | 15n46 | 0n43 | 6n35 | 1n24 | 27n 8 | 6n13 | 4n29 | 4n37 | 15s20 | 17n35 | 2s29 |

Julian Day Number = 2069991.5, Delta T = 28m21s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'53, Lahiri = 9°17'53 Julian Calendar 1 May 955 == Greg. Calendar 6 May 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## JUNE 955 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 55 28 | 14♊14'45 | 23♍33 | 26°R19 | 28♋44 | 10♍38 | 9♈32 | 19°R27 | 19♘25 | 16♍39 | 26♋13 | 18°R43 | 18♍19 | 29♏13 | 28♉52 | F 1 |
| S 2 | 16 59 25 | 15°11'56 | 5♎51 | 25♊57 | 29°47 | 11° 7 | 9°42 | 19♏24 | 19°28 | 16°39 | 26°14 | 18♍42 | 18°16 | 29°20 | 28°56 | S 2 |
| S 3 | 17 3 21 | 16° 9'06 | 17°56 | 25°32 | 0♘50 | 11°36 | 9°52 | 19°20 | 19°30 | 16°39 | 26°15 | 18°40 | 18°13 | 29°27 | 29° 1 | S 3 |
| M 4 | 17 7 18 | 17° 6'16 | 29°52 | 25° 5 | 1°53 | 12° 5 | 10° 1 | 19°16 | 19°32 | 16°39 | 26°17 | 18°35 | 18°10 | 29°33 | 29° 5 | M 4 |
| T 5 | 17 11 14 | 18° 3'25 | 11♏45 | 24°34 | 2°55 | 12°34 | 10°11 | 19°13 | 19°34 | 16°40 | 26°18 | 18°27 | 18° 6 | 29°40 | 29°10 | T 5 |
| W 6 | 17 15 11 | 19° 0'34 | 23°36 | 24° 1 | 3°57 | 13° 4 | 10°20 | 19° 9 | 19°36 | 16°40 | 26°20 | 18°17 | 18° 3 | 29°47 | 29°14 | W 6 |
| T 7 | 17 19 8 | 19°57'43 | 5♐28 | 23°27 | 4°58 | 13°34 | 10°29 | 19° 6 | 19°38 | 16°41 | 26°21 | 18° 4 | 18° 0 | 29°54 | 29°19 | T 7 |
| F 8 | 17 23 4 | 20°54'52 | 17°23 | 22°51 | 6° 0 | 14° 4 | 10°38 | 19° 2 | 19°41 | 16°41 | 26°23 | 17°51 | 17°57 | 0♐ 0 | 29°24 | F 8 |
| S 9 | 17 27 1 | 21°52'00 | 29°23 | 22°15 | 7° 1 | 14°34 | 10°47 | 18°59 | 19°43 | 16°42 | 26°24 | 17°37 | 17°54 | 0° 7 | 29°28 | S 9 |
| S 10 | 17 30 57 | 22°49'08 | 11♑28 | 21°40 | 8° 1 | 15° 4 | 10°55 | 18°55 | 19°46 | 16°42 | 26°26 | 17°25 | 17°51 | 0°14 | 29°32 | S 10 |
| M11 | 17 34 54 | 23°46'17 | 23°41 | 21° 5 | 9° 2 | 15°35 | 11° 4 | 18°52 | 19°48 | 16°43 | 26°27 | 17°14 | 17°47 | 0°20 | 29°37 | M11 |
| T 12 | 17 38 50 | 24°43'25 | 6♒ 2 | 20°31 | 10° 2 | 16° 6 | 11°12 | 18°49 | 19°50 | 16°43 | 26°29 | 17° 6 | 17°44 | 0°27 | 29°41 | T 12 |
| W13 | 17 42 47 | 25°40'34 | 18°33 | 19°59 | 11° 1 | 16°37 | 11°21 | 18°46 | 19°53 | 16°44 | 26°30 | 17° 1 | 17°41 | 0°34 | 29°46 | W13 |
| T 14 | 17 46 43 | 26°37'42 | 1♓18 | 19°30 | 12° 1 | 17° 8 | 11°29 | 18°43 | 19°56 | 16°45 | 26°32 | 16°58 | 17°38 | 0°41 | 29°50 | T 14 |
| F 15 | 17 50 40 | 27°34'51 | 14°18 | 19° 4 | 12°59 | 17°39 | 11°37 | 18°40 | 19°58 | 16°45 | 26°33 | 16°D58 | 17°35 | 0°47 | 29°55 | F 15 |
| S 16 | 17 54 37 | 28°32'01 | 27°38 | 18°41 | 13°58 | 18°11 | 11°45 | 18°37 | 20° 1 | 16°46 | 26°35 | 16°R58 | 17°32 | 0°54 | 29°59 | S 16 |
| S 17 | 17 58 33 | 29°29'10 | 11♈19 | 18°22 | 14°56 | 18°43 | 11°53 | 18°34 | 20° 3 | 16°47 | 26°37 | 16°57 | 17°28 | 1° 1 | 0♊ 3 | S 17 |
| M18 | 18 2 30 | 0♋26'21 | 25°24 | 18° 8 | 15°54 | 19°15 | 12° 0 | 18°31 | 20° 6 | 16°48 | 26°38 | 16°55 | 17°25 | 1° 8 | 0° 7 | M18 |
| T 19 | 18 6 26 | 1°23'31 | 9♉52 | 17°58 | 16°51 | 19°47 | 12° 8 | 18°29 | 20° 9 | 16°48 | 26°40 | 16°51 | 17°22 | 1°14 | 0°12 | T 19 |
| W20 | 18 10 23 | 2°20'42 | 24°40 | 17°53 | 17°48 | 20°19 | 12°15 | 18°26 | 20°12 | 16°49 | 26°42 | 16°45 | 17°19 | 1°21 | 0°16 | W20 |
| T 21 | 18 14 19 | 3°17'54 | 9♊41 | 17°D53 | 18°44 | 20°51 | 12°22 | 18°24 | 20°14 | 16°50 | 26°43 | 16°36 | 17°16 | 1°28 | 0°20 | T 21 |
| F 22 | 18 18 16 | 4°15'06 | 24°48 | 17°58 | 19°40 | 21°24 | 12°29 | 18°21 | 20°17 | 16°51 | 26°45 | 16°26 | 17°12 | 1°34 | 0°24 | F 22 |
| S 23 | 18 22 12 | 5°12'19 | 9♋50 | 18° 8 | 20°36 | 21°57 | 12°36 | 18°19 | 20°20 | 16°52 | 26°46 | 16°16 | 17° 9 | 1°41 | 0°28 | S 23 |
| S 24 | 18 26 9 | 6° 9'32 | 24°37 | 18°24 | 21°31 | 22°30 | 12°43 | 18°17 | 20°23 | 16°53 | 26°48 | 16° 7 | 17° 6 | 1°48 | 0°33 | S 24 |
| M25 | 18 30 6 | 7° 6'45 | 9♌ 2 | 18°45 | 22°25 | 23° 3 | 12°50 | 18°14 | 20°26 | 16°54 | 26°50 | 16° 0 | 17° 3 | 1°55 | 0°37 | M25 |
| T 26 | 18 34 2 | 8° 3'58 | 22°59 | 19°12 | 23°19 | 23°36 | 12°56 | 18°12 | 20°29 | 16°55 | 26°52 | 15°56 | 17° 0 | 2° 1 | 0°41 | T 26 |
| W27 | 18 37 59 | 9° 1'12 | 6♍28 | 19°44 | 24°13 | 24°10 | 13° 2 | 18°10 | 20°32 | 16°56 | 26°53 | 15°54 | 16°57 | 2° 8 | 0°45 | W27 |
| T 28 | 18 41 55 | 9°58'26 | 19°31 | 20°22 | 25° 5 | 24°44 | 13° 8 | 18° 8 | 20°35 | 16°57 | 26°55 | 15°D53 | 16°53 | 2°15 | 0°49 | T 28 |
| F 29 | 18 45 52 | 10°55'39 | 2♎ 9 | 21° 5 | 25°57 | 25°17 | 13°14 | 18° 6 | 20°38 | 16°58 | 26°57 | 15°54 | 16°50 | 2°21 | 0°53 | F 29 |
| S 30 | 18 49 48 | 11♋52'54 | 14♎29 | 21♊53 | 26♘49 | 25♍51 | 13♈20 | 18♏ 5 | 20♘41 | 16♍59 | 26♋58 | 15°R54 | 16♍47 | 2♐28 | 0♊57 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n38 | 2n58 | 0n26 | 21n18 | 2s13 | 22n38 | 2n 9 | 8n22 | 0n49 | 2n38 | 1s16 | 15s34 | 2n13 | 15n46 | 0n43 | 6n35 | 1n24 | 27n 7 | 6n13 | 4n29 | 4n39 | 15s21 | 17n36 | 2s29 |
| S 2 | 22 45 | 0s58 | 1 29 | 21 1 | 2 30 | 22 23 | 2 7 | 8 10 | 0 48 | 2 42 | 1 17 | 15 33 | 2 13 | 15 45 | 0 43 | 6 35 | 1 24 | 27 7 | 6 13 | 4 30 | 4 40 | 15 22 | 17 37 | 2 29 |
| S 3 | 22 51 | 4 48 | 2 28 | 20 44 | 2 46 | 22 7 | 2 5 | 7 58 | 0 46 | 2 45 | 1 17 | 15 32 | 2 13 | 15 44 | 0 43 | 6 35 | 1 24 | 27 7 | 6 13 | 4 31 | 4 41 | 15 23 | 17 37 | 2 29 |
| M 4 | 22 57 | 8 23 | 3 19 | 20 28 | 3 1 | 21 51 | 2 3 | 7 45 | 0 45 | 2 49 | 1 17 | 15 31 | 2 12 | 15 44 | 0 43 | 6 35 | 1 24 | 27 6 | 6 13 | 4 33 | 4 42 | 15 24 | 17 38 | 2 29 |
| T 5 | 23 2 | 11 37 | 4 1 | 20 12 | 3 16 | 21 34 | 2 0 | 7 33 | 0 43 | 2 52 | 1 17 | 15 30 | 2 12 | 15 43 | 0 43 | 6 34 | 1 24 | 27 6 | 6 13 | 4 36 | 4 44 | 15 25 | 17 39 | 2 29 |
| W 6 | 23 7 | 14 22 | 4 33 | 19 57 | 3 30 | 21 17 | 1 57 | 7 20 | 0 42 | 2 56 | 1 17 | 15 29 | 2 12 | 15 42 | 0 43 | 6 34 | 1 24 | 27 6 | 6 13 | 4 40 | 4 45 | 15 26 | 17 40 | 2 30 |
| T 7 | 23 11 | 16 32 | 4 53 | 19 42 | 3 42 | 20 59 | 1 55 | 7 7 | 0 41 | 2 59 | 1 18 | 15 29 | 2 12 | 15 41 | 0 43 | 6 34 | 1 24 | 27 5 | 6 13 | 4 44 | 4 46 | 15 27 | 17 41 | 2 30 |
| F 8 | 23 16 | 18 0 | 5 0 | 19 29 | 3 54 | 20 41 | 1 52 | 6 55 | 0 39 | 3 2 | 1 18 | 15 28 | 2 12 | 15 41 | 0 43 | 6 34 | 1 23 | 27 5 | 6 13 | 4 50 | 4 47 | 15 29 | 17 42 | 2 30 |
| S 9 | 23 19 | 18 41 | 4 54 | 19 16 | 4 5 | 20 22 | 1 49 | 6 42 | 0 38 | 3 6 | 1 18 | 15 27 | 2 11 | 15 40 | 0 43 | 6 34 | 1 23 | 27 5 | 6 12 | 4 55 | 4 49 | 15 30 | 17 42 | 2 30 |
| S 10 | 23 23 | 18 31 | 4 34 | 19 5 | 4 14 | 20 3 | 1 45 | 6 29 | 0 37 | 3 9 | 1 18 | 15 26 | 2 11 | 15 39 | 0 43 | 6 33 | 1 23 | 27 4 | 6 12 | 5 0 | 4 50 | 15 31 | 17 43 | 2 30 |
| M11 | 23 25 | 17 30 | 4 2 | 18 55 | 4 22 | 19 44 | 1 42 | 6 15 | 0 35 | 3 12 | 1 18 | 15 26 | 2 11 | 15 38 | 0 43 | 6 33 | 1 23 | 27 4 | 6 12 | 5 4 | 4 51 | 15 32 | 17 44 | 2 30 |
| T 12 | 23 28 | 15 40 | 3 18 | 18 46 | 4 28 | 19 25 | 1 38 | 6 2 | 0 34 | 3 15 | 1 19 | 15 25 | 2 11 | 15 38 | 0 43 | 6 33 | 1 23 | 27 4 | 6 12 | 5 7 | 4 52 | 15 33 | 17 45 | 2 30 |
| W13 | 23 30 | 13 4 | 2 24 | 18 39 | 4 33 | 19 5 | 1 35 | 5 49 | 0 33 | 3 18 | 1 19 | 15 24 | 2 11 | 15 37 | 0 43 | 6 33 | 1 23 | 27 3 | 6 12 | 5 9 | 4 54 | 15 34 | 17 46 | 2 31 |
| T 14 | 23 32 | 9 48 | 1 22 | 18 34 | 4 36 | 18 44 | 1 31 | 5 36 | 0 32 | 3 21 | 1 19 | 15 24 | 2 11 | 15 36 | 0 43 | 6 32 | 1 23 | 27 3 | 6 12 | 5 10 | 4 55 | 15 35 | 17 46 | 2 31 |
| F 15 | 23 33 | 6 0 | 0 14 | 18 30 | 4 38 | 18 24 | 1 27 | 5 22 | 0 30 | 3 24 | 1 19 | 15 23 | 2 10 | 15 35 | 0 43 | 6 32 | 1 23 | 27 3 | 6 12 | 5 11 | 4 56 | 15 36 | 17 47 | 2 31 |
| S 16 | 23 34 | 1 48 | 0s56 | 18 28 | 4 38 | 18 3 | 1 23 | 5 9 | 0 29 | 3 27 | 1 20 | 15 22 | 2 10 | 15 34 | 0 43 | 6 32 | 1 23 | 27 2 | 6 12 | 5 11 | 4 57 | 15 38 | 17 48 | 2 31 |
| S 17 | 23 34 | 2n35 | 2 5 | 18 28 | 4 37 | 17 42 | 1 18 | 4 55 | 0 28 | 3 30 | 1 20 | 15 22 | 2 10 | 15 33 | 0 43 | 6 31 | 1 23 | 27 2 | 6 12 | 5 11 | 4 59 | 15 39 | 17 49 | 2 31 |
| M18 | 23 34 | 6 57 | 3 9 | 18 29 | 4 34 | 17 20 | 1 14 | 4 41 | 0 27 | 3 33 | 1 20 | 15 21 | 2 10 | 15 32 | 0 43 | 6 31 | 1 23 | 27 2 | 6 12 | 5 11 | 5 0 | 15 40 | 17 49 | 2 31 |
| T 19 | 23 34 | 11 2 | 4 2 | 18 32 | 4 30 | 16 58 | 1 9 | 4 27 | 0 25 | 3 35 | 1 20 | 15 21 | 2 10 | 15 31 | 0 43 | 6 31 | 1 23 | 27 1 | 6 12 | 5 13 | 5 1 | 15 41 | 17 50 | 2 32 |
| W20 | 23 33 | 14 31 | 4 40 | 18 37 | 4 25 | 16 36 | 1 4 | 4 14 | 0 24 | 3 38 | 1 21 | 15 20 | 2 9 | 15 31 | 0 43 | 6 30 | 1 23 | 27 1 | 6 12 | 5 16 | 5 2 | 15 42 | 17 51 | 2 32 |
| T 21 | 23 32 | 17 5 | 5 0 | 18 43 | 4 19 | 16 14 | 0 59 | 4 0 | 0 23 | 3 41 | 1 21 | 15 20 | 2 9 | 15 30 | 0 43 | 6 30 | 1 23 | 27 1 | 6 12 | 5 19 | 5 4 | 15 43 | 17 51 | 2 32 |
| F 22 | 23 30 | 18 30 | 4 59 | 18 52 | 4 11 | 15 51 | 0 54 | 3 46 | 0 22 | 3 43 | 1 21 | 15 19 | 2 9 | 15 29 | 0 43 | 6 29 | 1 23 | 27 0 | 6 12 | 5 23 | 5 5 | 15 44 | 17 52 | 2 32 |
| S 23 | 23 28 | 18 36 | 4 37 | 19 1 | 4 2 | 15 29 | 0 49 | 3 32 | 0 21 | 3 46 | 1 21 | 15 19 | 2 9 | 15 28 | 0 43 | 6 29 | 1 23 | 27 0 | 6 12 | 5 27 | 5 6 | 15 45 | 17 53 | 2 32 |
| S 24 | 23 26 | 17 26 | 3 57 | 19 12 | 3 53 | 15 6 | 0 43 | 3 17 | 0 19 | 3 48 | 1 21 | 15 19 | 2 8 | 15 27 | 0 43 | 6 29 | 1 23 | 27 0 | 6 12 | 5 30 | 5 7 | 15 46 | 17 53 | 2 33 |
| M25 | 23 23 | 15 10 | 3 3 | 19 24 | 3 42 | 14 43 | 0 38 | 3 3 | 0 18 | 3 50 | 1 22 | 15 18 | 2 8 | 15 26 | 0 43 | 6 28 | 1 23 | 26 59 | 6 12 | 5 33 | 5 9 | 15 47 | 17 54 | 2 33 |
| T 26 | 23 19 | 12 4 | 1 59 | 19 37 | 3 31 | 14 19 | 0 32 | 2 49 | 0 17 | 3 53 | 1 22 | 15 18 | 2 8 | 15 25 | 0 43 | 6 28 | 1 23 | 26 59 | 6 12 | 5 35 | 5 10 | 15 48 | 17 55 | 2 33 |
| W27 | 23 16 | 8 25 | 0 50 | 19 52 | 3 19 | 13 56 | 0 26 | 2 34 | 0 16 | 3 55 | 1 22 | 15 17 | 2 8 | 15 24 | 0 43 | 6 27 | 1 23 | 26 59 | 6 12 | 5 36 | 5 11 | 15 50 | 17 55 | 2 33 |
| T 28 | 23 12 | 4 28 | 0n19 | 20 7 | 3 7 | 13 32 | 0 20 | 2 20 | 0 15 | 3 57 | 1 22 | 15 17 | 2 8 | 15 23 | 0 43 | 6 27 | 1 23 | 26 58 | 6 12 | 5 36 | 5 12 | 15 51 | 17 56 | 2 33 |
| F 29 | 23 7 | 0 27 | 1 26 | 20 23 | 2 54 | 13 9 | 0 13 | 2 6 | 0 14 | 3 59 | 1 23 | 15 17 | 2 7 | 15 22 | 0 43 | 6 26 | 1 23 | 26 58 | 6 12 | 5 36 | 5 14 | 15 52 | 17 57 | 2 34 |
| S 30 | 23n 2 | 3s30 | 2n26 | 20n39 | 2s41 | 12n45 | 0n 7 | 1n51 | 0n13 | 4n 1 | 1s23 | 15s17 | 2n 7 | 15n21 | 0n43 | 6n26 | 1n23 | 26n58 | 6n13 | 5n35 | 5n15 | 15s53 | 17n57 | 2s34 |

Julian Day Number = 2070022.5, Delta T = 28m20s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°10'57, Lahiri = 9°17'57 Julian Calendar 1 June 955 == Greg. Calendar 6 June 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## JULY 955 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 53 45 | 12♋50'08 | 26♎34 | 22♊46 | 27♌40 | 26♍26 | 13♈26 | 18°R 3 | 20♌44 | 17♍ 1 | 27♋ 0 | 15°R53 | 16♍44 | 2♐35 | 1♊ 0 | S 1 |
| M 2 | 18 57 41 | 13°47'23 | 8♏31 | 23°45 | 28°30 | 27° 0 | 13°31 | 18♏ 2 | 20°48 | 17° 2 | 27° 2 | 15♍50 | 16°41 | 2°42 | 1° 4 | M 2 |
| T 3 | 19 1 38 | 14°44'38 | 20°23 | 24°49 | 29°20 | 27°34 | 13°36 | 18° 0 | 20°51 | 17° 3 | 27° 4 | 15°45 | 16°37 | 2°48 | 1° 8 | T 3 |
| W 4 | 19 5 35 | 15°41'54 | 2♐14 | 25°58 | 0♍ 9 | 28° 9 | 13°42 | 17°59 | 20°54 | 17° 4 | 27° 5 | 15°37 | 16°34 | 2°55 | 1°12 | W 4 |
| T 5 | 19 9 31 | 16°39'10 | 14° 9 | 27°12 | 0°57 | 28°44 | 13°47 | 17°57 | 20°57 | 17° 6 | 27° 7 | 15°28 | 16°31 | 3° 2 | 1°16 | T 5 |
| F 6 | 19 13 28 | 17°36'27 | 26° 9 | 28°31 | 1°44 | 29°19 | 13°51 | 17°56 | 21° 0 | 17° 7 | 27° 9 | 15°17 | 16°28 | 3° 8 | 1°19 | F 6 |
| S 7 | 19 17 24 | 18°33'45 | 8♑17 | 29°54 | 2°30 | 29°54 | 13°56 | 17°55 | 21° 4 | 17° 8 | 27°11 | 15° 7 | 16°25 | 3°15 | 1°23 | S 7 |
| S 8 | 19 21 21 | 19°31'03 | 20°33 | 1♋22 | 3°16 | 0♎29 | 14° 0 | 17°54 | 21° 7 | 17°10 | 27°12 | 14°57 | 16°22 | 3°22 | 1°26 | S 8 |
| M 9 | 19 25 17 | 20°28'23 | 2♒59 | 2°55 | 4° 1 | 1° 4 | 14° 5 | 17°53 | 21°10 | 17°11 | 27°14 | 14°49 | 16°18 | 3°29 | 1°30 | M 9 |
| T 10 | 19 29 14 | 21°25'43 | 15°34 | 4°31 | 4°45 | 1°39 | 14° 9 | 17°52 | 21°14 | 17°12 | 27°16 | 14°43 | 16°15 | 3°35 | 1°33 | T 10 |
| W11 | 19 33 10 | 22°23'04 | 28°21 | 6°12 | 5°27 | 2°15 | 14°13 | 17°52 | 21°17 | 17°14 | 27°18 | 14°40 | 16°12 | 3°42 | 1°37 | W11 |
| T 12 | 19 37 7 | 23°20'26 | 11♓19 | 7°56 | 6° 9 | 2°51 | 14°16 | 17°51 | 21°21 | 17°15 | 27°19 | 14°D38 | 16° 9 | 3°49 | 1°40 | T 12 |
| F 13 | 19 41 4 | 24°17'49 | 24°31 | 9°44 | 6°50 | 3°27 | 14°20 | 17°50 | 21°24 | 17°17 | 27°21 | 14°39 | 16° 6 | 3°56 | 1°44 | F 13 |
| S 14 | 19 45 0 | 25°15'13 | 7♈58 | 11°35 | 7°30 | 4° 3 | 14°23 | 17°50 | 21°27 | 17°18 | 27°23 | 14°40 | 16° 3 | 4° 2 | 1°47 | S 14 |
| S 15 | 19 48 57 | 26°12'39 | 21°40 | 13°29 | 8° 9 | 4°39 | 14°26 | 17°50 | 21°31 | 17°20 | 27°25 | 14°R41 | 15°59 | 4° 9 | 1°50 | S 15 |
| M16 | 19 52 53 | 27°10'06 | 5♉39 | 15°25 | 8°47 | 5°15 | 14°29 | 17°49 | 21°34 | 17°21 | 27°27 | 14°40 | 15°56 | 4°16 | 1°54 | M16 |
| T 17 | 19 56 50 | 28° 7'35 | 19°55 | 17°23 | 9°23 | 5°51 | 14°32 | 17°49 | 21°38 | 17°23 | 27°28 | 14°38 | 15°53 | 4°22 | 1°57 | T 17 |
| W18 | 20 0 46 | 29° 5'05 | 4♊25 | 19°23 | 9°59 | 6°28 | 14°35 | 17°D49 | 21°41 | 17°24 | 27°30 | 14°35 | 15°50 | 4°29 | 2° 0 | W18 |
| T 19 | 20 4 43 | 0♌ 2'36 | 19° 5 | 21°24 | 10°33 | 7° 4 | 14°37 | 17°49 | 21°45 | 17°26 | 27°32 | 14°29 | 15°47 | 4°36 | 2° 3 | T 19 |
| F 20 | 20 8 39 | 1° 0'09 | 3♋50 | 23°26 | 11° 5 | 7°41 | 14°39 | 17°49 | 21°48 | 17°28 | 27°34 | 14°23 | 15°43 | 4°43 | 2° 6 | F 20 |
| S 21 | 20 12 36 | 1°57'43 | 18°31 | 25°29 | 11°37 | 8°18 | 14°41 | 17°49 | 21°52 | 17°29 | 27°35 | 14°16 | 15°40 | 4°49 | 2° 9 | S 21 |
| S 22 | 20 16 33 | 2°55'18 | 3♌ 1 | 27°32 | 12° 7 | 8°55 | 14°43 | 17°50 | 21°56 | 17°31 | 27°37 | 14°11 | 15°37 | 4°56 | 2°12 | S 22 |
| M23 | 20 20 29 | 3°52'55 | 17°14 | 29°36 | 12°35 | 9°32 | 14°45 | 17°50 | 21°59 | 17°33 | 27°39 | 14° 6 | 15°34 | 5° 3 | 2°15 | M23 |
| T 24 | 20 24 26 | 4°50'32 | 1♍ 5 | 1♌39 | 13° 2 | 10°10 | 14°46 | 17°51 | 22° 3 | 17°35 | 27°41 | 14° 4 | 15°31 | 5° 9 | 2°18 | T 24 |
| W25 | 20 28 22 | 5°48'11 | 14°32 | 3°41 | 13°28 | 10°47 | 14°47 | 17°51 | 22° 7 | 17°36 | 27°43 | 14°D 3 | 15°28 | 5°16 | 2°20 | W25 |
| T 26 | 20 32 19 | 6°45'51 | 27°35 | 5°44 | 13°52 | 11°24 | 14°48 | 17°52 | 22°10 | 17°38 | 27°44 | 14° 4 | 15°24 | 5°23 | 2°23 | T 26 |
| F 27 | 20 36 15 | 7°43'32 | 10♎15 | 7°45 | 14°14 | 12° 2 | 14°49 | 17°53 | 22°14 | 17°40 | 27°46 | 14° 5 | 15°21 | 5°30 | 2°26 | F 27 |
| S 28 | 20 40 12 | 8°41'14 | 22°37 | 9°45 | 14°34 | 12°40 | 14°50 | 17°54 | 22°17 | 17°42 | 27°48 | 14° 7 | 15°18 | 5°36 | 2°28 | S 28 |
| S 29 | 20 44 8 | 9°38'57 | 4♏45 | 11°45 | 14°52 | 13°18 | 14°50 | 17°55 | 22°21 | 17°43 | 27°50 | 14°R 8 | 15°15 | 5°43 | 2°31 | S 29 |
| M30 | 20 48 5 | 10°36'42 | 16°43 | 13°43 | 15° 9 | 13°56 | 14°51 | 17°56 | 22°25 | 17°45 | 27°51 | 14° 8 | 15°12 | 5°50 | 2°33 | M30 |
| T 31 | 20 52 2 | 11♌34'27 | 28♏37 | 15♌40 | 15♍24 | 14♎34 | 14°R51 | 17♏57 | 22♌29 | 17♍47 | 27♋53 | 14♍ 6 | 15♍ 9 | 5♐57 | 2♊36 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n57 | 7s13 | 3n19 | 20n56 | 2s27 | 12n21 | 0s 0 | 1n36 | 0n12 | 4n 3 | 1s23 | 15s16 | 2n 7 | 15n20 | 0n43 | 6n25 | 1n23 | 26n58 | 6n13 | 5n36 | 5n16 | 15s54 | 17n58 | 2s34 |
| M 2 | 22 51 | 10 35 | 4 3 | 21 13 | 2 13 | 11 57 | 0 7 | 1 22 | 0 11 | 4 5 | 1 24 | 15 16 | 2 7 | 15 19 | 0 43 | 6 25 | 1 23 | 26 57 | 6 13 | 5 37 | 5 17 | 15 55 | 17 58 | 2 34 |
| T 3 | 22 45 | 13 31 | 4 35 | 21 29 | 1 59 | 11 33 | 0 14 | 1 7 | 0 9 | 4 7 | 1 24 | 15 16 | 2 6 | 15 18 | 0 43 | 6 24 | 1 23 | 26 57 | 6 13 | 5 39 | 5 18 | 15 56 | 17 59 | 2 34 |
| W 4 | 22 39 | 15 53 | 4 56 | 21 46 | 1 45 | 11 9 | 0 21 | 0 52 | 0 8 | 4 9 | 1 24 | 15 16 | 2 6 | 15 17 | 0 42 | 6 24 | 1 23 | 26 57 | 6 13 | 5 42 | 5 20 | 15 57 | 17 59 | 2 35 |
| T 5 | 22 32 | 17 36 | 5 4 | 22 2 | 1 30 | 10 45 | 0 29 | 0 37 | 0 7 | 4 10 | 1 24 | 15 16 | 2 6 | 15 16 | 0 42 | 6 23 | 1 22 | 26 56 | 6 13 | 5 46 | 5 21 | 15 58 | 18 0 | 2 35 |
| F 6 | 22 24 | 18 32 | 4 59 | 22 18 | 1 16 | 10 21 | 0 36 | 0 22 | 0 6 | 4 12 | 1 25 | 15 16 | 2 6 | 15 15 | 0 42 | 6 23 | 1 22 | 26 56 | 6 13 | 5 50 | 5 22 | 15 59 | 18 1 | 2 35 |
| S 7 | 22 17 | 18 39 | 4 40 | 22 32 | 1 2 | 9 57 | 0 44 | 0 7 | 0 5 | 4 13 | 1 25 | 15 15 | 2 5 | 15 14 | 0 42 | 6 22 | 1 22 | 26 56 | 6 13 | 5 54 | 5 23 | 16 0 | 18 1 | 2 35 |
| S 8 | 22 9 | 17 54 | 4 8 | 22 46 | 0 48 | 9 33 | 0 52 | 0s 8 | 0 4 | 4 15 | 1 25 | 15 15 | 2 5 | 15 12 | 0 42 | 6 22 | 1 22 | 26 55 | 6 13 | 5 58 | 5 25 | 16 1 | 18 2 | 2 35 |
| M 9 | 22 0 | 16 17 | 3 24 | 22 58 | 0 34 | 9 9 | 1 0 | 0 23 | 0 3 | 4 16 | 1 25 | 15 15 | 2 5 | 15 11 | 0 42 | 6 21 | 1 22 | 26 55 | 6 13 | 6 1 | 5 26 | 16 2 | 18 2 | 2 36 |
| T 10 | 21 51 | 13 53 | 2 30 | 23 9 | 0 21 | 8 45 | 1 9 | 0 38 | 0 2 | 4 18 | 1 26 | 15 15 | 2 5 | 15 10 | 0 42 | 6 21 | 1 22 | 26 55 | 6 13 | 6 3 | 5 27 | 16 3 | 18 3 | 2 36 |
| W11 | 21 42 | 10 46 | 1 26 | 23 17 | 0 8 | 8 22 | 1 17 | 0 53 | 0 1 | 4 19 | 1 26 | 15 15 | 2 4 | 15 9 | 0 42 | 6 20 | 1 22 | 26 54 | 6 13 | 6 4 | 5 28 | 16 4 | 18 3 | 2 36 |
| T 12 | 21 32 | 7 5 | 0 18 | 23 24 | 0n 4 | 7 58 | 1 26 | 1 8 | 0 0 | 4 20 | 1 26 | 15 15 | 2 4 | 15 8 | 0 42 | 6 19 | 1 22 | 26 54 | 6 13 | 6 5 | 5 30 | 16 5 | 18 3 | 2 36 |
| F 13 | 21 23 | 3 0 | 0s53 | 23 29 | 0 16 | 7 35 | 1 35 | 1 23 | 0s 1 | 4 21 | 1 26 | 15 16 | 2 4 | 15 7 | 0 42 | 6 19 | 1 22 | 26 54 | 6 13 | 6 5 | 5 31 | 16 6 | 18 4 | 2 37 |
| S 14 | 21 12 | 1n18 | 2 2 | 23 31 | 0 28 | 7 11 | 1 44 | 1 39 | 0 2 | 4 22 | 1 27 | 15 16 | 2 4 | 15 6 | 0 42 | 6 18 | 1 22 | 26 53 | 6 13 | 6 4 | 5 32 | 16 8 | 18 4 | 2 37 |
| S 15 | 21 2 | 5 37 | 3 6 | 23 31 | 0 38 | 6 48 | 1 54 | 1 54 | 0 3 | 4 23 | 1 27 | 15 16 | 2 3 | 15 5 | 0 42 | 6 18 | 1 22 | 26 53 | 6 13 | 6 4 | 5 33 | 16 9 | 18 5 | 2 37 |
| M16 | 20 50 | 9 42 | 4 0 | 23 29 | 0 48 | 6 25 | 2 3 | 2 9 | 0 4 | 4 24 | 1 27 | 15 16 | 2 3 | 15 4 | 0 42 | 6 17 | 1 22 | 26 53 | 6 13 | 6 4 | 5 35 | 16 10 | 18 5 | 2 37 |
| T 17 | 20 39 | 13 19 | 4 40 | 23 23 | 0 58 | 6 2 | 2 13 | 2 25 | 0 5 | 4 25 | 1 28 | 15 16 | 2 3 | 15 2 | 0 42 | 6 16 | 1 22 | 26 53 | 6 13 | 6 5 | 5 36 | 16 11 | 18 6 | 2 38 |
| W18 | 20 27 | 16 10 | 5 4 | 23 15 | 1 6 | 5 40 | 2 23 | 2 40 | 0 6 | 4 26 | 1 28 | 15 16 | 2 3 | 15 1 | 0 42 | 6 16 | 1 22 | 26 52 | 6 13 | 6 6 | 5 37 | 16 12 | 18 6 | 2 38 |
| T 19 | 20 15 | 18 1 | 5 7 | 23 4 | 1 14 | 5 18 | 2 33 | 2 56 | 0 7 | 4 26 | 1 28 | 15 17 | 2 2 | 15 0 | 0 42 | 6 15 | 1 22 | 26 52 | 6 14 | 6 8 | 5 38 | 16 13 | 18 6 | 2 38 |
| F 20 | 20 3 | 18 40 | 4 51 | 22 51 | 1 21 | 4 56 | 2 43 | 3 11 | 0 8 | 4 27 | 1 28 | 15 17 | 2 2 | 14 59 | 0 42 | 6 14 | 1 22 | 26 52 | 6 14 | 6 11 | 5 40 | 16 14 | 18 7 | 2 38 |
| S 21 | 19 50 | 18 4 | 4 16 | 22 35 | 1 27 | 4 34 | 2 54 | 3 26 | 0 9 | 4 28 | 1 29 | 15 17 | 2 2 | 14 58 | 0 42 | 6 14 | 1 22 | 26 51 | 6 14 | 6 13 | 5 41 | 16 15 | 18 7 | 2 39 |
| S 22 | 19 37 | 16 17 | 3 24 | 22 16 | 1 32 | 4 13 | 3 4 | 3 42 | 0 10 | 4 28 | 1 29 | 15 18 | 2 2 | 14 57 | 0 42 | 6 13 | 1 22 | 26 51 | 6 14 | 6 16 | 5 42 | 16 16 | 18 7 | 2 39 |
| M23 | 19 23 | 13 32 | 2 20 | 21 55 | 1 36 | 3 52 | 3 15 | 3 58 | 0 10 | 4 28 | 1 29 | 15 18 | 2 1 | 14 55 | 0 42 | 6 12 | 1 22 | 26 51 | 6 14 | 6 17 | 5 43 | 16 17 | 18 8 | 2 39 |
| T 24 | 19 10 | 10 4 | 1 10 | 21 31 | 1 40 | 3 32 | 3 26 | 4 13 | 0 11 | 4 29 | 1 29 | 15 18 | 2 1 | 14 54 | 0 42 | 6 12 | 1 22 | 26 51 | 6 14 | 6 18 | 5 44 | 16 18 | 18 8 | 2 39 |
| W25 | 18 56 | 6 10 | 0n 3 | 21 6 | 1 43 | 3 12 | 3 37 | 4 29 | 0 12 | 4 29 | 1 30 | 15 19 | 2 1 | 14 53 | 0 42 | 6 11 | 1 22 | 26 50 | 6 14 | 6 18 | 5 46 | 16 19 | 18 8 | 2 40 |
| T 26 | 18 41 | 2 5 | 1 13 | 20 38 | 1 45 | 2 52 | 3 48 | 4 44 | 0 13 | 4 29 | 1 30 | 15 19 | 2 1 | 14 52 | 0 42 | 6 10 | 1 22 | 26 50 | 6 14 | 6 18 | 5 47 | 16 20 | 18 9 | 2 40 |
| F 27 | 18 26 | 1s58 | 2 18 | 20 8 | 1 46 | 2 33 | 4 0 | 5 0 | 0 14 | 4 29 | 1 30 | 15 20 | 2 0 | 14 51 | 0 42 | 6 9 | 1 22 | 26 50 | 6 14 | 6 18 | 5 48 | 16 21 | 18 9 | 2 40 |
| S 28 | 18 11 | 5 50 | 3 15 | 19 37 | 1 46 | 2 15 | 4 11 | 5 16 | 0 15 | 4 29 | 1 31 | 15 20 | 2 0 | 14 49 | 0 42 | 6 9 | 1 22 | 26 49 | 6 14 | 6 17 | 5 49 | 16 22 | 18 9 | 2 40 |
| S 29 | 17 56 | 9 23 | 4 2 | 19 4 | 1 46 | 1 57 | 4 23 | 5 31 | 0 16 | 4 29 | 1 31 | 15 21 | 2 0 | 14 48 | 0 42 | 6 8 | 1 22 | 26 49 | 6 14 | 6 17 | 5 51 | 16 23 | 18 9 | 2 41 |
| M30 | 17 40 | 12 30 | 4 37 | 18 29 | 1 46 | 1 40 | 4 35 | 5 47 | 0 17 | 4 29 | 1 31 | 15 21 | 2 0 | 14 47 | 0 42 | 6 7 | 1 22 | 26 49 | 6 15 | 6 17 | 5 52 | 16 24 | 18 9 | 2 41 |
| T 31 | 17n24 | 15s 4 | 5n 1 | 17n53 | 1n44 | 1n23 | 4s47 | 6s 2 | 0s18 | 4n29 | 1s31 | 15s22 | 1n59 | 14n46 | 0n42 | 6n 6 | 1n22 | 26n49 | 6n15 | 6n17 | 5n53 | 16s25 | 18n10 | 2s41 |

Julian Day Number = 2070052.5, Delta T = 28m20s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'01, Lahiri = 9°18'02 Julian Calendar 1 July 955 == Greg. Calendar 6 July 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## AUGUST 955 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 55 58 | 12♌32'14 | 10♐30 | 17♌36 | 15♍36 | 15♎12 | 14°R51 | 17♏58 | 22♌32 | 17♍49 | 27♋55 | 14°R 4 | 15♍ 5 | 6♐ 3 | 2♊38 | W 1 |
| T 2 | 20 59 55 | 13°30'02 | 22°27 | 19°30 | 15°47 | 15°50 | 14♈50 | 18° 0 | 22°36 | 17°51 | 27°57 | 14♍ 0 | 15° 2 | 6°10 | 2°41 | T 2 |
| F 3 | 21 3 51 | 14°27'52 | 4♑32 | 21°23 | 15°55 | 16°29 | 14°50 | 18° 1 | 22°40 | 17°53 | 27°58 | 13°55 | 14°59 | 6°17 | 2°43 | F 3 |
| S 4 | 21 7 48 | 15°25'43 | 16°46 | 23°15 | 16° 2 | 17° 7 | 14°49 | 18° 3 | 22°43 | 17°55 | 28° 0 | 13°50 | 14°56 | 6°23 | 2°45 | S 4 |
| S 5 | 21 11 44 | 16°23'35 | 29°14 | 25° 6 | 16° 6 | 17°46 | 14°48 | 18° 5 | 22°47 | 17°57 | 28° 2 | 13°45 | 14°53 | 6°30 | 2°47 | S 5 |
| M 6 | 21 15 41 | 17°21'29 | 11♒54 | 26°55 | 16°R 7 | 18°25 | 14°47 | 18° 6 | 22°51 | 17°59 | 28° 3 | 13°42 | 14°49 | 6°37 | 2°49 | M 6 |
| T 7 | 21 19 37 | 18°19'24 | 24°48 | 28°43 | 16° 7 | 19° 4 | 14°45 | 18° 8 | 22°55 | 18° 1 | 28° 5 | 13°39 | 14°46 | 6°44 | 2°51 | T 7 |
| W 8 | 21 23 34 | 19°17'21 | 7♓56 | 0♍30 | 16° 4 | 19°43 | 14°44 | 18°10 | 22°58 | 18° 3 | 28° 7 | 13°D38 | 14°43 | 6°50 | 2°53 | W 8 |
| T 9 | 21 27 31 | 20°15'19 | 21°17 | 2°15 | 15°59 | 20°22 | 14°42 | 18°12 | 23° 2 | 18° 5 | 28° 8 | 13°38 | 14°40 | 6°57 | 2°55 | T 9 |
| F 10 | 21 31 27 | 21°13'20 | 4♈50 | 3°59 | 15°51 | 21° 1 | 14°40 | 18°14 | 23° 6 | 18° 7 | 28°10 | 13°39 | 14°37 | 7° 4 | 2°57 | F 10 |
| S 11 | 21 35 24 | 22°11'22 | 18°34 | 5°42 | 15°41 | 21°40 | 14°38 | 18°17 | 23°10 | 18° 9 | 28°12 | 13°41 | 14°34 | 7°10 | 2°59 | S 11 |
| S 12 | 21 39 20 | 23° 9'26 | 2♉28 | 7°24 | 15°29 | 22°20 | 14°36 | 18°19 | 23°13 | 18°11 | 28°13 | 13°42 | 14°30 | 7°17 | 3° 1 | S 12 |
| M13 | 21 43 17 | 24° 7'33 | 16°31 | 9° 4 | 15°14 | 22°59 | 14°33 | 18°21 | 23°17 | 18°13 | 28°15 | 13°43 | 14°27 | 7°24 | 3° 2 | M13 |
| T 14 | 21 47 13 | 25° 5'41 | 0♊43 | 10°43 | 14°57 | 23°39 | 14°31 | 18°24 | 23°21 | 18°15 | 28°17 | 13°R43 | 14°24 | 7°31 | 3° 4 | T 14 |
| W15 | 21 51 10 | 26° 3'52 | 14°59 | 12°21 | 14°38 | 24°19 | 14°28 | 18°26 | 23°25 | 18°17 | 28°18 | 13°42 | 14°21 | 7°37 | 3° 5 | W15 |
| T 16 | 21 55 6 | 27° 2'04 | 29°18 | 13°57 | 14°16 | 24°58 | 14°25 | 18°29 | 23°28 | 18°19 | 28°20 | 13°41 | 14°18 | 7°44 | 3° 7 | T 16 |
| F 17 | 21 59 3 | 28° 0'19 | 13♋37 | 15°33 | 13°52 | 25°38 | 14°21 | 18°32 | 23°32 | 18°21 | 28°22 | 13°39 | 14°15 | 7°51 | 3° 8 | F 17 |
| S 18 | 22 3 0 | 28°58'36 | 27°50 | 17° 7 | 13°27 | 26°18 | 14°18 | 18°35 | 23°36 | 18°23 | 28°23 | 13°37 | 14°11 | 7°58 | 3° 9 | S 18 |
| S 19 | 22 6 56 | 29°56'55 | 11♌54 | 18°40 | 12°59 | 26°58 | 14°14 | 18°38 | 23°40 | 18°26 | 28°25 | 13°35 | 14° 8 | 8° 4 | 3°11 | S 19 |
| M20 | 22 10 53 | 0♍55'15 | 25°45 | 20°12 | 12°30 | 27°39 | 14°10 | 18°41 | 23°43 | 18°28 | 28°26 | 13°34 | 14° 5 | 8°11 | 3°12 | M20 |
| T 21 | 22 14 49 | 1°53'38 | 9♍19 | 21°43 | 11°59 | 28°19 | 14° 6 | 18°44 | 23°47 | 18°30 | 28°28 | 13°D33 | 14° 2 | 8°18 | 3°13 | T 21 |
| W22 | 22 18 46 | 2°52'02 | 22°35 | 23°13 | 11°26 | 29° 0 | 14° 2 | 18°47 | 23°51 | 18°32 | 28°29 | 13°34 | 13°59 | 8°24 | 3°14 | W22 |
| T 23 | 22 22 42 | 3°50'28 | 5♎31 | 24°41 | 10°53 | 29°40 | 13°58 | 18°50 | 23°55 | 18°34 | 28°31 | 13°34 | 13°55 | 8°31 | 3°15 | T 23 |
| F 24 | 22 26 39 | 4°48'56 | 18° 9 | 26° 8 | 10°18 | 0♏21 | 13°53 | 18°54 | 23°58 | 18°36 | 28°32 | 13°35 | 13°52 | 8°38 | 3°16 | F 24 |
| S 25 | 22 30 35 | 5°47'26 | 0♏31 | 27°34 | 9°42 | 1° 1 | 13°48 | 18°57 | 24° 2 | 18°39 | 28°34 | 13°36 | 13°49 | 8°45 | 3°17 | S 25 |
| S 26 | 22 34 32 | 6°45'57 | 12°39 | 28°59 | 9° 6 | 1°42 | 13°43 | 19° 1 | 24° 6 | 18°41 | 28°35 | 13°36 | 13°46 | 8°51 | 3°17 | S 26 |
| M27 | 22 38 28 | 7°44'30 | 24°38 | 0♎23 | 8°29 | 2°23 | 13°38 | 19° 4 | 24° 9 | 18°43 | 28°37 | 13°37 | 13°43 | 8°58 | 3°18 | M27 |
| T 28 | 22 42 25 | 8°43'05 | 6♐32 | 1°45 | 7°52 | 3° 4 | 13°33 | 19° 8 | 24°13 | 18°45 | 28°38 | 13°R37 | 13°40 | 9° 5 | 3°19 | T 28 |
| W29 | 22 46 22 | 9°41'42 | 18°26 | 3° 6 | 7°15 | 3°45 | 13°28 | 19°12 | 24°17 | 18°47 | 28°40 | 13°37 | 13°36 | 9°11 | 3°19 | W29 |
| T 30 | 22 50 18 | 10°40'20 | 0♑24 | 4°26 | 6°39 | 4°27 | 13°22 | 19°16 | 24°20 | 18°50 | 28°41 | 13°37 | 13°33 | 9°18 | 3°20 | T 30 |
| F 31 | 22 54 15 | 11♍39'00 | 12♑30 | 5♎44 | 6♍ 3 | 5♏ 8 | 13♈16 | 19♏20 | 24♌24 | 18♍52 | 28♋42 | 13♍37 | 13♍30 | 9♐25 | 3♊20 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n 8 | 17s 0 | 5n12 | 17n16 | 1n43 | 1n 7 | 4s59 | 6s18 | 0s18 | 4n28 | 1s32 | 15s22 | 1n59 | 14n45 | 0n42 | 6n 6 | 1n22 | 26n48 | 6n15 | 6n18 | 5n54 | 16s26 | 18n10 | 2s41 |
| T 2 | 16 52 | 18 13 | 5 9 | 16 38 | 1 40 | 0 52 | 5 11 | 6 34 | 0 19 | 4 28 | 1 32 | 15 23 | 1 59 | 14 43 | 0 42 | 6 5 | 1 22 | 26 48 | 6 15 | 6 20 | 5 56 | 16 27 | 18 10 | 2 42 |
| F 3 | 16 35 | 18 37 | 4 52 | 15 59 | 1 37 | 0 38 | 5 23 | 6 49 | 0 20 | 4 27 | 1 32 | 15 24 | 1 59 | 14 42 | 0 42 | 6 4 | 1 22 | 26 48 | 6 15 | 6 22 | 5 57 | 16 28 | 18 10 | 2 42 |
| S 4 | 16 18 | 18 10 | 4 23 | 15 19 | 1 34 | 0 24 | 5 35 | 7 5 | 0 21 | 4 27 | 1 32 | 15 24 | 1 58 | 14 41 | 0 42 | 6 3 | 1 22 | 26 48 | 6 15 | 6 24 | 5 58 | 16 29 | 18 10 | 2 42 |
| S 5 | 16 1 | 16 51 | 3 40 | 14 38 | 1 30 | 0 11 | 5 47 | 7 21 | 0 22 | 4 26 | 1 33 | 15 25 | 1 58 | 14 40 | 0 42 | 6 3 | 1 22 | 26 47 | 6 15 | 6 25 | 5 59 | 16 30 | 18 11 | 2 43 |
| M 6 | 15 43 | 14 40 | 2 45 | 13 57 | 1 26 | 0s 0 | 5 59 | 7 36 | 0 23 | 4 26 | 1 33 | 15 26 | 1 58 | 14 38 | 0 42 | 6 2 | 1 22 | 26 47 | 6 15 | 6 27 | 6 1 | 16 31 | 18 11 | 2 43 |
| T 7 | 15 25 | 11 44 | 1 42 | 13 15 | 1 21 | 0 11 | 6 11 | 7 52 | 0 23 | 4 25 | 1 33 | 15 27 | 1 58 | 14 37 | 0 42 | 6 1 | 1 22 | 26 47 | 6 15 | 6 28 | 6 2 | 16 32 | 18 11 | 2 43 |
| W 8 | 15 7 | 8 9 | 0 31 | 12 33 | 1 16 | 0 21 | 6 22 | 8 7 | 0 24 | 4 24 | 1 33 | 15 27 | 1 58 | 14 36 | 0 42 | 6 0 | 1 22 | 26 47 | 6 16 | 6 28 | 6 3 | 16 33 | 18 11 | 2 43 |
| T 9 | 14 49 | 4 7 | 0s42 | 11 50 | 1 11 | 0 30 | 6 34 | 8 23 | 0 25 | 4 23 | 1 34 | 15 28 | 1 57 | 14 35 | 0 42 | 5 59 | 1 22 | 26 47 | 6 16 | 6 28 | 6 4 | 16 34 | 18 11 | 2 44 |
| F 10 | 14 30 | 0n11 | 1 54 | 11 7 | 1 6 | 0 37 | 6 46 | 8 39 | 0 26 | 4 22 | 1 34 | 15 29 | 1 57 | 14 33 | 0 42 | 5 59 | 1 22 | 26 46 | 6 16 | 6 28 | 6 5 | 16 35 | 18 11 | 2 44 |
| S 11 | 14 11 | 4 32 | 3 1 | 10 24 | 1 0 | 0 44 | 6 57 | 8 54 | 0 27 | 4 21 | 1 34 | 15 30 | 1 57 | 14 32 | 0 42 | 5 58 | 1 22 | 26 46 | 6 16 | 6 27 | 6 7 | 16 36 | 18 11 | 2 44 |
| S 12 | 13 52 | 8 41 | 3 57 | 9 40 | 0 54 | 0 49 | 7 8 | 9 10 | 0 27 | 4 20 | 1 35 | 15 31 | 1 57 | 14 31 | 0 42 | 5 57 | 1 22 | 26 46 | 6 16 | 6 27 | 6 8 | 16 37 | 18 11 | 2 45 |
| M13 | 13 33 | 12 23 | 4 41 | 8 57 | 0 47 | 0 53 | 7 18 | 9 25 | 0 28 | 4 19 | 1 35 | 15 32 | 1 56 | 14 30 | 0 42 | 5 56 | 1 22 | 26 46 | 6 16 | 6 26 | 6 9 | 16 38 | 18 11 | 2 45 |
| T 14 | 13 14 | 15 24 | 5 7 | 8 13 | 0 41 | 0 56 | 7 29 | 9 41 | 0 29 | 4 17 | 1 35 | 15 32 | 1 56 | 14 28 | 0 42 | 5 55 | 1 22 | 26 46 | 6 16 | 6 26 | 6 10 | 16 39 | 18 11 | 2 45 |
| W15 | 12 54 | 17 30 | 5 15 | 7 29 | 0 34 | 0 58 | 7 39 | 9 56 | 0 30 | 4 16 | 1 35 | 15 33 | 1 56 | 14 27 | 0 42 | 5 54 | 1 22 | 26 45 | 6 17 | 6 27 | 6 12 | 16 40 | 18 11 | 2 45 |
| T 16 | 12 34 | 18 30 | 5 4 | 6 45 | 0 27 | 0 58 | 7 48 | 10 11 | 0 30 | 4 15 | 1 35 | 15 34 | 1 56 | 14 26 | 0 42 | 5 54 | 1 22 | 26 45 | 6 17 | 6 27 | 6 13 | 16 41 | 18 11 | 2 46 |
| F 17 | 12 14 | 18 20 | 4 34 | 6 2 | 0 20 | 0 57 | 7 57 | 10 27 | 0 31 | 4 13 | 1 36 | 15 35 | 1 55 | 14 25 | 0 42 | 5 53 | 1 22 | 26 45 | 6 17 | 6 28 | 6 14 | 16 41 | 18 11 | 2 46 |
| S 18 | 11 54 | 17 1 | 3 47 | 5 18 | 0 12 | 0 55 | 8 5 | 10 42 | 0 32 | 4 12 | 1 36 | 15 36 | 1 55 | 14 24 | 0 42 | 5 52 | 1 22 | 26 45 | 6 17 | 6 29 | 6 15 | 16 42 | 18 11 | 2 46 |
| S 19 | 11 33 | 14 39 | 2 46 | 4 35 | 0 5 | 0 52 | 8 13 | 10 57 | 0 33 | 4 10 | 1 36 | 15 37 | 1 55 | 14 22 | 0 42 | 5 51 | 1 22 | 26 45 | 6 17 | 6 29 | 6 17 | 16 43 | 18 11 | 2 47 |
| M20 | 11 12 | 11 29 | 1 37 | 3 52 | 0s 3 | 0 47 | 8 20 | 11 13 | 0 33 | 4 8 | 1 36 | 15 38 | 1 55 | 14 21 | 0 42 | 5 50 | 1 22 | 26 44 | 6 17 | 6 30 | 6 18 | 16 44 | 18 11 | 2 47 |
| T 21 | 10 52 | 7 45 | 0 23 | 3 9 | 0 10 | 0 41 | 8 26 | 11 28 | 0 34 | 4 7 | 1 37 | 15 40 | 1 54 | 14 20 | 0 42 | 5 49 | 1 22 | 26 44 | 6 18 | 6 30 | 6 19 | 16 45 | 18 11 | 2 47 |
| W22 | 10 31 | 3 43 | 0n50 | 2 26 | 0 18 | 0 34 | 8 31 | 11 43 | 0 35 | 4 5 | 1 37 | 15 41 | 1 54 | 14 19 | 0 42 | 5 49 | 1 22 | 26 44 | 6 18 | 6 30 | 6 20 | 16 46 | 18 11 | 2 47 |
| T 23 | 10 9 | 0s23 | 1 59 | 1 43 | 0 26 | 0 26 | 8 36 | 11 58 | 0 36 | 4 3 | 1 37 | 15 42 | 1 54 | 14 17 | 0 42 | 5 48 | 1 22 | 26 44 | 6 18 | 6 30 | 6 21 | 16 47 | 18 11 | 2 48 |
| F 24 | 9 48 | 4 23 | 3 0 | 1 1 | 0 34 | 0 16 | 8 39 | 12 13 | 0 36 | 4 1 | 1 37 | 15 43 | 1 54 | 14 16 | 0 42 | 5 47 | 1 22 | 26 44 | 6 18 | 6 29 | 6 23 | 16 48 | 18 11 | 2 48 |
| S 25 | 9 26 | 8 6 | 3 52 | 0 20 | 0 42 | 0 5 | 8 42 | 12 28 | 0 37 | 3 59 | 1 37 | 15 44 | 1 54 | 14 15 | 0 42 | 5 46 | 1 22 | 26 44 | 6 18 | 6 29 | 6 24 | 16 49 | 18 10 | 2 48 |
| S 26 | 9 5 | 11 24 | 4 32 | 0s21 | 0 50 | 0n 6 | 8 44 | 12 43 | 0 38 | 3 57 | 1 38 | 15 45 | 1 53 | 14 14 | 0 42 | 5 45 | 1 22 | 26 43 | 6 18 | 6 29 | 6 25 | 16 50 | 18 10 | 2 49 |
| M27 | 8 43 | 14 11 | 5 0 | 1 2 | 0 58 | 0 19 | 8 45 | 12 58 | 0 38 | 3 54 | 1 38 | 15 46 | 1 53 | 14 12 | 0 42 | 5 44 | 1 22 | 26 43 | 6 19 | 6 29 | 6 26 | 16 51 | 18 10 | 2 49 |
| T 28 | 8 21 | 16 21 | 5 15 | 1 43 | 1 6 | 0 32 | 8 45 | 13 13 | 0 39 | 3 52 | 1 38 | 15 48 | 1 53 | 14 11 | 0 42 | 5 43 | 1 22 | 26 43 | 6 19 | 6 29 | 6 28 | 16 52 | 18 10 | 2 49 |
| W29 | 7 59 | 17 49 | 5 16 | 2 22 | 1 14 | 0 47 | 8 44 | 13 28 | 0 40 | 3 50 | 1 38 | 15 49 | 1 53 | 14 10 | 0 42 | 5 43 | 1 22 | 26 43 | 6 19 | 6 29 | 6 29 | 16 53 | 18 10 | 2 50 |
| T 30 | 7 36 | 18 31 | 5 4 | 3 1 | 1 22 | 1 2 | 8 42 | 13 42 | 0 40 | 3 48 | 1 38 | 15 50 | 1 52 | 14 9 | 0 42 | 5 42 | 1 22 | 26 43 | 6 19 | 6 29 | 6 30 | 16 54 | 18 10 | 2 50 |
| F 31 | 7n14 | 18s22 | 4n38 | 3s40 | 1s30 | 1n17 | 8s40 | 13s57 | 0s41 | 3n45 | 1s39 | 15s51 | 1n52 | 14n 8 | 0n42 | 5n41 | 1n22 | 26n43 | 6n19 | 6n29 | 6n31 | 16s55 | 18n 9 | 2s50 |

Julian Day Number = 2070083.5, Delta T = 28m19s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'05, Lahiri = 9°18'06 Julian Calendar 1 Aug. 955 == Greg. Calendar 6 Aug. 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## SEPTEMBER 955 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 58 11 | 12♍37'42 | 24♉48 | 7♎ 1 | 5°R27 | 5♏49 | 13°R10 | 19♏24 | 24♌28 | 18♍54 | 28♋44 | 13°R36 | 13♍27 | 9♐32 | 3♊21 | S 1 |
| S 2 | 23 2 8 | 13°36'26 | 7♒22 | 8°16 | 4♍53 | 6°31 | 13♈ 4 | 19°28 | 24°31 | 18°56 | 28°45 | 13°D36 | 13°24 | 9°38 | 3°21 | S 2 |
| M 3 | 23 6 4 | 14°35'11 | 20°14 | 9°30 | 4°20 | 7°12 | 12°58 | 19°32 | 24°35 | 18°58 | 28°46 | 13♍36 | 13°20 | 9°45 | 3°21 | M 3 |
| T 4 | 23 10 1 | 15°33'59 | 3♓25 | 10°42 | 3°49 | 7°54 | 12°52 | 19°36 | 24°38 | 19° 1 | 28°48 | 13°37 | 13°17 | 9°52 | 3°21 | T 4 |
| W 5 | 23 13 57 | 16°32'48 | 16°55 | 11°52 | 3°18 | 8°36 | 12°45 | 19°40 | 24°42 | 19° 3 | 28°49 | 13°R37 | 13°14 | 9°59 | 3°R21 | W 5 |
| T 6 | 23 17 54 | 17°31'39 | 0♈41 | 13° 1 | 2°50 | 9°18 | 12°39 | 19°45 | 24°46 | 19° 5 | 28°50 | 13°36 | 13°11 | 10° 5 | 3°21 | T 6 |
| F 7 | 23 21 51 | 18°30'33 | 14°42 | 14° 7 | 2°24 | 9°59 | 12°32 | 19°49 | 24°49 | 19° 7 | 28°52 | 13°36 | 13° 8 | 10°12 | 3°21 | F 7 |
| S 8 | 23 25 47 | 19°29'29 | 28°53 | 15°11 | 2° 0 | 10°41 | 12°25 | 19°54 | 24°53 | 19°10 | 28°53 | 13°35 | 13° 5 | 10°19 | 3°21 | S 8 |
| S 9 | 23 29 44 | 20°28'27 | 13♉10 | 16°13 | 1°38 | 11°24 | 12°18 | 19°58 | 24°56 | 19°12 | 28°54 | 13°35 | 13° 1 | 10°25 | 3°21 | S 9 |
| M10 | 23 33 40 | 21°27'27 | 27°29 | 17°13 | 1°18 | 12° 6 | 12°11 | 20° 3 | 25° 0 | 19°14 | 28°55 | 13°34 | 12°58 | 10°32 | 3°20 | M10 |
| T 11 | 23 37 37 | 22°26'30 | 11♊47 | 18°10 | 1° 0 | 12°48 | 12° 4 | 20° 8 | 25° 3 | 19°16 | 28°56 | 13°34 | 12°55 | 10°39 | 3°20 | T 11 |
| W12 | 23 41 33 | 23°25'35 | 26° 0 | 19° 4 | 0°45 | 13°30 | 11°57 | 20°13 | 25° 6 | 19°19 | 28°58 | 13°D33 | 12°52 | 10°46 | 3°20 | W12 |
| T 13 | 23 45 30 | 24°24'43 | 10♋ 6 | 19°55 | 0°32 | 14°13 | 11°50 | 20°18 | 25°10 | 19°21 | 28°59 | 13°34 | 12°49 | 10°52 | 3°19 | T 13 |
| F 14 | 23 49 26 | 25°23'53 | 24° 4 | 20°42 | 0°22 | 14°55 | 11°42 | 20°23 | 25°13 | 19°23 | 29° 0 | 13°34 | 12°46 | 10°59 | 3°19 | F 14 |
| S 15 | 23 53 23 | 26°23'05 | 7♌51 | 21°26 | 0°14 | 15°38 | 11°35 | 20°28 | 25°17 | 19°25 | 29° 1 | 13°36 | 12°42 | 11° 6 | 3°18 | S 15 |
| S 16 | 23 57 20 | 27°22'20 | 21°28 | 22° 5 | 0° 9 | 16°21 | 11°27 | 20°33 | 25°20 | 19°27 | 29° 2 | 13°37 | 12°39 | 11°12 | 3°17 | S 16 |
| M17 | 0 1 16 | 28°21'37 | 4♍52 | 22°40 | 0° 6 | 17° 3 | 11°19 | 20°38 | 25°23 | 19°30 | 29° 3 | 13°37 | 12°36 | 11°19 | 3°16 | M17 |
| T 18 | 0 5 13 | 29°20'56 | 18° 2 | 23°11 | 0°D 6 | 17°46 | 11°11 | 20°43 | 25°27 | 19°32 | 29° 4 | 13°R37 | 12°33 | 11°26 | 3°16 | T 18 |
| W19 | 0 9 9 | 0♎20'17 | 1♎ 0 | 23°36 | 0° 7 | 18°29 | 11° 4 | 20°48 | 25°30 | 19°34 | 29° 5 | 13°37 | 12°30 | 11°33 | 3°15 | W19 |
| T 20 | 0 13 6 | 1°19'41 | 13°43 | 23°55 | 0°12 | 19°12 | 10°56 | 20°54 | 25°33 | 19°36 | 29° 6 | 13°35 | 12°26 | 11°39 | 3°14 | T 20 |
| F 21 | 0 17 2 | 2°19'06 | 26°13 | 24° 8 | 0°18 | 19°55 | 10°48 | 20°59 | 25°36 | 19°38 | 29° 7 | 13°33 | 12°23 | 11°46 | 3°13 | F 21 |
| S 22 | 0 20 59 | 3°18'34 | 8♏30 | 24°R14 | 0°27 | 20°39 | 10°40 | 21° 5 | 25°39 | 19°41 | 29° 8 | 13°29 | 12°20 | 11°53 | 3°11 | S 22 |
| S 23 | 0 24 55 | 4°18'03 | 20°36 | 24°13 | 0°38 | 21°22 | 10°32 | 21°10 | 25°43 | 19°43 | 29° 9 | 13°26 | 12°17 | 12° 0 | 3°10 | S 23 |
| M24 | 0 28 52 | 5°17'34 | 2♐34 | 24° 4 | 0°51 | 22° 5 | 10°24 | 21°16 | 25°46 | 19°45 | 29°10 | 13°23 | 12°14 | 12° 6 | 3° 9 | M24 |
| T 25 | 0 32 48 | 6°17'07 | 14°27 | 23°47 | 1° 6 | 22°49 | 10°16 | 21°21 | 25°49 | 19°47 | 29°11 | 13°20 | 12°11 | 12°13 | 3° 8 | T 25 |
| W26 | 0 36 45 | 7°16'42 | 26°19 | 23°22 | 1°23 | 23°32 | 10° 8 | 21°27 | 25°52 | 19°49 | 29°11 | 13°19 | 12° 7 | 12°20 | 3° 6 | W26 |
| T 27 | 0 40 42 | 8°16'19 | 8♑15 | 22°48 | 1°42 | 24°16 | 9°59 | 21°33 | 25°55 | 19°52 | 29°12 | 13°D18 | 12° 4 | 12°26 | 3° 5 | T 27 |
| F 28 | 0 44 38 | 9°15'58 | 20°19 | 22° 5 | 2° 3 | 24°59 | 9°51 | 21°39 | 25°58 | 19°54 | 29°13 | 13°19 | 12° 1 | 12°33 | 3° 3 | F 28 |
| S 29 | 0 48 35 | 10°15'38 | 2♒35 | 21°14 | 2°25 | 25°43 | 9°43 | 21°44 | 26° 1 | 19°56 | 29°14 | 13°20 | 11°58 | 12°40 | 3° 2 | S 29 |
| S 30 | 0 52 31 | 11♎15'21 | 15♒10 | 20♎16 | 2♍50 | 26♏27 | 9♈35 | 21♏50 | 26♌ 4 | 19♍58 | 29♋15 | 13♍22 | 11♍55 | 12♐47 | 3♊ 0 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n51 | 17s22 | 3n59 | 4s18 | 1s38 | 1n34 | 8s36 | 14s11 | 0s42 | 3n43 | 1s39 | 15s53 | 1n52 | 14n 6 | 0n42 | 5n40 | 1n22 | 26n43 | 6n19 | 6n29 | 6n33 | 16s56 | 18n 9 | 2s50 |
| S 2 | 6 29 | 15 30 | 3 8 | 4 55 | 1 46 | 1 50 | 8 31 | 14 26 | 0 42 | 3 40 | 1 39 | 15 54 | 1 52 | 14 5 | 0 42 | 5 39 | 1 22 | 26 43 | 6 20 | 6 29 | 6 34 | 16 56 | 18 9 | 2 51 |
| M 3 | 6 6 | 12 50 | 2 6 | 5 31 | 1 54 | 2 7 | 8 26 | 14 40 | 0 43 | 3 38 | 1 39 | 15 55 | 1 52 | 14 4 | 0 42 | 5 38 | 1 22 | 26 43 | 6 20 | 6 29 | 6 35 | 16 57 | 18 9 | 2 51 |
| T 4 | 5 43 | 9 26 | 0 56 | 6 7 | 2 1 | 2 24 | 8 20 | 14 54 | 0 44 | 3 35 | 1 39 | 15 57 | 1 51 | 14 3 | 0 42 | 5 37 | 1 22 | 26 42 | 6 20 | 6 29 | 6 36 | 16 58 | 18 8 | 2 51 |
| W 5 | 5 20 | 5 29 | 0s18 | 6 42 | 2 9 | 2 41 | 8 13 | 15 9 | 0 44 | 3 33 | 1 39 | 15 58 | 1 51 | 14 2 | 0 42 | 5 36 | 1 22 | 26 42 | 6 20 | 6 29 | 6 37 | 16 59 | 18 8 | 2 52 |
| T 6 | 4 57 | 1 9 | 1 33 | 7 15 | 2 16 | 2 58 | 8 5 | 15 23 | 0 45 | 3 30 | 1 39 | 15 59 | 1 51 | 14 0 | 0 42 | 5 36 | 1 22 | 26 42 | 6 20 | 6 29 | 6 39 | 17 0 | 18 8 | 2 52 |
| F 7 | 4 34 | 3n18 | 2 44 | 7 48 | 2 24 | 3 16 | 7 57 | 15 37 | 0 45 | 3 27 | 1 40 | 16 1 | 1 51 | 13 59 | 0 42 | 5 35 | 1 22 | 26 42 | 6 21 | 6 29 | 6 40 | 17 1 | 18 7 | 2 52 |
| S 8 | 4 11 | 7 37 | 3 45 | 8 20 | 2 31 | 3 32 | 7 48 | 15 50 | 0 46 | 3 24 | 1 40 | 16 2 | 1 51 | 13 58 | 0 42 | 5 34 | 1 22 | 26 42 | 6 21 | 6 29 | 6 41 | 17 2 | 18 7 | 2 53 |
| S 9 | 3 48 | 11 32 | 4 33 | 8 50 | 2 37 | 3 49 | 7 38 | 16 4 | 0 47 | 3 21 | 1 40 | 16 4 | 1 50 | 13 57 | 0 42 | 5 33 | 1 22 | 26 42 | 6 21 | 6 29 | 6 42 | 17 3 | 18 7 | 2 53 |
| M10 | 3 24 | 14 46 | 5 4 | 9 19 | 2 44 | 4 5 | 7 28 | 16 18 | 0 47 | 3 19 | 1 40 | 16 5 | 1 50 | 13 56 | 0 43 | 5 32 | 1 22 | 26 42 | 6 21 | 6 30 | 6 44 | 17 4 | 18 6 | 2 53 |
| T 11 | 3 1 | 17 6 | 5 17 | 9 47 | 2 50 | 4 21 | 7 18 | 16 31 | 0 48 | 3 16 | 1 40 | 16 7 | 1 50 | 13 55 | 0 43 | 5 31 | 1 22 | 26 42 | 6 21 | 6 30 | 6 45 | 17 5 | 18 6 | 2 53 |
| W12 | 2 37 | 18 22 | 5 9 | 10 13 | 2 56 | 4 37 | 7 7 | 16 45 | 0 48 | 3 13 | 1 40 | 16 8 | 1 50 | 13 54 | 0 43 | 5 30 | 1 22 | 26 42 | 6 22 | 6 30 | 6 46 | 17 6 | 18 6 | 2 54 |
| T 13 | 2 14 | 18 28 | 4 43 | 10 38 | 3 2 | 4 52 | 6 55 | 16 58 | 0 49 | 3 10 | 1 40 | 16 10 | 1 50 | 13 52 | 0 43 | 5 29 | 1 22 | 26 42 | 6 22 | 6 30 | 6 47 | 17 6 | 18 5 | 2 54 |
| F 14 | 1 50 | 17 28 | 4 1 | 11 1 | 3 7 | 5 6 | 6 44 | 17 11 | 0 49 | 3 7 | 1 40 | 16 11 | 1 49 | 13 51 | 0 43 | 5 29 | 1 22 | 26 42 | 6 22 | 6 30 | 6 48 | 17 7 | 18 5 | 2 54 |
| S 15 | 1 27 | 15 25 | 3 5 | 11 21 | 3 12 | 5 20 | 6 32 | 17 25 | 0 50 | 3 4 | 1 40 | 16 13 | 1 49 | 13 50 | 0 43 | 5 28 | 1 22 | 26 42 | 6 22 | 6 29 | 6 50 | 17 8 | 18 4 | 2 55 |
| S 16 | 1 3 | 12 32 | 2 0 | 11 40 | 3 16 | 5 33 | 6 20 | 17 37 | 0 51 | 3 1 | 1 40 | 16 14 | 1 49 | 13 49 | 0 43 | 5 27 | 1 22 | 26 42 | 6 23 | 6 29 | 6 51 | 17 9 | 18 4 | 2 55 |
| M17 | 0 39 | 9 2 | 0 48 | 11 57 | 3 19 | 5 45 | 6 8 | 17 50 | 0 51 | 2 58 | 1 41 | 16 16 | 1 49 | 13 48 | 0 43 | 5 26 | 1 22 | 26 42 | 6 23 | 6 28 | 6 52 | 17 10 | 18 4 | 2 55 |
| T 18 | 0 16 | 5 8 | 0n24 | 12 11 | 3 22 | 5 57 | 5 56 | 18 3 | 0 52 | 2 55 | 1 41 | 16 17 | 1 49 | 13 47 | 0 43 | 5 25 | 1 22 | 26 42 | 6 23 | 6 28 | 6 53 | 17 11 | 18 3 | 2 56 |
| W19 | 0s 8 | 1 3 | 1 34 | 12 22 | 3 24 | 6 8 | 5 44 | 18 16 | 0 52 | 2 51 | 1 41 | 16 19 | 1 48 | 13 46 | 0 43 | 5 24 | 1 22 | 26 42 | 6 23 | 6 29 | 6 55 | 17 12 | 18 3 | 2 56 |
| T 20 | 0 32 | 3s 1 | 2 39 | 12 30 | 3 25 | 6 18 | 5 31 | 18 28 | 0 53 | 2 48 | 1 41 | 16 20 | 1 48 | 13 45 | 0 43 | 5 23 | 1 22 | 26 42 | 6 23 | 6 29 | 6 56 | 17 13 | 18 2 | 2 56 |
| F 21 | 0 56 | 6 51 | 3 34 | 12 35 | 3 26 | 6 27 | 5 19 | 18 40 | 0 53 | 2 45 | 1 41 | 16 22 | 1 48 | 13 44 | 0 43 | 5 23 | 1 22 | 26 42 | 6 24 | 6 30 | 6 57 | 17 13 | 18 2 | 2 56 |
| S 22 | 1 19 | 10 21 | 4 18 | 12 37 | 3 25 | 6 36 | 5 7 | 18 52 | 0 54 | 2 42 | 1 41 | 16 23 | 1 48 | 13 43 | 0 43 | 5 22 | 1 22 | 26 42 | 6 24 | 6 32 | 6 58 | 17 14 | 18 1 | 2 57 |
| S 23 | 1 43 | 13 20 | 4 50 | 12 35 | 3 23 | 6 43 | 4 54 | 19 4 | 0 54 | 2 39 | 1 41 | 16 25 | 1 48 | 13 42 | 0 43 | 5 21 | 1 22 | 26 42 | 6 24 | 6 33 | 6 59 | 17 15 | 18 1 | 2 57 |
| M24 | 2 7 | 15 45 | 5 9 | 12 28 | 3 19 | 6 50 | 4 42 | 19 16 | 0 55 | 2 36 | 1 41 | 16 27 | 1 48 | 13 40 | 0 43 | 5 20 | 1 22 | 26 42 | 6 24 | 6 34 | 7 1 | 17 16 | 18 0 | 2 57 |
| T 25 | 2 31 | 17 27 | 5 14 | 12 18 | 3 15 | 6 57 | 4 30 | 19 28 | 0 55 | 2 32 | 1 41 | 16 28 | 1 47 | 13 39 | 0 43 | 5 19 | 1 22 | 26 42 | 6 25 | 6 35 | 7 2 | 17 17 | 18 0 | 2 58 |
| W26 | 2 54 | 18 25 | 5 6 | 12 2 | 3 8 | 7 2 | 4 18 | 19 40 | 0 56 | 2 29 | 1 41 | 16 30 | 1 47 | 13 38 | 0 43 | 5 18 | 1 22 | 26 42 | 6 25 | 6 36 | 7 3 | 17 18 | 17 59 | 2 58 |
| T 27 | 3 18 | 18 34 | 4 45 | 11 42 | 3 0 | 7 6 | 4 6 | 19 51 | 0 56 | 2 26 | 1 41 | 16 32 | 1 47 | 13 37 | 0 43 | 5 18 | 1 22 | 26 42 | 6 25 | 6 36 | 7 4 | 17 19 | 17 58 | 2 58 |
| F 28 | 3 42 | 17 53 | 4 11 | 11 17 | 2 50 | 7 10 | 3 54 | 20 2 | 0 57 | 2 23 | 1 41 | 16 33 | 1 47 | 13 36 | 0 43 | 5 17 | 1 22 | 26 42 | 6 25 | 6 36 | 7 6 | 17 19 | 17 58 | 2 59 |
| S 29 | 4 5 | 16 21 | 3 25 | 10 46 | 2 38 | 7 13 | 3 42 | 20 13 | 0 57 | 2 20 | 1 41 | 16 35 | 1 47 | 13 35 | 0 43 | 5 16 | 1 22 | 26 42 | 6 26 | 6 35 | 7 7 | 17 20 | 17 57 | 2 59 |
| S 30 | 4s29 | 14s 1 | 2n29 | 10s12 | 2s25 | 7n15 | 3s30 | 20s24 | 0s58 | 2n17 | 1s41 | 16s37 | 1n47 | 13n34 | 0n43 | 5n15 | 1n22 | 26n42 | 6n26 | 6n34 | 7n 8 | 17s21 | 17n57 | 2s59 |

Julian Day Number = 2070114.5, Delta T = 28m19s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'10, Lahiri = 9°18'10 Julian Calendar 1 Sept. 955 == Greg. Calendar 6 Sept. 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## OCTOBER 955 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 56 28 | 12♎15'04 | 28♒ 5 | 19°R11 | 3♍16 | 27♏11 | 9°R27 | 21♏56 | 26♌ 7 | 20♍ 0 | 29♋15 | 13♍23 | 11♍51 | 12♐53 | 2°R58 | M 1 |
| T 2 | 1 0 24 | 13°14'50 | 11♓25 | 18♎ 0 | 3°44 | 27°55 | 9♈19 | 22° 2 | 26° 9 | 20° 2 | 29°16 | 13°R24 | 11°48 | 13° 0 | 2♊56 | T 2 |
| W 3 | 1 4 21 | 14°14'38 | 25° 9 | 16°46 | 4°14 | 28°39 | 9°11 | 22° 8 | 26°12 | 20° 4 | 29°17 | 13°24 | 11°45 | 13° 7 | 2°54 | W 3 |
| T 4 | 1 8 17 | 15°14'27 | 9♈16 | 15°30 | 4°45 | 29°23 | 9° 3 | 22°14 | 26°15 | 20° 6 | 29°17 | 13°21 | 11°42 | 13°14 | 2°53 | T 4 |
| F 5 | 1 12 14 | 16°14'19 | 23°42 | 14°15 | 5°18 | 0♐ 7 | 8°55 | 22°20 | 26°18 | 20° 8 | 29°18 | 13°18 | 11°39 | 13°20 | 2°51 | F 5 |
| S 6 | 1 16 11 | 17°14'12 | 8♉22 | 13° 3 | 5°52 | 0°51 | 8°47 | 22°27 | 26°21 | 20°10 | 29°18 | 13°13 | 11°36 | 13°27 | 2°49 | S 6 |
| S 7 | 1 20 7 | 18°14'08 | 23° 9 | 11°55 | 6°27 | 1°36 | 8°39 | 22°33 | 26°23 | 20°12 | 29°19 | 13° 8 | 11°32 | 13°34 | 2°46 | S 7 |
| M 8 | 1 24 4 | 19°14'06 | 7♊53 | 10°55 | 7° 4 | 2°20 | 8°31 | 22°39 | 26°26 | 20°14 | 29°20 | 13° 3 | 11°29 | 13°40 | 2°44 | M 8 |
| T 9 | 1 28 0 | 20°14'06 | 22°29 | 10° 4 | 7°42 | 3° 4 | 8°23 | 22°45 | 26°28 | 20°16 | 29°20 | 12°59 | 11°26 | 13°47 | 2°42 | T 9 |
| W10 | 1 31 57 | 21°14'08 | 6♋51 | 9°23 | 8°22 | 3°49 | 8°15 | 22°52 | 26°31 | 20°18 | 29°21 | 12°56 | 11°23 | 13°54 | 2°40 | W10 |
| T 11 | 1 35 53 | 22°14'13 | 20°57 | 8°54 | 9° 2 | 4°33 | 8° 8 | 22°58 | 26°33 | 20°20 | 29°21 | 12°D55 | 11°20 | 14° 1 | 2°38 | T 11 |
| F 12 | 1 39 50 | 23°14'19 | 4♌45 | 8°35 | 9°44 | 5°18 | 8° 0 | 23° 5 | 26°36 | 20°22 | 29°21 | 12°56 | 11°17 | 14° 7 | 2°35 | F 12 |
| S 13 | 1 43 46 | 24°14'28 | 18°16 | 8°D29 | 10°27 | 6° 3 | 7°53 | 23°11 | 26°38 | 20°24 | 29°22 | 12°57 | 11°13 | 14°14 | 2°33 | S 13 |
| S 14 | 1 47 43 | 25°14'39 | 1♍31 | 8°33 | 11°11 | 6°48 | 7°45 | 23°18 | 26°41 | 20°26 | 29°22 | 12°58 | 11°10 | 14°21 | 2°30 | S 14 |
| M15 | 1 51 40 | 26°14'52 | 14°32 | 8°49 | 11°56 | 7°32 | 7°38 | 23°24 | 26°43 | 20°28 | 29°23 | 12°R59 | 11° 7 | 14°27 | 2°28 | M15 |
| T 16 | 1 55 36 | 27°15'07 | 27°20 | 9°14 | 12°42 | 8°17 | 7°31 | 23°31 | 26°45 | 20°30 | 29°23 | 12°58 | 11° 4 | 14°34 | 2°25 | T 16 |
| W17 | 1 59 33 | 28°15'24 | 9♎57 | 9°49 | 13°29 | 9° 2 | 7°24 | 23°37 | 26°48 | 20°32 | 29°23 | 12°54 | 11° 1 | 14°41 | 2°22 | W17 |
| T 18 | 2 3 29 | 29°15'43 | 22°24 | 10°32 | 14°16 | 9°47 | 7°17 | 23°44 | 26°50 | 20°34 | 29°23 | 12°49 | 10°57 | 14°48 | 2°20 | T 18 |
| F 19 | 2 7 26 | 0♏16'04 | 4♏42 | 11°23 | 15° 5 | 10°32 | 7°10 | 23°51 | 26°52 | 20°36 | 29°24 | 12°41 | 10°54 | 14°54 | 2°17 | F 19 |
| S 20 | 2 11 22 | 1°16'27 | 16°51 | 12°20 | 15°55 | 11°18 | 7° 3 | 23°57 | 26°54 | 20°37 | 29°24 | 12°32 | 10°51 | 15° 1 | 2°14 | S 20 |
| S 21 | 2 15 19 | 2°16'51 | 28°52 | 13°23 | 16°45 | 12° 3 | 6°56 | 24° 4 | 26°56 | 20°39 | 29°24 | 12°22 | 10°48 | 15° 8 | 2°11 | S 21 |
| M22 | 2 19 15 | 3°17'17 | 10♐48 | 14°31 | 17°36 | 12°48 | 6°50 | 24°11 | 26°58 | 20°41 | 29°24 | 12°12 | 10°45 | 15°15 | 2° 9 | M22 |
| T 23 | 2 23 12 | 4°17'44 | 22°39 | 15°43 | 18°28 | 13°33 | 6°44 | 24°18 | 27° 0 | 20°43 | 29°24 | 12° 3 | 10°42 | 15°21 | 2° 6 | T 23 |
| W24 | 2 27 8 | 5°18'13 | 4♑30 | 16°59 | 19°21 | 14°19 | 6°37 | 24°24 | 27° 2 | 20°44 | 29°24 | 11°56 | 10°38 | 15°28 | 2° 3 | W24 |
| T 25 | 2 31 5 | 6°18'43 | 16°23 | 18°19 | 20°14 | 15° 4 | 6°31 | 24°31 | 27° 4 | 20°46 | 29°24 | 11°52 | 10°35 | 15°35 | 2° 0 | T 25 |
| F 26 | 2 35 2 | 7°19'15 | 28°23 | 19°41 | 21° 8 | 15°50 | 6°25 | 24°38 | 27° 6 | 20°48 | 29°24 | 11°49 | 10°32 | 15°41 | 1°57 | F 26 |
| S 27 | 2 38 58 | 8°19'48 | 10♒35 | 21° 5 | 22° 3 | 16°35 | 6°20 | 24°45 | 27° 8 | 20°49 | 29°R24 | 11°D49 | 10°29 | 15°48 | 1°54 | S 27 |
| S 28 | 2 42 55 | 9°20'22 | 23° 4 | 22°31 | 22°58 | 17°21 | 6°14 | 24°52 | 27° 9 | 20°51 | 29°24 | 11°50 | 10°26 | 15°55 | 1°50 | S 28 |
| M29 | 2 46 51 | 10°20'58 | 5♓55 | 23°59 | 23°54 | 18° 7 | 6° 8 | 24°59 | 27°11 | 20°53 | 29°24 | 11°R50 | 10°23 | 16° 2 | 1°47 | M29 |
| T 30 | 2 50 48 | 11°21'34 | 19°11 | 25°28 | 24°51 | 18°52 | 6° 3 | 25° 6 | 27°13 | 20°54 | 29°24 | 11°50 | 10°19 | 16° 8 | 1°44 | T 30 |
| W31 | 2 54 44 | 12♏22'12 | 2♈57 | 26♎58 | 25♍48 | 19♐38 | 5♈58 | 25♏13 | 27♌14 | 20♍56 | 29♋24 | 11♍48 | 10♍16 | 16♐15 | 1♊41 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4s52 | 10s54 | 1n23 | 9s32 | 2s 9 | 7n16 | 3s19 | 20s35 | 0s58 | 2n13 | 1s41 | 16s38 | 1n46 | 13n34 | 0n43 | 5n14 | 1n22 | 26n42 | 6n26 | 6n34 | 7n 9 | 17s22 | 17n56 | 2s59 |
| T 2 | 5 15 | 7 9 | 0 11 | 8 50 | 1 52 | 7 17 | 3 8 | 20 45 | 0 58 | 2 10 | 1 41 | 16 40 | 1 46 | 13 33 | 0 43 | 5 13 | 1 22 | 26 42 | 6 26 | 6 34 | 7 10 | 17 23 | 17 55 | 3 0 |
| W 3 | 5 39 | 2 55 | 1s 4 | 8 4 | 1 34 | 7 16 | 2 57 | 20 56 | 0 59 | 2 7 | 1 40 | 16 42 | 1 46 | 13 32 | 0 43 | 5 13 | 1 22 | 26 43 | 6 27 | 6 34 | 7 12 | 17 24 | 17 55 | 3 0 |
| T 4 | 6 2 | 1n36 | 2 17 | 7 16 | 1 14 | 7 15 | 2 46 | 21 6 | 0 59 | 2 4 | 1 40 | 16 43 | 1 46 | 13 31 | 0 43 | 5 12 | 1 22 | 26 43 | 6 27 | 6 35 | 7 13 | 17 24 | 17 54 | 3 0 |
| F 5 | 6 25 | 6 7 | 3 22 | 6 28 | 0 54 | 7 13 | 2 35 | 21 16 | 1 0 | 2 1 | 1 40 | 16 45 | 1 46 | 13 30 | 0 43 | 5 11 | 1 22 | 26 43 | 6 27 | 6 36 | 7 14 | 17 25 | 17 54 | 3 0 |
| S 6 | 6 48 | 10 20 | 4 16 | 5 41 | 0 33 | 7 11 | 2 24 | 21 25 | 1 0 | 1 58 | 1 40 | 16 47 | 1 46 | 13 29 | 0 43 | 5 10 | 1 22 | 26 43 | 6 27 | 6 38 | 7 15 | 17 26 | 17 53 | 3 1 |
| S 7 | 7 11 | 13 57 | 4 52 | 4 56 | 0 12 | 7 7 | 2 14 | 21 35 | 1 1 | 1 55 | 1 40 | 16 48 | 1 46 | 13 28 | 0 43 | 5 9 | 1 22 | 26 43 | 6 27 | 6 40 | 7 16 | 17 27 | 17 52 | 3 1 |
| M 8 | 7 34 | 16 39 | 5 10 | 4 14 | 0n 8 | 7 3 | 2 4 | 21 44 | 1 1 | 1 52 | 1 40 | 16 50 | 1 45 | 13 27 | 0 43 | 5 9 | 1 22 | 26 43 | 6 28 | 6 42 | 7 18 | 17 28 | 17 52 | 3 1 |
| T 9 | 7 57 | 18 15 | 5 7 | 3 36 | 0 27 | 6 58 | 1 54 | 21 53 | 1 1 | 1 49 | 1 40 | 16 52 | 1 45 | 13 26 | 0 43 | 5 8 | 1 22 | 26 43 | 6 28 | 6 43 | 7 19 | 17 29 | 17 51 | 3 2 |
| W10 | 8 20 | 18 40 | 4 44 | 3 3 | 0 45 | 6 53 | 1 44 | 22 2 | 1 2 | 1 46 | 1 40 | 16 54 | 1 45 | 13 25 | 0 43 | 5 7 | 1 22 | 26 43 | 6 28 | 6 44 | 7 20 | 17 29 | 17 50 | 3 2 |
| T 11 | 8 42 | 17 53 | 4 5 | 2 36 | 1 1 | 6 46 | 1 34 | 22 11 | 1 2 | 1 43 | 1 40 | 16 55 | 1 45 | 13 25 | 0 43 | 5 6 | 1 22 | 26 43 | 6 28 | 6 45 | 7 21 | 17 30 | 17 50 | 3 2 |
| F 12 | 9 5 | 16 4 | 3 12 | 2 16 | 1 16 | 6 39 | 1 25 | 22 20 | 1 2 | 1 40 | 1 39 | 16 57 | 1 45 | 13 24 | 0 43 | 5 6 | 1 22 | 26 44 | 6 29 | 6 45 | 7 23 | 17 31 | 17 49 | 3 2 |
| S 13 | 9 27 | 13 23 | 2 10 | 2 1 | 1 29 | 6 32 | 1 15 | 22 28 | 1 3 | 1 37 | 1 39 | 16 59 | 1 45 | 13 23 | 0 43 | 5 5 | 1 22 | 26 44 | 6 29 | 6 44 | 7 24 | 17 32 | 17 48 | 3 3 |
| S 14 | 9 49 | 10 2 | 1 2 | 1 52 | 1 40 | 6 23 | 1 6 | 22 36 | 1 3 | 1 35 | 1 39 | 17 1 | 1 45 | 13 22 | 0 43 | 5 4 | 1 22 | 26 44 | 6 29 | 6 44 | 7 25 | 17 33 | 17 47 | 3 3 |
| M15 | 10 11 | 6 15 | 0n 8 | 1 50 | 1 50 | 6 14 | 0 57 | 22 44 | 1 3 | 1 32 | 1 39 | 17 2 | 1 45 | 13 21 | 0 44 | 5 4 | 1 22 | 26 44 | 6 29 | 6 43 | 7 26 | 17 33 | 17 47 | 3 3 |
| T 16 | 10 33 | 2 14 | 1 17 | 1 53 | 1 58 | 6 5 | 0 49 | 22 52 | 1 4 | 1 29 | 1 39 | 17 4 | 1 44 | 13 21 | 0 44 | 5 3 | 1 22 | 26 44 | 6 30 | 6 44 | 7 27 | 17 34 | 17 46 | 3 3 |
| W17 | 10 55 | 1s49 | 2 20 | 2 0 | 2 4 | 5 55 | 0 40 | 22 59 | 1 4 | 1 26 | 1 39 | 17 6 | 1 44 | 13 20 | 0 44 | 5 2 | 1 22 | 26 44 | 6 30 | 6 45 | 7 29 | 17 35 | 17 45 | 3 4 |
| T 18 | 11 16 | 5 44 | 3 16 | 2 13 | 2 9 | 5 44 | 0 32 | 23 6 | 1 4 | 1 24 | 1 39 | 17 8 | 1 44 | 13 19 | 0 44 | 5 1 | 1 23 | 26 45 | 6 30 | 6 47 | 7 30 | 17 36 | 17 44 | 3 4 |
| F 19 | 11 38 | 9 21 | 4 2 | 2 30 | 2 12 | 5 32 | 0 24 | 23 13 | 1 5 | 1 21 | 1 38 | 17 9 | 1 44 | 13 19 | 0 44 | 5 1 | 1 23 | 26 45 | 6 31 | 6 50 | 7 31 | 17 37 | 17 44 | 3 4 |
| S 20 | 11 59 | 12 33 | 4 36 | 2 50 | 2 14 | 5 20 | 0 16 | 23 20 | 1 5 | 1 19 | 1 38 | 17 11 | 1 44 | 13 18 | 0 44 | 5 0 | 1 23 | 26 45 | 6 31 | 6 54 | 7 32 | 17 37 | 17 43 | 3 4 |
| S 21 | 12 20 | 15 11 | 4 58 | 3 14 | 2 15 | 5 8 | 0 8 | 23 26 | 1 5 | 1 16 | 1 38 | 17 13 | 1 44 | 13 17 | 0 44 | 4 59 | 1 23 | 26 45 | 6 31 | 6 58 | 7 33 | 17 38 | 17 42 | 3 4 |
| M22 | 12 41 | 17 8 | 5 6 | 3 40 | 2 15 | 4 55 | 0 1 | 23 33 | 1 6 | 1 14 | 1 38 | 17 15 | 1 44 | 13 17 | 0 44 | 4 59 | 1 23 | 26 46 | 6 31 | 7 1 | 7 35 | 17 39 | 17 41 | 3 5 |
| T 23 | 13 1 | 18 22 | 5 1 | 4 9 | 2 14 | 4 41 | 0n 6 | 23 39 | 1 6 | 1 12 | 1 38 | 17 16 | 1 44 | 13 16 | 0 44 | 4 58 | 1 23 | 26 46 | 6 32 | 7 5 | 7 36 | 17 40 | 17 41 | 3 5 |
| W24 | 13 22 | 18 47 | 4 43 | 4 40 | 2 12 | 4 27 | 0 13 | 23 44 | 1 6 | 1 9 | 1 37 | 17 18 | 1 44 | 13 15 | 0 44 | 4 57 | 1 23 | 26 46 | 6 32 | 7 7 | 7 37 | 17 41 | 17 40 | 3 5 |
| T 25 | 13 42 | 18 23 | 4 13 | 5 13 | 2 10 | 4 12 | 0 20 | 23 50 | 1 7 | 1 7 | 1 37 | 17 20 | 1 43 | 13 15 | 0 44 | 4 57 | 1 23 | 26 46 | 6 32 | 7 9 | 7 38 | 17 41 | 17 39 | 3 5 |
| F 26 | 14 2 | 17 9 | 3 31 | 5 47 | 2 7 | 3 57 | 0 27 | 23 55 | 1 7 | 1 5 | 1 37 | 17 22 | 1 43 | 13 14 | 0 44 | 4 56 | 1 23 | 26 46 | 6 32 | 7 10 | 7 40 | 17 42 | 17 38 | 3 6 |
| S 27 | 14 22 | 15 8 | 2 39 | 6 22 | 2 3 | 3 41 | 0 34 | 24 0 | 1 7 | 1 3 | 1 37 | 17 23 | 1 43 | 13 13 | 0 44 | 4 56 | 1 23 | 26 47 | 6 33 | 7 10 | 7 41 | 17 43 | 17 37 | 3 6 |
| S 28 | 14 41 | 12 21 | 1 39 | 6 58 | 1 59 | 3 25 | 0 40 | 24 5 | 1 7 | 1 1 | 1 36 | 17 25 | 1 43 | 13 13 | 0 44 | 4 55 | 1 23 | 26 47 | 6 33 | 7 10 | 7 42 | 17 44 | 17 37 | 3 6 |
| M29 | 15 0 | 8 54 | 0 32 | 7 35 | 1 54 | 3 8 | 0 46 | 24 10 | 1 8 | 0 59 | 1 36 | 17 27 | 1 43 | 13 12 | 0 44 | 4 54 | 1 23 | 26 47 | 6 33 | 7 10 | 7 43 | 17 44 | 17 36 | 3 6 |
| T 30 | 15 19 | 4 54 | 0s39 | 8 13 | 1 49 | 2 51 | 0 52 | 24 14 | 1 8 | 0 57 | 1 36 | 17 29 | 1 43 | 13 12 | 0 44 | 4 54 | 1 23 | 26 47 | 6 33 | 7 10 | 7 44 | 17 45 | 17 35 | 3 6 |
| W31 | 15s38 | 0s30 | 1s50 | 8s50 | 1n43 | 2n34 | 0n58 | 24s18 | 1s 8 | 0n55 | 1s36 | 17s30 | 1n43 | 13n11 | 0n44 | 4n53 | 1n23 | 26n48 | 6n34 | 7n10 | 7n46 | 17s46 | 17n34 | 3s 6 |

Julian Day Number = 2070144.5, Delta T = 28m18s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'14, Lahiri = 9°18'14 Julian Calendar 1 Oct. 955 == Greg. Calendar 6 Oct. 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## NOVEMBER 955 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 58 41 | 13♏22'52 | 17♈12 | 28♎29 | 26♍45 | 20♐24 | 5°R53 | 25♏20 | 27♑16 | 20♍57 | 29°R24 | 11°R44 | 10♍13 | 16♐22 | 1°R38 | T 1 |
| F 2 | 3 2 37 | 14°23'32 | 1♉52 | 0♏ 0 | 27°43 | 21°10 | 5♈48 | 25°27 | 27°17 | 20°59 | 29♋24 | 11♍37 | 10°10 | 16°28 | 1♊34 | F 2 |
| S 3 | 3 6 34 | 15°24'14 | 16°52 | 1°32 | 28°42 | 21°56 | 5°44 | 25°34 | 27°19 | 21° 0 | 29°24 | 11°28 | 10° 7 | 16°35 | 1°31 | S 3 |
| S 4 | 3 10 31 | 16°24'58 | 2♊ 3 | 3° 5 | 29°41 | 22°42 | 5°39 | 25°41 | 27°20 | 21° 2 | 29°23 | 11°18 | 10° 3 | 16°42 | 1°28 | S 4 |
| M 5 | 3 14 27 | 17°25'43 | 17°13 | 4°38 | 0♎41 | 23°28 | 5°35 | 25°48 | 27°21 | 21° 3 | 29°23 | 11° 8 | 10° 0 | 16°49 | 1°24 | M 5 |
| T 6 | 3 18 24 | 18°26'29 | 2♋12 | 6°11 | 1°41 | 24°14 | 5°31 | 25°55 | 27°23 | 21° 5 | 29°23 | 10°59 | 9°57 | 16°55 | 1°21 | T 6 |
| W 7 | 3 22 20 | 19°27'17 | 16°53 | 7°45 | 2°42 | 25° 0 | 5°27 | 26° 2 | 27°24 | 21° 6 | 29°23 | 10°53 | 9°54 | 17° 2 | 1°18 | W 7 |
| T 8 | 3 26 17 | 20°28'07 | 1♌10 | 9°18 | 3°43 | 25°46 | 5°24 | 26° 9 | 27°25 | 21° 7 | 29°22 | 10°49 | 9°51 | 17° 9 | 1°14 | T 8 |
| F 9 | 3 30 13 | 21°28'58 | 15° 2 | 10°52 | 4°44 | 26°32 | 5°20 | 26°16 | 27°26 | 21° 9 | 29°22 | 10°48 | 9°48 | 17°16 | 1°11 | F 9 |
| S 10 | 3 34 10 | 22°29'50 | 28°30 | 12°26 | 5°46 | 27°18 | 5°17 | 26°23 | 27°27 | 21°10 | 29°22 | 10°D47 | 9°44 | 17°22 | 1° 7 | S 10 |
| S 11 | 3 38 6 | 23°30'44 | 11♍36 | 14° 0 | 6°48 | 28° 5 | 5°14 | 26°30 | 27°28 | 21°11 | 29°21 | 10°R48 | 9°41 | 17°29 | 1° 4 | S 11 |
| M12 | 3 42 3 | 24°31'39 | 24°24 | 15°34 | 7°51 | 28°51 | 5°11 | 26°37 | 27°29 | 21°12 | 29°21 | 10°47 | 9°38 | 17°36 | 1° 1 | M12 |
| T 13 | 3 46 0 | 25°32'36 | 6♎57 | 17° 7 | 8°54 | 29°37 | 5° 8 | 26°44 | 27°30 | 21°14 | 29°20 | 10°44 | 9°35 | 17°42 | 0°57 | T 13 |
| W14 | 3 49 56 | 26°33'34 | 19°18 | 18°41 | 9°57 | 0♏24 | 5° 6 | 26°51 | 27°31 | 21°15 | 29°20 | 10°38 | 9°32 | 17°49 | 0°54 | W14 |
| T 15 | 3 53 53 | 27°34'33 | 1♏31 | 20°15 | 11° 1 | 1°10 | 5° 3 | 26°58 | 27°32 | 21°16 | 29°19 | 10°30 | 9°28 | 17°56 | 0°50 | T 15 |
| F 16 | 3 57 49 | 28°35'33 | 13°36 | 21°49 | 12° 5 | 1°57 | 5° 1 | 27° 5 | 27°32 | 21°17 | 29°19 | 10°18 | 9°25 | 18° 3 | 0°47 | F 16 |
| S 17 | 4 1 46 | 29°36'35 | 25°36 | 23°23 | 13°10 | 2°43 | 5° 0 | 27°13 | 27°33 | 21°18 | 29°18 | 10° 4 | 9°22 | 18° 9 | 0°43 | S 17 |
| S 18 | 4 5 42 | 0♐37'37 | 7♐32 | 24°57 | 14°14 | 3°30 | 4°58 | 27°20 | 27°34 | 21°19 | 29°18 | 9°49 | 9°19 | 18°16 | 0°40 | S 18 |
| M19 | 4 9 39 | 1°38'40 | 19°25 | 26°31 | 15°19 | 4°17 | 4°56 | 27°27 | 27°34 | 21°20 | 29°17 | 9°34 | 9°16 | 18°23 | 0°36 | M19 |
| T 20 | 4 13 35 | 2°39'44 | 1♑16 | 28° 5 | 16°25 | 5° 3 | 4°55 | 27°34 | 27°35 | 21°21 | 29°16 | 9°21 | 9°13 | 18°30 | 0°33 | T 20 |
| W21 | 4 17 32 | 3°40'49 | 13° 7 | 29°39 | 17°30 | 5°50 | 4°54 | 27°41 | 27°35 | 21°22 | 29°16 | 9° 9 | 9° 9 | 18°36 | 0°29 | W21 |
| T 22 | 4 21 29 | 4°41'54 | 25° 1 | 1♐13 | 18°36 | 6°37 | 4°53 | 27°48 | 27°36 | 21°23 | 29°15 | 9° 1 | 9° 6 | 18°43 | 0°26 | T 22 |
| F 23 | 4 25 25 | 5°43'00 | 7♒ 0 | 2°47 | 19°42 | 7°24 | 4°53 | 27°55 | 27°36 | 21°24 | 29°14 | 8°56 | 9° 3 | 18°50 | 0°22 | F 23 |
| S 24 | 4 29 22 | 6°44'07 | 19°10 | 4°22 | 20°48 | 8°10 | 4°52 | 28° 2 | 27°36 | 21°25 | 29°14 | 8°53 | 9° 0 | 18°56 | 0°19 | S 24 |
| S 25 | 4 33 18 | 7°45'14 | 1♓34 | 5°56 | 21°55 | 8°57 | 4°D52 | 28° 9 | 27°36 | 21°26 | 29°13 | 8°52 | 8°57 | 19° 3 | 0°15 | S 25 |
| M26 | 4 37 15 | 8°46'21 | 14°18 | 7°30 | 23° 2 | 9°44 | 4°52 | 28°16 | 27°36 | 21°26 | 29°12 | 8°52 | 8°54 | 19°10 | 0°12 | M26 |
| T 27 | 4 41 11 | 9°47'28 | 27°26 | 9° 5 | 24° 9 | 10°31 | 4°52 | 28°23 | 27°37 | 21°27 | 29°11 | 8°52 | 8°50 | 19°17 | 0° 8 | T 27 |
| W28 | 4 45 8 | 10°48'36 | 11♈ 3 | 10°40 | 25°16 | 11°18 | 4°53 | 28°30 | 27°R37 | 21°28 | 29°10 | 8°49 | 8°47 | 19°23 | 0° 5 | W28 |
| T 29 | 4 49 4 | 11°49'44 | 25°10 | 12°14 | 26°23 | 12° 5 | 4°54 | 28°37 | 27°37 | 21°29 | 29° 9 | 8°44 | 8°44 | 19°30 | 0° 1 | T 29 |
| F 30 | 4 53 1 | 12♐50'52 | 9♉46 | 13♐50 | 27♎31 | 12♑52 | 4♈54 | 28♏44 | 27♑37 | 21♍29 | 29♋ 9 | 8♍37 | 8♍41 | 19♐37 | 29♉58 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s57 | 4n 4 | 2s57 | 9s28 | 1n38 | 2n16 | 1n 3 | 24s21 | 1s 8 | 0n54 | 1s35 | 17s32 | 1n43 | 13n11 | 0n44 | 4n53 | 1n23 | 26n48 | 6n34 | 7n12 | 7n47 | 17s47 | 17n33 | 3s 7 |
| F 2 | 16 15 | 8 32 | 3 54 | 10 6 | 1 32 | 1 58 | 1 9 | 24 25 | 1 8 | 0 52 | 1 35 | 17 34 | 1 43 | 13 10 | 0 44 | 4 52 | 1 23 | 26 48 | 6 34 | 7 15 | 7 48 | 17 48 | 17 32 | 3 7 |
| S 3 | 16 33 | 12 34 | 4 36 | 10 44 | 1 25 | 1 39 | 1 14 | 24 28 | 1 9 | 0 50 | 1 35 | 17 36 | 1 43 | 13 10 | 0 44 | 4 51 | 1 23 | 26 49 | 6 34 | 7 18 | 7 49 | 17 48 | 17 32 | 3 7 |
| S 4 | 16 50 | 15 48 | 4 59 | 11 22 | 1 19 | 1 20 | 1 19 | 24 31 | 1 9 | 0 49 | 1 35 | 17 37 | 1 43 | 13 9 | 0 44 | 4 51 | 1 23 | 26 49 | 6 35 | 7 22 | 7 50 | 17 49 | 17 31 | 3 7 |
| M 5 | 17 8 | 17 58 | 5 1 | 12 0 | 1 13 | 1 1 | 1 24 | 24 34 | 1 9 | 0 47 | 1 34 | 17 39 | 1 43 | 13 9 | 0 44 | 4 50 | 1 23 | 26 49 | 6 35 | 7 26 | 7 52 | 17 50 | 17 30 | 3 7 |
| T 6 | 17 25 | 18 51 | 4 42 | 12 37 | 1 6 | 0 41 | 1 29 | 24 36 | 1 9 | 0 46 | 1 34 | 17 41 | 1 43 | 13 9 | 0 44 | 4 50 | 1 23 | 26 49 | 6 35 | 7 29 | 7 53 | 17 50 | 17 29 | 3 8 |
| W 7 | 17 41 | 18 26 | 4 5 | 13 14 | 0 59 | 0 21 | 1 33 | 24 38 | 1 9 | 0 45 | 1 34 | 17 43 | 1 42 | 13 8 | 0 44 | 4 49 | 1 23 | 26 50 | 6 35 | 7 32 | 7 54 | 17 51 | 17 28 | 3 8 |
| T 8 | 17 58 | 16 51 | 3 14 | 13 51 | 0 52 | 0 0 | 1 37 | 24 40 | 1 10 | 0 44 | 1 33 | 17 44 | 1 42 | 13 8 | 0 45 | 4 49 | 1 23 | 26 50 | 6 36 | 7 33 | 7 55 | 17 52 | 17 27 | 3 8 |
| F 9 | 18 14 | 14 18 | 2 12 | 14 27 | 0 46 | 0s20 | 1 42 | 24 41 | 1 10 | 0 42 | 1 33 | 17 46 | 1 42 | 13 8 | 0 45 | 4 48 | 1 23 | 26 50 | 6 36 | 7 34 | 7 56 | 17 53 | 17 27 | 3 8 |
| S 10 | 18 30 | 11 3 | 1 5 | 15 2 | 0 39 | 0 41 | 1 46 | 24 43 | 1 10 | 0 41 | 1 33 | 17 48 | 1 42 | 13 7 | 0 45 | 4 48 | 1 24 | 26 51 | 6 36 | 7 34 | 7 58 | 17 53 | 17 26 | 3 8 |
| S 11 | 18 45 | 7 19 | 0n 4 | 15 37 | 0 32 | 1 2 | 1 50 | 24 43 | 1 10 | 0 40 | 1 33 | 17 49 | 1 42 | 13 7 | 0 45 | 4 48 | 1 24 | 26 51 | 6 36 | 7 34 | 7 59 | 17 54 | 17 25 | 3 8 |
| M12 | 19 0 | 3 20 | 1 11 | 16 12 | 0 25 | 1 24 | 1 53 | 24 44 | 1 10 | 0 40 | 1 32 | 17 51 | 1 42 | 13 7 | 0 45 | 4 47 | 1 24 | 26 51 | 6 37 | 7 34 | 8 0 | 17 55 | 17 24 | 3 8 |
| T 13 | 19 15 | 0s43 | 2 14 | 16 45 | 0 18 | 1 46 | 1 57 | 24 45 | 1 10 | 0 39 | 1 32 | 17 53 | 1 42 | 13 6 | 0 45 | 4 47 | 1 24 | 26 52 | 6 37 | 7 35 | 8 1 | 17 56 | 17 23 | 3 9 |
| W14 | 19 30 | 4 41 | 3 9 | 17 18 | 0 11 | 2 8 | 2 0 | 24 45 | 1 10 | 0 38 | 1 32 | 17 54 | 1 42 | 13 6 | 0 45 | 4 46 | 1 24 | 26 52 | 6 37 | 7 37 | 8 2 | 17 56 | 17 22 | 3 9 |
| T 15 | 19 44 | 8 24 | 3 54 | 17 50 | 0 4 | 2 30 | 2 3 | 24 45 | 1 11 | 0 37 | 1 31 | 17 56 | 1 42 | 13 6 | 0 45 | 4 46 | 1 24 | 26 52 | 6 37 | 7 40 | 8 4 | 17 57 | 17 22 | 3 9 |
| F 16 | 19 57 | 11 45 | 4 28 | 18 22 | 0s 3 | 2 52 | 2 6 | 24 44 | 1 11 | 0 37 | 1 31 | 17 58 | 1 42 | 13 6 | 0 45 | 4 45 | 1 24 | 26 53 | 6 37 | 7 45 | 8 5 | 17 58 | 17 21 | 3 9 |
| S 17 | 20 11 | 14 34 | 4 50 | 18 52 | 0 9 | 3 15 | 2 9 | 24 43 | 1 11 | 0 36 | 1 31 | 17 59 | 1 42 | 13 6 | 0 45 | 4 45 | 1 24 | 26 53 | 6 38 | 7 50 | 8 6 | 17 59 | 17 20 | 3 9 |
| S 18 | 20 24 | 16 46 | 4 59 | 19 22 | 0 16 | 3 37 | 2 12 | 24 42 | 1 11 | 0 36 | 1 30 | 18 1 | 1 42 | 13 5 | 0 45 | 4 45 | 1 24 | 26 53 | 6 38 | 7 56 | 8 7 | 17 59 | 17 19 | 3 9 |
| M19 | 20 36 | 18 15 | 4 55 | 19 51 | 0 23 | 4 0 | 2 14 | 24 41 | 1 11 | 0 36 | 1 30 | 18 3 | 1 42 | 13 5 | 0 45 | 4 44 | 1 24 | 26 54 | 6 38 | 8 1 | 8 8 | 18 0 | 17 18 | 3 9 |
| T 20 | 20 48 | 18 56 | 4 38 | 20 19 | 0 29 | 4 23 | 2 17 | 24 39 | 1 11 | 0 36 | 1 30 | 18 4 | 1 42 | 13 5 | 0 45 | 4 44 | 1 24 | 26 54 | 6 38 | 8 7 | 8 10 | 18 1 | 17 17 | 3 9 |
| W21 | 21 0 | 18 47 | 4 9 | 20 46 | 0 35 | 4 46 | 2 19 | 24 38 | 1 11 | 0 35 | 1 29 | 18 6 | 1 42 | 13 5 | 0 45 | 4 44 | 1 24 | 26 55 | 6 39 | 8 11 | 8 11 | 18 1 | 17 17 | 3 9 |
| T 22 | 21 12 | 17 49 | 3 29 | 21 12 | 0 42 | 5 9 | 2 21 | 24 35 | 1 11 | 0 35 | 1 29 | 18 8 | 1 42 | 13 5 | 0 45 | 4 43 | 1 24 | 26 55 | 6 39 | 8 14 | 8 12 | 18 2 | 17 16 | 3 10 |
| F 23 | 21 23 | 16 3 | 2 40 | 21 37 | 0 48 | 5 32 | 2 23 | 24 33 | 1 11 | 0 35 | 1 29 | 18 9 | 1 42 | 13 5 | 0 45 | 4 43 | 1 24 | 26 55 | 6 39 | 8 16 | 8 13 | 18 3 | 17 15 | 3 10 |
| S 24 | 21 33 | 13 33 | 1 42 | 22 1 | 0 54 | 5 56 | 2 25 | 24 30 | 1 11 | 0 36 | 1 29 | 18 11 | 1 42 | 13 5 | 0 45 | 4 43 | 1 24 | 26 56 | 6 39 | 8 17 | 8 14 | 18 3 | 17 14 | 3 10 |
| S 25 | 21 43 | 10 23 | 0 39 | 22 24 | 1 0 | 6 19 | 2 27 | 24 27 | 1 11 | 0 36 | 1 28 | 18 12 | 1 42 | 13 5 | 0 45 | 4 42 | 1 24 | 26 56 | 6 40 | 8 17 | 8 16 | 18 4 | 17 13 | 3 10 |
| M26 | 21 53 | 6 39 | 0s29 | 22 45 | 1 5 | 6 42 | 2 28 | 24 24 | 1 11 | 0 36 | 1 28 | 18 14 | 1 42 | 13 5 | 0 45 | 4 42 | 1 24 | 26 56 | 6 40 | 8 17 | 8 17 | 18 5 | 17 13 | 3 10 |
| T 27 | 22 3 | 2 30 | 1 36 | 23 6 | 1 11 | 7 6 | 2 29 | 24 20 | 1 11 | 0 37 | 1 28 | 18 16 | 1 42 | 13 5 | 0 45 | 4 42 | 1 24 | 26 57 | 6 40 | 8 18 | 8 18 | 18 5 | 17 12 | 3 10 |
| W28 | 22 11 | 1n55 | 2 41 | 23 26 | 1 16 | 7 29 | 2 31 | 24 16 | 1 11 | 0 37 | 1 27 | 18 17 | 1 42 | 13 5 | 0 45 | 4 42 | 1 24 | 26 57 | 6 40 | 8 18 | 8 19 | 18 6 | 17 11 | 3 10 |
| T 29 | 22 20 | 6 24 | 3 38 | 23 44 | 1 21 | 7 53 | 2 32 | 24 12 | 1 11 | 0 38 | 1 27 | 18 19 | 1 42 | 13 5 | 0 45 | 4 41 | 1 25 | 26 58 | 6 40 | 8 20 | 8 20 | 18 7 | 17 10 | 3 10 |
| F 30 | 22s28 | 10n39 | 4s24 | 24s 1 | 1s26 | 8s16 | 2n33 | 24s 8 | 1s11 | 0n38 | 1s27 | 18s20 | 1n42 | 13n 5 | 0n45 | 4n41 | 1n25 | 26n58 | 6n41 | 8n23 | 8n22 | 18s 8 | 17n 9 | 3s10 |

Julian Day Number = 2070175.5, Delta T = 28m18s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'18, Lahiri = 9°18'18 Julian Calendar 1 Nov. 955 == Greg. Calendar 6 Nov. 955


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# ASTRODIENST EPHEMERIS for the year 955
# geocentric

## DECEMBER 955 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 56 58 | 13♐52'01 | 24♉48 | 15♐25 | 28♎39 | 13♑39 | 4♈56 | 28♏51 | 27°R36 | 21♍30 | 29°R 8 | 8°R26 | 8♍38 | 19♐43 | 29°R55 | S 1 |
| S 2 | 5 0 54 | 14°53'10 | 10♊ 6 | 17° 0 | 29°47 | 14°26 | 4°57 | 28°58 | 27♌36 | 21°31 | 29♋ 7 | 8♍15 | 8°34 | 19°50 | 29♉51 | S 2 |
| M 3 | 5 4 51 | 15°54'19 | 25°29 | 18°36 | 0♏55 | 15°13 | 4°58 | 29° 5 | 27°36 | 21°31 | 29° 6 | 8° 3 | 8°31 | 19°57 | 29°48 | M 3 |
| T 4 | 5 8 47 | 16°55'29 | 10♋45 | 20°12 | 2° 4 | 16° 0 | 5° 0 | 29°12 | 27°36 | 21°32 | 29° 5 | 7°53 | 8°28 | 20° 4 | 29°45 | T 4 |
| W 5 | 5 12 44 | 17°56'39 | 25°44 | 21°48 | 3°12 | 16°47 | 5° 2 | 29°18 | 27°35 | 21°32 | 29° 4 | 7°45 | 8°25 | 20°10 | 29°41 | W 5 |
| T 6 | 5 16 40 | 18°57'50 | 10♌18 | 23°24 | 4°21 | 17°34 | 5° 4 | 29°25 | 27°35 | 21°33 | 29° 3 | 7°40 | 8°22 | 20°17 | 29°38 | T 6 |
| F 7 | 5 20 37 | 19°59'01 | 24°23 | 25° 1 | 5°30 | 18°21 | 5° 6 | 29°32 | 27°34 | 21°33 | 29° 2 | 7°38 | 8°19 | 20°24 | 29°35 | F 7 |
| S 8 | 5 24 34 | 21° 0'13 | 7♍59 | 26°37 | 6°39 | 19° 8 | 5° 9 | 29°39 | 27°34 | 21°33 | 29° 1 | 7°D37 | 8°15 | 20°31 | 29°32 | S 8 |
| S 9 | 5 28 30 | 22° 1'25 | 21° 8 | 28°15 | 7°48 | 19°55 | 5°11 | 29°46 | 27°33 | 21°34 | 29° 0 | 7°R38 | 8°12 | 20°37 | 29°28 | S 9 |
| M10 | 5 32 27 | 23° 2'37 | 3♎54 | 29°52 | 8°58 | 20°43 | 5°14 | 29°52 | 27°33 | 21°34 | 28°59 | 7°37 | 8° 9 | 20°44 | 29°25 | M10 |
| T 11 | 5 36 23 | 24° 3'50 | 16°22 | 1♑29 | 10° 7 | 21°30 | 5°17 | 29°59 | 27°32 | 21°34 | 28°58 | 7°35 | 8° 6 | 20°51 | 29°22 | T 11 |
| W12 | 5 40 20 | 25° 5'03 | 28°36 | 3° 7 | 11°17 | 22°17 | 5°21 | 0♐ 6 | 27°31 | 21°35 | 28°57 | 7°30 | 8° 3 | 20°57 | 29°19 | W12 |
| T 13 | 5 44 16 | 26° 6'16 | 10♏40 | 4°45 | 12°27 | 23° 4 | 5°24 | 0°12 | 27°31 | 21°35 | 28°55 | 7°22 | 8° 0 | 21° 4 | 29°16 | T 13 |
| F 14 | 5 48 13 | 27° 7'30 | 22°38 | 6°23 | 13°37 | 23°51 | 5°28 | 0°19 | 27°30 | 21°35 | 28°54 | 7°12 | 7°56 | 21°11 | 29°13 | F 14 |
| S 15 | 5 52 9 | 28° 8'43 | 4♐32 | 8° 2 | 14°47 | 24°39 | 5°32 | 0°25 | 27°29 | 21°35 | 28°53 | 6°59 | 7°53 | 21°18 | 29°10 | S 15 |
| S 16 | 5 56 6 | 29° 9'57 | 16°24 | 9°40 | 15°58 | 25°26 | 5°36 | 0°32 | 27°28 | 21°35 | 28°52 | 6°46 | 7°50 | 21°24 | 29° 7 | S 16 |
| M17 | 6 0 3 | 0♑11'10 | 28°16 | 11°18 | 17° 8 | 26°13 | 5°40 | 0°38 | 27°27 | 21°36 | 28°51 | 6°32 | 7°47 | 21°31 | 29° 4 | M17 |
| T 18 | 6 3 59 | 1°12'24 | 10♑ 9 | 12°57 | 18°18 | 27° 1 | 5°45 | 0°45 | 27°26 | 21°36 | 28°49 | 6°20 | 7°44 | 21°38 | 29° 1 | T 18 |
| W19 | 6 7 56 | 2°13'37 | 22° 4 | 14°35 | 19°29 | 27°48 | 5°49 | 0°51 | 27°25 | 21°R36 | 28°48 | 6° 9 | 7°40 | 21°44 | 28°59 | W19 |
| T 20 | 6 11 52 | 3°14'49 | 4♒ 3 | 16°13 | 20°40 | 28°35 | 5°54 | 0°58 | 27°24 | 21°36 | 28°47 | 6° 2 | 7°37 | 21°51 | 28°56 | T 20 |
| F 21 | 6 15 49 | 4°16'01 | 16° 9 | 17°50 | 21°51 | 29°23 | 5°59 | 1° 4 | 27°22 | 21°36 | 28°46 | 5°57 | 7°34 | 21°58 | 28°53 | F 21 |
| S 22 | 6 19 45 | 5°17'13 | 28°23 | 19°27 | 23° 2 | 0♒10 | 6° 4 | 1°10 | 27°21 | 21°35 | 28°45 | 5°55 | 7°31 | 22° 5 | 28°51 | S 22 |
| S 23 | 6 23 42 | 6°18'24 | 10♓50 | 21° 3 | 24°13 | 0°57 | 6°10 | 1°17 | 27°20 | 21°35 | 28°43 | 5°D54 | 7°28 | 22°11 | 28°48 | S 23 |
| M24 | 6 27 38 | 7°19'34 | 23°33 | 22°38 | 25°24 | 1°45 | 6°15 | 1°23 | 27°18 | 21°35 | 28°42 | 5°55 | 7°25 | 22°18 | 28°46 | M24 |
| T 25 | 6 31 35 | 8°20'44 | 6♈37 | 24°12 | 26°35 | 2°32 | 6°21 | 1°29 | 27°17 | 21°35 | 28°41 | 5°R56 | 7°21 | 22°25 | 28°43 | T 25 |
| W26 | 6 35 32 | 9°21'52 | 20° 4 | 25°44 | 27°46 | 3°19 | 6°27 | 1°35 | 27°16 | 21°35 | 28°39 | 5°55 | 7°18 | 22°31 | 28°41 | W26 |
| T 27 | 6 39 28 | 10°23'00 | 3♉58 | 27°14 | 28°58 | 4° 7 | 6°33 | 1°41 | 27°14 | 21°34 | 28°38 | 5°53 | 7°15 | 22°38 | 28°38 | T 27 |
| F 28 | 6 43 25 | 11°24'07 | 18°19 | 28°42 | 0♐ 9 | 4°54 | 6°39 | 1°47 | 27°13 | 21°34 | 28°37 | 5°48 | 7°12 | 22°45 | 28°36 | F 28 |
| S 29 | 6 47 21 | 12°25'14 | 3♊ 5 | 0♒ 7 | 1°20 | 5°41 | 6°46 | 1°53 | 27°11 | 21°34 | 28°35 | 5°41 | 7° 9 | 22°52 | 28°34 | S 29 |
| S 30 | 6 51 18 | 13°26'19 | 18°10 | 1°28 | 2°32 | 6°29 | 6°52 | 1°59 | 27° 9 | 21°33 | 28°34 | 5°33 | 7° 6 | 22°58 | 28°31 | S 30 |
| M31 | 6 55 14 | 14♑27'24 | 3♋25 | 2♒45 | 3♐44 | 7♒16 | 6♈59 | 2♐ 5 | 27♌ 8 | 21♍33 | 28♋33 | 5♍25 | 7♍ 2 | 23♐ 5 | 28♉29 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s35 | 14n21 | 4s52 | 24s17 | 1s31 | 8s40 | 2n33 | 24s 3 | 1s11 | 0n39 | 1s26 | 18s22 | 1n42 | 13n 5 | 0n46 | 4n41 | 1n25 | 26n58 | 6n41 | 8n27 | 8n23 | 18s 8 | 17n 9 | 3s10 |
| S 2 | 22 43 | 17 8 | 5 0 | 24 31 | 1 36 | 9 3 | 2 34 | 23 58 | 1 11 | 0 40 | 1 26 | 18 23 | 1 42 | 13 5 | 0 46 | 4 41 | 1 25 | 26 59 | 6 41 | 8 31 | 8 24 | 18 9 | 17 8 | 3 10 |
| M 3 | 22 49 | 18 43 | 4 47 | 24 44 | 1 40 | 9 26 | 2 35 | 23 53 | 1 11 | 0 41 | 1 26 | 18 25 | 1 42 | 13 5 | 0 46 | 4 41 | 1 25 | 26 59 | 6 41 | 8 36 | 8 25 | 18 10 | 17 7 | 3 10 |
| T 4 | 22 56 | 18 56 | 4 13 | 24 56 | 1 44 | 9 50 | 2 35 | 23 47 | 1 11 | 0 42 | 1 25 | 18 26 | 1 42 | 13 5 | 0 46 | 4 40 | 1 25 | 27 0 | 6 41 | 8 39 | 8 26 | 18 10 | 17 7 | 3 10 |
| W 5 | 23 1 | 17 48 | 3 22 | 25 7 | 1 48 | 10 13 | 2 35 | 23 41 | 1 11 | 0 43 | 1 25 | 18 28 | 1 42 | 13 5 | 0 46 | 4 40 | 1 25 | 27 0 | 6 42 | 8 42 | 8 28 | 18 11 | 17 6 | 3 10 |
| T 6 | 23 7 | 15 32 | 2 19 | 25 16 | 1 51 | 10 36 | 2 36 | 23 35 | 1 11 | 0 44 | 1 25 | 18 29 | 1 42 | 13 6 | 0 46 | 4 40 | 1 25 | 27 0 | 6 42 | 8 44 | 8 29 | 18 12 | 17 5 | 3 10 |
| F 7 | 23 11 | 12 23 | 1 10 | 25 23 | 1 55 | 10 59 | 2 36 | 23 29 | 1 11 | 0 45 | 1 24 | 18 31 | 1 42 | 13 6 | 0 46 | 4 40 | 1 25 | 27 1 | 6 42 | 8 45 | 8 30 | 18 12 | 17 4 | 3 10 |
| S 8 | 23 16 | 8 39 | 0n 2 | 25 29 | 1 57 | 11 22 | 2 36 | 23 22 | 1 11 | 0 46 | 1 24 | 18 32 | 1 42 | 13 6 | 0 46 | 4 40 | 1 25 | 27 1 | 6 42 | 8 45 | 8 31 | 18 13 | 17 4 | 3 10 |
| S 9 | 23 20 | 4 37 | 1 11 | 25 34 | 2 0 | 11 44 | 2 35 | 23 15 | 1 11 | 0 48 | 1 24 | 18 33 | 1 42 | 13 6 | 0 46 | 4 40 | 1 25 | 27 2 | 6 42 | 8 45 | 8 32 | 18 13 | 17 3 | 3 10 |
| M10 | 23 23 | 0 30 | 2 14 | 25 37 | 2 2 | 12 7 | 2 35 | 23 8 | 1 11 | 0 49 | 1 23 | 18 35 | 1 42 | 13 7 | 0 46 | 4 40 | 1 25 | 27 2 | 6 43 | 8 46 | 8 34 | 18 14 | 17 2 | 3 10 |
| T 11 | 23 26 | 3s33 | 3 10 | 25 38 | 2 4 | 12 29 | 2 35 | 23 0 | 1 11 | 0 51 | 1 23 | 18 36 | 1 42 | 13 7 | 0 46 | 4 40 | 1 25 | 27 3 | 6 43 | 8 46 | 8 35 | 18 15 | 17 2 | 3 10 |
| W12 | 23 29 | 7 22 | 3 55 | 25 38 | 2 6 | 12 51 | 2 34 | 22 53 | 1 11 | 0 52 | 1 23 | 18 38 | 1 42 | 13 7 | 0 46 | 4 40 | 1 25 | 27 3 | 6 43 | 8 48 | 8 36 | 18 15 | 17 1 | 3 10 |
| T 13 | 23 31 | 10 50 | 4 30 | 25 36 | 2 7 | 13 13 | 2 33 | 22 45 | 1 11 | 0 54 | 1 22 | 18 39 | 1 42 | 13 7 | 0 46 | 4 40 | 1 25 | 27 3 | 6 43 | 8 51 | 8 37 | 18 16 | 17 0 | 3 10 |
| F 14 | 23 32 | 13 50 | 4 52 | 25 33 | 2 8 | 13 35 | 2 33 | 22 36 | 1 10 | 0 56 | 1 22 | 18 40 | 1 42 | 13 8 | 0 46 | 4 40 | 1 25 | 27 4 | 6 43 | 8 55 | 8 38 | 18 17 | 17 0 | 3 10 |
| S 15 | 23 34 | 16 14 | 5 1 | 25 27 | 2 8 | 13 57 | 2 32 | 22 28 | 1 10 | 0 57 | 1 22 | 18 42 | 1 42 | 13 8 | 0 46 | 4 40 | 1 25 | 27 4 | 6 44 | 9 0 | 8 39 | 18 17 | 16 59 | 3 10 |
| S 16 | 23 34 | 17 57 | 4 57 | 25 21 | 2 8 | 14 18 | 2 31 | 22 19 | 1 10 | 0 59 | 1 21 | 18 43 | 1 42 | 13 9 | 0 46 | 4 40 | 1 25 | 27 5 | 6 44 | 9 5 | 8 41 | 18 18 | 16 58 | 3 10 |
| M17 | 23 34 | 18 53 | 4 40 | 25 12 | 2 7 | 14 39 | 2 30 | 22 10 | 1 10 | 1 1 | 1 21 | 18 44 | 1 42 | 13 9 | 0 46 | 4 40 | 1 26 | 27 5 | 6 44 | 9 10 | 8 42 | 18 19 | 16 58 | 3 10 |
| T 18 | 23 34 | 19 0 | 4 11 | 25 2 | 2 6 | 15 0 | 2 29 | 22 1 | 1 10 | 1 3 | 1 21 | 18 46 | 1 42 | 13 9 | 0 46 | 4 40 | 1 26 | 27 5 | 6 44 | 9 14 | 8 43 | 18 19 | 16 57 | 3 10 |
| W19 | 23 33 | 18 17 | 3 31 | 24 50 | 2 4 | 15 20 | 2 27 | 21 51 | 1 10 | 1 6 | 1 21 | 18 47 | 1 42 | 13 10 | 0 46 | 4 40 | 1 26 | 27 6 | 6 44 | 9 18 | 8 44 | 18 20 | 16 57 | 3 10 |
| T 20 | 23 32 | 16 44 | 2 41 | 24 36 | 2 2 | 15 40 | 2 26 | 21 42 | 1 10 | 1 8 | 1 20 | 18 48 | 1 42 | 13 10 | 0 46 | 4 40 | 1 26 | 27 6 | 6 44 | 9 21 | 8 45 | 18 20 | 16 56 | 3 10 |
| F 21 | 23 30 | 14 26 | 1 43 | 24 20 | 1 59 | 16 0 | 2 25 | 21 32 | 1 9 | 1 10 | 1 20 | 18 50 | 1 42 | 13 11 | 0 46 | 4 40 | 1 26 | 27 7 | 6 44 | 9 23 | 8 47 | 18 21 | 16 56 | 3 10 |
| S 22 | 23 28 | 11 28 | 0 40 | 24 3 | 1 55 | 16 20 | 2 23 | 21 21 | 1 9 | 1 12 | 1 20 | 18 51 | 1 42 | 13 11 | 0 46 | 4 40 | 1 26 | 27 7 | 6 45 | 9 24 | 8 48 | 18 22 | 16 55 | 3 10 |
| S 23 | 23 25 | 7 57 | 0s26 | 23 45 | 1 51 | 16 39 | 2 21 | 21 11 | 1 9 | 1 15 | 1 19 | 18 52 | 1 42 | 13 12 | 0 46 | 4 40 | 1 26 | 27 8 | 6 45 | 9 24 | 8 49 | 18 22 | 16 55 | 3 10 |
| M24 | 23 22 | 4 0 | 1 33 | 23 24 | 1 46 | 16 57 | 2 20 | 21 0 | 1 9 | 1 17 | 1 19 | 18 53 | 1 42 | 13 12 | 0 46 | 4 40 | 1 26 | 27 8 | 6 45 | 9 23 | 8 50 | 18 23 | 16 54 | 3 10 |
| T 25 | 23 18 | 0n14 | 2 37 | 23 2 | 1 40 | 17 16 | 2 18 | 20 49 | 1 9 | 1 20 | 1 19 | 18 54 | 1 42 | 13 13 | 0 47 | 4 40 | 1 26 | 27 8 | 6 45 | 9 23 | 8 51 | 18 23 | 16 54 | 3 10 |
| W26 | 23 14 | 4 35 | 3 34 | 22 39 | 1 34 | 17 34 | 2 16 | 20 38 | 1 9 | 1 22 | 1 18 | 18 56 | 1 42 | 13 13 | 0 47 | 4 40 | 1 26 | 27 9 | 6 45 | 9 23 | 8 53 | 18 24 | 16 53 | 3 10 |
| T 27 | 23 10 | 8 50 | 4 20 | 22 14 | 1 26 | 17 52 | 2 14 | 20 27 | 1 8 | 1 25 | 1 18 | 18 57 | 1 42 | 13 14 | 0 47 | 4 41 | 1 26 | 27 9 | 6 45 | 9 24 | 8 54 | 18 25 | 16 53 | 3 10 |
| F 28 | 23 5 | 12 42 | 4 52 | 21 48 | 1 18 | 18 9 | 2 12 | 20 15 | 1 8 | 1 28 | 1 18 | 18 58 | 1 42 | 13 14 | 0 47 | 4 41 | 1 26 | 27 10 | 6 46 | 9 26 | 8 55 | 18 25 | 16 52 | 3 10 |
| S 29 | 22 59 | 15 53 | 5 6 | 21 22 | 1 9 | 18 25 | 2 10 | 20 3 | 1 8 | 1 31 | 1 18 | 18 59 | 1 42 | 13 15 | 0 47 | 4 41 | 1 26 | 27 10 | 6 46 | 9 29 | 8 56 | 18 26 | 16 52 | 3 10 |
| S 30 | 22 53 | 18 5 | 4 59 | 20 54 | 0 59 | 18 42 | 2 8 | 19 51 | 1 8 | 1 34 | 1 17 | 19 0 | 1 42 | 13 15 | 0 47 | 4 41 | 1 26 | 27 10 | 6 46 | 9 32 | 8 57 | 18 26 | 16 51 | 3 10 |
| M31 | 22s47 | 19n 1 | 4s31 | 20s25 | 0s48 | 18s58 | 2n 5 | 19s39 | 1s 7 | 1n36 | 1s17 | 19s 1 | 1n42 | 13n16 | 0n47 | 4n41 | 1n26 | 27n11 | 6n46 | 9n35 | 8n58 | 18s27 | 16n51 | 3s10 |

Julian Day Number = 2070205.5, Delta T = 28m17s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'22, Lahiri = 9°18'23 Julian Calendar 1 Dec. 955 == Greg. Calendar 6 Dec. 955


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## JANUARY 956 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 59 11 | 15♉28'27 | 18♋39 | 3♒58 | 4♐55 | 8♒ 4 | 7♈ 6 | 2♐11 | 27°R 6 | 21°R33 | 28°R31 | 5°R17 | 6♍59 | 23♐12 | 28°R27 | T 1 |
| W 2 | 7 3 7 | 16°29'30 | 3♌42 | 5° 5 | 6° 7 | 8°51 | 7°13 | 2°16 | 27♌ 4 | 21♍32 | 28♋30 | 5♍12 | 6°56 | 23°19 | 28♉25 | W 2 |
| T 3 | 7 7 4 | 17°30'32 | 18°24 | 6° 5 | 7°19 | 9°38 | 7°20 | 2°22 | 27° 3 | 21°32 | 28°29 | 5° 8 | 6°53 | 23°25 | 28°23 | T 3 |
| F 4 | 7 11 1 | 18°31'34 | 2♍40 | 6°59 | 8°31 | 10°26 | 7°27 | 2°28 | 27° 1 | 21°31 | 28°27 | 5°D 7 | 6°50 | 23°32 | 28°21 | F 4 |
| S 5 | 7 14 57 | 19°32'35 | 16°27 | 7°45 | 9°43 | 11°13 | 7°35 | 2°33 | 26°59 | 21°31 | 28°26 | 5° 7 | 6°46 | 23°39 | 28°20 | S 5 |
| S 6 | 7 18 54 | 20°33'35 | 29°46 | 8°21 | 10°55 | 12° 0 | 7°43 | 2°39 | 26°57 | 21°30 | 28°24 | 5° 9 | 6°43 | 23°45 | 28°18 | S 6 |
| M 7 | 7 22 50 | 21°34'34 | 12♎40 | 8°48 | 12° 7 | 12°48 | 7°51 | 2°44 | 26°55 | 21°29 | 28°23 | 5°10 | 6°40 | 23°52 | 28°16 | M 7 |
| T 8 | 7 26 47 | 22°35'33 | 25°12 | 9° 5 | 13°20 | 13°35 | 7°59 | 2°50 | 26°53 | 21°29 | 28°22 | 5°R10 | 6°37 | 23°59 | 28°15 | T 8 |
| W 9 | 7 30 43 | 23°36'31 | 7♏27 | 9°R11 | 14°32 | 14°22 | 8° 7 | 2°55 | 26°51 | 21°28 | 28°20 | 5° 9 | 6°34 | 24° 6 | 28°13 | W 9 |
| T 10 | 7 34 40 | 24°37'29 | 19°30 | 9° 6 | 15°44 | 15° 9 | 8°15 | 3° 0 | 26°49 | 21°27 | 28°19 | 5° 6 | 6°31 | 24°12 | 28°11 | T 10 |
| F 11 | 7 38 36 | 25°38'25 | 1♐25 | 8°50 | 16°57 | 15°57 | 8°23 | 3° 6 | 26°47 | 21°27 | 28°17 | 5° 1 | 6°27 | 24°19 | 28°10 | F 11 |
| S 12 | 7 42 33 | 26°39'21 | 13°16 | 8°22 | 18° 9 | 16°44 | 8°32 | 3°11 | 26°45 | 21°26 | 28°16 | 4°55 | 6°24 | 24°26 | 28° 9 | S 12 |
| S 13 | 7 46 30 | 27°40'16 | 25° 7 | 7°44 | 19°22 | 17°31 | 8°41 | 3°16 | 26°42 | 21°25 | 28°15 | 4°48 | 6°21 | 24°32 | 28° 7 | S 13 |
| M14 | 7 50 26 | 28°41'09 | 7♑ 0 | 6°56 | 20°34 | 18°19 | 8°50 | 3°21 | 26°40 | 21°24 | 28°13 | 4°40 | 6°18 | 24°39 | 28° 6 | M14 |
| T 15 | 7 54 23 | 29°42'02 | 18°57 | 6° 0 | 21°47 | 19° 6 | 8°59 | 3°26 | 26°38 | 21°23 | 28°12 | 4°34 | 6°15 | 24°46 | 28° 5 | T 15 |
| W16 | 7 58 19 | 0♒42'53 | 0♒59 | 4°57 | 22°59 | 19°53 | 9° 8 | 3°31 | 26°36 | 21°23 | 28°10 | 4°28 | 6°12 | 24°53 | 28° 4 | W16 |
| T 17 | 8 2 16 | 1°43'43 | 13° 9 | 3°49 | 24°12 | 20°40 | 9°17 | 3°35 | 26°34 | 21°22 | 28° 9 | 4°25 | 6° 8 | 24°59 | 28° 3 | T 17 |
| F 18 | 8 6 12 | 2°44'32 | 25°28 | 2°38 | 25°25 | 21°27 | 9°26 | 3°40 | 26°31 | 21°21 | 28° 8 | 4°23 | 6° 5 | 25° 6 | 28° 2 | F 18 |
| S 19 | 8 10 9 | 3°45'19 | 7♓56 | 1°27 | 26°37 | 22°15 | 9°36 | 3°45 | 26°29 | 21°20 | 28° 6 | 4°D22 | 6° 2 | 25°13 | 28° 1 | S 19 |
| S 20 | 8 14 5 | 4°46'05 | 20°36 | 0°16 | 27°50 | 23° 2 | 9°45 | 3°49 | 26°27 | 21°19 | 28° 5 | 4°23 | 5°59 | 25°19 | 28° 0 | S 20 |
| M21 | 8 18 2 | 5°46'49 | 3♈30 | 29♑ 7 | 29° 3 | 23°49 | 9°55 | 3°54 | 26°24 | 21°18 | 28° 3 | 4°25 | 5°56 | 25°26 | 28° 0 | M21 |
| T 22 | 8 21 59 | 6°47'31 | 16°39 | 28° 4 | 0♑16 | 24°36 | 10° 5 | 3°58 | 26°22 | 21°17 | 28° 2 | 4°26 | 5°52 | 25°33 | 27°59 | T 22 |
| W23 | 8 25 55 | 7°48'12 | 0♉ 7 | 27° 5 | 1°28 | 25°23 | 10°15 | 4° 3 | 26°19 | 21°16 | 28° 1 | 4°28 | 5°49 | 25°40 | 27°58 | W23 |
| T 24 | 8 29 52 | 8°48'51 | 13°54 | 26°14 | 2°41 | 26°10 | 10°25 | 4° 7 | 26°17 | 21°14 | 27°59 | 4°R28 | 5°46 | 25°46 | 27°58 | T 24 |
| F 25 | 8 33 48 | 9°49'28 | 28° 1 | 25°29 | 3°54 | 26°57 | 10°35 | 4°11 | 26°14 | 21°13 | 27°58 | 4°27 | 5°43 | 25°53 | 27°57 | F 25 |
| S 26 | 8 37 45 | 10°50'03 | 12♊26 | 24°52 | 5° 7 | 27°44 | 10°46 | 4°15 | 26°12 | 21°12 | 27°56 | 4°24 | 5°40 | 26° 0 | 27°57 | S 26 |
| S 27 | 8 41 41 | 11°50'37 | 27° 7 | 24°23 | 6°20 | 28°31 | 10°56 | 4°19 | 26° 9 | 21°11 | 27°55 | 4°22 | 5°37 | 26° 6 | 27°57 | S 27 |
| M28 | 8 45 38 | 12°51'09 | 11♋58 | 24° 2 | 7°33 | 29°18 | 11° 7 | 4°23 | 26° 7 | 21°10 | 27°54 | 4°19 | 5°33 | 26°13 | 27°57 | M28 |
| T 29 | 8 49 34 | 13°51'39 | 26°51 | 23°49 | 8°46 | 0♓ 5 | 11°18 | 4°27 | 26° 4 | 21° 9 | 27°52 | 4°16 | 5°30 | 26°20 | 27°57 | T 29 |
| W30 | 8 53 31 | 14°52'07 | 11♌38 | 23°D42 | 9°59 | 0°52 | 11°28 | 4°31 | 26° 2 | 21° 7 | 27°51 | 4°14 | 5°27 | 26°27 | 27°D57 | W30 |
| T 31 | 8 57 28 | 15♒52'33 | 26♌12 | 23♑43 | 11♑12 | 1♓39 | 11♈39 | 4♐35 | 25♌59 | 21♍ 6 | 27♋50 | 4♍13 | 5♍24 | 26♐33 | 27♉57 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s40 | 18n35 | 3s43 | 19s57 | 0s36 | 19s13 | 2n 3 | 19s26 | 1s 7 | 1n39 | 1s17 | 19s 2 | 1n42 | 13n17 | 0n47 | 4n42 | 1n26 | 27n11 | 6n46 | 9n37 | 9n 0 | 18s28 | 16n51 | 3s10 |
| W 2 | 22 33 | 16 49 | 2 41 | 19 28 | 0 23 | 19 28 | 2 1 | 19 13 | 1 7 | 1 43 | 1 16 | 19 3 | 1 42 | 13 17 | 0 47 | 4 42 | 1 26 | 27 12 | 6 46 | 9 39 | 9 1 | 18 28 | 16 50 | 3 10 |
| T 3 | 22 25 | 13 59 | 1 29 | 19 0 | 0 9 | 19 43 | 1 58 | 19 1 | 1 7 | 1 46 | 1 16 | 19 5 | 1 42 | 13 18 | 0 47 | 4 42 | 1 26 | 27 12 | 6 46 | 9 41 | 9 2 | 18 29 | 16 50 | 3 10 |
| F 4 | 22 17 | 10 22 | 0 13 | 18 32 | 0n 6 | 19 57 | 1 56 | 18 47 | 1 7 | 1 49 | 1 16 | 19 6 | 1 43 | 13 19 | 0 47 | 4 42 | 1 27 | 27 13 | 6 46 | 9 41 | 9 3 | 18 29 | 16 49 | 3 9 |
| S 5 | 22 8 | 6 19 | 1n 1 | 18 5 | 0 22 | 20 10 | 1 53 | 18 34 | 1 6 | 1 52 | 1 16 | 19 7 | 1 43 | 13 19 | 0 47 | 4 43 | 1 27 | 27 13 | 6 46 | 9 41 | 9 4 | 18 30 | 16 49 | 3 9 |
| S 6 | 21 59 | 2 4 | 2 9 | 17 39 | 0 39 | 20 23 | 1 50 | 18 21 | 1 6 | 1 55 | 1 15 | 19 8 | 1 43 | 13 20 | 0 47 | 4 43 | 1 27 | 27 13 | 6 47 | 9 41 | 9 6 | 18 31 | 16 49 | 3 9 |
| M 7 | 21 50 | 2s 8 | 3 9 | 17 16 | 0 56 | 20 35 | 1 48 | 18 7 | 1 6 | 1 59 | 1 15 | 19 9 | 1 43 | 13 21 | 0 47 | 4 43 | 1 27 | 27 14 | 6 47 | 9 40 | 9 7 | 18 31 | 16 49 | 3 9 |
| T 8 | 21 40 | 6 7 | 3 58 | 16 54 | 1 13 | 20 47 | 1 45 | 17 53 | 1 5 | 2 2 | 1 15 | 19 10 | 1 43 | 13 21 | 0 47 | 4 43 | 1 27 | 27 14 | 6 47 | 9 40 | 9 8 | 18 32 | 16 48 | 3 9 |
| W 9 | 21 30 | 9 45 | 4 35 | 16 35 | 1 31 | 20 59 | 1 42 | 17 39 | 1 5 | 2 6 | 1 15 | 19 11 | 1 43 | 13 22 | 0 47 | 4 44 | 1 27 | 27 14 | 6 47 | 9 40 | 9 9 | 18 32 | 16 48 | 3 9 |
| T 10 | 21 19 | 12 55 | 4 58 | 16 20 | 1 49 | 21 9 | 1 39 | 17 25 | 1 5 | 2 9 | 1 14 | 19 11 | 1 43 | 13 23 | 0 47 | 4 44 | 1 27 | 27 15 | 6 47 | 9 42 | 9 10 | 18 33 | 16 48 | 3 9 |
| F 11 | 21 8 | 15 31 | 5 9 | 16 7 | 2 7 | 21 20 | 1 37 | 17 10 | 1 5 | 2 13 | 1 14 | 19 12 | 1 43 | 13 24 | 0 47 | 4 44 | 1 27 | 27 15 | 6 47 | 9 43 | 9 11 | 18 33 | 16 48 | 3 9 |
| S 12 | 20 56 | 17 27 | 5 7 | 15 57 | 2 24 | 21 29 | 1 34 | 16 56 | 1 4 | 2 16 | 1 14 | 19 13 | 1 43 | 13 24 | 0 47 | 4 45 | 1 27 | 27 16 | 6 47 | 9 46 | 9 13 | 18 34 | 16 47 | 3 9 |
| S 13 | 20 45 | 18 38 | 4 51 | 15 52 | 2 40 | 21 38 | 1 31 | 16 41 | 1 4 | 2 20 | 1 14 | 19 14 | 1 43 | 13 25 | 0 47 | 4 45 | 1 27 | 27 16 | 6 47 | 9 48 | 9 14 | 18 34 | 16 47 | 3 9 |
| M14 | 20 32 | 19 1 | 4 22 | 15 49 | 2 55 | 21 47 | 1 28 | 16 26 | 1 4 | 2 24 | 1 13 | 19 15 | 1 43 | 13 26 | 0 47 | 4 45 | 1 27 | 27 16 | 6 47 | 9 51 | 9 15 | 18 35 | 16 47 | 3 9 |
| T 15 | 20 20 | 18 33 | 3 42 | 15 50 | 3 8 | 21 54 | 1 25 | 16 11 | 1 3 | 2 28 | 1 13 | 19 16 | 1 43 | 13 27 | 0 47 | 4 46 | 1 27 | 27 17 | 6 47 | 9 53 | 9 16 | 18 35 | 16 47 | 3 8 |
| W16 | 20 7 | 17 15 | 2 52 | 15 54 | 3 20 | 22 2 | 1 22 | 15 56 | 1 3 | 2 31 | 1 13 | 19 17 | 1 43 | 13 27 | 0 47 | 4 46 | 1 27 | 27 17 | 6 47 | 9 55 | 9 17 | 18 36 | 16 47 | 3 8 |
| T 17 | 19 53 | 15 9 | 1 53 | 16 1 | 3 29 | 22 8 | 1 19 | 15 40 | 1 3 | 2 35 | 1 13 | 19 18 | 1 44 | 13 28 | 0 47 | 4 47 | 1 27 | 27 17 | 6 47 | 9 57 | 9 19 | 18 37 | 16 47 | 3 8 |
| F 18 | 19 39 | 12 21 | 0 49 | 16 10 | 3 36 | 22 14 | 1 16 | 15 25 | 1 2 | 2 39 | 1 12 | 19 18 | 1 44 | 13 29 | 0 47 | 4 47 | 1 27 | 27 18 | 6 48 | 9 58 | 9 20 | 18 37 | 16 47 | 3 8 |
| S 19 | 19 25 | 8 57 | 0s20 | 16 21 | 3 41 | 22 19 | 1 12 | 15 9 | 1 2 | 2 43 | 1 12 | 19 19 | 1 44 | 13 30 | 0 47 | 4 48 | 1 27 | 27 18 | 6 48 | 9 58 | 9 21 | 18 38 | 16 46 | 3 8 |
| S 20 | 19 11 | 5 5 | 1 28 | 16 34 | 3 43 | 22 24 | 1 9 | 14 53 | 1 2 | 2 47 | 1 12 | 19 20 | 1 44 | 13 31 | 0 47 | 4 48 | 1 27 | 27 19 | 6 48 | 9 57 | 9 22 | 18 38 | 16 46 | 3 8 |
| M21 | 18 56 | 0 57 | 2 33 | 16 48 | 3 43 | 22 28 | 1 6 | 14 37 | 1 1 | 2 51 | 1 12 | 19 21 | 1 44 | 13 32 | 0 47 | 4 48 | 1 27 | 27 19 | 6 48 | 9 57 | 9 23 | 18 39 | 16 46 | 3 8 |
| T 22 | 18 41 | 3n20 | 3 32 | 17 3 | 3 41 | 22 31 | 1 3 | 14 21 | 1 1 | 2 55 | 1 11 | 19 21 | 1 44 | 13 32 | 0 47 | 4 49 | 1 27 | 27 19 | 6 48 | 9 56 | 9 24 | 18 39 | 16 46 | 3 8 |
| W23 | 18 25 | 7 31 | 4 20 | 17 19 | 3 37 | 22 34 | 1 0 | 14 5 | 1 0 | 3 0 | 1 11 | 19 22 | 1 44 | 13 33 | 0 47 | 4 49 | 1 27 | 27 20 | 6 48 | 9 56 | 9 26 | 18 40 | 16 46 | 3 8 |
| T 24 | 18 9 | 11 25 | 4 54 | 17 35 | 3 30 | 22 36 | 0 56 | 13 48 | 1 0 | 3 4 | 1 11 | 19 23 | 1 44 | 13 34 | 0 47 | 4 50 | 1 27 | 27 20 | 6 48 | 9 56 | 9 27 | 18 40 | 16 46 | 3 7 |
| F 25 | 17 53 | 14 45 | 5 12 | 17 50 | 3 23 | 22 38 | 0 53 | 13 32 | 1 0 | 3 8 | 1 11 | 19 24 | 1 44 | 13 35 | 0 47 | 4 50 | 1 28 | 27 20 | 6 48 | 9 56 | 9 28 | 18 41 | 16 46 | 3 7 |
| S 26 | 17 37 | 17 16 | 5 11 | 18 6 | 3 14 | 22 38 | 0 50 | 13 15 | 0 59 | 3 12 | 1 10 | 19 24 | 1 44 | 13 36 | 0 47 | 4 51 | 1 28 | 27 21 | 6 48 | 9 57 | 9 29 | 18 41 | 16 46 | 3 7 |
| S 27 | 17 20 | 18 42 | 4 50 | 18 21 | 3 4 | 22 38 | 0 47 | 12 58 | 0 59 | 3 17 | 1 10 | 19 25 | 1 44 | 13 37 | 0 47 | 4 51 | 1 28 | 27 21 | 6 48 | 9 58 | 9 30 | 18 42 | 16 46 | 3 7 |
| M28 | 17 3 | 18 53 | 4 9 | 18 35 | 2 53 | 22 38 | 0 44 | 12 41 | 0 58 | 3 21 | 1 10 | 19 25 | 1 45 | 13 38 | 0 47 | 4 52 | 1 28 | 27 21 | 6 48 | 9 59 | 9 31 | 18 42 | 16 47 | 3 7 |
| T 29 | 16 46 | 17 46 | 3 12 | 18 49 | 2 41 | 22 37 | 0 40 | 12 24 | 0 58 | 3 25 | 1 10 | 19 26 | 1 45 | 13 38 | 0 47 | 4 52 | 1 28 | 27 21 | 6 48 | 10 0 | 9 33 | 18 43 | 16 47 | 3 7 |
| W30 | 16 28 | 15 27 | 2 1 | 19 2 | 2 29 | 22 35 | 0 37 | 12 7 | 0 58 | 3 30 | 1 10 | 19 27 | 1 45 | 13 39 | 0 47 | 4 53 | 1 28 | 27 22 | 6 48 | 10 1 | 9 34 | 18 43 | 16 47 | 3 7 |
| T 31 | 16s10 | 12n10 | 0s44 | 19s13 | 2n17 | 22s32 | 0n34 | 11s50 | 0s57 | 3n34 | 1s 9 | 19s27 | 1n45 | 13n40 | 0n47 | 4n53 | 1n28 | 27n22 | 6n48 | 10n 1 | 9n35 | 18s44 | 16n47 | 3s 7 |

Julian Day Number = 2070236.5, Delta T = 28m17s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'26, Lahiri = 9°18'27 Julian Calendar 1 Jan. 956 == Greg. Calendar 6 Jan. 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## FEBRUARY 956 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 1 24 | 16♒52'58 | 10♍26 | 23♉51 | 12♉25 | 2♓26 | 11♈50 | 4♐38 | 25°R57 | 21°R 5 | 27°R48 | 4°D13 | 5♍21 | 26♐40 | 27♑57 | F 1 |
| S 2 | 9 5 21 | 17°53'21 | 24°16 | 24° 4 | 13°38 | 3°13 | 12° 1 | 4°42 | 25♌54 | 21♍ 4 | 27♋47 | 4♍13 | 5°18 | 26°47 | 27°57 | S 2 |
| S 3 | 9 9 17 | 18°53'43 | 7♎41 | 24°24 | 14°51 | 4° 0 | 12°12 | 4°45 | 25°52 | 21° 2 | 27°46 | 4°15 | 5°14 | 26°53 | 27°57 | S 3 |
| M 4 | 9 13 14 | 19°54'03 | 20°42 | 24°49 | 16° 5 | 4°47 | 12°24 | 4°49 | 25°49 | 21° 1 | 27°44 | 4°16 | 5°11 | 27° 0 | 27°57 | M 4 |
| T 5 | 9 17 10 | 20°54'22 | 3♏21 | 25°19 | 17°18 | 5°33 | 12°35 | 4°52 | 25°46 | 20°59 | 27°43 | 4°17 | 5° 8 | 27° 7 | 27°58 | T 5 |
| W 6 | 9 21 7 | 21°54'39 | 15°41 | 25°54 | 18°31 | 6°20 | 12°47 | 4°55 | 25°44 | 20°58 | 27°42 | 4°18 | 5° 5 | 27°14 | 27°58 | W 6 |
| T 7 | 9 25 3 | 22°54'55 | 27°47 | 26°33 | 19°44 | 7° 7 | 12°58 | 4°58 | 25°41 | 20°57 | 27°41 | 4°R18 | 5° 2 | 27°20 | 27°59 | T 7 |
| F 8 | 9 29 0 | 23°55'09 | 9♐44 | 27°16 | 20°57 | 7°54 | 13°10 | 5° 1 | 25°39 | 20°55 | 27°39 | 4°17 | 4°58 | 27°27 | 27°59 | F 8 |
| S 9 | 9 32 57 | 24°55'22 | 21°35 | 28° 3 | 22°11 | 8°40 | 13°22 | 5° 4 | 25°36 | 20°54 | 27°38 | 4°16 | 4°55 | 27°34 | 28° 0 | S 9 |
| S 10 | 9 36 53 | 25°55'33 | 3♑27 | 28°53 | 23°24 | 9°27 | 13°33 | 5° 7 | 25°33 | 20°52 | 27°37 | 4°15 | 4°52 | 27°40 | 28° 1 | S 10 |
| M11 | 9 40 50 | 26°55'42 | 15°21 | 29°47 | 24°37 | 10°14 | 13°45 | 5°10 | 25°31 | 20°51 | 27°36 | 4°14 | 4°49 | 27°47 | 28° 2 | M11 |
| T 12 | 9 44 46 | 27°55'50 | 27°23 | 0♒44 | 25°51 | 11° 0 | 13°57 | 5°13 | 25°28 | 20°49 | 27°35 | 4°13 | 4°46 | 27°54 | 28° 3 | T 12 |
| W13 | 9 48 43 | 28°55'55 | 9♒33 | 1°43 | 27° 4 | 11°47 | 14° 9 | 5°15 | 25°25 | 20°48 | 27°33 | 4°12 | 4°43 | 28° 1 | 28° 4 | W13 |
| T 14 | 9 52 39 | 29°55'59 | 21°55 | 2°45 | 28°17 | 12°33 | 14°22 | 5°18 | 25°23 | 20°46 | 27°32 | 4°12 | 4°39 | 28° 7 | 28° 5 | T 14 |
| F 15 | 9 56 36 | 0♓56'01 | 4♓30 | 3°50 | 29°31 | 13°20 | 14°34 | 5°20 | 25°20 | 20°45 | 27°31 | 4°D12 | 4°36 | 28°14 | 28° 6 | F 15 |
| S 16 | 10 0 32 | 1°56'01 | 17°18 | 4°56 | 0♒44 | 14° 6 | 14°46 | 5°22 | 25°18 | 20°43 | 27°30 | 4°12 | 4°33 | 28°21 | 28° 7 | S 16 |
| S 17 | 10 4 29 | 2°55'59 | 0♈20 | 6° 5 | 1°57 | 14°53 | 14°59 | 5°24 | 25°15 | 20°42 | 27°29 | 4°12 | 4°30 | 28°27 | 28° 8 | S 17 |
| M18 | 10 8 26 | 3°55'55 | 13°35 | 7°16 | 3°11 | 15°39 | 15°11 | 5°27 | 25°12 | 20°40 | 27°28 | 4°R12 | 4°27 | 28°34 | 28°10 | M18 |
| T 19 | 10 12 22 | 4°55'49 | 27° 3 | 8°29 | 4°24 | 16°25 | 15°24 | 5°29 | 25°10 | 20°39 | 27°27 | 4°12 | 4°23 | 28°41 | 28°11 | T 19 |
| W20 | 10 16 19 | 5°55'40 | 10♉44 | 9°44 | 5°37 | 17°11 | 15°36 | 5°30 | 25° 7 | 20°37 | 27°26 | 4°12 | 4°20 | 28°48 | 28°12 | W20 |
| T 21 | 10 20 15 | 6°55'30 | 24°37 | 11° 1 | 6°51 | 17°58 | 15°49 | 5°32 | 25° 5 | 20°35 | 27°24 | 4°12 | 4°17 | 28°54 | 28°14 | T 21 |
| F 22 | 10 24 12 | 7°55'17 | 8♊41 | 12°19 | 8° 4 | 18°44 | 16° 2 | 5°34 | 25° 2 | 20°34 | 27°23 | 4°D12 | 4°14 | 29° 1 | 28°16 | F 22 |
| S 23 | 10 28 8 | 8°55'01 | 22°54 | 13°39 | 9°18 | 19°30 | 16°14 | 5°36 | 25° 0 | 20°32 | 27°22 | 4°12 | 4°11 | 29° 8 | 28°17 | S 23 |
| S 24 | 10 32 5 | 9°54'44 | 7♋14 | 15° 1 | 10°31 | 20°16 | 16°27 | 5°37 | 24°57 | 20°31 | 27°21 | 4°12 | 4° 8 | 29°14 | 28°19 | S 24 |
| M25 | 10 36 1 | 10°54'24 | 21°37 | 16°24 | 11°44 | 21° 2 | 16°40 | 5°39 | 24°55 | 20°29 | 27°21 | 4°13 | 4° 4 | 29°21 | 28°21 | M25 |
| T 26 | 10 39 58 | 11°54'01 | 6♌ 1 | 17°49 | 12°58 | 21°48 | 16°53 | 5°40 | 24°52 | 20°27 | 27°20 | 4°13 | 4° 1 | 29°28 | 28°23 | T 26 |
| W27 | 10 43 55 | 12°53'37 | 20°21 | 19°15 | 14°11 | 22°34 | 17° 6 | 5°41 | 24°50 | 20°26 | 27°19 | 4°14 | 3°58 | 29°34 | 28°25 | W27 |
| T 28 | 10 47 51 | 13°53'10 | 4♍31 | 20°42 | 15°25 | 23°20 | 17°19 | 5°42 | 24°47 | 20°24 | 27°18 | 4°R14 | 3°55 | 29°41 | 28°27 | T 28 |
| F 29 | 10 51 48 | 14♓52'41 | 18♍28 | 22♒11 | 16♒38 | 24♓ 6 | 17♈33 | 5♐43 | 24♌45 | 20♍22 | 27♋17 | 4♍14 | 3♍52 | 29♐48 | 28♑29 | F 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s52 | 8n14 | 0n34 | 19s24 | 2n 5 | 22s29 | 0n31 | 11s33 | 0s57 | 3n39 | 1s 9 | 19s28 | 1n45 | 13n41 | 0n47 | 4n54 | 1n28 | 27n22 | 6n48 | 10n 1 | 9n36 | 18s44 | 16n47 | 3s 6 |
| S 2 | 15 33 | 3 57 | 1 49 | 19 34 | 1 52 | 22 25 | 0 27 | 11 15 | 0 56 | 3 43 | 1 9 | 19 28 | 1 45 | 13 42 | 0 47 | 4 54 | 1 28 | 27 23 | 6 48 | 10 1 | 9 37 | 18 45 | 16 47 | 3 6 |
| S 3 | 15 15 | 0s24 | 2 55 | 19 43 | 1 40 | 22 20 | 0 24 | 10 58 | 0 56 | 3 48 | 1 9 | 19 29 | 1 45 | 13 43 | 0 47 | 4 55 | 1 28 | 27 23 | 6 48 | 10 0 | 9 39 | 18 45 | 16 47 | 3 6 |
| M 4 | 14 56 | 4 35 | 3 50 | 19 51 | 1 27 | 22 15 | 0 21 | 10 40 | 0 56 | 3 52 | 1 9 | 19 29 | 1 45 | 13 44 | 0 47 | 4 56 | 1 28 | 27 23 | 6 48 | 10 0 | 9 40 | 18 46 | 16 48 | 3 6 |
| T 5 | 14 36 | 8 26 | 4 32 | 19 58 | 1 15 | 22 9 | 0 18 | 10 23 | 0 55 | 3 57 | 1 8 | 19 30 | 1 45 | 13 45 | 0 48 | 4 56 | 1 28 | 27 23 | 6 48 | 10 0 | 9 41 | 18 46 | 16 48 | 3 6 |
| W 6 | 14 17 | 11 50 | 5 0 | 20 3 | 1 3 | 22 3 | 0 15 | 10 5 | 0 55 | 4 2 | 1 8 | 19 30 | 1 46 | 13 46 | 0 48 | 4 57 | 1 28 | 27 24 | 6 48 | 9 59 | 9 42 | 18 47 | 16 48 | 3 6 |
| T 7 | 13 57 | 14 40 | 5 15 | 20 8 | 0 51 | 21 55 | 0 11 | 9 47 | 0 54 | 4 6 | 1 8 | 19 31 | 1 46 | 13 46 | 0 48 | 4 57 | 1 28 | 27 24 | 6 48 | 9 59 | 9 43 | 18 47 | 16 48 | 3 6 |
| F 8 | 13 37 | 16 50 | 5 15 | 20 11 | 0 39 | 21 47 | 0 8 | 9 29 | 0 54 | 4 11 | 1 8 | 19 31 | 1 46 | 13 47 | 0 48 | 4 58 | 1 28 | 27 24 | 6 48 | 10 0 | 9 44 | 18 48 | 16 48 | 3 6 |
| S 9 | 13 17 | 18 16 | 5 2 | 20 13 | 0 28 | 21 39 | 0 5 | 9 11 | 0 53 | 4 16 | 1 8 | 19 32 | 1 46 | 13 48 | 0 48 | 4 59 | 1 28 | 27 25 | 6 48 | 10 0 | 9 46 | 18 48 | 16 49 | 3 5 |
| S 10 | 12 57 | 18 55 | 4 37 | 20 13 | 0 17 | 21 30 | 0 2 | 8 53 | 0 53 | 4 21 | 1 7 | 19 32 | 1 46 | 13 49 | 0 48 | 4 59 | 1 28 | 27 25 | 6 48 | 10 0 | 9 47 | 18 48 | 16 49 | 3 5 |
| M11 | 12 36 | 18 44 | 3 59 | 20 13 | 0 6 | 21 20 | 0s 1 | 8 35 | 0 52 | 4 26 | 1 7 | 19 32 | 1 46 | 13 50 | 0 48 | 5 0 | 1 28 | 27 25 | 6 48 | 10 1 | 9 48 | 18 49 | 16 49 | 3 5 |
| T 12 | 12 16 | 17 41 | 3 10 | 20 11 | 0s 4 | 21 10 | 0 4 | 8 17 | 0 52 | 4 30 | 1 7 | 19 33 | 1 46 | 13 51 | 0 48 | 5 0 | 1 28 | 27 25 | 6 48 | 10 1 | 9 49 | 18 49 | 16 50 | 3 5 |
| W13 | 11 55 | 15 50 | 2 13 | 20 7 | 0 14 | 20 59 | 0 7 | 7 59 | 0 51 | 4 35 | 1 7 | 19 33 | 1 46 | 13 52 | 0 48 | 5 1 | 1 28 | 27 25 | 6 48 | 10 1 | 9 50 | 18 50 | 16 50 | 3 5 |
| T 14 | 11 33 | 13 13 | 1 8 | 20 3 | 0 24 | 20 47 | 0 10 | 7 40 | 0 51 | 4 40 | 1 7 | 19 33 | 1 47 | 13 53 | 0 48 | 5 2 | 1 28 | 27 26 | 6 48 | 10 1 | 9 51 | 18 50 | 16 50 | 3 5 |
| F 15 | 11 12 | 9 56 | 0s 2 | 19 57 | 0 33 | 20 35 | 0 13 | 7 22 | 0 50 | 4 45 | 1 6 | 19 34 | 1 47 | 13 54 | 0 48 | 5 2 | 1 28 | 27 26 | 6 48 | 10 1 | 9 53 | 18 51 | 16 51 | 3 5 |
| S 16 | 10 51 | 6 9 | 1 12 | 19 49 | 0 42 | 20 22 | 0 16 | 7 3 | 0 50 | 4 50 | 1 6 | 19 34 | 1 47 | 13 54 | 0 48 | 5 3 | 1 28 | 27 26 | 6 48 | 10 1 | 9 54 | 18 51 | 16 51 | 3 5 |
| S 17 | 10 29 | 2 0 | 2 20 | 19 41 | 0 51 | 20 8 | 0 19 | 6 45 | 0 49 | 4 55 | 1 6 | 19 34 | 1 47 | 13 55 | 0 48 | 5 3 | 1 28 | 27 26 | 6 48 | 10 1 | 9 55 | 18 52 | 16 52 | 3 4 |
| M18 | 10 7 | 2n18 | 3 22 | 19 31 | 0 59 | 19 54 | 0 22 | 6 26 | 0 49 | 5 0 | 1 6 | 19 34 | 1 47 | 13 56 | 0 48 | 5 4 | 1 28 | 27 26 | 6 48 | 10 1 | 9 56 | 18 52 | 16 52 | 3 4 |
| T 19 | 9 45 | 6 33 | 4 13 | 19 19 | 1 7 | 19 40 | 0 24 | 6 8 | 0 48 | 5 5 | 1 6 | 19 35 | 1 47 | 13 57 | 0 48 | 5 5 | 1 28 | 27 27 | 6 48 | 10 1 | 9 57 | 18 52 | 16 52 | 3 4 |
| W20 | 9 23 | 10 31 | 4 51 | 19 6 | 1 15 | 19 24 | 0 27 | 5 49 | 0 48 | 5 10 | 1 6 | 19 35 | 1 47 | 13 58 | 0 48 | 5 5 | 1 28 | 27 27 | 6 48 | 10 1 | 9 58 | 18 53 | 16 53 | 3 4 |
| T 21 | 9 1 | 13 58 | 5 13 | 18 52 | 1 22 | 19 9 | 0 30 | 5 31 | 0 47 | 5 15 | 1 5 | 19 35 | 1 47 | 13 59 | 0 48 | 5 6 | 1 28 | 27 27 | 6 48 | 10 1 | 10 0 | 18 53 | 16 53 | 3 4 |
| F 22 | 8 39 | 16 40 | 5 16 | 18 36 | 1 28 | 18 52 | 0 33 | 5 12 | 0 47 | 5 20 | 1 5 | 19 35 | 1 47 | 14 0 | 0 48 | 5 7 | 1 28 | 27 27 | 6 48 | 10 1 | 10 1 | 18 54 | 16 54 | 3 4 |
| S 23 | 8 16 | 18 23 | 5 1 | 18 19 | 1 34 | 18 36 | 0 35 | 4 53 | 0 46 | 5 25 | 1 5 | 19 35 | 1 48 | 14 0 | 0 47 | 5 7 | 1 28 | 27 27 | 6 48 | 10 1 | 10 2 | 18 54 | 16 54 | 3 4 |
| S 24 | 7 54 | 18 57 | 4 26 | 18 1 | 1 40 | 18 18 | 0 38 | 4 35 | 0 46 | 5 30 | 1 5 | 19 36 | 1 48 | 14 1 | 0 47 | 5 8 | 1 28 | 27 27 | 6 48 | 10 1 | 10 3 | 18 55 | 16 55 | 3 4 |
| M25 | 7 31 | 18 17 | 3 35 | 17 41 | 1 46 | 18 0 | 0 40 | 4 16 | 0 45 | 5 35 | 1 5 | 19 36 | 1 48 | 14 2 | 0 47 | 5 9 | 1 28 | 27 28 | 6 47 | 10 1 | 10 4 | 18 55 | 16 55 | 3 3 |
| T 26 | 7 8 | 16 27 | 2 30 | 17 20 | 1 51 | 17 42 | 0 43 | 3 57 | 0 45 | 5 41 | 1 5 | 19 36 | 1 48 | 14 3 | 0 47 | 5 9 | 1 28 | 27 28 | 6 47 | 10 1 | 10 5 | 18 55 | 16 56 | 3 3 |
| W27 | 6 45 | 13 35 | 1 16 | 16 58 | 1 55 | 17 23 | 0 45 | 3 38 | 0 44 | 5 46 | 1 5 | 19 36 | 1 48 | 14 4 | 0 47 | 5 10 | 1 29 | 27 28 | 6 47 | 10 1 | 10 6 | 18 56 | 16 56 | 3 3 |
| T 28 | 6 22 | 9 56 | 0n 2 | 16 34 | 2 0 | 17 4 | 0 48 | 3 20 | 0 44 | 5 51 | 1 4 | 19 36 | 1 48 | 14 5 | 0 47 | 5 11 | 1 29 | 27 28 | 6 47 | 10 1 | 10 8 | 18 56 | 16 57 | 3 3 |
| F 29 | 5s59 | 5n47 | 1n18 | 16s 8 | 2s 3 | 16s44 | 0s50 | 3s 1 | 0s43 | 5n56 | 1s 4 | 19s36 | 1n48 | 14n 5 | 0n47 | 5n11 | 1n29 | 27n28 | 6n47 | 10n 1 | 10n 9 | 18s57 | 16n57 | 3s 3 |

Julian Day Number = 2070267.5, Delta T = 28m16s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'31, Lahiri = 9°18'31 Julian Calendar 1 Feb. 956 == Greg. Calendar 6 Feb. 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## MARCH 956 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 55 44 | 15♓52'10 | 2♎ 7 | 23♒42 | 17♒51 | 24♓52 | 17♈46 | 5♐44 | 24°R42 | 20°R21 | 27°R16 | 4°R13 | 3♍49 | 29♐55 | 28♉31 | S 1 |
| S 2 | 10 59 41 | 16°51'36 | 15°28 | 25°14 | 19° 5 | 25°38 | 17°59 | 5°45 | 24♌40 | 20♍19 | 27♋15 | 4♍12 | 3°45 | 0♑ 1 | 28°33 | S 2 |
| M 3 | 11 3 37 | 17°51'01 | 28°28 | 26°47 | 20°18 | 26°24 | 18°12 | 5°46 | 24°38 | 20°18 | 27°14 | 4°10 | 3°42 | 0° 8 | 28°36 | M 3 |
| T 4 | 11 7 34 | 18°50'25 | 11♏ 9 | 28°21 | 21°32 | 27° 9 | 18°26 | 5°46 | 24°35 | 20°16 | 27°14 | 4° 8 | 3°39 | 0°15 | 28°38 | T 4 |
| W 5 | 11 11 30 | 19°49'46 | 23°32 | 29°57 | 22°45 | 27°55 | 18°39 | 5°47 | 24°33 | 20°14 | 27°13 | 4° 6 | 3°36 | 0°21 | 28°40 | W 5 |
| T 6 | 11 15 27 | 20°49'05 | 5♐41 | 1♓34 | 23°59 | 28°41 | 18°53 | 5°47 | 24°31 | 20°13 | 27°12 | 4° 4 | 3°33 | 0°28 | 28°43 | T 6 |
| F 7 | 11 19 23 | 21°48'23 | 17°39 | 3°13 | 25°12 | 29°26 | 19° 6 | 5°48 | 24°29 | 20°11 | 27°11 | 4°D 4 | 3°29 | 0°35 | 28°45 | F 7 |
| S 8 | 11 23 20 | 22°47'39 | 29°32 | 4°53 | 26°26 | 0♈12 | 19°20 | 5°48 | 24°26 | 20° 9 | 27°11 | 4° 4 | 3°26 | 0°42 | 28°48 | S 8 |
| S 9 | 11 27 17 | 23°46'53 | 11♑24 | 6°34 | 27°39 | 0°58 | 19°33 | 5°48 | 24°24 | 20° 8 | 27°10 | 4° 5 | 3°23 | 0°48 | 28°51 | S 9 |
| M10 | 11 31 13 | 24°46'05 | 23°20 | 8°17 | 28°53 | 1°43 | 19°47 | 5°R48 | 24°22 | 20° 6 | 27° 9 | 4° 6 | 3°20 | 0°55 | 28°53 | M10 |
| T 11 | 11 35 10 | 25°45'15 | 5♒24 | 10° 1 | 0♓ 6 | 2°29 | 20° 1 | 5°48 | 24°20 | 20° 4 | 27° 9 | 4° 8 | 3°17 | 1° 2 | 28°56 | T 11 |
| W12 | 11 39 6 | 26°44'23 | 17°40 | 11°47 | 1°20 | 3°14 | 20°14 | 5°48 | 24°18 | 20° 3 | 27° 8 | 4° 9 | 3°14 | 1° 8 | 28°59 | W12 |
| T 13 | 11 43 3 | 27°43'30 | 0♓12 | 13°34 | 2°33 | 3°59 | 20°28 | 5°47 | 24°16 | 20° 1 | 27° 7 | 4°R10 | 3°10 | 1°15 | 29° 2 | T 13 |
| F 14 | 11 46 59 | 28°42'34 | 13° 1 | 15°22 | 3°47 | 4°45 | 20°42 | 5°47 | 24°14 | 19°59 | 27° 7 | 4°10 | 3° 7 | 1°22 | 29° 5 | F 14 |
| S 15 | 11 50 56 | 29°41'36 | 26° 9 | 17°12 | 5° 0 | 5°30 | 20°56 | 5°47 | 24°12 | 19°58 | 27° 6 | 4° 8 | 3° 4 | 1°29 | 29° 8 | S 15 |
| S 16 | 11 54 52 | 0♈40'37 | 9♈35 | 19° 3 | 6°14 | 6°15 | 21°10 | 5°46 | 24°10 | 19°56 | 27° 6 | 4° 6 | 3° 1 | 1°35 | 29°11 | S 16 |
| M17 | 11 58 49 | 1°39'35 | 23°17 | 20°56 | 7°27 | 7° 0 | 21°24 | 5°45 | 24° 8 | 19°54 | 27° 5 | 4° 2 | 2°58 | 1°42 | 29°14 | M17 |
| T 18 | 12 2 46 | 2°38'31 | 7♉12 | 22°50 | 8°41 | 7°45 | 21°38 | 5°45 | 24° 6 | 19°53 | 27° 5 | 3°57 | 2°54 | 1°49 | 29°17 | T 18 |
| W19 | 12 6 42 | 3°37'25 | 21°18 | 24°45 | 9°54 | 8°30 | 21°51 | 5°44 | 24° 4 | 19°51 | 27° 4 | 3°53 | 2°51 | 1°55 | 29°20 | W19 |
| T 20 | 12 10 39 | 4°36'16 | 5♊29 | 26°42 | 11° 8 | 9°15 | 22° 5 | 5°43 | 24° 2 | 19°50 | 27° 4 | 3°50 | 2°48 | 2° 2 | 29°24 | T 20 |
| F 21 | 12 14 35 | 5°35'06 | 19°42 | 28°41 | 12°21 | 10° 0 | 22°19 | 5°42 | 24° 0 | 19°48 | 27° 4 | 3°47 | 2°45 | 2° 9 | 29°27 | F 21 |
| S 22 | 12 18 32 | 6°33'53 | 3♋55 | 0♈40 | 13°35 | 10°45 | 22°34 | 5°41 | 23°59 | 19°46 | 27° 3 | 3°D46 | 2°42 | 2°15 | 29°30 | S 22 |
| S 23 | 12 22 28 | 7°32'38 | 18° 5 | 2°41 | 14°48 | 11°30 | 22°48 | 5°39 | 23°57 | 19°45 | 27° 3 | 3°47 | 2°39 | 2°22 | 29°34 | S 23 |
| M24 | 12 26 25 | 8°31'20 | 2♌10 | 4°44 | 16° 2 | 12°15 | 23° 2 | 5°38 | 23°55 | 19°43 | 27° 3 | 3°48 | 2°35 | 2°29 | 29°37 | M24 |
| T 25 | 12 30 21 | 9°30'00 | 16° 9 | 6°47 | 17°15 | 13° 0 | 23°16 | 5°37 | 23°54 | 19°42 | 27° 2 | 3°49 | 2°32 | 2°36 | 29°41 | T 25 |
| W26 | 12 34 18 | 10°28'38 | 0♍ 1 | 8°52 | 18°29 | 13°44 | 23°30 | 5°35 | 23°52 | 19°40 | 27° 2 | 3°R50 | 2°29 | 2°42 | 29°44 | W26 |
| T 27 | 12 38 15 | 11°27'13 | 13°43 | 10°57 | 19°42 | 14°29 | 23°44 | 5°33 | 23°51 | 19°39 | 27° 2 | 3°50 | 2°26 | 2°49 | 29°48 | T 27 |
| F 28 | 12 42 11 | 12°25'46 | 27°15 | 13° 4 | 20°56 | 15°14 | 23°58 | 5°32 | 23°49 | 19°37 | 27° 2 | 3°48 | 2°23 | 2°56 | 29°52 | F 28 |
| S 29 | 12 46 8 | 13°24'18 | 10♎35 | 15°11 | 22° 9 | 15°58 | 24°12 | 5°30 | 23°48 | 19°36 | 27° 2 | 3°44 | 2°20 | 3° 2 | 29°55 | S 29 |
| S 30 | 12 50 4 | 14°22'47 | 23°40 | 17°18 | 23°23 | 16°43 | 24°27 | 5°28 | 23°46 | 19°34 | 27° 1 | 3°38 | 2°16 | 3° 9 | 29°59 | S 30 |
| M31 | 12 54 1 | 15♈21'14 | 6♏30 | 19♈26 | 24♓36 | 17♈27 | 24♈41 | 5♐26 | 23♌45 | 19♍33 | 27♋ 1 | 3♍31 | 2♍13 | 3♑16 | 0♊ 3 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 5s36 | 1n25 | 2n28 | 15s41 | 2s 7 | 16s24 | 0s52 | 2s42 | 0s43 | 6n 1 | 1s 4 | 19s36 | 1n48 | 14n 6 | 0n47 | 5n12 | 1n29 | 27n28 | 6n47 | 10n 1 | 10n10 | 18s57 | 16n58 | 3s 3 | S 1 |
| S 2 | 5 13 | 2s55 | 3 29 | 15 13 | 2 10 | 16 3 | 0 54 | 2 23 | 0 42 | 6 6 | 1 4 | 19 36 | 1 49 | 14 7 | 0 47 | 5 13 | 1 29 | 27 28 | 6 47 | 10 2 | 10 11 | 18 57 | 16 59 | 3 3 | S 2 |
| M 3 | 4 50 | 6 59 | 4 17 | 14 43 | 2 12 | 15 42 | 0 57 | 2 5 | 0 42 | 6 12 | 1 4 | 19 36 | 1 49 | 14 8 | 0 47 | 5 13 | 1 29 | 27 28 | 6 47 | 10 2 | 10 12 | 18 58 | 16 59 | 3 3 | M 3 |
| T 4 | 4 26 | 10 39 | 4 51 | 14 12 | 2 14 | 15 20 | 0 59 | 1 46 | 0 41 | 6 17 | 1 4 | 19 36 | 1 49 | 14 9 | 0 47 | 5 14 | 1 29 | 27 29 | 6 47 | 10 3 | 10 13 | 18 58 | 17 0 | 3 3 | T 4 |
| W 5 | 4 3 | 13 45 | 5 11 | 13 40 | 2 16 | 14 58 | 1 1 | 1 27 | 0 41 | 6 22 | 1 4 | 19 36 | 1 49 | 14 9 | 0 47 | 5 15 | 1 29 | 27 29 | 6 47 | 10 4 | 10 15 | 18 59 | 17 1 | 3 2 | W 5 |
| T 6 | 3 40 | 16 11 | 5 16 | 13 6 | 2 17 | 14 35 | 1 3 | 1 8 | 0 40 | 6 27 | 1 3 | 19 36 | 1 49 | 14 10 | 0 47 | 5 15 | 1 29 | 27 29 | 6 47 | 10 4 | 10 16 | 18 59 | 17 1 | 3 2 | T 6 |
| F 7 | 3 16 | 17 54 | 5 7 | 12 31 | 2 18 | 14 12 | 1 5 | 0 50 | 0 39 | 6 33 | 1 3 | 19 36 | 1 49 | 14 11 | 0 47 | 5 16 | 1 29 | 27 29 | 6 47 | 10 4 | 10 17 | 18 59 | 17 2 | 3 2 | F 7 |
| S 8 | 2 53 | 18 49 | 4 45 | 11 54 | 2 18 | 13 49 | 1 7 | 0 31 | 0 39 | 6 38 | 1 3 | 19 36 | 1 49 | 14 12 | 0 47 | 5 17 | 1 29 | 27 29 | 6 47 | 10 4 | 10 18 | 19 0 | 17 2 | 3 2 | S 8 |
| S 9 | 2 29 | 18 54 | 4 11 | 11 17 | 2 18 | 13 26 | 1 8 | 0 12 | 0 38 | 6 43 | 1 3 | 19 36 | 1 49 | 14 12 | 0 47 | 5 17 | 1 29 | 27 29 | 6 47 | 10 4 | 10 19 | 19 0 | 17 3 | 3 2 | S 9 |
| M10 | 2 5 | 18 9 | 3 27 | 10 37 | 2 17 | 13 2 | 1 10 | 0n 7 | 0 38 | 6 49 | 1 3 | 19 36 | 1 50 | 14 13 | 0 47 | 5 18 | 1 29 | 27 29 | 6 46 | 10 4 | 10 20 | 19 0 | 17 4 | 3 2 | M10 |
| T 11 | 1 42 | 16 34 | 2 32 | 9 57 | 2 15 | 12 37 | 1 12 | 0 25 | 0 37 | 6 54 | 1 3 | 19 36 | 1 50 | 14 14 | 0 47 | 5 19 | 1 29 | 27 29 | 6 46 | 10 3 | 10 22 | 19 1 | 17 5 | 3 2 | T 11 |
| W12 | 1 18 | 14 12 | 1 30 | 9 15 | 2 14 | 12 12 | 1 14 | 0 44 | 0 37 | 6 59 | 1 3 | 19 35 | 1 50 | 14 14 | 0 47 | 5 19 | 1 29 | 27 29 | 6 46 | 10 2 | 10 23 | 19 1 | 17 5 | 3 2 | W12 |
| T 13 | 0 55 | 11 7 | 0 22 | 8 31 | 2 11 | 11 47 | 1 15 | 1 3 | 0 36 | 7 4 | 1 3 | 19 35 | 1 50 | 14 15 | 0 47 | 5 20 | 1 29 | 27 29 | 6 46 | 10 2 | 10 24 | 19 1 | 17 6 | 3 2 | T 13 |
| F 14 | 0 31 | 7 27 | 0s49 | 7 46 | 2 9 | 11 22 | 1 17 | 1 21 | 0 35 | 7 10 | 1 2 | 19 35 | 1 50 | 14 16 | 0 47 | 5 21 | 1 29 | 27 29 | 6 46 | 10 2 | 10 25 | 19 2 | 17 7 | 3 2 | F 14 |
| S 15 | 0 7 | 3 20 | 1 58 | 7 0 | 2 5 | 10 56 | 1 18 | 1 40 | 0 35 | 7 15 | 1 2 | 19 35 | 1 50 | 14 16 | 0 47 | 5 21 | 1 29 | 27 29 | 6 46 | 10 3 | 10 26 | 19 2 | 17 7 | 3 1 | S 15 |
| S 16 | 0n16 | 1n 2 | 3 2 | 6 13 | 2 2 | 10 30 | 1 19 | 1 58 | 0 34 | 7 20 | 1 2 | 19 35 | 1 50 | 14 17 | 0 47 | 5 22 | 1 29 | 27 29 | 6 46 | 10 4 | 10 27 | 19 2 | 17 8 | 3 1 | S 16 |
| M17 | 0 40 | 5 25 | 3 57 | 5 25 | 1 57 | 10 4 | 1 21 | 2 17 | 0 34 | 7 26 | 1 2 | 19 34 | 1 50 | 14 18 | 0 47 | 5 23 | 1 29 | 27 29 | 6 46 | 10 5 | 10 28 | 19 3 | 17 9 | 3 1 | M17 |
| T 18 | 1 3 | 9 35 | 4 39 | 4 35 | 1 53 | 9 38 | 1 22 | 2 35 | 0 33 | 7 31 | 1 2 | 19 34 | 1 51 | 14 18 | 0 47 | 5 23 | 1 29 | 27 29 | 6 46 | 10 7 | 10 30 | 19 3 | 17 10 | 3 1 | T 18 |
| W19 | 1 27 | 13 16 | 5 5 | 3 44 | 1 47 | 9 11 | 1 23 | 2 54 | 0 32 | 7 36 | 1 2 | 19 34 | 1 51 | 14 19 | 0 47 | 5 24 | 1 29 | 27 29 | 6 46 | 10 8 | 10 31 | 19 4 | 17 10 | 3 1 | W19 |
| T 20 | 1 50 | 16 13 | 5 12 | 2 52 | 1 41 | 8 44 | 1 24 | 3 12 | 0 32 | 7 42 | 1 2 | 19 34 | 1 51 | 14 19 | 0 47 | 5 24 | 1 29 | 27 29 | 6 46 | 10 10 | 10 32 | 19 4 | 17 11 | 3 1 | T 20 |
| F 21 | 2 14 | 18 10 | 5 1 | 1 59 | 1 35 | 8 16 | 1 25 | 3 30 | 0 31 | 7 47 | 1 2 | 19 33 | 1 51 | 14 20 | 0 47 | 5 25 | 1 29 | 27 29 | 6 45 | 10 10 | 10 33 | 19 4 | 17 12 | 3 1 | F 21 |
| S 22 | 2 37 | 19 0 | 4 31 | 1 5 | 1 28 | 7 49 | 1 26 | 3 49 | 0 31 | 7 52 | 1 2 | 19 33 | 1 51 | 14 20 | 0 47 | 5 26 | 1 29 | 27 29 | 6 45 | 10 11 | 10 34 | 19 4 | 17 13 | 3 1 | S 22 |
| S 23 | 3 1 | 18 39 | 3 44 | 0 9 | 1 21 | 7 21 | 1 27 | 4 7 | 0 30 | 7 58 | 1 2 | 19 33 | 1 51 | 14 21 | 0 47 | 5 26 | 1 29 | 27 29 | 6 45 | 10 11 | 10 35 | 19 5 | 17 14 | 3 1 | S 23 |
| M24 | 3 24 | 17 7 | 2 44 | 0n47 | 1 13 | 6 53 | 1 28 | 4 25 | 0 30 | 8 3 | 1 1 | 19 32 | 1 51 | 14 21 | 0 47 | 5 27 | 1 29 | 27 29 | 6 45 | 10 10 | 10 37 | 19 5 | 17 14 | 3 1 | M24 |
| T 25 | 3 47 | 14 34 | 1 35 | 1 43 | 1 4 | 6 25 | 1 29 | 4 43 | 0 29 | 8 8 | 1 1 | 19 32 | 1 51 | 14 22 | 0 47 | 5 27 | 1 29 | 27 29 | 6 45 | 10 10 | 10 38 | 19 5 | 17 15 | 3 1 | T 25 |
| W26 | 4 10 | 11 12 | 0 21 | 2 41 | 0 56 | 5 57 | 1 29 | 5 1 | 0 28 | 8 14 | 1 1 | 19 32 | 1 51 | 14 22 | 0 47 | 5 28 | 1 29 | 27 29 | 6 45 | 10 9 | 10 39 | 19 6 | 17 16 | 3 1 | W26 |
| T 27 | 4 33 | 7 16 | 0n54 | 3 39 | 0 46 | 5 29 | 1 30 | 5 19 | 0 28 | 8 19 | 1 1 | 19 31 | 1 51 | 14 23 | 0 47 | 5 29 | 1 29 | 27 29 | 6 45 | 10 9 | 10 40 | 19 6 | 17 17 | 3 0 | T 27 |
| F 28 | 4 56 | 2 59 | 2 4 | 4 37 | 0 37 | 5 0 | 1 31 | 5 37 | 0 27 | 8 24 | 1 1 | 19 31 | 1 52 | 14 23 | 0 47 | 5 29 | 1 29 | 27 29 | 6 45 | 10 10 | 10 41 | 19 6 | 17 18 | 3 0 | F 28 |
| S 29 | 5 19 | 1s21 | 3 6 | 5 36 | 0 27 | 4 31 | 1 31 | 5 55 | 0 26 | 8 30 | 1 1 | 19 30 | 1 52 | 14 24 | 0 47 | 5 30 | 1 29 | 27 29 | 6 45 | 10 12 | 10 42 | 19 7 | 17 19 | 3 0 | S 29 |
| S 30 | 5 42 | 5 34 | 3 57 | 6 35 | 0 16 | 4 2 | 1 31 | 6 12 | 0 26 | 8 35 | 1 1 | 19 30 | 1 52 | 14 24 | 0 47 | 5 30 | 1 29 | 27 29 | 6 45 | 10 14 | 10 43 | 19 7 | 17 19 | 3 0 | S 30 |
| M31 | 6n 5 | 9s26 | 4n35 | 7n33 | 0s 6 | 3s33 | 1s32 | 6n30 | 0s25 | 8n40 | 1s 1 | 19s30 | 1n52 | 14n25 | 0n47 | 5n31 | 1n29 | 27n28 | 6n44 | 10n16 | 10n45 | 19s 7 | 17n20 | 3s 0 | M31 |

Julian Day Number = 2070296.5, Delta T = 28m16s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'35, Lahiri = 9°18'35 Julian Calendar 1 March 956 == Greg. Calendar 6 March 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## APRIL 956 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 57 57 | 16♈19'40 | 19♏ 5 | 21♈34 | 25♓50 | 18♈12 | 24♈55 | 5°R24 | 23°R44 | 19°R31 | 27°R 1 | 3°R23 | 2♍10 | 3♑22 | 0♊ 7 | T 1 |
| W 2 | 13 1 54 | 17°18'04 | 1♐25 | 23°41 | 27° 3 | 18°56 | 25° 9 | 5♐22 | 23♎43 | 19♍30 | 27♋ 1 | 3♍16 | 2° 7 | 3°29 | 0°11 | W 2 |
| T 3 | 13 5 50 | 18°16'26 | 13°33 | 25°48 | 28°17 | 19°40 | 25°24 | 5°20 | 23°41 | 19°29 | 27° 1 | 3°10 | 2° 4 | 3°36 | 0°15 | T 3 |
| F 4 | 13 9 47 | 19°14'47 | 25°32 | 27°54 | 29°30 | 20°25 | 25°38 | 5°17 | 23°40 | 19°27 | 27°D 1 | 3° 5 | 2° 0 | 3°43 | 0°19 | F 4 |
| S 5 | 13 13 43 | 20°13'06 | 7♑25 | 29°58 | 0♈44 | 21° 9 | 25°52 | 5°15 | 23°39 | 19°26 | 27° 1 | 3° 2 | 1°57 | 3°49 | 0°23 | S 5 |
| S 6 | 13 17 40 | 21°11'23 | 19°16 | 2♉ 1 | 1°57 | 21°53 | 26° 6 | 5°13 | 23°38 | 19°24 | 27° 1 | 3°D 1 | 1°54 | 3°56 | 0°27 | S 6 |
| M 7 | 13 21 37 | 22° 9'39 | 1♒11 | 4° 3 | 3°11 | 22°37 | 26°21 | 5°10 | 23°37 | 19°23 | 27° 1 | 3° 1 | 1°51 | 4° 3 | 0°31 | M 7 |
| T 8 | 13 25 33 | 23° 7'53 | 13°15 | 6° 2 | 4°24 | 23°21 | 26°35 | 5° 7 | 23°36 | 19°22 | 27° 1 | 3° 2 | 1°48 | 4° 9 | 0°35 | T 8 |
| W 9 | 13 29 30 | 24° 6'05 | 25°33 | 7°58 | 5°38 | 24° 5 | 26°49 | 5° 5 | 23°35 | 19°20 | 27° 1 | 3° 4 | 1°45 | 4°16 | 0°39 | W 9 |
| T 10 | 13 33 26 | 25° 4'17 | 8♓ 9 | 9°52 | 6°51 | 24°49 | 27° 3 | 5° 2 | 23°34 | 19°19 | 27° 2 | 3°R 4 | 1°41 | 4°23 | 0°43 | T 10 |
| F 11 | 13 37 23 | 26° 2'26 | 21° 7 | 11°43 | 8° 5 | 25°33 | 27°18 | 4°59 | 23°34 | 19°18 | 27° 2 | 3° 2 | 1°38 | 4°29 | 0°48 | F 11 |
| S 12 | 13 41 19 | 27° 0'34 | 4♈28 | 13°31 | 9°18 | 26°17 | 27°32 | 4°56 | 23°33 | 19°17 | 27° 2 | 2°58 | 1°35 | 4°36 | 0°52 | S 12 |
| S 13 | 13 45 16 | 27°58'40 | 18°13 | 15°16 | 10°32 | 27° 1 | 27°46 | 4°53 | 23°32 | 19°15 | 27° 2 | 2°52 | 1°32 | 4°43 | 0°56 | S 13 |
| M14 | 13 49 12 | 28°56'45 | 2♉20 | 16°58 | 11°45 | 27°44 | 28° 1 | 4°50 | 23°31 | 19°14 | 27° 3 | 2°44 | 1°29 | 4°50 | 1° 1 | M14 |
| T 15 | 13 53 9 | 29°54'48 | 16°43 | 18°36 | 12°59 | 28°28 | 28°15 | 4°47 | 23°31 | 19°13 | 27° 3 | 2°35 | 1°26 | 4°56 | 1° 5 | T 15 |
| W16 | 13 57 6 | 0♉52'49 | 1♊16 | 20°10 | 14°12 | 29°12 | 28°29 | 4°43 | 23°30 | 19°12 | 27° 3 | 2°26 | 1°22 | 5° 3 | 1° 9 | W16 |
| T 17 | 14 1 2 | 1°50'48 | 15°52 | 21°40 | 15°26 | 29°55 | 28°43 | 4°40 | 23°30 | 19°11 | 27° 3 | 2°19 | 1°19 | 5°10 | 1°14 | T 17 |
| F 18 | 14 4 59 | 2°48'46 | 0♋25 | 23° 7 | 16°39 | 0♉39 | 28°58 | 4°37 | 23°29 | 19°10 | 27° 4 | 2°13 | 1°16 | 5°16 | 1°18 | F 18 |
| S 19 | 14 8 55 | 3°46'42 | 14°49 | 24°30 | 17°53 | 1°22 | 29°12 | 4°33 | 23°29 | 19° 9 | 27° 4 | 2° 9 | 1°13 | 5°23 | 1°23 | S 19 |
| S 20 | 14 12 52 | 4°44'36 | 29° 2 | 25°48 | 19° 6 | 2° 6 | 29°26 | 4°30 | 23°29 | 19° 8 | 27° 5 | 2°D 8 | 1°10 | 5°30 | 1°27 | S 20 |
| M21 | 14 16 48 | 5°42'28 | 13♌ 1 | 27° 3 | 20°19 | 2°49 | 29°40 | 4°26 | 23°28 | 19° 6 | 27° 5 | 2° 8 | 1° 6 | 5°36 | 1°32 | M21 |
| T 22 | 14 20 45 | 6°40'18 | 26°46 | 28°14 | 21°33 | 3°33 | 29°55 | 4°23 | 23°28 | 19° 5 | 27° 6 | 2°R 8 | 1° 3 | 5°43 | 1°37 | T 22 |
| W23 | 14 24 41 | 7°38'06 | 10♍18 | 29°20 | 22°46 | 4°16 | 0♉ 9 | 4°19 | 23°28 | 19° 4 | 27° 6 | 2° 8 | 1° 0 | 5°50 | 1°41 | W23 |
| T 24 | 14 28 38 | 8°35'52 | 23°38 | 0♊23 | 24° 0 | 4°59 | 0°23 | 4°15 | 23°28 | 19° 4 | 27° 7 | 2° 6 | 0°57 | 5°57 | 1°46 | T 24 |
| F 25 | 14 32 35 | 9°33'37 | 6♎47 | 1°21 | 25°13 | 5°42 | 0°37 | 4°12 | 23°28 | 19° 3 | 27° 7 | 2° 2 | 0°54 | 6° 3 | 1°50 | F 25 |
| S 26 | 14 36 31 | 10°31'20 | 19°44 | 2°14 | 26°27 | 6°25 | 0°51 | 4° 8 | 23°D28 | 19° 2 | 27° 8 | 1°55 | 0°51 | 6°10 | 1°55 | S 26 |
| S 27 | 14 40 28 | 11°29'02 | 2♏30 | 3° 4 | 27°40 | 7° 8 | 1° 6 | 4° 4 | 23°28 | 19° 1 | 27° 8 | 1°45 | 0°47 | 6°17 | 2° 0 | S 27 |
| M28 | 14 44 24 | 12°26'42 | 15° 5 | 3°49 | 28°54 | 7°51 | 1°20 | 4° 0 | 23°28 | 19° 0 | 27° 9 | 1°33 | 0°44 | 6°23 | 2° 4 | M28 |
| T 29 | 14 48 21 | 13°24'21 | 27°28 | 4°29 | 0♉ 7 | 8°34 | 1°34 | 3°56 | 23°28 | 18°59 | 27°10 | 1°21 | 0°41 | 6°30 | 2° 9 | T 29 |
| W30 | 14 52 17 | 14♉21'59 | 9♐41 | 5♊ 5 | 1♉21 | 9♉17 | 1♉48 | 3♐52 | 23♎28 | 18♍58 | 27♋10 | 1♍ 9 | 0♍38 | 6♑37 | 2♊14 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n27 | 12s47 | 4n59 | 8n32 | 0n 5 | 3s 4 | 1s32 | 6n48 | 0s25 | 8n45 | 1s 1 | 19s29 | 1n52 | 14n25 | 0n47 | 5n32 | 1n29 | 27n28 | 6n44 | 10n19 | 10n46 | 19s 8 | 17n21 | 3s 0 |
| W 2 | 6 50 | 15 31 | 5 8 | 9 29 | 0 16 | 2 35 | 1 32 | 7 5 | 0 24 | 8 51 | 1 1 | 19 29 | 1 52 | 14 25 | 0 47 | 5 32 | 1 28 | 27 28 | 6 44 | 10 22 | 10 47 | 19 8 | 17 22 | 3 0 |
| T 3 | 7 12 | 17 32 | 5 4 | 10 26 | 0 27 | 2 6 | 1 32 | 7 23 | 0 23 | 8 56 | 1 1 | 19 28 | 1 52 | 14 26 | 0 47 | 5 33 | 1 28 | 27 28 | 6 44 | 10 24 | 10 48 | 19 8 | 17 23 | 3 0 |
| F 4 | 7 34 | 18 44 | 4 45 | 11 22 | 0 37 | 1 37 | 1 32 | 7 40 | 0 23 | 9 1 | 1 1 | 19 28 | 1 52 | 14 26 | 0 47 | 5 33 | 1 28 | 27 28 | 6 44 | 10 26 | 10 49 | 19 8 | 17 24 | 3 0 |
| S 5 | 7 57 | 19 7 | 4 15 | 12 17 | 0 48 | 1 7 | 1 32 | 7 57 | 0 22 | 9 7 | 1 1 | 19 27 | 1 52 | 14 27 | 0 47 | 5 34 | 1 28 | 27 28 | 6 44 | 10 27 | 10 50 | 19 9 | 17 25 | 3 0 |
| S 6 | 8 19 | 18 39 | 3 34 | 13 10 | 0 59 | 0 38 | 1 32 | 8 14 | 0 22 | 9 12 | 1 0 | 19 27 | 1 52 | 14 27 | 0 47 | 5 34 | 1 28 | 27 28 | 6 44 | 10 27 | 10 51 | 19 9 | 17 25 | 3 0 |
| M 7 | 8 41 | 17 21 | 2 43 | 14 1 | 1 9 | 0 8 | 1 32 | 8 31 | 0 21 | 9 17 | 1 0 | 19 26 | 1 52 | 14 27 | 0 46 | 5 35 | 1 28 | 27 28 | 6 44 | 10 27 | 10 53 | 19 9 | 17 26 | 3 0 |
| T 8 | 9 2 | 15 16 | 1 45 | 14 51 | 1 19 | 0n21 | 1 32 | 8 48 | 0 20 | 9 22 | 1 0 | 19 26 | 1 53 | 14 27 | 0 46 | 5 35 | 1 28 | 27 28 | 6 44 | 10 27 | 10 54 | 19 10 | 17 27 | 3 0 |
| W 9 | 9 24 | 12 26 | 0 40 | 15 39 | 1 29 | 0 51 | 1 32 | 9 5 | 0 20 | 9 28 | 1 0 | 19 25 | 1 53 | 14 28 | 0 46 | 5 36 | 1 28 | 27 27 | 6 43 | 10 26 | 10 55 | 19 10 | 17 28 | 3 0 |
| T 10 | 9 45 | 8 59 | 0s27 | 16 24 | 1 38 | 1 20 | 1 31 | 9 22 | 0 19 | 9 33 | 1 0 | 19 24 | 1 53 | 14 28 | 0 46 | 5 36 | 1 28 | 27 27 | 6 43 | 10 26 | 10 56 | 19 10 | 17 29 | 3 0 |
| F 11 | 10 7 | 5 0 | 1 36 | 17 8 | 1 47 | 1 50 | 1 31 | 9 39 | 0 19 | 9 38 | 1 0 | 19 24 | 1 53 | 14 28 | 0 46 | 5 37 | 1 28 | 27 27 | 6 43 | 10 27 | 10 57 | 19 10 | 17 30 | 3 0 |
| S 12 | 10 28 | 0 40 | 2 40 | 17 49 | 1 55 | 2 19 | 1 30 | 9 55 | 0 18 | 9 43 | 1 0 | 19 23 | 1 53 | 14 28 | 0 46 | 5 37 | 1 28 | 27 27 | 6 43 | 10 28 | 10 58 | 19 11 | 17 31 | 3 0 |
| S 13 | 10 49 | 3n50 | 3 38 | 18 27 | 2 2 | 2 49 | 1 30 | 10 12 | 0 17 | 9 48 | 1 0 | 19 23 | 1 53 | 14 29 | 0 46 | 5 38 | 1 28 | 27 27 | 6 43 | 10 30 | 10 59 | 19 11 | 17 32 | 3 0 |
| M14 | 11 10 | 8 14 | 4 23 | 19 3 | 2 9 | 3 18 | 1 29 | 10 28 | 0 17 | 9 53 | 1 0 | 19 22 | 1 53 | 14 29 | 0 46 | 5 38 | 1 28 | 27 27 | 6 43 | 10 33 | 11 1 | 19 11 | 17 33 | 3 0 |
| T 15 | 11 30 | 12 14 | 4 53 | 19 37 | 2 15 | 3 48 | 1 29 | 10 44 | 0 16 | 9 59 | 1 0 | 19 21 | 1 53 | 14 29 | 0 46 | 5 39 | 1 28 | 27 27 | 6 43 | 10 37 | 11 2 | 19 11 | 17 33 | 3 0 |
| W16 | 11 51 | 15 33 | 5 5 | 20 8 | 2 20 | 4 17 | 1 28 | 11 1 | 0 15 | 10 4 | 1 0 | 19 21 | 1 53 | 14 29 | 0 46 | 5 39 | 1 28 | 27 26 | 6 43 | 10 40 | 11 3 | 19 12 | 17 34 | 3 0 |
| T 17 | 12 11 | 17 54 | 4 56 | 20 36 | 2 24 | 4 46 | 1 27 | 11 17 | 0 15 | 10 9 | 1 0 | 19 20 | 1 53 | 14 29 | 0 46 | 5 39 | 1 28 | 27 26 | 6 42 | 10 43 | 11 4 | 19 12 | 17 35 | 3 0 |
| F 18 | 12 31 | 19 5 | 4 29 | 21 2 | 2 28 | 5 15 | 1 26 | 11 33 | 0 14 | 10 14 | 1 0 | 19 20 | 1 53 | 14 29 | 0 46 | 5 40 | 1 28 | 27 26 | 6 42 | 10 45 | 11 5 | 19 12 | 17 36 | 3 0 |
| S 19 | 12 51 | 19 1 | 3 45 | 21 26 | 2 31 | 5 44 | 1 25 | 11 48 | 0 13 | 10 19 | 1 0 | 19 19 | 1 53 | 14 29 | 0 46 | 5 40 | 1 28 | 27 26 | 6 42 | 10 46 | 11 6 | 19 12 | 17 37 | 3 0 |
| S 20 | 13 10 | 17 45 | 2 47 | 21 47 | 2 33 | 6 13 | 1 24 | 12 4 | 0 13 | 10 24 | 1 0 | 19 18 | 1 53 | 14 29 | 0 46 | 5 41 | 1 28 | 27 26 | 6 42 | 10 47 | 11 7 | 19 13 | 17 38 | 3 0 |
| M21 | 13 30 | 15 24 | 1 40 | 22 6 | 2 34 | 6 42 | 1 23 | 12 20 | 0 12 | 10 29 | 1 0 | 19 17 | 1 53 | 14 30 | 0 46 | 5 41 | 1 28 | 27 25 | 6 42 | 10 47 | 11 8 | 19 13 | 17 39 | 3 0 |
| T 22 | 13 49 | 12 13 | 0 29 | 22 22 | 2 34 | 7 11 | 1 22 | 12 35 | 0 12 | 10 34 | 1 0 | 19 17 | 1 53 | 14 30 | 0 46 | 5 41 | 1 28 | 27 25 | 6 42 | 10 46 | 11 10 | 19 13 | 17 40 | 3 0 |
| W23 | 14 8 | 8 25 | 0n43 | 22 36 | 2 33 | 7 39 | 1 21 | 12 50 | 0 11 | 10 39 | 1 0 | 19 16 | 1 53 | 14 30 | 0 46 | 5 42 | 1 28 | 27 25 | 6 42 | 10 46 | 11 11 | 19 13 | 17 41 | 3 0 |
| T 24 | 14 27 | 4 15 | 1 52 | 22 48 | 2 31 | 8 7 | 1 20 | 13 6 | 0 10 | 10 44 | 1 0 | 19 15 | 1 53 | 14 30 | 0 46 | 5 42 | 1 28 | 27 25 | 6 42 | 10 47 | 11 12 | 19 13 | 17 42 | 3 0 |
| F 25 | 14 45 | 0s 3 | 2 53 | 22 57 | 2 28 | 8 36 | 1 19 | 13 21 | 0 10 | 10 49 | 1 0 | 19 15 | 1 53 | 14 30 | 0 46 | 5 42 | 1 28 | 27 25 | 6 42 | 10 49 | 11 13 | 19 14 | 17 43 | 3 0 |
| S 26 | 15 4 | 4 18 | 3 44 | 23 5 | 2 24 | 9 4 | 1 17 | 13 36 | 0 9 | 10 54 | 1 0 | 19 14 | 1 53 | 14 30 | 0 46 | 5 43 | 1 28 | 27 24 | 6 42 | 10 51 | 11 14 | 19 14 | 17 43 | 3 0 |
| S 27 | 15 22 | 8 17 | 4 24 | 23 10 | 2 19 | 9 31 | 1 16 | 13 50 | 0 8 | 10 59 | 1 0 | 19 13 | 1 53 | 14 30 | 0 46 | 5 43 | 1 28 | 27 24 | 6 41 | 10 55 | 11 15 | 19 14 | 17 44 | 3 0 |
| M28 | 15 39 | 11 50 | 4 49 | 23 13 | 2 14 | 9 59 | 1 14 | 14 5 | 0 8 | 11 4 | 0 59 | 19 12 | 1 53 | 14 29 | 0 46 | 5 43 | 1 28 | 27 24 | 6 41 | 10 59 | 11 16 | 19 14 | 17 45 | 3 0 |
| T 29 | 15 57 | 14 49 | 5 1 | 23 14 | 2 7 | 10 26 | 1 13 | 14 19 | 0 7 | 11 9 | 0 59 | 19 12 | 1 53 | 14 29 | 0 46 | 5 44 | 1 28 | 27 24 | 6 41 | 11 3 | 11 18 | 19 14 | 17 46 | 3 0 |
| W30 | 16n14 | 17s 7 | 4n58 | 23n13 | 1n59 | 10n53 | 1s11 | 14n34 | 0s 7 | 11n14 | 0s59 | 19s11 | 1n53 | 14n29 | 0n46 | 5n44 | 1n28 | 27n23 | 6n41 | 11n 8 | 11n19 | 19s15 | 17n47 | 3s 0 |

Julian Day Number = 2070327.5, Delta T = 28m15s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'39, Lahiri = 9°18'39 Julian Calendar 1 Apr. 956 == Greg. Calendar 6 Apr. 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## MAY 956 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 56 14 | 15♉19'36 | 21♐44 | 5♊36 | 2♉34 | 10♉ 0 | 2♉ 2 | 3°R48 | 23♌29 | 18°R58 | 27♋11 | 0°R58 | 0♍35 | 6♏43 | 2♊19 | T 1 |
| F 2 | 15 0 10 | 16°17'11 | 3♏40 | 6° 2 | 3°48 | 10°43 | 2°16 | 3♐44 | 23°29 | 18♍57 | 27°12 | 0♍49 | 0°31 | 6°50 | 2°24 | F 2 |
| S 3 | 15 4 7 | 17°14'45 | 15°30 | 6°24 | 5° 1 | 11°26 | 2°30 | 3°40 | 23°29 | 18°56 | 27°13 | 0°42 | 0°28 | 6°57 | 2°28 | S 3 |
| S 4 | 15 8 4 | 18°12'19 | 27°20 | 6°41 | 6°15 | 12° 8 | 2°44 | 3°35 | 23°30 | 18°55 | 27°13 | 0°38 | 0°25 | 7° 4 | 2°33 | S 4 |
| M 5 | 15 12 0 | 19° 9'51 | 9♒14 | 6°53 | 7°28 | 12°51 | 2°58 | 3°31 | 23°30 | 18°55 | 27°14 | 0°37 | 0°22 | 7°10 | 2°38 | M 5 |
| T 6 | 15 15 57 | 20° 7'23 | 21°16 | 7° 0 | 8°42 | 13°34 | 3°12 | 3°27 | 23°31 | 18°54 | 27°15 | 0°D36 | 0°19 | 7°17 | 2°43 | T 6 |
| W 7 | 15 19 53 | 21° 4'53 | 3♓33 | 7°R 3 | 9°55 | 14°16 | 3°26 | 3°23 | 23°31 | 18°54 | 27°16 | 0°R36 | 0°16 | 7°24 | 2°48 | W 7 |
| T 8 | 15 23 50 | 22° 2'23 | 16° 8 | 7° 1 | 11° 9 | 14°59 | 3°40 | 3°19 | 23°32 | 18°53 | 27°17 | 0°36 | 0°12 | 7°30 | 2°53 | T 8 |
| F 9 | 15 27 46 | 22°59'51 | 29° 8 | 6°55 | 12°22 | 15°41 | 3°54 | 3°14 | 23°33 | 18°53 | 27°18 | 0°33 | 0° 9 | 7°37 | 2°58 | F 9 |
| S 10 | 15 31 43 | 23°57'19 | 12♈34 | 6°45 | 13°36 | 16°23 | 4° 8 | 3°10 | 23°33 | 18°52 | 27°19 | 0°28 | 0° 6 | 7°44 | 3° 2 | S 10 |
| S 11 | 15 35 39 | 24°54'46 | 26°28 | 6°30 | 14°49 | 17° 6 | 4°21 | 3° 6 | 23°34 | 18°52 | 27°19 | 0°21 | 0° 3 | 7°50 | 3° 7 | S 11 |
| M12 | 15 39 36 | 25°52'13 | 10♉49 | 6°11 | 16° 3 | 17°48 | 4°35 | 3° 1 | 23°35 | 18°51 | 27°20 | 0°11 | 29♌59 | 7°57 | 3°12 | M12 |
| T 13 | 15 43 32 | 26°49'38 | 25°31 | 5°50 | 17°16 | 18°30 | 4°49 | 2°57 | 23°36 | 18°51 | 27°21 | 0° 0 | 29°57 | 8° 4 | 3°17 | T 13 |
| W14 | 15 47 29 | 27°47'03 | 10♊26 | 5°25 | 18°30 | 19°12 | 5° 3 | 2°52 | 23°37 | 18°50 | 27°22 | 29♌49 | 29°53 | 8°10 | 3°22 | W14 |
| T 15 | 15 51 26 | 28°44'26 | 25°26 | 4°57 | 19°43 | 19°55 | 5°16 | 2°48 | 23°38 | 18°50 | 27°24 | 29°39 | 29°50 | 8°17 | 3°27 | T 15 |
| F 16 | 15 55 22 | 29°41'49 | 10♋21 | 4°27 | 20°57 | 20°37 | 5°30 | 2°44 | 23°39 | 18°50 | 27°25 | 29°32 | 29°47 | 8°24 | 3°32 | F 16 |
| S 17 | 15 59 19 | 0♊39'11 | 25° 3 | 3°55 | 22°10 | 21°19 | 5°43 | 2°39 | 23°40 | 18°49 | 27°26 | 29°26 | 29°44 | 8°31 | 3°37 | S 17 |
| S 18 | 16 3 15 | 1°36'31 | 9♌28 | 3°22 | 23°24 | 22° 1 | 5°57 | 2°35 | 23°41 | 18°49 | 27°27 | 29°24 | 29°41 | 8°37 | 3°42 | S 18 |
| M19 | 16 7 12 | 2°33'50 | 23°31 | 2°49 | 24°37 | 22°43 | 6°10 | 2°30 | 23°42 | 18°49 | 27°28 | 29°23 | 29°37 | 8°44 | 3°47 | M19 |
| T 20 | 16 11 8 | 3°31'08 | 7♍15 | 2°15 | 25°51 | 23°25 | 6°24 | 2°26 | 23°43 | 18°49 | 27°29 | 29°23 | 29°34 | 8°51 | 3°52 | T 20 |
| W21 | 16 15 5 | 4°28'25 | 20°39 | 1°42 | 27° 4 | 24° 6 | 6°37 | 2°21 | 23°45 | 18°49 | 27°30 | 29°22 | 29°31 | 8°57 | 3°57 | W21 |
| T 22 | 16 19 2 | 5°25'41 | 3♎46 | 1°10 | 28°18 | 24°48 | 6°51 | 2°17 | 23°46 | 18°48 | 27°31 | 29°20 | 29°28 | 9° 4 | 4° 2 | T 22 |
| F 23 | 16 22 58 | 6°22'57 | 16°38 | 0°40 | 29°31 | 25°30 | 7° 4 | 2°13 | 23°47 | 18°48 | 27°33 | 29°15 | 29°25 | 9°11 | 4° 7 | F 23 |
| S 24 | 16 26 55 | 7°20'11 | 29°18 | 0°12 | 0♊45 | 26°12 | 7°17 | 2° 8 | 23°49 | 18°48 | 27°34 | 29° 8 | 29°22 | 9°17 | 4°12 | S 24 |
| S 25 | 16 30 51 | 8°17'24 | 11♏48 | 29♉46 | 1°59 | 26°53 | 7°30 | 2° 4 | 23°50 | 18°D48 | 27°35 | 28°58 | 29°18 | 9°24 | 4°17 | S 25 |
| M26 | 16 34 48 | 9°14'37 | 24° 7 | 29°23 | 3°12 | 27°35 | 7°43 | 1°59 | 23°52 | 18°48 | 27°36 | 28°46 | 29°15 | 9°31 | 4°22 | M26 |
| T 27 | 16 38 44 | 10°11'50 | 6♐18 | 29° 4 | 4°26 | 28°16 | 7°57 | 1°55 | 23°54 | 18°48 | 27°38 | 28°32 | 29°12 | 9°37 | 4°27 | T 27 |
| W28 | 16 42 41 | 11° 9'01 | 18°22 | 28°49 | 5°39 | 28°58 | 8°10 | 1°51 | 23°55 | 18°48 | 27°39 | 28°20 | 29° 9 | 9°44 | 4°32 | W28 |
| T 29 | 16 46 37 | 12° 6'13 | 0♑18 | 28°38 | 6°53 | 29°39 | 8°23 | 1°46 | 23°57 | 18°49 | 27°40 | 28° 8 | 29° 6 | 9°51 | 4°37 | T 29 |
| F 30 | 16 50 34 | 13° 3'24 | 12°10 | 28°31 | 8° 6 | 0♊21 | 8°35 | 1°42 | 23°59 | 18°49 | 27°42 | 27°58 | 29° 3 | 9°58 | 4°42 | F 30 |
| S 31 | 16 54 31 | 14♊ 0'34 | 23♑59 | 28°D28 | 9♊20 | 1♊ 2 | 8♉48 | 1♐38 | 24♌ 0 | 18♍49 | 27♋43 | 27♌51 | 28♌59 | 10♑ 4 | 4♊47 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n31 | 18s37 | 4n42 | 23n10 | 1n51 | 11n20 | 1s10 | 14n48 | 0s 6 | 11n19 | 0s59 | 19s10 | 1n53 | 14n29 | 0n46 | 5n44 | 1n28 | 27n23 | 6n41 | 11n12 | 11n20 | 19s15 | 17n48 | 3s 0 |
| F 2 | 16 48 | 19 17 | 4 14 | 23 5 | 1 41 | 11 47 | 1 8 | 15 2 | 0 5 | 11 24 | 0 59 | 19 9 | 1 53 | 14 29 | 0 46 | 5 44 | 1 28 | 27 23 | 6 41 | 11 15 | 11 21 | 19 15 | 17 49 | 3 0 |
| S 3 | 17 5 | 19 6 | 3 35 | 22 59 | 1 30 | 12 13 | 1 7 | 15 16 | 0 5 | 11 29 | 0 59 | 19 9 | 1 53 | 14 29 | 0 45 | 5 45 | 1 28 | 27 23 | 6 41 | 11 17 | 11 22 | 19 15 | 17 50 | 3 0 |
| S 4 | 17 21 | 18 5 | 2 47 | 22 50 | 1 19 | 12 39 | 1 5 | 15 30 | 0 4 | 11 34 | 0 59 | 19 8 | 1 53 | 14 29 | 0 45 | 5 45 | 1 28 | 27 22 | 6 41 | 11 18 | 11 23 | 19 15 | 17 51 | 3 0 |
| M 5 | 17 37 | 16 16 | 1 51 | 22 40 | 1 6 | 13 5 | 1 3 | 15 44 | 0 3 | 11 38 | 0 59 | 19 7 | 1 53 | 14 28 | 0 45 | 5 45 | 1 28 | 27 22 | 6 41 | 11 19 | 11 24 | 19 16 | 17 52 | 3 0 |
| T 6 | 17 52 | 13 43 | 0 49 | 22 28 | 0 53 | 13 31 | 1 1 | 15 57 | 0 3 | 11 43 | 0 59 | 19 6 | 1 53 | 14 28 | 0 45 | 5 45 | 1 28 | 27 22 | 6 40 | 11 19 | 11 25 | 19 16 | 17 53 | 3 0 |
| W 7 | 18 8 | 10 30 | 0s16 | 22 15 | 0 39 | 13 56 | 0 59 | 16 10 | 0 2 | 11 48 | 0 59 | 19 6 | 1 53 | 14 28 | 0 45 | 5 46 | 1 28 | 27 22 | 6 40 | 11 19 | 11 27 | 19 16 | 17 53 | 3 0 |
| T 8 | 18 23 | 6 45 | 1 21 | 22 0 | 0 24 | 14 21 | 0 58 | 16 24 | 0 2 | 11 53 | 0 59 | 19 5 | 1 53 | 14 28 | 0 45 | 5 46 | 1 28 | 27 21 | 6 40 | 11 19 | 11 28 | 19 16 | 17 54 | 3 0 |
| F 9 | 18 37 | 2 34 | 2 25 | 21 44 | 0 9 | 14 45 | 0 56 | 16 37 | 0 1 | 11 57 | 0 59 | 19 4 | 1 53 | 14 28 | 0 45 | 5 46 | 1 27 | 27 21 | 6 40 | 11 20 | 11 29 | 19 16 | 17 55 | 3 0 |
| S 10 | 18 52 | 1n53 | 3 23 | 21 26 | 0s 7 | 15 9 | 0 54 | 16 50 | 0 0 | 12 2 | 0 59 | 19 3 | 1 53 | 14 27 | 0 45 | 5 46 | 1 27 | 27 21 | 6 40 | 11 22 | 11 30 | 19 16 | 17 56 | 3 0 |
| S 11 | 19 6 | 6 23 | 4 10 | 21 7 | 0 24 | 15 33 | 0 52 | 17 2 | 0n 0 | 12 7 | 0 59 | 19 2 | 1 53 | 14 27 | 0 45 | 5 46 | 1 27 | 27 20 | 6 40 | 11 25 | 11 31 | 19 17 | 17 57 | 3 0 |
| M12 | 19 20 | 10 39 | 4 44 | 20 47 | 0 41 | 15 56 | 0 50 | 17 15 | 0 1 | 12 11 | 0 59 | 19 2 | 1 53 | 14 27 | 0 45 | 5 46 | 1 27 | 27 20 | 6 40 | 11 28 | 11 32 | 19 17 | 17 58 | 3 0 |
| T 13 | 19 33 | 14 24 | 5 0 | 20 27 | 0 58 | 16 19 | 0 48 | 17 27 | 0 2 | 12 16 | 0 59 | 19 1 | 1 53 | 14 26 | 0 45 | 5 46 | 1 27 | 27 20 | 6 40 | 11 32 | 11 33 | 19 17 | 17 59 | 3 0 |
| W14 | 19 47 | 17 16 | 4 55 | 20 5 | 1 15 | 16 42 | 0 46 | 17 40 | 0 2 | 12 21 | 0 59 | 19 0 | 1 53 | 14 26 | 0 45 | 5 47 | 1 27 | 27 20 | 6 40 | 11 36 | 11 34 | 19 17 | 18 0 | 3 1 |
| T 15 | 19 59 | 18 59 | 4 31 | 19 43 | 1 33 | 17 4 | 0 43 | 17 52 | 0 3 | 12 25 | 0 59 | 18 59 | 1 53 | 14 26 | 0 45 | 5 47 | 1 27 | 27 19 | 6 40 | 11 39 | 11 36 | 19 17 | 18 0 | 3 1 |
| F 16 | 20 12 | 19 22 | 3 48 | 19 21 | 1 50 | 17 26 | 0 41 | 18 4 | 0 4 | 12 30 | 0 59 | 18 58 | 1 53 | 14 25 | 0 45 | 5 47 | 1 27 | 27 19 | 6 40 | 11 42 | 11 37 | 19 17 | 18 1 | 3 1 |
| S 17 | 20 24 | 18 26 | 2 51 | 18 59 | 2 6 | 17 47 | 0 39 | 18 15 | 0 4 | 12 34 | 0 59 | 18 58 | 1 53 | 14 25 | 0 45 | 5 47 | 1 27 | 27 19 | 6 40 | 11 44 | 11 38 | 19 17 | 18 2 | 3 1 |
| S 18 | 20 36 | 16 19 | 1 43 | 18 37 | 2 23 | 18 8 | 0 37 | 18 27 | 0 5 | 12 39 | 0 59 | 18 57 | 1 53 | 14 24 | 0 45 | 5 47 | 1 27 | 27 18 | 6 39 | 11 45 | 11 39 | 19 18 | 18 3 | 3 1 |
| M19 | 20 47 | 13 16 | 0 31 | 18 15 | 2 38 | 18 28 | 0 35 | 18 38 | 0 5 | 12 43 | 0 59 | 18 56 | 1 53 | 14 24 | 0 45 | 5 47 | 1 27 | 27 18 | 6 39 | 11 45 | 11 40 | 19 18 | 18 4 | 3 1 |
| T 20 | 20 58 | 9 32 | 0n41 | 17 54 | 2 53 | 18 48 | 0 32 | 18 50 | 0 6 | 12 48 | 0 59 | 18 55 | 1 53 | 14 23 | 0 45 | 5 47 | 1 27 | 27 18 | 6 39 | 11 45 | 11 41 | 19 18 | 18 5 | 3 1 |
| W21 | 21 9 | 5 25 | 1 50 | 17 34 | 3 7 | 19 7 | 0 30 | 19 1 | 0 7 | 12 52 | 0 59 | 18 54 | 1 53 | 14 23 | 0 45 | 5 47 | 1 27 | 27 17 | 6 39 | 11 45 | 11 42 | 19 18 | 18 5 | 3 1 |
| T 22 | 21 20 | 1 7 | 2 51 | 17 15 | 3 19 | 19 26 | 0 28 | 19 11 | 0 7 | 12 56 | 0 59 | 18 54 | 1 53 | 14 23 | 0 45 | 5 47 | 1 27 | 27 17 | 6 39 | 11 46 | 11 43 | 19 18 | 18 6 | 3 1 |
| F 23 | 21 30 | 3s10 | 3 42 | 16 58 | 3 31 | 19 45 | 0 26 | 19 22 | 0 8 | 13 1 | 0 59 | 18 53 | 1 53 | 14 22 | 0 45 | 5 47 | 1 27 | 27 17 | 6 39 | 11 48 | 11 44 | 19 18 | 18 7 | 3 1 |
| S 24 | 21 39 | 7 13 | 4 21 | 16 42 | 3 41 | 20 2 | 0 23 | 19 33 | 0 9 | 13 5 | 0 59 | 18 52 | 1 53 | 14 22 | 0 45 | 5 47 | 1 27 | 27 17 | 6 39 | 11 50 | 11 46 | 19 18 | 18 8 | 3 1 |
| S 25 | 21 49 | 10 54 | 4 47 | 16 28 | 3 50 | 20 20 | 0 21 | 19 43 | 0 9 | 13 9 | 0 59 | 18 51 | 1 52 | 14 21 | 0 45 | 5 47 | 1 27 | 27 16 | 6 39 | 11 54 | 11 47 | 19 18 | 18 9 | 3 1 |
| M26 | 21 58 | 14 4 | 4 59 | 16 15 | 3 58 | 20 37 | 0 19 | 19 53 | 0 10 | 13 14 | 0 59 | 18 50 | 1 52 | 14 20 | 0 45 | 5 47 | 1 27 | 27 16 | 6 39 | 11 58 | 11 48 | 19 18 | 18 9 | 3 2 |
| T 27 | 22 6 | 16 35 | 4 58 | 16 5 | 4 5 | 20 53 | 0 16 | 20 3 | 0 10 | 13 18 | 0 59 | 18 50 | 1 52 | 14 20 | 0 45 | 5 47 | 1 27 | 27 16 | 6 39 | 12 3 | 11 49 | 19 19 | 18 10 | 3 2 |
| W28 | 22 14 | 18 22 | 4 43 | 15 57 | 4 10 | 21 8 | 0 14 | 20 13 | 0 11 | 13 22 | 1 0 | 18 49 | 1 52 | 14 19 | 0 45 | 5 47 | 1 27 | 27 15 | 6 39 | 12 7 | 11 50 | 19 19 | 18 11 | 3 2 |
| T 29 | 22 22 | 19 19 | 4 15 | 15 51 | 4 13 | 21 23 | 0 12 | 20 23 | 0 12 | 13 26 | 1 0 | 18 48 | 1 52 | 14 19 | 0 45 | 5 47 | 1 27 | 27 15 | 6 39 | 12 11 | 11 51 | 19 19 | 18 12 | 3 2 |
| F 30 | 22 29 | 19 25 | 3 37 | 15 47 | 4 16 | 21 38 | 0 9 | 20 32 | 0 12 | 13 30 | 1 0 | 18 47 | 1 52 | 14 18 | 0 44 | 5 47 | 1 27 | 27 15 | 6 39 | 12 15 | 11 52 | 19 19 | 18 13 | 3 2 |
| S 31 | 22n36 | 18s39 | 2n49 | 15n45 | 4s17 | 21n52 | 0s 7 | 20n41 | 0n13 | 13n34 | 1s 0 | 18s47 | 1n52 | 14n17 | 0n44 | 5n47 | 1n27 | 27n14 | 6n39 | 12n17 | 11n53 | 19s19 | 18n13 | 3s 2 |

Julian Day Number = 2070357.5, Delta T = 28m15s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'43, Lahiri = 9°18'43 Julian Calendar 1 May 956 == Greg. Calendar 6 May 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## JUNE 956 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 58 27 | 14♊57'45 | 5♒49 | 28♉30 | 10♊34 | 1♊43 | 9♉ 1 | 1°R33 | 24♌ 2 | 18♍49 | 27♋44 | 27°R47 | 28♌56 | 10♏11 | 4♊51 | S 1 |
| M 2 | 17 2 24 | 15°54'55 | 17°42 | 28°37 | 11°47 | 2°24 | 9°14 | 1♐29 | 24° 4 | 18°49 | 27°46 | 27♌44 | 28°53 | 10°18 | 4°56 | M 2 |
| T 3 | 17 6 20 | 16°52'05 | 29°44 | 28°48 | 13° 1 | 3° 6 | 9°27 | 1°25 | 24° 6 | 18°50 | 27°47 | 27°D44 | 28°50 | 10°24 | 5° 1 | T 3 |
| W 4 | 17 10 17 | 17°49'15 | 11♓59 | 29° 5 | 14°15 | 3°47 | 9°39 | 1°21 | 24° 8 | 18°50 | 27°49 | 27°R44 | 28°47 | 10°31 | 5° 6 | W 4 |
| T 5 | 17 14 13 | 18°46'26 | 24°32 | 29°25 | 15°28 | 4°28 | 9°52 | 1°17 | 24°10 | 18°50 | 27°50 | 27°44 | 28°43 | 10°38 | 5°11 | T 5 |
| F 6 | 17 18 10 | 19°43'36 | 7♈29 | 29°51 | 16°42 | 5° 9 | 10° 4 | 1°13 | 24°12 | 18°51 | 27°51 | 27°43 | 28°40 | 10°44 | 5°16 | F 6 |
| S 7 | 17 22 6 | 20°40'46 | 20°53 | 0♊21 | 17°56 | 5°50 | 10°17 | 1° 9 | 24°14 | 18°51 | 27°53 | 27°40 | 28°37 | 10°51 | 5°21 | S 7 |
| S 8 | 17 26 3 | 21°37'56 | 4♉46 | 0°56 | 19° 9 | 6°31 | 10°29 | 1° 5 | 24°16 | 18°51 | 27°54 | 27°34 | 28°34 | 10°58 | 5°26 | S 8 |
| M 9 | 17 30 0 | 22°35'07 | 19° 8 | 1°36 | 20°23 | 7°12 | 10°41 | 1° 1 | 24°19 | 18°52 | 27°56 | 27°26 | 28°31 | 11° 4 | 5°31 | M 9 |
| T 10 | 17 33 56 | 23°32'18 | 3♊55 | 2°20 | 21°37 | 7°52 | 10°54 | 0°57 | 24°21 | 18°52 | 27°57 | 27°17 | 28°28 | 11°11 | 5°35 | T 10 |
| W11 | 17 37 53 | 24°29'28 | 19° 1 | 3° 9 | 22°50 | 8°33 | 11° 6 | 0°53 | 24°23 | 18°53 | 27°59 | 27° 8 | 28°24 | 11°18 | 5°40 | W11 |
| T 12 | 17 41 49 | 25°26'39 | 4♋14 | 4° 2 | 24° 4 | 9°14 | 11°18 | 0°49 | 24°25 | 18°53 | 28° 0 | 27° 0 | 28°21 | 11°25 | 5°45 | T 12 |
| F 13 | 17 45 46 | 26°23'50 | 19°25 | 5° 0 | 25°18 | 9°55 | 11°30 | 0°45 | 24°28 | 18°54 | 28° 2 | 26°53 | 28°18 | 11°31 | 5°50 | F 13 |
| S 14 | 17 49 42 | 27°21'01 | 4♌24 | 6° 2 | 26°32 | 10°35 | 11°42 | 0°41 | 24°30 | 18°55 | 28° 4 | 26°49 | 28°15 | 11°38 | 5°55 | S 14 |
| S 15 | 17 53 39 | 28°18'11 | 19° 3 | 7° 8 | 27°45 | 11°16 | 11°54 | 0°38 | 24°33 | 18°55 | 28° 5 | 26°47 | 28°12 | 11°45 | 5°59 | S 15 |
| M16 | 17 57 35 | 29°15'21 | 3♍18 | 8°18 | 28°59 | 11°57 | 12° 6 | 0°34 | 24°35 | 18°56 | 28° 7 | 26°D47 | 28° 9 | 11°51 | 6° 4 | M16 |
| T 17 | 18 1 32 | 0♋12'32 | 17° 8 | 9°33 | 0♋13 | 12°37 | 12°17 | 0°31 | 24°38 | 18°57 | 28° 8 | 26°48 | 28° 5 | 11°58 | 6° 9 | T 17 |
| W18 | 18 5 29 | 1° 9'42 | 0♎34 | 10°52 | 1°27 | 13°18 | 12°29 | 0°27 | 24°40 | 18°57 | 28°10 | 26°R48 | 28° 2 | 12° 5 | 6°13 | W18 |
| T 19 | 18 9 25 | 2° 6'51 | 13°38 | 12°14 | 2°40 | 13°58 | 12°40 | 0°24 | 24°43 | 18°58 | 28°12 | 26°48 | 27°59 | 12°11 | 6°18 | T 19 |
| F 20 | 18 13 22 | 3° 4'01 | 26°23 | 13°41 | 3°54 | 14°38 | 12°52 | 0°20 | 24°45 | 18°59 | 28°13 | 26°45 | 27°56 | 12°18 | 6°23 | F 20 |
| S 21 | 18 17 18 | 4° 1'11 | 8♏53 | 15°11 | 5° 8 | 15°19 | 13° 3 | 0°17 | 24°48 | 19° 0 | 28°15 | 26°40 | 27°53 | 12°25 | 6°27 | S 21 |
| S 22 | 18 21 15 | 4°58'21 | 21°11 | 16°46 | 6°22 | 15°59 | 13°14 | 0°14 | 24°51 | 19° 1 | 28°17 | 26°33 | 27°49 | 12°31 | 6°32 | S 22 |
| M23 | 18 25 11 | 5°55'31 | 3♐20 | 18°24 | 7°36 | 16°39 | 13°26 | 0°11 | 24°53 | 19° 2 | 28°18 | 26°25 | 27°46 | 12°38 | 6°36 | M23 |
| T 24 | 18 29 8 | 6°52'42 | 15°21 | 20° 6 | 8°49 | 17°19 | 13°37 | 0° 7 | 24°56 | 19° 2 | 28°20 | 26°16 | 27°43 | 12°45 | 6°41 | T 24 |
| W25 | 18 33 4 | 7°49'53 | 27°17 | 21°51 | 10° 3 | 18° 0 | 13°48 | 0° 4 | 24°59 | 19° 3 | 28°22 | 26° 7 | 27°40 | 12°51 | 6°45 | W25 |
| T 26 | 18 37 1 | 8°47'04 | 9♑ 9 | 23°39 | 11°17 | 18°40 | 13°58 | 0° 1 | 25° 2 | 19° 4 | 28°23 | 25°59 | 27°37 | 12°58 | 6°50 | T 26 |
| F 27 | 18 40 58 | 9°44'16 | 20°59 | 25°31 | 12°31 | 19°20 | 14° 9 | 29♏59 | 25° 5 | 19° 5 | 28°25 | 25°52 | 27°34 | 13° 5 | 6°54 | F 27 |
| S 28 | 18 44 54 | 10°41'28 | 2♒48 | 27°25 | 13°45 | 20° 0 | 14°20 | 29°56 | 25° 8 | 19° 6 | 28°27 | 25°48 | 27°30 | 13°12 | 6°59 | S 28 |
| S 29 | 18 48 51 | 11°38'41 | 14°40 | 29°22 | 14°59 | 20°40 | 14°31 | 29°53 | 25°11 | 19° 7 | 28°29 | 25°45 | 27°27 | 13°18 | 7° 3 | S 29 |
| M30 | 18 52 47 | 12♋35'54 | 26♒37 | 1♋21 | 16♋12 | 21♊20 | 14♉41 | 29♏50 | 25♌14 | 19♍ 9 | 28♋30 | 25°D44 | 27♌24 | 13♏25 | 7♊ 7 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n43 | 17s 5 | 1n54 | 15n46 | 4s17 | 22n 5 | 0s 4 | 20n50 | 0n14 | 13n38 | 1s 0 | 18s46 | 1n52 | 14n17 | 0n44 | 5n46 | 1n27 | 27n14 | 6n39 | 12n19 | 11n54 | 19s19 | 18n14 | 3s 2 |
| M 2 | 22 49 | 14 46 | 0 53 | 15 48 | 4 15 | 22 18 | 0 2 | 20 59 | 0 14 | 13 42 | 1 0 | 18 45 | 1 52 | 14 16 | 0 44 | 5 46 | 1 27 | 27 14 | 6 38 | 12 19 | 11 56 | 19 19 | 18 15 | 3 2 |
| T 3 | 22 55 | 11 48 | 0s11 | 15 53 | 4 13 | 22 30 | 0n 0 | 21 8 | 0 15 | 13 47 | 1 0 | 18 44 | 1 52 | 14 15 | 0 44 | 5 46 | 1 26 | 27 13 | 6 38 | 12 20 | 11 57 | 19 19 | 18 16 | 3 3 |
| W 4 | 23 1 | 8 16 | 1 15 | 16 0 | 4 10 | 22 41 | 0 3 | 21 16 | 0 15 | 13 50 | 1 0 | 18 44 | 1 51 | 14 15 | 0 44 | 5 46 | 1 26 | 27 13 | 6 38 | 12 19 | 11 58 | 19 19 | 18 16 | 3 3 |
| T 5 | 23 6 | 4 17 | 2 18 | 16 9 | 4 5 | 22 52 | 0 5 | 21 25 | 0 16 | 13 54 | 1 0 | 18 43 | 1 51 | 14 14 | 0 44 | 5 46 | 1 26 | 27 13 | 6 38 | 12 20 | 11 59 | 19 19 | 18 17 | 3 3 |
| F 6 | 23 10 | 0n 0 | 3 15 | 16 20 | 4 0 | 23 2 | 0 7 | 21 33 | 0 17 | 13 58 | 1 0 | 18 42 | 1 51 | 14 13 | 0 44 | 5 46 | 1 26 | 27 12 | 6 38 | 12 20 | 12 0 | 19 19 | 18 18 | 3 3 |
| S 7 | 23 15 | 4 26 | 4 4 | 16 32 | 3 53 | 23 11 | 0 10 | 21 41 | 0 17 | 14 2 | 1 0 | 18 41 | 1 51 | 14 13 | 0 44 | 5 45 | 1 26 | 27 12 | 6 38 | 12 21 | 12 1 | 19 19 | 18 19 | 3 3 |
| S 8 | 23 18 | 8 47 | 4 40 | 16 46 | 3 46 | 23 20 | 0 12 | 21 49 | 0 18 | 14 6 | 1 0 | 18 41 | 1 51 | 14 12 | 0 44 | 5 45 | 1 26 | 27 11 | 6 38 | 12 23 | 12 2 | 19 19 | 18 19 | 3 3 |
| M 9 | 23 22 | 12 47 | 5 1 | 17 2 | 3 38 | 23 28 | 0 15 | 21 56 | 0 18 | 14 10 | 1 0 | 18 40 | 1 51 | 14 11 | 0 44 | 5 45 | 1 26 | 27 11 | 6 38 | 12 26 | 12 3 | 19 20 | 18 20 | 3 3 |
| T 10 | 23 25 | 16 7 | 5 2 | 17 19 | 3 29 | 23 35 | 0 17 | 22 3 | 0 19 | 14 14 | 1 0 | 18 39 | 1 51 | 14 10 | 0 44 | 5 45 | 1 26 | 27 11 | 6 38 | 12 29 | 12 4 | 19 20 | 18 21 | 3 4 |
| W11 | 23 27 | 18 26 | 4 42 | 17 38 | 3 20 | 23 42 | 0 19 | 22 11 | 0 20 | 14 17 | 1 0 | 18 39 | 1 50 | 14 10 | 0 44 | 5 45 | 1 26 | 27 10 | 6 38 | 12 32 | 12 6 | 19 20 | 18 21 | 3 4 |
| T 12 | 23 30 | 19 28 | 4 3 | 17 58 | 3 10 | 23 48 | 0 22 | 22 18 | 0 20 | 14 21 | 1 0 | 18 38 | 1 50 | 14 9 | 0 44 | 5 44 | 1 26 | 27 10 | 6 38 | 12 35 | 12 7 | 19 20 | 18 22 | 3 4 |
| F 13 | 23 31 | 19 6 | 3 6 | 18 18 | 2 59 | 23 53 | 0 24 | 22 24 | 0 21 | 14 25 | 1 0 | 18 37 | 1 50 | 14 8 | 0 44 | 5 44 | 1 26 | 27 10 | 6 38 | 12 37 | 12 8 | 19 20 | 18 23 | 3 4 |
| S 14 | 23 33 | 17 23 | 1 57 | 18 40 | 2 48 | 23 58 | 0 26 | 22 31 | 0 21 | 14 28 | 1 0 | 18 37 | 1 50 | 14 7 | 0 44 | 5 44 | 1 26 | 27 9 | 6 38 | 12 39 | 12 9 | 19 20 | 18 23 | 3 4 |
| S 15 | 23 34 | 14 33 | 0 41 | 19 2 | 2 37 | 24 1 | 0 28 | 22 37 | 0 22 | 14 32 | 1 0 | 18 36 | 1 50 | 14 6 | 0 44 | 5 44 | 1 26 | 27 9 | 6 38 | 12 39 | 12 10 | 19 20 | 18 24 | 3 4 |
| M16 | 23 34 | 10 54 | 0n35 | 19 25 | 2 25 | 24 5 | 0 31 | 22 43 | 0 23 | 14 36 | 1 0 | 18 36 | 1 50 | 14 5 | 0 44 | 5 43 | 1 26 | 27 9 | 6 38 | 12 39 | 12 11 | 19 20 | 18 25 | 3 5 |
| T 17 | 23 34 | 6 45 | 1 47 | 19 49 | 2 13 | 24 7 | 0 33 | 22 49 | 0 23 | 14 39 | 1 0 | 18 35 | 1 50 | 14 4 | 0 44 | 5 43 | 1 26 | 27 8 | 6 38 | 12 39 | 12 12 | 19 20 | 18 25 | 3 5 |
| W18 | 23 34 | 2 23 | 2 51 | 20 12 | 2 1 | 24 9 | 0 35 | 22 55 | 0 24 | 14 43 | 1 0 | 18 35 | 1 49 | 14 4 | 0 44 | 5 43 | 1 26 | 27 8 | 6 38 | 12 39 | 12 13 | 19 20 | 18 26 | 3 5 |
| T 19 | 23 33 | 1s58 | 3 44 | 20 36 | 1 48 | 24 10 | 0 37 | 23 1 | 0 25 | 14 46 | 1 1 | 18 34 | 1 49 | 14 3 | 0 44 | 5 42 | 1 26 | 27 8 | 6 38 | 12 39 | 12 14 | 19 20 | 18 26 | 3 5 |
| F 20 | 23 32 | 6 7 | 4 25 | 21 0 | 1 35 | 24 10 | 0 39 | 23 6 | 0 25 | 14 49 | 1 1 | 18 33 | 1 49 | 14 2 | 0 44 | 5 42 | 1 26 | 27 7 | 6 38 | 12 40 | 12 16 | 19 20 | 18 27 | 3 5 |
| S 21 | 23 31 | 9 56 | 4 52 | 21 23 | 1 22 | 24 10 | 0 41 | 23 11 | 0 26 | 14 53 | 1 1 | 18 33 | 1 49 | 14 1 | 0 44 | 5 41 | 1 26 | 27 7 | 6 38 | 12 42 | 12 17 | 19 20 | 18 28 | 3 6 |
| S 22 | 23 29 | 13 15 | 5 5 | 21 46 | 1 9 | 24 8 | 0 43 | 23 16 | 0 26 | 14 56 | 1 1 | 18 32 | 1 49 | 14 0 | 0 44 | 5 41 | 1 26 | 27 7 | 6 38 | 12 44 | 12 18 | 19 20 | 18 28 | 3 6 |
| M23 | 23 26 | 15 57 | 5 4 | 22 8 | 0 56 | 24 7 | 0 45 | 23 21 | 0 27 | 14 59 | 1 1 | 18 32 | 1 49 | 13 59 | 0 44 | 5 41 | 1 26 | 27 6 | 6 38 | 12 47 | 12 19 | 19 20 | 18 29 | 3 6 |
| T 24 | 23 24 | 17 57 | 4 50 | 22 29 | 0 44 | 24 4 | 0 47 | 23 25 | 0 28 | 15 3 | 1 1 | 18 31 | 1 48 | 13 58 | 0 44 | 5 40 | 1 26 | 27 6 | 6 38 | 12 50 | 12 20 | 19 20 | 18 29 | 3 6 |
| W25 | 23 20 | 19 10 | 4 23 | 22 48 | 0 31 | 24 1 | 0 49 | 23 30 | 0 28 | 15 6 | 1 1 | 18 31 | 1 48 | 13 57 | 0 44 | 5 40 | 1 26 | 27 6 | 6 38 | 12 53 | 12 21 | 19 20 | 18 30 | 3 6 |
| T 26 | 23 17 | 19 31 | 3 45 | 23 7 | 0 18 | 23 56 | 0 51 | 23 34 | 0 29 | 15 9 | 1 1 | 18 31 | 1 48 | 13 56 | 0 44 | 5 40 | 1 26 | 27 5 | 6 38 | 12 56 | 12 22 | 19 20 | 18 30 | 3 7 |
| F 27 | 23 13 | 19 1 | 2 57 | 23 24 | 0 6 | 23 52 | 0 53 | 23 38 | 0 29 | 15 12 | 1 1 | 18 30 | 1 48 | 13 55 | 0 44 | 5 39 | 1 26 | 27 5 | 6 38 | 12 58 | 12 23 | 19 20 | 18 31 | 3 7 |
| S 28 | 23 8 | 17 41 | 2 1 | 23 38 | 0n 6 | 23 46 | 0 55 | 23 41 | 0 30 | 15 15 | 1 1 | 18 30 | 1 48 | 13 54 | 0 44 | 5 39 | 1 26 | 27 4 | 6 38 | 13 0 | 12 24 | 19 20 | 18 31 | 3 7 |
| S 29 | 23 4 | 15 34 | 1 0 | 23 51 | 0 17 | 23 40 | 0 57 | 23 45 | 0 31 | 15 18 | 1 1 | 18 29 | 1 47 | 13 53 | 0 44 | 5 38 | 1 25 | 27 4 | 6 38 | 13 0 | 12 25 | 19 20 | 18 32 | 3 7 |
| M30 | 22n58 | 12s47 | 0s 5 | 24n 2 | 0n28 | 23n33 | 0n59 | 23n48 | 0n31 | 15n21 | 1s 1 | 18s29 | 1n47 | 13n52 | 0n44 | 5n38 | 1n25 | 27n 4 | 6n38 | 13n 1 | 12n27 | 19s20 | 18n32 | 3s 7 |

Julian Day Number = 2070388.5, Delta T = 28m14s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'47, Lahiri = 9°18'48 Julian Calendar 1 June 956 == Greg. Calendar 6 June 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## JULY 956 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 56 44 | 13♋33'08 | 8♓43 | 3♋22 | 17♋26 | 21♊59 | 14♉51 | 29°R48 | 25♎17 | 19♍10 | 28♋32 | 25♎45 | 27♎21 | 13♑32 | 7♊12 | T 1 |
| W 2 | 19 0 40 | 14°30'23 | 21° 1 | 5°25 | 18°40 | 22°39 | 15° 2 | 29♏45 | 25°20 | 19°11 | 28°34 | 25°46 | 27°18 | 13°38 | 7°16 | W 2 |
| T 3 | 19 4 37 | 15°27'39 | 3♈35 | 7°29 | 19°54 | 23°19 | 15°12 | 29°43 | 25°23 | 19°12 | 28°35 | 25°48 | 27°15 | 13°45 | 7°20 | T 3 |
| F 4 | 19 8 33 | 16°24'56 | 16°30 | 9°35 | 21° 8 | 23°59 | 15°22 | 29°40 | 25°26 | 19°13 | 28°37 | 25°R48 | 27°11 | 13°52 | 7°24 | F 4 |
| S 5 | 19 12 30 | 17°22'14 | 29°49 | 11°41 | 22°22 | 24°38 | 15°32 | 29°38 | 25°29 | 19°14 | 28°39 | 25°48 | 27° 8 | 13°58 | 7°29 | S 5 |
| S 6 | 19 16 27 | 18°19'33 | 13♉35 | 13°47 | 23°36 | 25°18 | 15°42 | 29°36 | 25°32 | 19°16 | 28°41 | 25°45 | 27° 5 | 14° 5 | 7°33 | S 6 |
| M 7 | 19 20 23 | 19°16'53 | 27°49 | 15°54 | 24°50 | 25°58 | 15°52 | 29°34 | 25°35 | 19°17 | 28°43 | 25°42 | 27° 2 | 14°12 | 7°37 | M 7 |
| T 8 | 19 24 20 | 20°14'15 | 12♊28 | 18° 0 | 26° 4 | 26°37 | 16° 1 | 29°32 | 25°38 | 19°18 | 28°44 | 25°37 | 26°59 | 14°18 | 7°41 | T 8 |
| W 9 | 19 28 16 | 21°11'37 | 27°27 | 20° 7 | 27°18 | 27°17 | 16°11 | 29°30 | 25°42 | 19°20 | 28°46 | 25°32 | 26°55 | 14°25 | 7°45 | W 9 |
| T 10 | 19 32 13 | 22° 9'00 | 12♋39 | 22°12 | 28°32 | 27°56 | 16°20 | 29°28 | 25°45 | 19°21 | 28°48 | 25°28 | 26°52 | 14°32 | 7°49 | T 10 |
| F 11 | 19 36 9 | 23° 6'25 | 27°52 | 24°17 | 29°46 | 28°36 | 16°30 | 29°26 | 25°48 | 19°22 | 28°50 | 25°24 | 26°49 | 14°38 | 7°53 | F 11 |
| S 12 | 19 40 6 | 24° 3'50 | 12♎57 | 26°21 | 1♎ 0 | 29°15 | 16°39 | 29°25 | 25°52 | 19°24 | 28°51 | 25°22 | 26°46 | 14°45 | 7°57 | S 12 |
| S 13 | 19 44 3 | 25° 1'16 | 27°46 | 28°23 | 2°14 | 29°54 | 16°48 | 29°23 | 25°55 | 19°25 | 28°53 | 25°D22 | 26°43 | 14°52 | 8° 1 | S 13 |
| M14 | 19 47 59 | 25°58'43 | 12♍12 | 0♎25 | 3°28 | 0♋34 | 16°57 | 29°22 | 25°58 | 19°27 | 28°55 | 25°23 | 26°40 | 14°58 | 8° 4 | M14 |
| T 15 | 19 51 56 | 26°56'10 | 26°12 | 2°25 | 4°42 | 1°13 | 17° 5 | 29°20 | 26° 2 | 19°28 | 28°57 | 25°24 | 26°36 | 15° 5 | 8° 8 | T 15 |
| W16 | 19 55 52 | 27°53'38 | 9♏45 | 4°24 | 5°56 | 1°52 | 17°14 | 29°19 | 26° 5 | 19°30 | 28°59 | 25°25 | 26°33 | 15°12 | 8°12 | W16 |
| T 17 | 19 59 49 | 28°51'08 | 22°53 | 6°21 | 7°10 | 2°31 | 17°23 | 29°18 | 26° 8 | 19°31 | 29° 0 | 25°R26 | 26°30 | 15°18 | 8°16 | T 17 |
| F 18 | 20 3 45 | 29°48'38 | 5♏39 | 8°17 | 8°24 | 3°11 | 17°31 | 29°17 | 26°12 | 19°33 | 29° 2 | 25°26 | 26°27 | 15°25 | 8°19 | F 18 |
| S 19 | 20 7 42 | 0♎46'08 | 18° 7 | 10°11 | 9°38 | 3°50 | 17°39 | 29°16 | 26°15 | 19°35 | 29° 4 | 25°25 | 26°24 | 15°32 | 8°23 | S 19 |
| S 20 | 20 11 38 | 1°43'40 | 0♐20 | 12° 4 | 10°52 | 4°29 | 17°47 | 29°15 | 26°19 | 19°36 | 29° 6 | 25°23 | 26°21 | 15°38 | 8°26 | S 20 |
| M21 | 20 15 35 | 2°41'13 | 12°22 | 13°56 | 12° 6 | 5° 8 | 17°55 | 29°14 | 26°22 | 19°38 | 29° 8 | 25°20 | 26°17 | 15°45 | 8°30 | M21 |
| T 22 | 20 19 31 | 3°38'47 | 24°18 | 15°46 | 13°21 | 5°47 | 18° 3 | 29°13 | 26°26 | 19°39 | 29° 9 | 25°17 | 26°14 | 15°52 | 8°33 | T 22 |
| W23 | 20 23 28 | 4°36'22 | 6♑ 9 | 17°34 | 14°35 | 6°26 | 18°11 | 29°12 | 26°29 | 19°41 | 29°11 | 25°13 | 26°11 | 15°59 | 8°37 | W23 |
| T 24 | 20 27 25 | 5°33'58 | 17°59 | 19°21 | 15°49 | 7° 4 | 18°19 | 29°12 | 26°33 | 19°43 | 29°13 | 25°10 | 26° 8 | 16° 5 | 8°40 | T 24 |
| F 25 | 20 31 21 | 6°31'35 | 29°50 | 21° 7 | 17° 3 | 7°43 | 18°26 | 29°11 | 26°37 | 19°45 | 29°15 | 25° 8 | 26° 5 | 16°12 | 8°43 | F 25 |
| S 26 | 20 35 18 | 7°29'14 | 11♒44 | 22°51 | 18°17 | 8°22 | 18°33 | 29°11 | 26°40 | 19°46 | 29°17 | 25° 6 | 26° 1 | 16°19 | 8°47 | S 26 |
| S 27 | 20 39 14 | 8°26'54 | 23°43 | 24°33 | 19°31 | 9° 1 | 18°40 | 29°11 | 26°44 | 19°48 | 29°18 | 25°D 6 | 25°58 | 16°25 | 8°50 | S 27 |
| M28 | 20 43 11 | 9°24'35 | 5♓49 | 26°15 | 20°45 | 9°39 | 18°47 | 29°11 | 26°47 | 19°50 | 29°20 | 25° 6 | 25°55 | 16°32 | 8°53 | M28 |
| T 29 | 20 47 7 | 10°22'18 | 18° 5 | 27°54 | 21°59 | 10°18 | 18°54 | 29°D11 | 26°51 | 19°52 | 29°22 | 25° 7 | 25°52 | 16°39 | 8°56 | T 29 |
| W30 | 20 51 4 | 11°20'03 | 0♈32 | 29°33 | 23°13 | 10°57 | 19° 1 | 29°11 | 26°55 | 19°53 | 29°24 | 25° 8 | 25°49 | 16°45 | 8°59 | W30 |
| T 31 | 20 55 0 | 12♎17'49 | 13♈14 | 1♍10 | 24♎27 | 11♋35 | 19♉ 8 | 29♏11 | 26♎58 | 19♍55 | 29♋25 | 25♎ 9 | 25♎46 | 16♑52 | 9♊ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n53 | 9s26 | 1s10 | 24n10 | 0n38 | 23n25 | 1n 0 | 23n51 | 0n32 | 15n24 | 1s 1 | 18s29 | 1n47 | 13n51 | 0n44 | 5n37 | 1n25 | 27n 3 | 6n38 | 13n 0 | 12n28 | 19s20 | 18n33 | 3s 8 |
| W 2 | 22 47 | 5 37 | 2 13 | 24 15 | 0 48 | 23 17 | 1 2 | 23 54 | 0 32 | 15 27 | 1 1 | 18 28 | 1 47 | 13 50 | 0 43 | 5 37 | 1 25 | 27 3 | 6 38 | 13 0 | 12 29 | 19 20 | 18 33 | 3 8 |
| T 3 | 22 40 | 1 29 | 3 11 | 24 18 | 0 57 | 23 8 | 1 4 | 23 57 | 0 33 | 15 30 | 1 2 | 18 28 | 1 47 | 13 49 | 0 43 | 5 36 | 1 25 | 27 3 | 6 38 | 12 59 | 12 30 | 19 20 | 18 34 | 3 8 |
| F 4 | 22 33 | 2n48 | 4 1 | 24 19 | 1 5 | 22 58 | 1 5 | 24 0 | 0 34 | 15 33 | 1 2 | 18 28 | 1 46 | 13 48 | 0 43 | 5 36 | 1 25 | 27 2 | 6 38 | 12 59 | 12 31 | 19 20 | 18 34 | 3 8 |
| S 5 | 22 26 | 7 6 | 4 40 | 24 16 | 1 13 | 22 48 | 1 7 | 24 2 | 0 34 | 15 36 | 1 2 | 18 27 | 1 46 | 13 47 | 0 43 | 5 35 | 1 25 | 27 2 | 6 38 | 12 59 | 12 32 | 19 20 | 18 35 | 3 8 |
| S 6 | 22 19 | 11 10 | 5 5 | 24 11 | 1 20 | 22 37 | 1 8 | 24 4 | 0 35 | 15 39 | 1 2 | 18 27 | 1 46 | 13 46 | 0 43 | 5 35 | 1 25 | 27 2 | 6 38 | 13 0 | 12 33 | 19 20 | 18 35 | 3 9 |
| M 7 | 22 11 | 14 44 | 5 11 | 24 2 | 1 26 | 22 25 | 1 10 | 24 6 | 0 35 | 15 41 | 1 2 | 18 27 | 1 46 | 13 45 | 0 43 | 5 34 | 1 25 | 27 1 | 6 38 | 13 2 | 12 34 | 19 20 | 18 36 | 3 9 |
| T 8 | 22 2 | 17 29 | 4 58 | 23 52 | 1 31 | 22 13 | 1 11 | 24 8 | 0 36 | 15 44 | 1 2 | 18 27 | 1 46 | 13 43 | 0 43 | 5 34 | 1 25 | 27 1 | 6 38 | 13 3 | 12 35 | 19 20 | 18 36 | 3 9 |
| W 9 | 21 53 | 19 8 | 4 25 | 23 38 | 1 36 | 22 0 | 1 12 | 24 9 | 0 36 | 15 47 | 1 2 | 18 26 | 1 45 | 13 42 | 0 43 | 5 33 | 1 25 | 27 1 | 6 38 | 13 5 | 12 36 | 19 20 | 18 36 | 3 9 |
| T 10 | 21 44 | 19 27 | 3 32 | 23 22 | 1 39 | 21 46 | 1 14 | 24 10 | 0 37 | 15 49 | 1 2 | 18 26 | 1 45 | 13 41 | 0 43 | 5 32 | 1 25 | 27 0 | 6 38 | 13 6 | 12 37 | 19 19 | 18 37 | 3 10 |
| F 11 | 21 35 | 18 20 | 2 25 | 23 4 | 1 43 | 21 32 | 1 15 | 24 12 | 0 38 | 15 52 | 1 2 | 18 26 | 1 45 | 13 40 | 0 43 | 5 32 | 1 25 | 27 0 | 6 38 | 13 7 | 12 39 | 19 19 | 18 37 | 3 10 |
| S 12 | 21 25 | 15 56 | 1 7 | 22 43 | 1 45 | 21 17 | 1 16 | 24 12 | 0 38 | 15 55 | 1 2 | 18 26 | 1 45 | 13 39 | 0 43 | 5 31 | 1 25 | 27 0 | 6 39 | 13 8 | 12 40 | 19 19 | 18 38 | 3 10 |
| S 13 | 21 15 | 12 31 | 0n13 | 22 20 | 1 46 | 21 1 | 1 17 | 24 13 | 0 39 | 15 57 | 1 2 | 18 26 | 1 45 | 13 38 | 0 43 | 5 31 | 1 25 | 26 59 | 6 39 | 13 8 | 12 41 | 19 19 | 18 38 | 3 10 |
| M14 | 21 4 | 8 25 | 1 31 | 21 55 | 1 47 | 20 45 | 1 18 | 24 14 | 0 39 | 15 59 | 1 3 | 18 26 | 1 44 | 13 37 | 0 43 | 5 30 | 1 25 | 26 59 | 6 39 | 13 8 | 12 42 | 19 19 | 18 38 | 3 11 |
| T 15 | 20 53 | 3 59 | 2 41 | 21 28 | 1 47 | 20 29 | 1 19 | 24 14 | 0 40 | 16 2 | 1 3 | 18 26 | 1 44 | 13 35 | 0 43 | 5 29 | 1 25 | 26 59 | 6 39 | 13 8 | 12 43 | 19 19 | 18 39 | 3 11 |
| W16 | 20 42 | 0s31 | 3 40 | 21 0 | 1 47 | 20 11 | 1 20 | 24 14 | 0 41 | 16 4 | 1 3 | 18 25 | 1 44 | 13 34 | 0 43 | 5 29 | 1 25 | 26 58 | 6 39 | 13 7 | 12 44 | 19 19 | 18 39 | 3 11 |
| T 17 | 20 30 | 4 50 | 4 25 | 20 30 | 1 46 | 19 53 | 1 21 | 24 14 | 0 41 | 16 7 | 1 3 | 18 25 | 1 44 | 13 33 | 0 43 | 5 28 | 1 25 | 26 58 | 6 39 | 13 7 | 12 45 | 19 19 | 18 39 | 3 12 |
| F 18 | 20 18 | 8 49 | 4 56 | 19 58 | 1 44 | 19 35 | 1 22 | 24 14 | 0 42 | 16 9 | 1 3 | 18 25 | 1 43 | 13 32 | 0 43 | 5 28 | 1 25 | 26 58 | 6 39 | 13 7 | 12 46 | 19 19 | 18 40 | 3 12 |
| S 19 | 20 6 | 12 19 | 5 12 | 19 25 | 1 42 | 19 16 | 1 23 | 24 13 | 0 42 | 16 11 | 1 3 | 18 25 | 1 43 | 13 31 | 0 43 | 5 27 | 1 25 | 26 57 | 6 39 | 13 7 | 12 47 | 19 19 | 18 40 | 3 12 |
| S 20 | 19 53 | 15 14 | 5 13 | 18 51 | 1 39 | 18 56 | 1 23 | 24 13 | 0 43 | 16 13 | 1 3 | 18 25 | 1 43 | 13 29 | 0 43 | 5 26 | 1 25 | 26 57 | 6 39 | 13 8 | 12 48 | 19 19 | 18 40 | 3 12 |
| M21 | 19 40 | 17 26 | 5 1 | 18 16 | 1 36 | 18 36 | 1 24 | 24 12 | 0 44 | 16 15 | 1 3 | 18 25 | 1 43 | 13 28 | 0 43 | 5 26 | 1 25 | 26 57 | 6 39 | 13 9 | 12 49 | 19 19 | 18 40 | 3 13 |
| T 22 | 19 27 | 18 52 | 4 35 | 17 40 | 1 32 | 18 16 | 1 25 | 24 11 | 0 44 | 16 17 | 1 3 | 18 26 | 1 43 | 13 27 | 0 43 | 5 25 | 1 25 | 26 56 | 6 39 | 13 10 | 12 50 | 19 18 | 18 41 | 3 13 |
| W23 | 19 13 | 19 28 | 3 58 | 17 3 | 1 28 | 17 54 | 1 25 | 24 10 | 0 45 | 16 19 | 1 3 | 18 26 | 1 42 | 13 26 | 0 43 | 5 24 | 1 25 | 26 56 | 6 39 | 13 11 | 12 52 | 19 18 | 18 41 | 3 13 |
| T 24 | 18 59 | 19 12 | 3 11 | 16 25 | 1 24 | 17 33 | 1 26 | 24 8 | 0 45 | 16 21 | 1 4 | 18 26 | 1 42 | 13 25 | 0 43 | 5 24 | 1 25 | 26 56 | 6 39 | 13 12 | 12 53 | 19 18 | 18 41 | 3 13 |
| F 25 | 18 45 | 18 6 | 2 15 | 15 47 | 1 19 | 17 11 | 1 26 | 24 6 | 0 46 | 16 23 | 1 4 | 18 26 | 1 42 | 13 23 | 0 43 | 5 23 | 1 25 | 26 56 | 6 39 | 13 13 | 12 54 | 19 18 | 18 41 | 3 14 |
| S 26 | 18 30 | 16 11 | 1 13 | 15 8 | 1 13 | 16 48 | 1 26 | 24 5 | 0 46 | 16 25 | 1 4 | 18 26 | 1 42 | 13 22 | 0 43 | 5 22 | 1 25 | 26 55 | 6 40 | 13 14 | 12 55 | 19 18 | 18 41 | 3 14 |
| S 27 | 18 15 | 13 34 | 0 8 | 14 28 | 1 8 | 16 25 | 1 27 | 24 3 | 0 47 | 16 27 | 1 4 | 18 26 | 1 41 | 13 21 | 0 43 | 5 21 | 1 25 | 26 55 | 6 40 | 13 14 | 12 56 | 19 18 | 18 42 | 3 14 |
| M28 | 18 0 | 10 21 | 0s59 | 13 48 | 1 2 | 16 1 | 1 27 | 24 1 | 0 48 | 16 29 | 1 4 | 18 26 | 1 41 | 13 20 | 0 43 | 5 21 | 1 25 | 26 55 | 6 40 | 13 14 | 12 57 | 19 18 | 18 42 | 3 15 |
| T 29 | 17 44 | 6 38 | 2 4 | 13 8 | 0 55 | 15 38 | 1 27 | 23 58 | 0 48 | 16 31 | 1 4 | 18 27 | 1 41 | 13 18 | 0 43 | 5 20 | 1 25 | 26 54 | 6 40 | 13 13 | 12 58 | 19 18 | 18 42 | 3 15 |
| W30 | 17 28 | 2 36 | 3 4 | 12 27 | 0 49 | 15 13 | 1 27 | 23 56 | 0 49 | 16 32 | 1 4 | 18 27 | 1 41 | 13 17 | 0 43 | 5 19 | 1 25 | 26 54 | 6 40 | 13 13 | 12 59 | 19 18 | 18 42 | 3 15 |
| T 31 | 17n12 | 1n38 | 3s56 | 11n46 | 0n42 | 14n48 | 1n27 | 23n53 | 0n49 | 16n34 | 1s 4 | 18s27 | 1n41 | 13n16 | 0n43 | 5n18 | 1n25 | 26n54 | 6n40 | 13n13 | 13n 0 | 19s17 | 18n42 | 3s16 |

Julian Day Number = 2070418.5, Delta T = 28m14s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'51, Lahiri = 9°18'52 Julian Calendar 1 July 956 == Greg. Calendar 6 July 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## AUGUST 956 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 58 57 | 13♌15'36 | 26♈13 | 2♍45 | 25♌42 | 12♋14 | 19♉14 | 29♏11 | 27♌ 2 | 19♍57 | 29♋27 | 25♌10 | 25♌42 | 16♑59 | 9♊ 5 | F 1 |
| S 2 | 21 2 54 | 14°13'26 | 9♉32 | 4°19 | 26°56 | 12°52 | 19°20 | 29°11 | 27° 6 | 19°59 | 29°29 | 25°R11 | 25°39 | 17° 5 | 9° 8 | S 2 |
| S 3 | 21 6 50 | 15°11'18 | 23°12 | 5°52 | 28°10 | 13°31 | 19°26 | 29°12 | 27° 9 | 20° 1 | 29°31 | 25°11 | 25°36 | 17°12 | 9°10 | S 3 |
| M 4 | 21 10 47 | 16° 9'11 | 7♊15 | 7°23 | 29°24 | 14° 9 | 19°32 | 29°12 | 27°13 | 20° 3 | 29°32 | 25°10 | 25°33 | 17°19 | 9°13 | M 4 |
| T 5 | 21 14 43 | 17° 7'06 | 21°39 | 8°53 | 0♍38 | 14°47 | 19°38 | 29°13 | 27°17 | 20° 5 | 29°34 | 25° 9 | 25°30 | 17°25 | 9°16 | T 5 |
| W 6 | 21 18 40 | 18° 5'04 | 6♋21 | 10°21 | 1°52 | 15°26 | 19°43 | 29°14 | 27°21 | 20° 7 | 29°36 | 25° 8 | 25°26 | 17°32 | 9°18 | W 6 |
| T 7 | 21 22 36 | 19° 3'03 | 21°15 | 11°48 | 3° 7 | 16° 4 | 19°49 | 29°14 | 27°24 | 20° 9 | 29°38 | 25° 8 | 25°23 | 17°39 | 9°21 | T 7 |
| F 8 | 21 26 33 | 20° 1'04 | 6♌16 | 13°14 | 4°21 | 16°42 | 19°54 | 29°15 | 27°28 | 20°11 | 29°39 | 25° 7 | 25°20 | 17°45 | 9°24 | F 8 |
| S 9 | 21 30 29 | 20°59'06 | 21°13 | 14°38 | 5°35 | 17°21 | 19°59 | 29°16 | 27°32 | 20°13 | 29°41 | 25°D 7 | 25°17 | 17°52 | 9°26 | S 9 |
| S 10 | 21 34 26 | 21°57'10 | 5♍59 | 16° 1 | 6°49 | 17°59 | 20° 4 | 29°17 | 27°36 | 20°15 | 29°43 | 25° 7 | 25°14 | 17°59 | 9°28 | S 10 |
| M11 | 21 38 23 | 22°55'16 | 20°27 | 17°22 | 8° 3 | 18°37 | 20° 9 | 29°19 | 27°39 | 20°17 | 29°44 | 25° 7 | 25°11 | 18° 5 | 9°31 | M11 |
| T 12 | 21 42 19 | 23°53'24 | 4♎32 | 18°42 | 9°17 | 19°15 | 20°13 | 29°20 | 27°43 | 20°19 | 29°46 | 25° 7 | 25° 7 | 18°12 | 9°33 | T 12 |
| W13 | 21 46 16 | 24°51'32 | 18°12 | 20° 0 | 10°32 | 19°53 | 20°18 | 29°21 | 27°47 | 20°21 | 29°48 | 25°R 8 | 25° 4 | 18°19 | 9°35 | W13 |
| T 14 | 21 50 12 | 25°49'43 | 1♏26 | 21°16 | 11°46 | 20°31 | 20°22 | 29°23 | 27°51 | 20°23 | 29°49 | 25° 8 | 25° 1 | 18°25 | 9°37 | T 14 |
| F 15 | 21 54 9 | 26°47'55 | 14°16 | 22°31 | 13° 0 | 21° 9 | 20°26 | 29°24 | 27°54 | 20°25 | 29°51 | 25° 7 | 24°58 | 18°32 | 9°39 | F 15 |
| S 16 | 21 58 5 | 27°46'08 | 26°46 | 23°44 | 14°14 | 21°47 | 20°30 | 29°26 | 27°58 | 20°27 | 29°53 | 25°D 7 | 24°55 | 18°39 | 9°41 | S 16 |
| S 17 | 22 2 2 | 28°44'23 | 8♐59 | 24°55 | 15°28 | 22°25 | 20°33 | 29°28 | 28° 2 | 20°29 | 29°54 | 25° 7 | 24°52 | 18°45 | 9°43 | S 17 |
| M18 | 22 5 58 | 29°42'40 | 21° 0 | 26° 4 | 16°42 | 23° 2 | 20°37 | 29°30 | 28° 6 | 20°31 | 29°56 | 25° 8 | 24°48 | 18°52 | 9°45 | M18 |
| T 19 | 22 9 55 | 0♍40'58 | 2♑53 | 27°11 | 17°57 | 23°40 | 20°40 | 29°32 | 28° 9 | 20°33 | 29°57 | 25° 8 | 24°45 | 18°59 | 9°47 | T 19 |
| W20 | 22 13 52 | 1°39'18 | 14°43 | 28°16 | 19°11 | 24°18 | 20°43 | 29°34 | 28°13 | 20°35 | 29°59 | 25° 9 | 24°42 | 19° 5 | 9°48 | W20 |
| T 21 | 22 17 48 | 2°37'40 | 26°33 | 29°18 | 20°25 | 24°55 | 20°46 | 29°36 | 28°17 | 20°38 | 0♌ 1 | 25°10 | 24°39 | 19°12 | 9°50 | T 21 |
| F 22 | 22 21 45 | 3°36'03 | 8♒27 | 0♎19 | 21°39 | 25°33 | 20°49 | 29°38 | 28°21 | 20°40 | 0° 2 | 25°10 | 24°36 | 19°19 | 9°52 | F 22 |
| S 23 | 22 25 41 | 4°34'28 | 20°28 | 1°16 | 22°53 | 26°11 | 20°51 | 29°40 | 28°24 | 20°42 | 0° 4 | 25°R11 | 24°32 | 19°25 | 9°53 | S 23 |
| S 24 | 22 29 38 | 5°32'55 | 2♓37 | 2°11 | 24° 7 | 26°48 | 20°54 | 29°43 | 28°28 | 20°44 | 0° 5 | 25°11 | 24°29 | 19°32 | 9°55 | S 24 |
| M25 | 22 33 34 | 6°31'24 | 14°58 | 3° 3 | 25°21 | 27°26 | 20°56 | 29°45 | 28°32 | 20°46 | 0° 7 | 25°10 | 24°26 | 19°39 | 9°56 | M25 |
| T 26 | 22 37 31 | 7°29'55 | 27°30 | 3°51 | 26°36 | 28° 3 | 20°58 | 29°48 | 28°36 | 20°48 | 0° 8 | 25° 9 | 24°23 | 19°45 | 9°57 | T 26 |
| W27 | 22 41 27 | 8°28'28 | 10♈15 | 4°37 | 27°50 | 28°41 | 21° 0 | 29°50 | 28°39 | 20°51 | 0°10 | 25° 7 | 24°20 | 19°52 | 9°59 | W27 |
| T 28 | 22 45 24 | 9°27'03 | 23°14 | 5°18 | 29° 4 | 29°18 | 21° 1 | 29°53 | 28°43 | 20°53 | 0°11 | 25° 5 | 24°17 | 19°59 | 10° 0 | T 28 |
| F 29 | 22 49 20 | 10°25'40 | 6♉26 | 5°56 | 0♎18 | 29°55 | 21° 3 | 29°56 | 28°47 | 20°55 | 0°13 | 25° 3 | 24°13 | 20° 5 | 10° 1 | F 29 |
| S 30 | 22 53 17 | 11°24'20 | 19°54 | 6°29 | 1°32 | 0♌32 | 21° 4 | 29°59 | 28°50 | 20°57 | 0°14 | 25° 2 | 24°10 | 20°12 | 10° 2 | S 30 |
| S 31 | 22 57 14 | 12♍23'02 | 3♊36 | 6♎58 | 2♎46 | 1♌10 | 21♉ 5 | 0♐ 2 | 28♌54 | 20♍59 | 0♌15 | 25♌ 1 | 24♌ 7 | 20♑19 | 10♊ 3 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n56 | 5n52 | 4s38 | 11n 5 | 0n35 | 14n23 | 1n27 | 23n50 | 0n50 | 16n36 | 1s 5 | 18s27 | 1n40 | 13n15 | 0n43 | 5n18 | 1n25 | 26n54 | 6n40 | 13n12 | 13n 1 | 19s17 | 18n42 | 3s16 |
| S 2 | 16 39 | 9 55 | 5 6 | 10 24 | 0 27 | 13 58 | 1 27 | 23 47 | 0 50 | 16 37 | 1 5 | 18 28 | 1 40 | 13 13 | 0 43 | 5 17 | 1 24 | 26 53 | 6 40 | 13 12 | 13 2 | 19 17 | 18 43 | 3 16 |
| S 3 | 16 22 | 13 34 | 5 17 | 9 43 | 0 20 | 13 32 | 1 26 | 23 44 | 0 51 | 16 39 | 1 5 | 18 28 | 1 40 | 13 12 | 0 43 | 5 16 | 1 24 | 26 53 | 6 40 | 13 12 | 13 3 | 19 17 | 18 43 | 3 17 |
| M 4 | 16 5 | 16 32 | 5 10 | 9 2 | 0 12 | 13 5 | 1 26 | 23 40 | 0 52 | 16 40 | 1 5 | 18 28 | 1 40 | 13 11 | 0 43 | 5 15 | 1 24 | 26 53 | 6 41 | 13 12 | 13 5 | 19 17 | 18 43 | 3 17 |
| T 5 | 15 47 | 18 35 | 4 44 | 8 21 | 0 4 | 12 39 | 1 26 | 23 37 | 0 52 | 16 42 | 1 5 | 18 29 | 1 39 | 13 9 | 0 43 | 5 15 | 1 24 | 26 53 | 6 41 | 13 12 | 13 6 | 19 17 | 18 43 | 3 17 |
| W 6 | 15 30 | 19 26 | 3 59 | 7 40 | 0s 4 | 12 12 | 1 25 | 23 33 | 0 53 | 16 43 | 1 5 | 18 29 | 1 39 | 13 8 | 0 43 | 5 14 | 1 24 | 26 52 | 6 41 | 13 13 | 13 7 | 19 17 | 18 43 | 3 17 |
| T 7 | 15 12 | 18 58 | 2 57 | 6 59 | 0 12 | 11 44 | 1 25 | 23 29 | 0 53 | 16 45 | 1 5 | 18 29 | 1 39 | 13 7 | 0 43 | 5 13 | 1 24 | 26 52 | 6 41 | 13 13 | 13 8 | 19 16 | 18 43 | 3 18 |
| F 8 | 14 53 | 17 9 | 1 43 | 6 18 | 0 21 | 11 17 | 1 24 | 23 25 | 0 54 | 16 46 | 1 5 | 18 30 | 1 39 | 13 5 | 0 43 | 5 12 | 1 24 | 26 52 | 6 41 | 13 13 | 13 9 | 19 16 | 18 43 | 3 18 |
| S 9 | 14 35 | 14 10 | 0 22 | 5 38 | 0 29 | 10 49 | 1 24 | 23 20 | 0 54 | 16 47 | 1 5 | 18 30 | 1 39 | 13 4 | 0 43 | 5 11 | 1 24 | 26 52 | 6 41 | 13 13 | 13 10 | 19 16 | 18 43 | 3 18 |
| S 10 | 14 16 | 10 18 | 1n 0 | 4 58 | 0 38 | 10 21 | 1 23 | 23 16 | 0 55 | 16 48 | 1 6 | 18 31 | 1 38 | 13 3 | 0 43 | 5 11 | 1 24 | 26 51 | 6 41 | 13 13 | 13 11 | 19 16 | 18 43 | 3 19 |
| M11 | 13 57 | 5 53 | 2 16 | 4 18 | 0 46 | 9 52 | 1 22 | 23 11 | 0 56 | 16 49 | 1 6 | 18 31 | 1 38 | 13 2 | 0 43 | 5 10 | 1 24 | 26 51 | 6 41 | 13 13 | 13 12 | 19 16 | 18 43 | 3 19 |
| T 12 | 13 38 | 1 17 | 3 22 | 3 39 | 0 55 | 9 23 | 1 22 | 23 6 | 0 56 | 16 50 | 1 6 | 18 32 | 1 38 | 13 0 | 0 43 | 5 9 | 1 24 | 26 51 | 6 42 | 13 13 | 13 13 | 19 16 | 18 43 | 3 19 |
| W13 | 13 18 | 3s15 | 4 14 | 3 0 | 1 4 | 8 54 | 1 21 | 23 1 | 0 57 | 16 52 | 1 6 | 18 32 | 1 38 | 12 59 | 0 43 | 5 8 | 1 24 | 26 51 | 6 42 | 13 13 | 13 14 | 19 15 | 18 43 | 3 20 |
| T 14 | 12 59 | 7 29 | 4 51 | 2 22 | 1 13 | 8 25 | 1 20 | 22 56 | 0 57 | 16 53 | 1 6 | 18 33 | 1 37 | 12 58 | 0 43 | 5 7 | 1 24 | 26 50 | 6 42 | 13 13 | 13 15 | 19 15 | 18 43 | 3 20 |
| F 15 | 12 39 | 11 14 | 5 12 | 1 44 | 1 22 | 7 56 | 1 19 | 22 51 | 0 58 | 16 53 | 1 6 | 18 33 | 1 37 | 12 56 | 0 43 | 5 7 | 1 24 | 26 50 | 6 42 | 13 13 | 13 16 | 19 15 | 18 43 | 3 20 |
| S 16 | 12 19 | 14 23 | 5 18 | 1 7 | 1 30 | 7 26 | 1 18 | 22 46 | 0 58 | 16 54 | 1 6 | 18 34 | 1 37 | 12 55 | 0 43 | 5 6 | 1 24 | 26 50 | 6 42 | 13 13 | 13 17 | 19 15 | 18 43 | 3 21 |
| S 17 | 11 59 | 16 50 | 5 8 | 0 31 | 1 39 | 6 56 | 1 17 | 22 40 | 0 59 | 16 55 | 1 7 | 18 34 | 1 37 | 12 54 | 0 43 | 5 5 | 1 24 | 26 50 | 6 42 | 13 13 | 13 18 | 19 15 | 18 43 | 3 21 |
| M18 | 11 38 | 18 31 | 4 46 | 0s 5 | 1 48 | 6 26 | 1 15 | 22 34 | 0 59 | 16 56 | 1 7 | 18 35 | 1 37 | 12 52 | 0 43 | 5 4 | 1 24 | 26 50 | 6 43 | 13 13 | 13 20 | 19 14 | 18 43 | 3 21 |
| T 19 | 11 18 | 19 21 | 4 11 | 0 40 | 1 57 | 5 56 | 1 14 | 22 28 | 1 0 | 16 57 | 1 7 | 18 36 | 1 36 | 12 51 | 0 43 | 5 3 | 1 24 | 26 49 | 6 43 | 13 13 | 13 21 | 19 14 | 18 43 | 3 22 |
| W20 | 10 57 | 19 20 | 3 26 | 1 14 | 2 6 | 5 25 | 1 13 | 22 22 | 1 1 | 16 57 | 1 7 | 18 36 | 1 36 | 12 50 | 0 43 | 5 2 | 1 24 | 26 49 | 6 43 | 13 13 | 13 22 | 19 14 | 18 43 | 3 22 |
| T 21 | 10 36 | 18 28 | 2 32 | 1 47 | 2 14 | 4 55 | 1 11 | 22 16 | 1 1 | 16 58 | 1 7 | 18 37 | 1 36 | 12 49 | 0 43 | 5 1 | 1 24 | 26 49 | 6 43 | 13 12 | 13 23 | 19 14 | 18 43 | 3 23 |
| F 22 | 10 15 | 16 47 | 1 32 | 2 18 | 2 23 | 4 24 | 1 10 | 22 10 | 1 2 | 16 59 | 1 7 | 18 38 | 1 36 | 12 47 | 0 43 | 5 1 | 1 24 | 26 49 | 6 43 | 13 12 | 13 24 | 19 14 | 18 43 | 3 23 |
| S 23 | 9 53 | 14 20 | 0 26 | 2 49 | 2 31 | 3 53 | 1 8 | 22 3 | 1 2 | 16 59 | 1 7 | 18 38 | 1 35 | 12 46 | 0 43 | 5 0 | 1 24 | 26 49 | 6 43 | 13 12 | 13 25 | 19 13 | 18 42 | 3 23 |
| S 24 | 9 32 | 11 14 | 0s41 | 3 19 | 2 40 | 3 22 | 1 7 | 21 56 | 1 3 | 17 0 | 1 7 | 18 39 | 1 35 | 12 45 | 0 43 | 4 59 | 1 24 | 26 48 | 6 44 | 13 12 | 13 26 | 19 13 | 18 42 | 3 24 |
| M25 | 9 10 | 7 36 | 1 48 | 3 47 | 2 48 | 2 51 | 1 5 | 21 50 | 1 3 | 17 0 | 1 8 | 18 40 | 1 35 | 12 43 | 0 43 | 4 58 | 1 24 | 26 48 | 6 44 | 13 12 | 13 27 | 19 13 | 18 42 | 3 24 |
| T 26 | 8 48 | 3 36 | 2 50 | 4 13 | 2 55 | 2 20 | 1 4 | 21 43 | 1 4 | 17 1 | 1 8 | 18 41 | 1 35 | 12 42 | 0 43 | 4 57 | 1 24 | 26 48 | 6 44 | 13 13 | 13 28 | 19 13 | 18 42 | 3 24 |
| W27 | 8 26 | 0n39 | 3 44 | 4 38 | 3 3 | 1 49 | 1 2 | 21 36 | 1 5 | 17 1 | 1 8 | 18 41 | 1 35 | 12 41 | 0 43 | 4 56 | 1 24 | 26 48 | 6 44 | 13 13 | 13 29 | 19 12 | 18 42 | 3 25 |
| T 28 | 8 4 | 4 55 | 4 29 | 5 1 | 3 10 | 1 18 | 1 0 | 21 28 | 1 5 | 17 1 | 1 8 | 18 42 | 1 34 | 12 39 | 0 43 | 4 55 | 1 24 | 26 48 | 6 44 | 13 14 | 13 30 | 19 12 | 18 42 | 3 25 |
| F 29 | 7 42 | 9 2 | 5 0 | 5 23 | 3 17 | 0 46 | 0 58 | 21 21 | 1 6 | 17 1 | 1 8 | 18 43 | 1 34 | 12 38 | 0 43 | 4 55 | 1 24 | 26 48 | 6 44 | 13 15 | 13 31 | 19 12 | 18 41 | 3 25 |
| S 30 | 7 20 | 12 45 | 5 15 | 5 42 | 3 23 | 0 15 | 0 56 | 21 13 | 1 6 | 17 2 | 1 8 | 18 44 | 1 34 | 12 37 | 0 43 | 4 54 | 1 24 | 26 48 | 6 45 | 13 15 | 13 32 | 19 12 | 18 41 | 3 26 |
| S 31 | 6n57 | 15n52 | 5s12 | 5s58 | 3s29 | 0s17 | 0n54 | 21n 6 | 1n 7 | 17n 2 | 1s 8 | 18s45 | 1n34 | 12n36 | 0n43 | 4n53 | 1n24 | 26n47 | 6n45 | 13n15 | 13n33 | 19s11 | 18n41 | 3s26 |

Julian Day Number = 2070449.5, Delta T = 28m14s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°11'56, Lahiri = 9°18'56 Julian Calendar 1 Aug. 956 == Greg. Calendar 6 Aug. 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## SEPTEMBER 956 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 1 10 | 13♍21'46 | 17♊32 | 7♎22 | 4♎ 0 | 1♌47 | 21♉ 5 | 0♐ 5 | 28♌58 | 21♍ 2 | 0♌17 | 25°D 1 | 24♌ 4 | 20♑25 | 10♊ 4 | M 1 |
| T 2 | 23 5 7 | 14°20'32 | 1♋42 | 7°40 | 5°14 | 2°24 | 21° 6 | 0° 8 | 29° 2 | 21° 4 | 0°18 | 25♌ 1 | 24° 1 | 20°32 | 10° 4 | T 2 |
| W 3 | 23 9 3 | 15°19'21 | 16° 4 | 7°53 | 6°28 | 3° 1 | 21° 6 | 0°12 | 29° 5 | 21° 6 | 0°20 | 25° 2 | 23°58 | 20°39 | 10° 5 | W 3 |
| T 4 | 23 13 0 | 16°18'13 | 0♌35 | 7°59 | 7°43 | 3°38 | 21°R 7 | 0°15 | 29° 9 | 21° 8 | 0°21 | 25° 4 | 23°54 | 20°45 | 10° 6 | T 4 |
| F 5 | 23 16 56 | 17°17'06 | 15°11 | 7°R59 | 8°57 | 4°15 | 21° 7 | 0°19 | 29°12 | 21°11 | 0°22 | 25° 5 | 23°51 | 20°52 | 10° 6 | F 5 |
| S 6 | 23 20 53 | 18°16'02 | 29°47 | 7°53 | 10°11 | 4°52 | 21° 6 | 0°22 | 29°16 | 21°13 | 0°24 | 25°R 5 | 23°48 | 20°59 | 10° 7 | S 6 |
| S 7 | 23 24 49 | 19°15'00 | 14♍17 | 7°39 | 11°25 | 5°29 | 21° 6 | 0°26 | 29°20 | 21°15 | 0°25 | 25° 4 | 23°45 | 21° 5 | 10° 7 | S 7 |
| M 8 | 23 28 46 | 20°13'59 | 28°34 | 7°17 | 12°39 | 6° 6 | 21° 5 | 0°29 | 29°23 | 21°17 | 0°26 | 25° 2 | 23°42 | 21°12 | 10° 8 | M 8 |
| T 9 | 23 32 43 | 21°13'01 | 12♎34 | 6°48 | 13°53 | 6°43 | 21° 4 | 0°33 | 29°27 | 21°19 | 0°27 | 24°58 | 23°38 | 21°19 | 10° 8 | T 9 |
| W10 | 23 36 39 | 22°12'05 | 26°12 | 6°11 | 15° 7 | 7°20 | 21° 3 | 0°37 | 29°30 | 21°22 | 0°29 | 24°54 | 23°35 | 21°25 | 10° 8 | W10 |
| T 11 | 23 40 36 | 23°11'11 | 9♏28 | 5°27 | 16°21 | 7°56 | 21° 2 | 0°41 | 29°34 | 21°24 | 0°30 | 24°50 | 23°32 | 21°32 | 10° 8 | T 11 |
| F 12 | 23 44 32 | 24°10'19 | 22°21 | 4°36 | 17°35 | 8°33 | 21° 1 | 0°45 | 29°37 | 21°26 | 0°31 | 24°46 | 23°29 | 21°39 | 10°R 8 | F 12 |
| S 13 | 23 48 29 | 25° 9'29 | 4♐53 | 3°39 | 18°49 | 9°10 | 20°59 | 0°49 | 29°41 | 21°28 | 0°32 | 24°43 | 23°26 | 21°45 | 10° 8 | S 13 |
| S 14 | 23 52 25 | 26° 8'40 | 17° 7 | 2°36 | 20° 3 | 9°46 | 20°57 | 0°53 | 29°44 | 21°31 | 0°33 | 24°41 | 23°23 | 21°52 | 10° 8 | S 14 |
| M15 | 23 56 22 | 27° 7'53 | 29° 9 | 1°29 | 21°17 | 10°23 | 20°55 | 0°58 | 29°48 | 21°33 | 0°34 | 24°D41 | 23°19 | 21°59 | 10° 8 | M15 |
| T 16 | 0 0 18 | 28° 7'09 | 11♑ 2 | 0°19 | 22°31 | 10°59 | 20°53 | 1° 2 | 29°51 | 21°35 | 0°36 | 24°41 | 23°16 | 22° 5 | 10° 8 | T 16 |
| W17 | 0 4 15 | 29° 6'26 | 22°51 | 29♍ 8 | 23°45 | 11°36 | 20°50 | 1° 6 | 29°55 | 21°37 | 0°37 | 24°43 | 23°13 | 22°12 | 10° 7 | W17 |
| T 18 | 0 8 12 | 0♎ 5'45 | 4♒42 | 27°58 | 24°59 | 12°12 | 20°48 | 1°11 | 29°58 | 21°40 | 0°38 | 24°45 | 23°10 | 22°19 | 10° 7 | T 18 |
| F 19 | 0 12 8 | 1° 5'05 | 16°39 | 26°51 | 26°13 | 12°48 | 20°45 | 1°15 | 0♍ 2 | 21°42 | 0°39 | 24°46 | 23° 7 | 22°25 | 10° 6 | F 19 |
| S 20 | 0 16 5 | 2° 4'28 | 28°46 | 25°49 | 27°27 | 13°24 | 20°42 | 1°20 | 0° 5 | 21°44 | 0°40 | 24°R46 | 23° 3 | 22°32 | 10° 6 | S 20 |
| S 21 | 0 20 1 | 3° 3'52 | 11♓ 7 | 24°54 | 28°41 | 14° 1 | 20°39 | 1°25 | 0° 8 | 21°46 | 0°41 | 24°45 | 23° 0 | 22°39 | 10° 5 | S 21 |
| M22 | 0 23 58 | 4° 3'19 | 23°42 | 24° 7 | 29°55 | 14°37 | 20°35 | 1°30 | 0°11 | 21°48 | 0°42 | 24°42 | 22°57 | 22°45 | 10° 5 | M22 |
| T 23 | 0 27 54 | 5° 2'47 | 6♈34 | 23°29 | 1♏ 9 | 15°13 | 20°32 | 1°34 | 0°15 | 21°51 | 0°43 | 24°37 | 22°54 | 22°52 | 10° 4 | T 23 |
| W24 | 0 31 51 | 6° 2'18 | 19°43 | 23° 2 | 2°23 | 15°49 | 20°28 | 1°39 | 0°18 | 21°53 | 0°44 | 24°30 | 22°51 | 22°59 | 10° 3 | W24 |
| T 25 | 0 35 47 | 7° 1'51 | 3♉ 6 | 22°45 | 3°37 | 16°25 | 20°24 | 1°44 | 0°21 | 21°55 | 0°44 | 24°23 | 22°48 | 23° 5 | 10° 2 | T 25 |
| F 26 | 0 39 44 | 8° 1'26 | 16°42 | 22°D40 | 4°51 | 17° 1 | 20°20 | 1°49 | 0°24 | 21°57 | 0°45 | 24°16 | 22°44 | 23°12 | 10° 1 | F 26 |
| S 27 | 0 43 40 | 9° 1'03 | 0♊28 | 22°46 | 6° 5 | 17°37 | 20°15 | 1°54 | 0°28 | 21°59 | 0°46 | 24° 9 | 22°41 | 23°19 | 10° 0 | S 27 |
| S 28 | 0 47 37 | 10° 0'43 | 14°23 | 23° 2 | 7°19 | 18°13 | 20°11 | 2° 0 | 0°31 | 22° 1 | 0°47 | 24° 5 | 22°38 | 23°25 | 9°59 | S 28 |
| M29 | 0 51 34 | 11° 0'25 | 28°24 | 23°29 | 8°32 | 18°48 | 20° 6 | 2° 5 | 0°34 | 22° 4 | 0°48 | 24° 2 | 22°35 | 23°32 | 9°58 | M29 |
| T 30 | 0 55 30 | 12♎ 0'09 | 12♋30 | 24♍ 5 | 9♏46 | 19♌24 | 20♉ 1 | 2♐10 | 0♍37 | 22♍ 6 | 0♌49 | 24°D 1 | 22♌32 | 23♑39 | 9♊56 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n34 | 18n 8 | 4s52 | 6s13 | 3s34 | 0s48 | 0n52 | 20n58 | 1n 7 | 17n 2 | 1s 8 | 18s45 | 1n34 | 12n34 | 0n43 | 4n52 | 1n24 | 26n47 | 6n45 | 13n15 | 13n34 | 19s11 | 18n41 | 3s26 |
| T 2 | 6 12 | 19 20 | 4 14 | 6 24 | 3 39 | 1 19 | 0 50 | 20 50 | 1 8 | 17 2 | 1 9 | 18 46 | 1 33 | 12 33 | 0 43 | 4 51 | 1 24 | 26 47 | 6 45 | 13 15 | 13 35 | 19 11 | 18 40 | 3 27 |
| W 3 | 5 49 | 19 18 | 3 19 | 6 33 | 3 42 | 1 51 | 0 48 | 20 42 | 1 8 | 17 2 | 1 9 | 18 47 | 1 33 | 12 32 | 0 43 | 4 50 | 1 24 | 26 47 | 6 45 | 13 15 | 13 37 | 19 11 | 18 40 | 3 27 |
| T 4 | 5 26 | 18 0 | 2 11 | 6 38 | 3 45 | 2 22 | 0 46 | 20 34 | 1 9 | 17 2 | 1 9 | 18 48 | 1 33 | 12 30 | 0 43 | 4 49 | 1 24 | 26 47 | 6 46 | 13 14 | 13 38 | 19 10 | 18 40 | 3 28 |
| F 5 | 5 3 | 15 30 | 0 54 | 6 40 | 3 47 | 2 53 | 0 44 | 20 26 | 1 10 | 17 2 | 1 9 | 18 49 | 1 33 | 12 29 | 0 43 | 4 48 | 1 24 | 26 47 | 6 46 | 13 14 | 13 39 | 19 10 | 18 40 | 3 28 |
| S 6 | 4 40 | 12 1 | 0n26 | 6 38 | 3 48 | 3 25 | 0 42 | 20 17 | 1 10 | 17 1 | 1 9 | 18 50 | 1 32 | 12 28 | 0 43 | 4 47 | 1 24 | 26 47 | 6 46 | 13 14 | 13 40 | 19 10 | 18 39 | 3 28 |
| S 7 | 4 17 | 7 49 | 1 44 | 6 32 | 3 47 | 3 56 | 0 39 | 20 9 | 1 11 | 17 1 | 1 9 | 18 51 | 1 32 | 12 27 | 0 43 | 4 47 | 1 24 | 26 47 | 6 46 | 13 14 | 13 41 | 19 10 | 18 39 | 3 29 |
| M 8 | 3 53 | 3 14 | 2 54 | 6 21 | 3 45 | 4 27 | 0 37 | 20 0 | 1 11 | 17 1 | 1 9 | 18 52 | 1 32 | 12 25 | 0 43 | 4 46 | 1 24 | 26 47 | 6 47 | 13 15 | 13 42 | 19 9 | 18 39 | 3 29 |
| T 9 | 3 30 | 1s26 | 3 52 | 6 6 | 3 42 | 4 58 | 0 35 | 19 51 | 1 12 | 17 1 | 1 9 | 18 53 | 1 32 | 12 24 | 0 43 | 4 45 | 1 24 | 26 47 | 6 47 | 13 16 | 13 43 | 19 9 | 18 38 | 3 29 |
| W10 | 3 7 | 5 54 | 4 35 | 5 47 | 3 37 | 5 29 | 0 32 | 19 43 | 1 12 | 17 0 | 1 9 | 18 54 | 1 32 | 12 23 | 0 43 | 4 44 | 1 24 | 26 46 | 6 47 | 13 18 | 13 44 | 19 9 | 18 38 | 3 30 |
| T 11 | 2 43 | 9 57 | 5 2 | 5 23 | 3 30 | 6 0 | 0 30 | 19 34 | 1 13 | 17 0 | 1 10 | 18 55 | 1 32 | 12 22 | 0 43 | 4 43 | 1 24 | 26 46 | 6 47 | 13 19 | 13 45 | 19 8 | 18 38 | 3 30 |
| F 12 | 2 20 | 13 25 | 5 13 | 4 55 | 3 21 | 6 31 | 0 27 | 19 24 | 1 14 | 16 59 | 1 10 | 18 56 | 1 31 | 12 21 | 0 43 | 4 42 | 1 24 | 26 46 | 6 47 | 13 20 | 13 46 | 19 8 | 18 37 | 3 30 |
| S 13 | 1 56 | 16 10 | 5 8 | 4 22 | 3 10 | 7 2 | 0 25 | 19 15 | 1 14 | 16 59 | 1 10 | 18 57 | 1 31 | 12 19 | 0 43 | 4 41 | 1 24 | 26 46 | 6 48 | 13 21 | 13 47 | 19 8 | 18 37 | 3 31 |
| S 14 | 1 32 | 18 8 | 4 50 | 3 45 | 2 58 | 7 32 | 0 22 | 19 6 | 1 15 | 16 58 | 1 10 | 18 58 | 1 31 | 12 18 | 0 43 | 4 40 | 1 24 | 26 46 | 6 48 | 13 22 | 13 48 | 19 8 | 18 37 | 3 31 |
| M15 | 1 9 | 19 16 | 4 19 | 3 5 | 2 43 | 8 2 | 0 20 | 18 57 | 1 15 | 16 58 | 1 10 | 18 59 | 1 31 | 12 17 | 0 43 | 4 40 | 1 24 | 26 46 | 6 48 | 13 22 | 13 49 | 19 7 | 18 36 | 3 32 |
| T 16 | 0 45 | 19 31 | 3 37 | 2 22 | 2 27 | 8 33 | 0 17 | 18 47 | 1 16 | 16 57 | 1 10 | 19 0 | 1 31 | 12 16 | 0 43 | 4 39 | 1 24 | 26 46 | 6 48 | 13 22 | 13 50 | 19 7 | 18 36 | 3 32 |
| W17 | 0 21 | 18 54 | 2 46 | 1 38 | 2 9 | 9 3 | 0 15 | 18 38 | 1 16 | 16 56 | 1 10 | 19 1 | 1 30 | 12 14 | 0 43 | 4 38 | 1 24 | 26 46 | 6 49 | 13 21 | 13 51 | 19 7 | 18 35 | 3 32 |
| T 18 | 0s 2 | 17 27 | 1 47 | 0 52 | 1 50 | 9 32 | 0 12 | 18 28 | 1 17 | 16 55 | 1 10 | 19 2 | 1 30 | 12 13 | 0 43 | 4 37 | 1 24 | 26 46 | 6 49 | 13 21 | 13 52 | 19 6 | 18 35 | 3 33 |
| F 19 | 0 26 | 15 14 | 0 44 | 0 7 | 1 30 | 10 2 | 0 9 | 18 18 | 1 17 | 16 54 | 1 10 | 19 3 | 1 30 | 12 12 | 0 43 | 4 36 | 1 24 | 26 46 | 6 49 | 13 20 | 13 53 | 19 6 | 18 35 | 3 33 |
| S 20 | 0 50 | 12 18 | 0s22 | 0n36 | 1 10 | 10 31 | 0 7 | 18 8 | 1 18 | 16 54 | 1 10 | 19 5 | 1 30 | 12 11 | 0 43 | 4 35 | 1 24 | 26 46 | 6 49 | 13 20 | 13 54 | 19 6 | 18 34 | 3 33 |
| S 21 | 1 14 | 8 47 | 1 28 | 1 17 | 0 49 | 11 0 | 0 4 | 17 58 | 1 19 | 16 53 | 1 11 | 19 6 | 1 30 | 12 10 | 0 43 | 4 34 | 1 24 | 26 46 | 6 49 | 13 21 | 13 55 | 19 5 | 18 34 | 3 34 |
| M22 | 1 37 | 4 49 | 2 31 | 1 54 | 0 29 | 11 29 | 0 1 | 17 48 | 1 19 | 16 52 | 1 11 | 19 7 | 1 29 | 12 9 | 0 43 | 4 34 | 1 24 | 26 46 | 6 50 | 13 22 | 13 57 | 19 5 | 18 33 | 3 34 |
| T 23 | 2 1 | 0 33 | 3 27 | 2 27 | 0 9 | 11 58 | 0s 2 | 17 38 | 1 20 | 16 51 | 1 11 | 19 8 | 1 29 | 12 8 | 0 44 | 4 33 | 1 24 | 26 46 | 6 50 | 13 23 | 13 58 | 19 5 | 18 33 | 3 34 |
| W24 | 2 25 | 3n50 | 4 14 | 2 56 | 0n 9 | 12 26 | 0 4 | 17 28 | 1 20 | 16 50 | 1 11 | 19 9 | 1 29 | 12 6 | 0 44 | 4 32 | 1 24 | 26 46 | 6 50 | 13 26 | 13 59 | 19 4 | 18 32 | 3 35 |
| T 25 | 2 48 | 8 6 | 4 48 | 3 18 | 0 27 | 12 54 | 0 7 | 17 17 | 1 21 | 16 48 | 1 11 | 19 10 | 1 29 | 12 5 | 0 44 | 4 31 | 1 24 | 26 46 | 6 50 | 13 28 | 14 0 | 19 4 | 18 32 | 3 35 |
| F 26 | 3 12 | 12 2 | 5 6 | 3 35 | 0 43 | 13 22 | 0 10 | 17 7 | 1 21 | 16 47 | 1 11 | 19 11 | 1 29 | 12 4 | 0 44 | 4 30 | 1 24 | 26 46 | 6 51 | 13 30 | 14 1 | 19 4 | 18 31 | 3 35 |
| S 27 | 3 36 | 15 22 | 5 7 | 3 47 | 0 58 | 13 49 | 0 13 | 16 56 | 1 22 | 16 46 | 1 11 | 19 13 | 1 29 | 12 3 | 0 44 | 4 29 | 1 25 | 26 46 | 6 51 | 13 33 | 14 2 | 19 3 | 18 31 | 3 36 |
| S 28 | 3 59 | 17 51 | 4 50 | 3 52 | 1 12 | 14 17 | 0 16 | 16 46 | 1 23 | 16 45 | 1 11 | 19 14 | 1 28 | 12 2 | 0 44 | 4 28 | 1 25 | 26 46 | 6 51 | 13 34 | 14 3 | 19 3 | 18 30 | 3 36 |
| M29 | 4 23 | 19 19 | 4 15 | 3 53 | 1 23 | 14 43 | 0 19 | 16 35 | 1 23 | 16 43 | 1 11 | 19 15 | 1 28 | 12 1 | 0 44 | 4 28 | 1 25 | 26 46 | 6 51 | 13 35 | 14 4 | 19 3 | 18 30 | 3 37 |
| T 30 | 4s46 | 19n35 | 3s25 | 3n47 | 1n33 | 15s10 | 0s21 | 16n25 | 1n24 | 16n42 | 1s11 | 19s16 | 1n28 | 12n 0 | 0n44 | 4n27 | 1n25 | 26n47 | 6n52 | 13n35 | 14n 5 | 19s 2 | 18n29 | 3s37 |

Julian Day Number = 2070480.5, Delta T = 28m13s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'00, Lahiri = 9°19'00 Julian Calendar 1 Sept. 956 == Greg. Calendar 6 Sept. 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## OCTOBER 956 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 59 27 | 12♎59'56 | 26♋38 | 24♍50 | 11♏ 0 | 20♌ 0 | 19°R56 | 2♐15 | 0♍40 | 22♍ 8 | 0♌49 | 24♌ 2 | 22♌29 | 23♉45 | 9°R55 | W 1 |
| T 2 | 1 3 23 | 13°59'45 | 10♌49 | 25°43 | 12°14 | 20°35 | 19♉51 | 2°21 | 0°43 | 22°10 | 0°50 | 24° 3 | 22°25 | 23°52 | 9♊54 | T 2 |
| F 3 | 1 7 20 | 14°59'36 | 24°59 | 26°43 | 13°28 | 21°11 | 19°45 | 2°26 | 0°46 | 22°12 | 0°51 | 24°R 4 | 22°22 | 23°59 | 9°52 | F 3 |
| S 4 | 1 11 16 | 15°59'30 | 9♍ 8 | 27°49 | 14°42 | 21°46 | 19°40 | 2°32 | 0°49 | 22°14 | 0°51 | 24° 2 | 22°19 | 24° 5 | 9°51 | S 4 |
| S 5 | 1 15 13 | 16°59'25 | 23°12 | 29° 1 | 15°55 | 22°22 | 19°34 | 2°37 | 0°52 | 22°16 | 0°52 | 23°59 | 22°16 | 24°12 | 9°49 | S 5 |
| M 6 | 1 19 9 | 17°59'23 | 7♎ 7 | 0♎17 | 17° 9 | 22°57 | 19°28 | 2°43 | 0°55 | 22°18 | 0°53 | 23°53 | 22°13 | 24°19 | 9°47 | M 6 |
| T 7 | 1 23 6 | 18°59'23 | 20°49 | 1°38 | 18°23 | 23°32 | 19°22 | 2°49 | 0°57 | 22°20 | 0°53 | 23°45 | 22° 9 | 24°25 | 9°46 | T 7 |
| W 8 | 1 27 3 | 19°59'25 | 4♏16 | 3° 1 | 19°37 | 24° 8 | 19°16 | 2°54 | 1° 0 | 22°22 | 0°54 | 23°35 | 22° 6 | 24°32 | 9°44 | W 8 |
| T 9 | 1 30 59 | 20°59'28 | 17°25 | 4°28 | 20°50 | 24°43 | 19°10 | 3° 0 | 1° 3 | 22°24 | 0°54 | 23°25 | 22° 3 | 24°39 | 9°42 | T 9 |
| F 10 | 1 34 56 | 21°59'34 | 0♐14 | 5°57 | 22° 4 | 25°18 | 19° 3 | 3° 6 | 1° 6 | 22°26 | 0°55 | 23°15 | 22° 0 | 24°45 | 9°40 | F 10 |
| S 11 | 1 38 52 | 22°59'41 | 12°45 | 7°28 | 23°18 | 25°53 | 18°57 | 3°12 | 1° 8 | 22°28 | 0°55 | 23° 6 | 21°57 | 24°52 | 9°38 | S 11 |
| S 12 | 1 42 49 | 23°59'50 | 24°59 | 9° 1 | 24°32 | 26°28 | 18°50 | 3°18 | 1°11 | 22°30 | 0°56 | 23° 0 | 21°54 | 24°59 | 9°36 | S 12 |
| M13 | 1 46 45 | 25° 0'01 | 7♑ 0 | 10°35 | 25°45 | 27° 3 | 18°43 | 3°24 | 1°14 | 22°32 | 0°56 | 22°56 | 21°50 | 25° 5 | 9°34 | M13 |
| T 14 | 1 50 42 | 26° 0'13 | 18°52 | 12°10 | 26°59 | 27°38 | 18°36 | 3°30 | 1°16 | 22°34 | 0°57 | 22°54 | 21°47 | 25°12 | 9°31 | T 14 |
| W15 | 1 54 38 | 27° 0'27 | 0♒41 | 13°45 | 28°13 | 28°12 | 18°29 | 3°36 | 1°19 | 22°36 | 0°57 | 22°D54 | 21°44 | 25°19 | 9°29 | W15 |
| T 16 | 1 58 35 | 28° 0'42 | 12°31 | 15°22 | 29°26 | 28°47 | 18°22 | 3°42 | 1°21 | 22°38 | 0°57 | 22°54 | 21°41 | 25°25 | 9°27 | T 16 |
| F 17 | 2 2 32 | 29° 0'59 | 24°29 | 16°58 | 0♐40 | 29°22 | 18°15 | 3°49 | 1°24 | 22°40 | 0°58 | 22°R54 | 21°38 | 25°32 | 9°24 | F 17 |
| S 18 | 2 6 28 | 0♏ 1'17 | 6♓39 | 18°36 | 1°54 | 29°56 | 18° 7 | 3°55 | 1°26 | 22°42 | 0°58 | 22°54 | 21°34 | 25°39 | 9°22 | S 18 |
| S 19 | 2 10 25 | 1° 1'37 | 19° 6 | 20°13 | 3° 7 | 0♍31 | 18° 0 | 4° 1 | 1°28 | 22°44 | 0°58 | 22°50 | 21°31 | 25°45 | 9°19 | S 19 |
| M20 | 2 14 21 | 2° 1'58 | 1♈52 | 21°50 | 4°21 | 1° 5 | 17°52 | 4° 7 | 1°31 | 22°46 | 0°58 | 22°45 | 21°28 | 25°52 | 9°17 | M20 |
| T 21 | 2 18 18 | 3° 2'21 | 15° 1 | 23°27 | 5°34 | 1°39 | 17°45 | 4°14 | 1°33 | 22°47 | 0°59 | 22°36 | 21°25 | 25°59 | 9°14 | T 21 |
| W22 | 2 22 14 | 4° 2'46 | 28°30 | 25° 4 | 6°48 | 2°14 | 17°37 | 4°20 | 1°35 | 22°49 | 0°59 | 22°26 | 21°22 | 26° 5 | 9°12 | W22 |
| T 23 | 2 26 11 | 5° 3'12 | 12♉19 | 26°42 | 8° 1 | 2°48 | 17°29 | 4°27 | 1°37 | 22°51 | 0°59 | 22°14 | 21°19 | 26°12 | 9° 9 | T 23 |
| F 24 | 2 30 7 | 6° 3'40 | 26°23 | 28°19 | 9°15 | 3°22 | 17°21 | 4°33 | 1°39 | 22°53 | 0°59 | 22° 2 | 21°15 | 26°19 | 9° 6 | F 24 |
| S 25 | 2 34 4 | 7° 4'10 | 10♊37 | 29°55 | 10°28 | 3°56 | 17°13 | 4°40 | 1°41 | 22°54 | 0°59 | 21°52 | 21°12 | 26°25 | 9° 3 | S 25 |
| S 26 | 2 38 1 | 8° 4'42 | 24°56 | 1♏32 | 11°41 | 4°30 | 17° 5 | 4°46 | 1°43 | 22°56 | 0°59 | 21°43 | 21° 9 | 26°32 | 9° 0 | S 26 |
| M27 | 2 41 57 | 9° 5'15 | 9♋15 | 3° 9 | 12°55 | 5° 4 | 16°57 | 4°53 | 1°45 | 22°58 | 0°59 | 21°38 | 21° 6 | 26°39 | 8°57 | M27 |
| T 28 | 2 45 54 | 10° 5'51 | 23°29 | 4°45 | 14° 8 | 5°37 | 16°49 | 4°59 | 1°47 | 22°59 | 0°R59 | 21°35 | 21° 3 | 26°45 | 8°55 | T 28 |
| W29 | 2 49 50 | 11° 6'28 | 7♌38 | 6°21 | 15°21 | 6°11 | 16°41 | 5° 6 | 1°49 | 23° 1 | 0°59 | 21°D34 | 21° 0 | 26°52 | 8°52 | W29 |
| T 30 | 2 53 47 | 12° 7'07 | 21°39 | 7°57 | 16°35 | 6°45 | 16°33 | 5°13 | 1°51 | 23° 3 | 0°59 | 21°R34 | 20°56 | 26°59 | 8°48 | T 30 |
| F 31 | 2 57 43 | 13♏ 7'48 | 5♍32 | 9♏32 | 17♐48 | 7♍18 | 16♉25 | 5♐19 | 1♍53 | 23♍ 4 | 0♌59 | 21♌33 | 20♌53 | 27♑ 5 | 8♊45 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s10 | 18n37 | 2s22 | 3n37 | 1n42 | 15s36 | 0s24 | 16n14 | 1n24 | 16n41 | 1s11 | 19s17 | 1n28 | 11n59 | 0n44 | 4n26 | 1n25 | 26n47 | 6n52 | 13n35 | 14n 6 | 19s 2 | 18n29 | 3s37 |
| T 2 | 5 33 | 16 29 | 1 11 | 3 23 | 1 49 | 16 1 | 0 27 | 16 3 | 1 25 | 16 39 | 1 11 | 19 19 | 1 28 | 11 58 | 0 44 | 4 25 | 1 25 | 26 47 | 6 52 | 13 35 | 14 7 | 19 1 | 18 28 | 3 38 |
| F 3 | 5 56 | 13 21 | 0n 5 | 3 4 | 1 55 | 16 27 | 0 30 | 15 52 | 1 25 | 16 38 | 1 11 | 19 20 | 1 28 | 11 57 | 0 44 | 4 24 | 1 25 | 26 47 | 6 52 | 13 35 | 14 8 | 19 1 | 18 28 | 3 38 |
| S 4 | 6 20 | 9 26 | 1 20 | 2 42 | 2 0 | 16 51 | 0 33 | 15 41 | 1 26 | 16 36 | 1 11 | 19 21 | 1 27 | 11 56 | 0 44 | 4 24 | 1 25 | 26 47 | 6 53 | 13 35 | 14 9 | 19 1 | 18 27 | 3 38 |
| S 5 | 6 43 | 5 1 | 2 30 | 2 16 | 2 3 | 17 16 | 0 36 | 15 30 | 1 27 | 16 35 | 1 11 | 19 22 | 1 27 | 11 55 | 0 44 | 4 23 | 1 25 | 26 47 | 6 53 | 13 36 | 14 10 | 19 0 | 18 27 | 3 39 |
| M 6 | 7 6 | 0 22 | 3 30 | 1 48 | 2 5 | 17 40 | 0 38 | 15 19 | 1 27 | 16 33 | 1 11 | 19 24 | 1 27 | 11 54 | 0 44 | 4 22 | 1 25 | 26 47 | 6 53 | 13 38 | 14 11 | 19 0 | 18 26 | 3 39 |
| T 7 | 7 29 | 4s13 | 4 17 | 1 17 | 2 6 | 18 3 | 0 41 | 15 8 | 1 28 | 16 31 | 1 12 | 19 25 | 1 27 | 11 53 | 0 44 | 4 21 | 1 25 | 26 47 | 6 53 | 13 41 | 14 12 | 18 59 | 18 25 | 3 39 |
| W 8 | 7 51 | 8 30 | 4 48 | 0 43 | 2 6 | 18 26 | 0 44 | 14 56 | 1 28 | 16 30 | 1 12 | 19 26 | 1 27 | 11 52 | 0 44 | 4 20 | 1 25 | 26 47 | 6 54 | 13 44 | 14 13 | 18 59 | 18 25 | 3 40 |
| T 9 | 8 14 | 12 16 | 5 3 | 0 8 | 2 5 | 18 49 | 0 47 | 14 45 | 1 29 | 16 28 | 1 12 | 19 27 | 1 27 | 11 51 | 0 44 | 4 20 | 1 25 | 26 48 | 6 54 | 13 47 | 14 14 | 18 59 | 18 24 | 3 40 |
| F 10 | 8 37 | 15 23 | 5 3 | 0s29 | 2 4 | 19 11 | 0 50 | 14 34 | 1 30 | 16 26 | 1 12 | 19 29 | 1 27 | 11 50 | 0 44 | 4 19 | 1 25 | 26 48 | 6 54 | 13 51 | 14 15 | 18 58 | 18 24 | 3 40 |
| S 11 | 8 59 | 17 42 | 4 47 | 1 7 | 2 2 | 19 33 | 0 52 | 14 22 | 1 30 | 16 24 | 1 12 | 19 30 | 1 26 | 11 49 | 0 44 | 4 18 | 1 25 | 26 48 | 6 55 | 13 53 | 14 16 | 18 58 | 18 23 | 3 41 |
| S 12 | 9 22 | 19 10 | 4 19 | 1 46 | 1 59 | 19 54 | 0 55 | 14 11 | 1 31 | 16 22 | 1 12 | 19 31 | 1 26 | 11 48 | 0 44 | 4 17 | 1 25 | 26 48 | 6 55 | 13 56 | 14 17 | 18 57 | 18 22 | 3 41 |
| M13 | 9 44 | 19 44 | 3 40 | 2 26 | 1 56 | 20 15 | 0 58 | 14 0 | 1 31 | 16 21 | 1 12 | 19 33 | 1 26 | 11 47 | 0 44 | 4 17 | 1 25 | 26 48 | 6 55 | 13 57 | 14 18 | 18 57 | 18 22 | 3 41 |
| T 14 | 10 6 | 19 24 | 2 51 | 3 7 | 1 52 | 20 35 | 1 1 | 13 48 | 1 32 | 16 19 | 1 12 | 19 34 | 1 26 | 11 46 | 0 44 | 4 16 | 1 25 | 26 48 | 6 55 | 13 58 | 14 19 | 18 57 | 18 21 | 3 41 |
| W15 | 10 28 | 18 14 | 1 56 | 3 48 | 1 48 | 20 54 | 1 3 | 13 36 | 1 32 | 16 17 | 1 12 | 19 35 | 1 26 | 11 45 | 0 44 | 4 15 | 1 25 | 26 48 | 6 56 | 13 58 | 14 20 | 18 56 | 18 20 | 3 42 |
| T 16 | 10 50 | 16 16 | 0 55 | 4 30 | 1 43 | 21 13 | 1 6 | 13 25 | 1 33 | 16 15 | 1 12 | 19 36 | 1 26 | 11 45 | 0 44 | 4 14 | 1 25 | 26 49 | 6 56 | 13 57 | 14 21 | 18 56 | 18 20 | 3 42 |
| F 17 | 11 11 | 13 34 | 0s 8 | 5 12 | 1 38 | 21 31 | 1 9 | 13 13 | 1 34 | 16 13 | 1 12 | 19 38 | 1 26 | 11 44 | 0 44 | 4 14 | 1 25 | 26 49 | 6 56 | 13 57 | 14 22 | 18 55 | 18 19 | 3 42 |
| S 18 | 11 33 | 10 15 | 1 13 | 5 54 | 1 33 | 21 49 | 1 11 | 13 2 | 1 34 | 16 11 | 1 12 | 19 39 | 1 25 | 11 43 | 0 44 | 4 13 | 1 25 | 26 49 | 6 56 | 13 58 | 14 23 | 18 55 | 18 19 | 3 43 |
| S 19 | 11 54 | 6 24 | 2 15 | 6 36 | 1 27 | 22 6 | 1 14 | 12 50 | 1 35 | 16 9 | 1 11 | 19 40 | 1 25 | 11 42 | 0 44 | 4 12 | 1 25 | 26 49 | 6 57 | 13 59 | 14 24 | 18 55 | 18 18 | 3 43 |
| M20 | 12 15 | 2 11 | 3 12 | 7 18 | 1 21 | 22 23 | 1 16 | 12 38 | 1 35 | 16 7 | 1 11 | 19 42 | 1 25 | 11 41 | 0 44 | 4 12 | 1 25 | 26 49 | 6 57 | 14 1 | 14 26 | 18 54 | 18 17 | 3 43 |
| T 21 | 12 36 | 2n16 | 4 0 | 7 59 | 1 15 | 22 39 | 1 19 | 12 26 | 1 36 | 16 4 | 1 11 | 19 43 | 1 25 | 11 40 | 0 44 | 4 11 | 1 25 | 26 50 | 6 57 | 14 3 | 14 27 | 18 54 | 18 17 | 3 44 |
| W22 | 12 56 | 6 42 | 4 36 | 8 41 | 1 9 | 22 54 | 1 21 | 12 14 | 1 37 | 16 2 | 1 11 | 19 44 | 1 25 | 11 40 | 0 44 | 4 10 | 1 25 | 26 50 | 6 57 | 14 7 | 14 28 | 18 53 | 18 16 | 3 44 |
| T 23 | 13 17 | 10 54 | 4 57 | 9 22 | 1 3 | 23 9 | 1 24 | 12 3 | 1 37 | 16 0 | 1 11 | 19 46 | 1 25 | 11 39 | 0 44 | 4 9 | 1 25 | 26 50 | 6 58 | 14 11 | 14 29 | 18 53 | 18 15 | 3 44 |
| F 24 | 13 37 | 14 35 | 5 1 | 10 3 | 0 57 | 23 23 | 1 26 | 11 51 | 1 38 | 15 58 | 1 11 | 19 47 | 1 25 | 11 38 | 0 45 | 4 9 | 1 25 | 26 50 | 6 58 | 14 14 | 14 30 | 18 52 | 18 14 | 3 44 |
| S 25 | 13 57 | 17 27 | 4 46 | 10 44 | 0 50 | 23 36 | 1 28 | 11 39 | 1 38 | 15 56 | 1 11 | 19 48 | 1 25 | 11 38 | 0 45 | 4 8 | 1 25 | 26 51 | 6 58 | 14 18 | 14 31 | 18 52 | 18 14 | 3 45 |
| S 26 | 14 17 | 19 16 | 4 13 | 11 24 | 0 43 | 23 49 | 1 31 | 11 27 | 1 39 | 15 54 | 1 11 | 19 49 | 1 24 | 11 37 | 0 45 | 4 8 | 1 25 | 26 51 | 6 58 | 14 21 | 14 32 | 18 51 | 18 13 | 3 45 |
| M27 | 14 36 | 19 51 | 3 24 | 12 3 | 0 37 | 24 1 | 1 33 | 11 15 | 1 40 | 15 51 | 1 11 | 19 51 | 1 24 | 11 36 | 0 45 | 4 7 | 1 25 | 26 51 | 6 59 | 14 22 | 14 33 | 18 51 | 18 12 | 3 45 |
| T 28 | 14 56 | 19 10 | 2 23 | 12 42 | 0 30 | 24 12 | 1 35 | 11 3 | 1 40 | 15 49 | 1 11 | 19 52 | 1 24 | 11 35 | 0 45 | 4 6 | 1 26 | 26 51 | 6 59 | 14 23 | 14 34 | 18 50 | 18 12 | 3 45 |
| W29 | 15 15 | 17 17 | 1 13 | 13 21 | 0 23 | 24 23 | 1 37 | 10 51 | 1 41 | 15 47 | 1 11 | 19 53 | 1 24 | 11 35 | 0 45 | 4 6 | 1 26 | 26 52 | 6 59 | 14 24 | 14 35 | 18 50 | 18 11 | 3 46 |
| T 30 | 15 33 | 14 23 | 0n 0 | 13 58 | 0 17 | 24 32 | 1 39 | 10 39 | 1 41 | 15 45 | 1 11 | 19 55 | 1 24 | 11 34 | 0 45 | 4 5 | 1 26 | 26 52 | 7 0 | 14 24 | 14 36 | 18 49 | 18 10 | 3 46 |
| F 31 | 15s52 | 10n40 | 1n13 | 14s35 | 0n10 | 24s42 | 1s41 | 10n27 | 1n42 | 15n43 | 1s11 | 19s56 | 1n24 | 11n34 | 0n45 | 4n 4 | 1n26 | 26n52 | 7n 0 | 14n24 | 14n37 | 18s49 | 18n10 | 3s46 |

Julian Day Number = 2070510.5, Delta T = 28m13s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'04, Lahiri = 9°19'04 Julian Calendar 1 Oct. 956 == Greg. Calendar 6 Oct. 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## NOVEMBER 956 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 1 40 | 14♏ 8'30 | 19♍18 | 11♏ 8 | 19♐ 1 | 7♍52 | 16°R17 | 5♐26 | 1♍55 | 23♍ 6 | 0°R59 | 21°R31 | 20♌50 | 27♑12 | 8°R42 | S 1 |
| S 2 | 3 5 36 | 15° 9'14 | 2♎56 | 12°43 | 20°14 | 8°25 | 16♉ 8 | 5°33 | 1°56 | 23° 7 | 0♌59 | 21♌26 | 20°47 | 27°19 | 8♊39 | S 2 |
| M 3 | 3 9 33 | 16°10'00 | 16°25 | 14°18 | 21°28 | 8°58 | 16° 0 | 5°40 | 1°58 | 23° 9 | 0°59 | 21°18 | 20°44 | 27°25 | 8°36 | M 3 |
| T 4 | 3 13 30 | 17°10'47 | 29°44 | 15°53 | 22°41 | 9°31 | 15°52 | 5°46 | 2° 0 | 23°10 | 0°58 | 21° 7 | 20°40 | 27°32 | 8°33 | T 4 |
| W 5 | 3 17 26 | 18°11'35 | 12♏50 | 17°28 | 23°54 | 10° 4 | 15°44 | 5°53 | 2° 1 | 23°12 | 0°58 | 20°54 | 20°37 | 27°38 | 8°29 | W 5 |
| T 6 | 3 21 23 | 19°12'26 | 25°43 | 19° 2 | 25° 7 | 10°37 | 15°36 | 6° 0 | 2° 3 | 23°13 | 0°58 | 20°40 | 20°34 | 27°45 | 8°26 | T 6 |
| F 7 | 3 25 19 | 20°13'17 | 8♐21 | 20°37 | 26°20 | 11°10 | 15°28 | 6° 7 | 2° 4 | 23°15 | 0°58 | 20°26 | 20°31 | 27°52 | 8°23 | F 7 |
| S 8 | 3 29 16 | 21°14'09 | 20°45 | 22°11 | 27°33 | 11°43 | 15°19 | 6°14 | 2° 5 | 23°16 | 0°57 | 20°13 | 20°28 | 27°58 | 8°19 | S 8 |
| S 9 | 3 33 12 | 22°15'03 | 2♑55 | 23°45 | 28°46 | 12°16 | 15°11 | 6°21 | 2° 7 | 23°18 | 0°57 | 20° 4 | 20°25 | 28° 5 | 8°16 | S 9 |
| M10 | 3 37 9 | 23°15'57 | 14°53 | 25°20 | 29°59 | 12°48 | 15° 3 | 6°28 | 2° 8 | 23°19 | 0°57 | 19°57 | 20°21 | 28°12 | 8°12 | M10 |
| T 11 | 3 41 5 | 24°16'53 | 26°44 | 26°54 | 1♑12 | 13°21 | 14°55 | 6°35 | 2° 9 | 23°20 | 0°56 | 19°53 | 20°18 | 28°18 | 8° 9 | T 11 |
| W12 | 3 45 2 | 25°17'49 | 8♒31 | 28°28 | 2°25 | 13°53 | 14°47 | 6°42 | 2°10 | 23°21 | 0°56 | 19°51 | 20°15 | 28°25 | 8° 5 | W12 |
| T 13 | 3 48 59 | 26°18'47 | 20°19 | 0♐ 2 | 3°38 | 14°25 | 14°39 | 6°49 | 2°11 | 23°23 | 0°55 | 19°50 | 20°12 | 28°32 | 8° 2 | T 13 |
| F 14 | 3 52 55 | 27°19'44 | 2♓15 | 1°36 | 4°51 | 14°57 | 14°32 | 6°56 | 2°12 | 23°24 | 0°55 | 19°50 | 20° 9 | 28°38 | 7°58 | F 14 |
| S 15 | 3 56 52 | 28°20'43 | 14°23 | 3°10 | 6° 3 | 15°29 | 14°24 | 7° 3 | 2°13 | 23°25 | 0°54 | 19°50 | 20° 6 | 28°45 | 7°55 | S 15 |
| S 16 | 4 0 48 | 29°21'42 | 26°49 | 4°44 | 7°16 | 16° 1 | 14°16 | 7°10 | 2°14 | 23°26 | 0°54 | 19°47 | 20° 2 | 28°52 | 7°51 | S 16 |
| M17 | 4 4 45 | 0♐22'43 | 9♈38 | 6°18 | 8°29 | 16°33 | 14° 9 | 7°17 | 2°15 | 23°27 | 0°53 | 19°41 | 19°59 | 28°58 | 7°48 | M17 |
| T 18 | 4 8 41 | 1°23'43 | 22°53 | 7°52 | 9°41 | 17° 4 | 14° 1 | 7°24 | 2°16 | 23°29 | 0°53 | 19°33 | 19°56 | 29° 5 | 7°44 | T 18 |
| W19 | 4 12 38 | 2°24'45 | 6♉34 | 9°26 | 10°54 | 17°36 | 13°54 | 7°31 | 2°17 | 23°30 | 0°52 | 19°23 | 19°53 | 29°12 | 7°40 | W19 |
| T 20 | 4 16 34 | 3°25'47 | 20°41 | 11° 0 | 12° 6 | 18° 7 | 13°46 | 7°38 | 2°18 | 23°31 | 0°52 | 19°11 | 19°50 | 29°18 | 7°37 | T 20 |
| F 21 | 4 20 31 | 4°26'50 | 5♊ 8 | 12°35 | 13°19 | 18°39 | 13°39 | 7°45 | 2°18 | 23°32 | 0°51 | 18°59 | 19°46 | 29°25 | 7°33 | F 21 |
| S 22 | 4 24 28 | 5°27'54 | 19°48 | 14° 9 | 14°31 | 19°10 | 13°32 | 7°52 | 2°19 | 23°33 | 0°50 | 18°49 | 19°43 | 29°32 | 7°30 | S 22 |
| S 23 | 4 28 24 | 6°28'58 | 4♋35 | 15°43 | 15°43 | 19°41 | 13°25 | 7°59 | 2°19 | 23°34 | 0°50 | 18°40 | 19°40 | 29°38 | 7°26 | S 23 |
| M24 | 4 32 21 | 7°30'04 | 19°19 | 17°17 | 16°56 | 20°12 | 13°18 | 8° 6 | 2°20 | 23°34 | 0°49 | 18°34 | 19°37 | 29°45 | 7°22 | M24 |
| T 25 | 4 36 17 | 8°31'10 | 3♌55 | 18°52 | 18° 8 | 20°42 | 13°12 | 8°13 | 2°20 | 23°35 | 0°48 | 18°31 | 19°34 | 29°52 | 7°19 | T 25 |
| W26 | 4 40 14 | 9°32'17 | 18°17 | 20°26 | 19°20 | 21°13 | 13° 5 | 8°20 | 2°21 | 23°36 | 0°47 | 18°D31 | 19°31 | 29°58 | 7°15 | W26 |
| T 27 | 4 44 10 | 10°33'25 | 2♍24 | 22° 0 | 20°32 | 21°43 | 12°59 | 8°27 | 2°21 | 23°37 | 0°47 | 18°31 | 19°27 | 0♒ 5 | 7°11 | T 27 |
| F 28 | 4 48 7 | 11°34'34 | 16°15 | 23°34 | 21°44 | 22°14 | 12°52 | 8°34 | 2°21 | 23°38 | 0°46 | 18°R31 | 19°24 | 0°12 | 7° 8 | F 28 |
| S 29 | 4 52 3 | 12°35'44 | 29°51 | 25° 8 | 22°56 | 22°44 | 12°46 | 8°41 | 2°22 | 23°39 | 0°45 | 18°30 | 19°21 | 0°18 | 7° 4 | S 29 |
| S 30 | 4 56 0 | 13♐36'54 | 13♎12 | 26♐42 | 24♑ 8 | 23♍14 | 12♉40 | 8♐49 | 2♍22 | 23♍39 | 0♌44 | 18♌26 | 19♌18 | 0♒25 | 7♊ 1 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s10 | 6n25 | 2n21 | 15s12 | 0n 3 | 24s50 | 1s43 | 10n15 | 1n43 | 15n40 | 1s11 | 19s57 | 1n24 | 11n33 | 0n45 | 4n 4 | 1n26 | 26n52 | 7n 0 | 14n25 | 14n38 | 18s48 | 18n 9 | 3s46 |
| S 2 | 16 28 | 1 53 | 3 20 | 15 48 | 0s 3 | 24 58 | 1 45 | 10 3 | 1 43 | 15 38 | 1 10 | 19 59 | 1 24 | 11 32 | 0 45 | 4 3 | 1 26 | 26 53 | 7 0 | 14 26 | 14 39 | 18 48 | 18 8 | 3 47 |
| M 3 | 16 46 | 2s41 | 4 7 | 16 23 | 0 10 | 25 5 | 1 47 | 9 51 | 1 44 | 15 36 | 1 10 | 20 0 | 1 24 | 11 32 | 0 45 | 4 3 | 1 26 | 26 53 | 7 1 | 14 29 | 14 40 | 18 47 | 18 7 | 3 47 |
| T 4 | 17 3 | 7 5 | 4 40 | 16 57 | 0 17 | 25 11 | 1 49 | 9 39 | 1 45 | 15 34 | 1 10 | 20 1 | 1 24 | 11 31 | 0 45 | 4 2 | 1 26 | 26 53 | 7 1 | 14 32 | 14 41 | 18 47 | 18 7 | 3 47 |
| W 5 | 17 21 | 11 3 | 4 57 | 17 30 | 0 23 | 25 16 | 1 51 | 9 27 | 1 45 | 15 31 | 1 10 | 20 2 | 1 23 | 11 31 | 0 45 | 4 2 | 1 26 | 26 54 | 7 1 | 14 37 | 14 42 | 18 46 | 18 6 | 3 47 |
| T 6 | 17 37 | 14 27 | 4 59 | 18 3 | 0 30 | 25 21 | 1 52 | 9 15 | 1 46 | 15 29 | 1 10 | 20 4 | 1 23 | 11 30 | 0 45 | 4 1 | 1 26 | 26 54 | 7 1 | 14 41 | 14 43 | 18 46 | 18 5 | 3 48 |
| F 7 | 17 54 | 17 7 | 4 46 | 18 35 | 0 36 | 25 25 | 1 54 | 9 3 | 1 46 | 15 27 | 1 10 | 20 5 | 1 23 | 11 30 | 0 45 | 4 1 | 1 26 | 26 54 | 7 2 | 14 46 | 14 44 | 18 45 | 18 4 | 3 48 |
| S 8 | 18 10 | 18 56 | 4 19 | 19 6 | 0 42 | 25 28 | 1 55 | 8 51 | 1 47 | 15 25 | 1 10 | 20 6 | 1 23 | 11 29 | 0 45 | 4 0 | 1 26 | 26 55 | 7 2 | 14 49 | 14 45 | 18 45 | 18 4 | 3 48 |
| S 9 | 18 26 | 19 51 | 3 41 | 19 36 | 0 48 | 25 31 | 1 57 | 8 39 | 1 48 | 15 22 | 1 10 | 20 7 | 1 23 | 11 29 | 0 45 | 4 0 | 1 26 | 26 55 | 7 2 | 14 53 | 14 46 | 18 44 | 18 3 | 3 48 |
| M10 | 18 42 | 19 51 | 2 54 | 20 5 | 0 54 | 25 33 | 1 58 | 8 27 | 1 48 | 15 20 | 1 9 | 20 9 | 1 23 | 11 29 | 0 45 | 3 59 | 1 26 | 26 55 | 7 2 | 14 55 | 14 47 | 18 44 | 18 2 | 3 48 |
| T 11 | 18 57 | 18 59 | 1 59 | 20 33 | 1 0 | 25 34 | 2 0 | 8 15 | 1 49 | 15 18 | 1 9 | 20 10 | 1 23 | 11 28 | 0 45 | 3 59 | 1 26 | 26 56 | 7 3 | 14 56 | 14 48 | 18 43 | 18 2 | 3 49 |
| W12 | 19 12 | 17 17 | 1 0 | 21 0 | 1 6 | 25 34 | 2 1 | 8 4 | 1 50 | 15 16 | 1 9 | 20 11 | 1 23 | 11 28 | 0 45 | 3 58 | 1 26 | 26 56 | 7 3 | 14 57 | 14 49 | 18 43 | 18 1 | 3 49 |
| T 13 | 19 26 | 14 50 | 0s 3 | 21 26 | 1 12 | 25 33 | 2 2 | 7 52 | 1 50 | 15 14 | 1 9 | 20 13 | 1 23 | 11 27 | 0 45 | 3 58 | 1 26 | 26 56 | 7 3 | 14 57 | 14 50 | 18 42 | 18 0 | 3 49 |
| F 14 | 19 40 | 11 45 | 1 5 | 21 51 | 1 17 | 25 32 | 2 3 | 7 40 | 1 51 | 15 12 | 1 9 | 20 14 | 1 23 | 11 27 | 0 45 | 3 57 | 1 26 | 26 57 | 7 3 | 14 57 | 14 51 | 18 42 | 17 59 | 3 49 |
| S 15 | 19 54 | 8 7 | 2 6 | 22 15 | 1 23 | 25 30 | 2 4 | 7 28 | 1 52 | 15 9 | 1 9 | 20 15 | 1 23 | 11 27 | 0 45 | 3 57 | 1 26 | 26 57 | 7 4 | 14 57 | 14 52 | 18 41 | 17 59 | 3 49 |
| S 16 | 20 8 | 4 4 | 3 3 | 22 38 | 1 28 | 25 27 | 2 5 | 7 16 | 1 52 | 15 7 | 1 8 | 20 16 | 1 22 | 11 26 | 0 45 | 3 56 | 1 26 | 26 57 | 7 4 | 14 58 | 14 53 | 18 41 | 17 58 | 3 49 |
| M17 | 20 21 | 0n18 | 3 52 | 23 0 | 1 33 | 25 23 | 2 6 | 7 4 | 1 53 | 15 5 | 1 8 | 20 17 | 1 22 | 11 26 | 0 46 | 3 56 | 1 26 | 26 58 | 7 4 | 15 0 | 14 54 | 18 40 | 17 57 | 3 50 |
| T 18 | 20 33 | 4 46 | 4 30 | 23 21 | 1 37 | 25 19 | 2 6 | 6 52 | 1 53 | 15 3 | 1 8 | 20 19 | 1 22 | 11 26 | 0 46 | 3 56 | 1 27 | 26 58 | 7 4 | 15 2 | 14 55 | 18 40 | 17 57 | 3 50 |
| W19 | 20 46 | 9 9 | 4 54 | 23 40 | 1 42 | 25 14 | 2 7 | 6 41 | 1 54 | 15 1 | 1 8 | 20 20 | 1 22 | 11 26 | 0 46 | 3 55 | 1 27 | 26 58 | 7 5 | 15 5 | 14 56 | 18 39 | 17 56 | 3 50 |
| T 20 | 20 57 | 13 11 | 5 1 | 23 58 | 1 46 | 25 8 | 2 8 | 6 29 | 1 55 | 14 59 | 1 8 | 20 21 | 1 22 | 11 26 | 0 46 | 3 55 | 1 27 | 26 59 | 7 5 | 15 9 | 14 57 | 18 38 | 17 55 | 3 50 |
| F 21 | 21 9 | 16 31 | 4 50 | 24 15 | 1 50 | 25 2 | 2 8 | 6 17 | 1 55 | 14 57 | 1 7 | 20 22 | 1 22 | 11 25 | 0 46 | 3 55 | 1 27 | 26 59 | 7 5 | 15 13 | 14 58 | 18 38 | 17 54 | 3 50 |
| S 22 | 21 20 | 18 52 | 4 19 | 24 31 | 1 54 | 24 54 | 2 9 | 6 6 | 1 56 | 14 55 | 1 7 | 20 24 | 1 22 | 11 25 | 0 46 | 3 54 | 1 27 | 27 0 | 7 5 | 15 16 | 14 59 | 18 37 | 17 54 | 3 50 |
| S 23 | 21 31 | 19 59 | 3 31 | 24 45 | 1 57 | 24 46 | 2 9 | 5 54 | 1 57 | 14 53 | 1 7 | 20 25 | 1 22 | 11 25 | 0 46 | 3 54 | 1 27 | 27 0 | 7 6 | 15 19 | 15 0 | 18 37 | 17 53 | 3 50 |
| M24 | 21 41 | 19 43 | 2 28 | 24 58 | 2 0 | 24 38 | 2 9 | 5 42 | 1 57 | 14 52 | 1 7 | 20 26 | 1 22 | 11 25 | 0 46 | 3 54 | 1 27 | 27 0 | 7 6 | 15 21 | 15 1 | 18 36 | 17 52 | 3 51 |
| T 25 | 21 51 | 18 8 | 1 17 | 25 9 | 2 3 | 24 28 | 2 9 | 5 31 | 1 58 | 14 50 | 1 6 | 20 27 | 1 22 | 11 25 | 0 46 | 3 53 | 1 27 | 27 1 | 7 6 | 15 22 | 15 2 | 18 36 | 17 52 | 3 51 |
| W26 | 22 0 | 15 25 | 0 1 | 25 19 | 2 6 | 24 18 | 2 9 | 5 19 | 1 59 | 14 48 | 1 6 | 20 28 | 1 22 | 11 25 | 0 46 | 3 53 | 1 27 | 27 1 | 7 6 | 15 22 | 15 3 | 18 35 | 17 51 | 3 51 |
| T 27 | 22 9 | 11 49 | 1n13 | 25 28 | 2 8 | 24 7 | 2 9 | 5 8 | 2 0 | 14 46 | 1 6 | 20 29 | 1 22 | 11 25 | 0 46 | 3 53 | 1 27 | 27 2 | 7 7 | 15 22 | 15 4 | 18 34 | 17 50 | 3 51 |
| F 28 | 22 18 | 7 38 | 2 22 | 25 35 | 2 10 | 23 55 | 2 9 | 4 56 | 2 0 | 14 45 | 1 6 | 20 31 | 1 22 | 11 24 | 0 46 | 3 52 | 1 27 | 27 2 | 7 7 | 15 22 | 15 5 | 18 34 | 17 50 | 3 51 |
| S 29 | 22 26 | 3 8 | 3 21 | 25 40 | 2 11 | 23 43 | 2 8 | 4 45 | 2 1 | 14 43 | 1 6 | 20 32 | 1 22 | 11 24 | 0 46 | 3 52 | 1 27 | 27 2 | 7 7 | 15 22 | 15 6 | 18 33 | 17 49 | 3 51 |
| S 30 | 22s34 | 1s25 | 4n 9 | 25s44 | 2s12 | 23s30 | 2s 8 | 4n34 | 2n 2 | 14n41 | 1s 5 | 20s33 | 1n22 | 11n24 | 0n46 | 3n52 | 1n27 | 27n 3 | 7n 7 | 15n23 | 15n 7 | 18s33 | 17n48 | 3s51 |

Julian Day Number = 2070541.5, Delta T = 28m12s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'08, Lahiri = 9°19'09 Julian Calendar 1 Nov. 956 == Greg. Calendar 6 Nov. 956


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# ASTRODIENST EPHEMERIS for the year 956
# geocentric

## DECEMBER 956 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 59 57 | 14♐38'06 | 26♎20 | 28♐16 | 25♑20 | 23♍44 | 12°R34 | 8♐56 | 2♍22 | 23♍40 | 0°R43 | 18°R19 | 19♌15 | 0♒32 | 6°R57 | M 1 |
| T 2 | 5 3 53 | 15°39'17 | 9♏17 | 29°49 | 26°31 | 24°13 | 12♉29 | 9° 3 | 2°R22 | 23°41 | 0♌42 | 18♌10 | 19°12 | 0°38 | 6♊53 | T 2 |
| W 3 | 5 7 50 | 16°40'30 | 22° 2 | 1♑22 | 27°43 | 24°43 | 12°23 | 9°10 | 2°22 | 23°41 | 0°41 | 17°59 | 19° 8 | 0°45 | 6°50 | W 3 |
| T 4 | 5 11 46 | 17°41'42 | 4♐35 | 2°54 | 28°54 | 25°12 | 12°18 | 9°17 | 2°22 | 23°42 | 0°40 | 17°47 | 19° 5 | 0°51 | 6°46 | T 4 |
| F 5 | 5 15 43 | 18°42'56 | 16°58 | 4°26 | 0♒ 6 | 25°41 | 12°12 | 9°24 | 2°22 | 23°42 | 0°39 | 17°36 | 19° 2 | 0°58 | 6°43 | F 5 |
| S 6 | 5 19 39 | 19°44'09 | 29° 9 | 5°57 | 1°17 | 26°11 | 12° 7 | 9°31 | 2°21 | 23°43 | 0°38 | 17°25 | 18°59 | 1° 5 | 6°39 | S 6 |
| S 7 | 5 23 36 | 20°45'23 | 11♑12 | 7°26 | 2°29 | 26°39 | 12° 3 | 9°38 | 2°21 | 23°43 | 0°37 | 17°17 | 18°56 | 1°11 | 6°36 | S 7 |
| M 8 | 5 27 32 | 21°46'36 | 23° 5 | 8°55 | 3°40 | 27° 8 | 11°58 | 9°45 | 2°21 | 23°44 | 0°36 | 17°11 | 18°52 | 1°18 | 6°32 | M 8 |
| T 9 | 5 31 29 | 22°47'50 | 4♒54 | 10°22 | 4°51 | 27°37 | 11°53 | 9°52 | 2°21 | 23°44 | 0°35 | 17° 8 | 18°49 | 1°25 | 6°29 | T 9 |
| W10 | 5 35 26 | 23°49'03 | 16°39 | 11°47 | 6° 2 | 28° 5 | 11°49 | 9°59 | 2°20 | 23°45 | 0°34 | 17°D 7 | 18°46 | 1°31 | 6°25 | W10 |
| T 11 | 5 39 22 | 24°50'17 | 28°27 | 13° 9 | 7°13 | 28°33 | 11°45 | 10° 6 | 2°20 | 23°45 | 0°33 | 17° 8 | 18°43 | 1°38 | 6°22 | T 11 |
| F 12 | 5 43 19 | 25°51'30 | 10♓21 | 14°29 | 8°23 | 29° 1 | 11°41 | 10°12 | 2°19 | 23°45 | 0°32 | 17° 9 | 18°40 | 1°45 | 6°18 | F 12 |
| S 13 | 5 47 15 | 26°52'42 | 22°26 | 15°46 | 9°34 | 29°29 | 11°37 | 10°19 | 2°19 | 23°45 | 0°31 | 17°R10 | 18°37 | 1°51 | 6°15 | S 13 |
| S 14 | 5 51 12 | 27°53'55 | 4♈49 | 16°59 | 10°45 | 29°56 | 11°34 | 10°26 | 2°18 | 23°46 | 0°30 | 17°10 | 18°33 | 1°58 | 6°12 | S 14 |
| M15 | 5 55 8 | 28°55'07 | 17°33 | 18° 8 | 11°55 | 0♎23 | 11°30 | 10°33 | 2°17 | 23°46 | 0°29 | 17° 8 | 18°30 | 2° 5 | 6° 9 | M15 |
| T 16 | 5 59 5 | 29°56'18 | 0♉44 | 19°11 | 13° 5 | 0°51 | 11°27 | 10°40 | 2°17 | 23°46 | 0°27 | 17° 4 | 18°27 | 2°11 | 6° 5 | T 16 |
| W17 | 6 3 1 | 0♑57'29 | 14°23 | 20° 9 | 14°15 | 1°17 | 11°24 | 10°47 | 2°16 | 23°46 | 0°26 | 16°58 | 18°24 | 2°18 | 6° 2 | W17 |
| T 18 | 6 6 58 | 1°58'40 | 28°31 | 20°59 | 15°25 | 1°44 | 11°21 | 10°53 | 2°15 | 23°46 | 0°25 | 16°51 | 18°21 | 2°25 | 5°59 | T 18 |
| F 19 | 6 10 55 | 2°59'50 | 13♊ 5 | 21°43 | 16°35 | 2°11 | 11°19 | 11° 0 | 2°14 | 23°46 | 0°24 | 16°44 | 18°18 | 2°31 | 5°56 | F 19 |
| S 20 | 6 14 51 | 4° 1'00 | 27°59 | 22°17 | 17°45 | 2°37 | 11°16 | 11° 7 | 2°13 | 23°R46 | 0°23 | 16°37 | 18°14 | 2°38 | 5°53 | S 20 |
| S 21 | 6 18 48 | 5° 2'10 | 13♋ 5 | 22°43 | 18°55 | 3° 3 | 11°14 | 11°14 | 2°12 | 23°46 | 0°21 | 16°31 | 18°11 | 2°45 | 5°50 | S 21 |
| M22 | 6 22 44 | 6° 3'19 | 28°12 | 22°58 | 20° 4 | 3°29 | 11°12 | 11°20 | 2°11 | 23°46 | 0°20 | 16°28 | 18° 8 | 2°51 | 5°47 | M22 |
| T 23 | 6 26 41 | 7° 4'28 | 13♌12 | 23°R 2 | 21°13 | 3°54 | 11°10 | 11°27 | 2°10 | 23°46 | 0°19 | 16°D27 | 18° 5 | 2°58 | 5°44 | T 23 |
| W24 | 6 30 37 | 8° 5'36 | 27°57 | 22°55 | 22°23 | 4°19 | 11° 9 | 11°34 | 2° 9 | 23°46 | 0°18 | 16°27 | 18° 2 | 3° 5 | 5°41 | W24 |
| T 25 | 6 34 34 | 9° 6'45 | 12♍21 | 22°36 | 23°31 | 4°45 | 11° 8 | 11°40 | 2° 8 | 23°46 | 0°16 | 16°29 | 17°58 | 3°11 | 5°38 | T 25 |
| F 26 | 6 38 31 | 10° 7'53 | 26°24 | 22° 5 | 24°40 | 5° 9 | 11° 6 | 11°47 | 2° 6 | 23°46 | 0°15 | 16°30 | 17°55 | 3°18 | 5°35 | F 26 |
| S 27 | 6 42 27 | 11° 9'00 | 10♎ 3 | 21°23 | 25°49 | 5°34 | 11° 5 | 11°53 | 2° 5 | 23°46 | 0°14 | 16°R31 | 17°52 | 3°24 | 5°32 | S 27 |
| S 28 | 6 46 24 | 12°10'08 | 23°21 | 20°30 | 26°57 | 5°58 | 11° 5 | 12° 0 | 2° 4 | 23°45 | 0°12 | 16°30 | 17°49 | 3°31 | 5°30 | S 28 |
| M29 | 6 50 20 | 13°11'15 | 6♏21 | 19°29 | 28° 6 | 6°22 | 11° 4 | 12° 6 | 2° 2 | 23°45 | 0°11 | 16°28 | 17°46 | 3°38 | 5°27 | M29 |
| T 30 | 6 54 17 | 14°12'21 | 19° 4 | 18°21 | 29°14 | 6°46 | 11° 4 | 12°12 | 2° 1 | 23°45 | 0°10 | 16°24 | 17°43 | 3°44 | 5°24 | T 30 |
| W31 | 6 58 13 | 15♑13'27 | 1♐33 | 17♑ 7 | 0♓22 | 7♎ 9 | 11°D 4 | 12♐19 | 1♍59 | 23♍45 | 0♌ 8 | 16♌19 | 17♌39 | 3♒51 | 5♊22 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s41 | 5s50 | 4n42 | 25s46 | 2s13 | 23s17 | 2s 8 | 4n22 | 2n 2 | 14n40 | 1s 5 | 20s34 | 1n22 | 11n24 | 0n46 | 3n52 | 1n27 | 27n 3 | 7n 8 | 15n25 | 15n 8 | 18s32 | 17n48 | 3s51 |
| T 2 | 22 48 | 9 55 | 5 0 | 25 47 | 2 13 | 23 3 | 2 7 | 4 11 | 2 3 | 14 38 | 1 5 | 20 35 | 1 22 | 11 24 | 0 46 | 3 52 | 1 27 | 27 4 | 7 8 | 15 28 | 15 9 | 18 31 | 17 47 | 3 51 |
| W 3 | 22 54 | 13 30 | 5 3 | 25 46 | 2 12 | 22 48 | 2 6 | 4 0 | 2 4 | 14 37 | 1 5 | 20 36 | 1 21 | 11 25 | 0 46 | 3 51 | 1 27 | 27 4 | 7 8 | 15 31 | 15 10 | 18 31 | 17 46 | 3 51 |
| T 4 | 23 0 | 16 24 | 4 51 | 25 44 | 2 11 | 22 32 | 2 5 | 3 49 | 2 4 | 14 35 | 1 4 | 20 37 | 1 21 | 11 25 | 0 46 | 3 51 | 1 27 | 27 5 | 7 8 | 15 35 | 15 11 | 18 30 | 17 46 | 3 51 |
| F 5 | 23 5 | 18 32 | 4 25 | 25 40 | 2 10 | 22 16 | 2 4 | 3 38 | 2 5 | 14 34 | 1 4 | 20 38 | 1 21 | 11 25 | 0 46 | 3 51 | 1 27 | 27 5 | 7 8 | 15 39 | 15 12 | 18 30 | 17 45 | 3 51 |
| S 6 | 23 10 | 19 46 | 3 48 | 25 34 | 2 8 | 21 59 | 2 3 | 3 27 | 2 6 | 14 33 | 1 4 | 20 40 | 1 21 | 11 25 | 0 46 | 3 51 | 1 28 | 27 5 | 7 9 | 15 42 | 15 13 | 18 29 | 17 44 | 3 51 |
| S 7 | 23 15 | 20 6 | 3 0 | 25 26 | 2 5 | 21 42 | 2 2 | 3 16 | 2 6 | 14 32 | 1 4 | 20 41 | 1 21 | 11 25 | 0 46 | 3 51 | 1 28 | 27 6 | 7 9 | 15 44 | 15 14 | 18 28 | 17 44 | 3 51 |
| M 8 | 23 19 | 19 31 | 2 5 | 25 17 | 2 1 | 21 24 | 2 1 | 3 5 | 2 7 | 14 30 | 1 3 | 20 42 | 1 21 | 11 25 | 0 46 | 3 51 | 1 28 | 27 6 | 7 9 | 15 46 | 15 15 | 18 28 | 17 43 | 3 52 |
| T 9 | 23 23 | 18 5 | 1 5 | 25 6 | 1 57 | 21 6 | 2 0 | 2 55 | 2 8 | 14 29 | 1 3 | 20 43 | 1 21 | 11 25 | 0 46 | 3 50 | 1 28 | 27 7 | 7 9 | 15 47 | 15 16 | 18 27 | 17 42 | 3 52 |
| W10 | 23 26 | 15 54 | 0 2 | 24 54 | 1 52 | 20 47 | 1 58 | 2 44 | 2 9 | 14 28 | 1 3 | 20 44 | 1 21 | 11 25 | 0 47 | 3 50 | 1 28 | 27 7 | 7 9 | 15 47 | 15 17 | 18 26 | 17 42 | 3 52 |
| T 11 | 23 28 | 13 2 | 1s 1 | 24 40 | 1 46 | 20 27 | 1 57 | 2 33 | 2 9 | 14 27 | 1 2 | 20 45 | 1 21 | 11 26 | 0 47 | 3 50 | 1 28 | 27 8 | 7 10 | 15 47 | 15 18 | 18 26 | 17 41 | 3 52 |
| F 12 | 23 30 | 9 37 | 2 2 | 24 25 | 1 39 | 20 7 | 1 55 | 2 23 | 2 10 | 14 26 | 1 2 | 20 46 | 1 21 | 11 26 | 0 47 | 3 50 | 1 28 | 27 8 | 7 10 | 15 47 | 15 19 | 18 25 | 17 41 | 3 52 |
| S 13 | 23 32 | 5 45 | 2 59 | 24 9 | 1 31 | 19 46 | 1 53 | 2 12 | 2 11 | 14 25 | 1 2 | 20 47 | 1 21 | 11 26 | 0 47 | 3 50 | 1 28 | 27 8 | 7 10 | 15 47 | 15 20 | 18 24 | 17 40 | 3 52 |
| S 14 | 23 33 | 1 35 | 3 49 | 23 51 | 1 22 | 19 25 | 1 51 | 2 2 | 2 12 | 14 24 | 1 2 | 20 48 | 1 21 | 11 26 | 0 47 | 3 50 | 1 28 | 27 9 | 7 10 | 15 47 | 15 21 | 18 24 | 17 40 | 3 52 |
| M15 | 23 34 | 2n47 | 4 29 | 23 32 | 1 13 | 19 4 | 1 49 | 1 52 | 2 12 | 14 24 | 1 1 | 20 49 | 1 21 | 11 27 | 0 47 | 3 50 | 1 28 | 27 9 | 7 10 | 15 47 | 15 22 | 18 23 | 17 39 | 3 52 |
| T 16 | 23 34 | 7 9 | 4 57 | 23 13 | 1 2 | 18 42 | 1 47 | 1 42 | 2 13 | 14 23 | 1 1 | 20 50 | 1 21 | 11 27 | 0 47 | 3 50 | 1 28 | 27 10 | 7 11 | 15 48 | 15 23 | 18 22 | 17 39 | 3 52 |
| W17 | 23 34 | 11 20 | 5 9 | 22 52 | 0 50 | 18 19 | 1 45 | 1 32 | 2 14 | 14 22 | 1 1 | 20 51 | 1 21 | 11 27 | 0 47 | 3 50 | 1 28 | 27 10 | 7 11 | 15 50 | 15 24 | 18 22 | 17 38 | 3 52 |
| T 18 | 23 33 | 15 1 | 5 3 | 22 32 | 0 37 | 17 56 | 1 43 | 1 22 | 2 15 | 14 22 | 1 0 | 20 52 | 1 21 | 11 28 | 0 47 | 3 50 | 1 28 | 27 11 | 7 11 | 15 52 | 15 25 | 18 21 | 17 37 | 3 52 |
| F 19 | 23 32 | 17 55 | 4 37 | 22 11 | 0 23 | 17 33 | 1 40 | 1 12 | 2 15 | 14 21 | 1 0 | 20 53 | 1 21 | 11 28 | 0 47 | 3 50 | 1 28 | 27 11 | 7 11 | 15 55 | 15 26 | 18 20 | 17 37 | 3 51 |
| S 20 | 23 31 | 19 41 | 3 53 | 21 50 | 0 7 | 17 9 | 1 38 | 1 2 | 2 16 | 14 21 | 1 0 | 20 54 | 1 21 | 11 28 | 0 47 | 3 50 | 1 28 | 27 12 | 7 11 | 15 57 | 15 27 | 18 20 | 17 36 | 3 51 |
| S 21 | 23 29 | 20 5 | 2 51 | 21 30 | 0n 9 | 16 44 | 1 35 | 0 52 | 2 17 | 14 20 | 1 0 | 20 55 | 1 21 | 11 29 | 0 47 | 3 50 | 1 28 | 27 12 | 7 11 | 15 58 | 15 28 | 18 19 | 17 36 | 3 51 |
| M22 | 23 26 | 19 2 | 1 38 | 21 11 | 0 26 | 16 20 | 1 32 | 0 43 | 2 18 | 14 20 | 0 59 | 20 56 | 1 21 | 11 29 | 0 47 | 3 50 | 1 28 | 27 12 | 7 12 | 15 59 | 15 29 | 18 18 | 17 36 | 3 51 |
| T 23 | 23 23 | 16 40 | 0 18 | 20 52 | 0 44 | 15 55 | 1 29 | 0 33 | 2 18 | 14 20 | 0 59 | 20 57 | 1 21 | 11 30 | 0 47 | 3 50 | 1 29 | 27 13 | 7 12 | 16 0 | 15 30 | 18 18 | 17 35 | 3 51 |
| W24 | 23 19 | 13 14 | 1n 2 | 20 35 | 1 3 | 15 29 | 1 26 | 0 24 | 2 19 | 14 20 | 0 59 | 20 57 | 1 21 | 11 30 | 0 47 | 3 50 | 1 29 | 27 13 | 7 12 | 16 0 | 15 31 | 18 17 | 17 35 | 3 51 |
| T 25 | 23 15 | 9 4 | 2 17 | 20 19 | 1 22 | 15 4 | 1 23 | 0 15 | 2 20 | 14 19 | 0 58 | 20 58 | 1 21 | 11 31 | 0 47 | 3 51 | 1 29 | 27 14 | 7 12 | 15 59 | 15 32 | 18 16 | 17 34 | 3 51 |
| F 26 | 23 11 | 4 30 | 3 21 | 20 6 | 1 41 | 14 37 | 1 20 | 0 5 | 2 21 | 14 19 | 0 58 | 20 59 | 1 21 | 11 31 | 0 47 | 3 51 | 1 29 | 27 14 | 7 12 | 15 59 | 15 33 | 18 16 | 17 34 | 3 51 |
| S 27 | 23 6 | 0s 9 | 4 12 | 19 54 | 1 59 | 14 11 | 1 16 | 0s 4 | 2 21 | 14 19 | 0 58 | 21 0 | 1 21 | 11 32 | 0 47 | 3 51 | 1 29 | 27 15 | 7 12 | 15 58 | 15 34 | 18 15 | 17 33 | 3 51 |
| S 28 | 23 1 | 4 40 | 4 48 | 19 44 | 2 17 | 13 44 | 1 13 | 0 13 | 2 22 | 14 19 | 0 58 | 21 1 | 1 21 | 11 32 | 0 47 | 3 51 | 1 29 | 27 15 | 7 12 | 15 59 | 15 35 | 18 14 | 17 33 | 3 51 |
| M29 | 22 55 | 8 52 | 5 8 | 19 36 | 2 34 | 13 17 | 1 9 | 0 21 | 2 23 | 14 19 | 0 57 | 21 2 | 1 21 | 11 33 | 0 47 | 3 51 | 1 29 | 27 15 | 7 13 | 15 59 | 15 36 | 18 13 | 17 33 | 3 51 |
| T 30 | 22 49 | 12 35 | 5 12 | 19 31 | 2 49 | 12 50 | 1 6 | 0 30 | 2 24 | 14 20 | 0 57 | 21 3 | 1 21 | 11 33 | 0 47 | 3 51 | 1 29 | 27 16 | 7 13 | 16 0 | 15 37 | 18 13 | 17 32 | 3 51 |
| W31 | 22s42 | 15s40 | 5n 2 | 19s27 | 3n 3 | 12s22 | 1s 2 | 0s39 | 2n25 | 14n20 | 0s57 | 21s 3 | 1n21 | 11n34 | 0n47 | 3n52 | 1n29 | 27n16 | 7n13 | 16n 2 | 15n38 | 18s12 | 17n32 | 3s51 |

Julian Day Number = 2070571.5, Delta T = 28m12s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'12, Lahiri = 9°19'13 Julian Calendar 1 Dec. 956 == Greg. Calendar 6 Dec. 956


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## JANUARY 957 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 2 10 | 16♑14'33 | 13♐50 | 15°R50 | 1♓29 | 7♎32 | 11♉ 4 | 12♐25 | 1°R58 | 23°R44 | 0°R 7 | 16°R14 | 17♌36 | 3♒58 | 5°R19 | T 1 |
| F 2 | 7 6 6 | 17°15'38 | 25°58 | 14♑33 | 2°37 | 7°55 | 11° 4 | 12°31 | 1♏56 | 23♏44 | 0♌ 6 | 16♌ 8 | 17°33 | 4° 4 | 5♊17 | F 2 |
| S 3 | 7 10 3 | 18°16'42 | 7♑57 | 13°18 | 3°44 | 8°18 | 11° 5 | 12°37 | 1°55 | 23°43 | 0° 4 | 16° 3 | 17°30 | 4°11 | 5°15 | S 3 |
| S 4 | 7 14 0 | 19°17'46 | 19°51 | 12° 7 | 4°51 | 8°40 | 11° 5 | 12°44 | 1°53 | 23°43 | 0° 3 | 16° 0 | 17°27 | 4°18 | 5°12 | S 4 |
| M 5 | 7 17 56 | 20°18'48 | 1♒40 | 11° 1 | 5°58 | 9° 2 | 11° 6 | 12°50 | 1°51 | 23°42 | 0° 1 | 15°57 | 17°24 | 4°24 | 5°10 | M 5 |
| T 6 | 7 21 53 | 21°19'50 | 13°27 | 10° 2 | 7° 5 | 9°23 | 11° 7 | 12°56 | 1°50 | 23°42 | 0° 0 | 15°D56 | 17°20 | 4°31 | 5° 8 | T 6 |
| W 7 | 7 25 49 | 22°20'50 | 25°14 | 9°11 | 8°11 | 9°44 | 11° 9 | 13° 2 | 1°48 | 23°41 | 29♋59 | 15°57 | 17°17 | 4°38 | 5° 6 | W 7 |
| T 8 | 7 29 46 | 23°21'49 | 7♓ 4 | 8°29 | 9°17 | 10° 5 | 11°10 | 13° 8 | 1°46 | 23°41 | 29°57 | 15°58 | 17°14 | 4°44 | 5° 4 | T 8 |
| F 9 | 7 33 42 | 24°22'47 | 19° 0 | 7°55 | 10°23 | 10°26 | 11°12 | 13°14 | 1°44 | 23°40 | 29°56 | 16° 0 | 17°11 | 4°51 | 5° 2 | F 9 |
| S 10 | 7 37 39 | 25°23'44 | 1♈ 7 | 7°30 | 11°29 | 10°46 | 11°14 | 13°20 | 1°42 | 23°39 | 29°54 | 16° 1 | 17° 8 | 4°58 | 5° 0 | S 10 |
| S 11 | 7 41 35 | 26°24'39 | 13°28 | 7°14 | 12°34 | 11° 6 | 11°16 | 13°25 | 1°40 | 23°39 | 29°53 | 16° 2 | 17° 4 | 5° 4 | 4°58 | S 11 |
| M12 | 7 45 32 | 27°25'33 | 26° 8 | 7° 6 | 13°39 | 11°25 | 11°18 | 13°31 | 1°38 | 23°38 | 29°52 | 16°R 3 | 17° 1 | 5°11 | 4°56 | M12 |
| T 13 | 7 49 29 | 28°26'26 | 9♉11 | 7°D 5 | 14°44 | 11°44 | 11°21 | 13°37 | 1°36 | 23°37 | 29°50 | 16° 3 | 16°58 | 5°18 | 4°54 | T 13 |
| W14 | 7 53 25 | 29°27'17 | 22°41 | 7°12 | 15°49 | 12° 3 | 11°24 | 13°42 | 1°34 | 23°36 | 29°49 | 16° 2 | 16°55 | 5°24 | 4°53 | W14 |
| T 15 | 7 57 22 | 0♒28'06 | 6♊38 | 7°26 | 16°53 | 12°21 | 11°26 | 13°48 | 1°32 | 23°35 | 29°47 | 16° 0 | 16°52 | 5°31 | 4°51 | T 15 |
| F 16 | 8 1 18 | 1°28'54 | 21° 3 | 7°47 | 17°57 | 12°39 | 11°30 | 13°54 | 1°30 | 23°35 | 29°46 | 15°58 | 16°49 | 5°37 | 4°50 | F 16 |
| S 17 | 8 5 15 | 2°29'41 | 5♋51 | 8°13 | 19° 0 | 12°56 | 11°33 | 13°59 | 1°28 | 23°34 | 29°44 | 15°56 | 16°45 | 5°44 | 4°48 | S 17 |
| S 18 | 8 9 11 | 3°30'26 | 20°57 | 8°45 | 20° 3 | 13°13 | 11°36 | 14° 4 | 1°26 | 23°33 | 29°43 | 15°55 | 16°42 | 5°51 | 4°47 | S 18 |
| M19 | 8 13 8 | 4°31'09 | 6♌12 | 9°21 | 21° 6 | 13°30 | 11°40 | 14°10 | 1°23 | 23°32 | 29°42 | 15°54 | 16°39 | 5°57 | 4°46 | M19 |
| T 20 | 8 17 4 | 5°31'52 | 21°25 | 10° 2 | 22° 8 | 13°46 | 11°44 | 14°15 | 1°21 | 23°31 | 29°40 | 15°D54 | 16°36 | 6° 4 | 4°44 | T 20 |
| W21 | 8 21 1 | 6°32'32 | 6♍28 | 10°47 | 23°11 | 14° 1 | 11°48 | 14°20 | 1°19 | 23°30 | 29°39 | 15°54 | 16°33 | 6°11 | 4°43 | W21 |
| T 22 | 8 24 58 | 7°33'12 | 21°11 | 11°36 | 24°12 | 14°17 | 11°52 | 14°25 | 1°17 | 23°29 | 29°37 | 15°55 | 16°29 | 6°17 | 4°42 | T 22 |
| F 23 | 8 28 54 | 8°33'50 | 5♎30 | 12°28 | 25°14 | 14°31 | 11°57 | 14°31 | 1°14 | 23°28 | 29°36 | 15°56 | 16°26 | 6°24 | 4°41 | F 23 |
| S 24 | 8 32 51 | 9°34'27 | 19°23 | 13°24 | 26°14 | 14°45 | 12° 1 | 14°36 | 1°12 | 23°27 | 29°35 | 15°56 | 16°23 | 6°31 | 4°40 | S 24 |
| S 25 | 8 36 47 | 10°35'03 | 2♏49 | 14°23 | 27°15 | 14°59 | 12° 6 | 14°41 | 1° 9 | 23°26 | 29°33 | 15°57 | 16°20 | 6°37 | 4°39 | S 25 |
| M26 | 8 40 44 | 11°35'37 | 15°51 | 15°24 | 28°15 | 15°12 | 12°11 | 14°45 | 1° 7 | 23°25 | 29°32 | 15°R57 | 16°17 | 6°44 | 4°39 | M26 |
| T 27 | 8 44 40 | 12°36'11 | 28°31 | 16°28 | 29°14 | 15°25 | 12°16 | 14°50 | 1° 5 | 23°24 | 29°30 | 15°57 | 16°14 | 6°51 | 4°38 | T 27 |
| W28 | 8 48 37 | 13°36'43 | 10♐53 | 17°34 | 0♈14 | 15°37 | 12°21 | 14°55 | 1° 2 | 23°22 | 29°29 | 15°56 | 16°10 | 6°57 | 4°37 | W28 |
| T 29 | 8 52 33 | 14°37'13 | 23° 2 | 18°42 | 1°12 | 15°49 | 12°27 | 15° 0 | 1° 0 | 23°21 | 29°28 | 15°56 | 16° 7 | 7° 4 | 4°37 | T 29 |
| F 30 | 8 56 30 | 15°37'42 | 5♑ 0 | 19°52 | 2°10 | 16° 0 | 12°33 | 15° 4 | 0°57 | 23°20 | 29°26 | 15°D56 | 16° 4 | 7°11 | 4°36 | F 30 |
| S 31 | 9 0 27 | 16♒38'10 | 16♑51 | 21♑ 5 | 3♈ 8 | 16♎11 | 12♉38 | 15♐ 9 | 0♏55 | 23♏19 | 29♋25 | 15♌56 | 16♌ 1 | 7♒17 | 4♊36 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s35 | 18s 0 | 4n37 | 19s25 | 3n14 | 11s54 | 0s58 | 0s47 | 2n25 | 14n20 | 0s56 | 21s 4 | 1n21 | 11n34 | 0n47 | 3n52 | 1n29 | 27n17 | 7n13 | 16n 4 | 15n39 | 18s11 | 17n31 | 3s51 |
| F 2 | 22 27 | 19 30 | 4 1 | 19 25 | 3 23 | 11 26 | 0 54 | 0 55 | 2 26 | 14 21 | 0 56 | 21 5 | 1 21 | 11 35 | 0 47 | 3 52 | 1 29 | 27 17 | 7 13 | 16 5 | 15 40 | 18 11 | 17 31 | 3 51 |
| S 3 | 22 19 | 20 6 | 3 14 | 19 26 | 3 29 | 10 58 | 0 50 | 1 4 | 2 27 | 14 21 | 0 56 | 21 6 | 1 21 | 11 35 | 0 47 | 3 52 | 1 29 | 27 18 | 7 13 | 16 7 | 15 41 | 18 10 | 17 31 | 3 50 |
| S 4 | 22 11 | 19 48 | 2 19 | 19 29 | 3 33 | 10 30 | 0 46 | 1 12 | 2 28 | 14 21 | 0 56 | 21 7 | 1 21 | 11 36 | 0 48 | 3 52 | 1 29 | 27 18 | 7 13 | 16 8 | 15 41 | 18 9 | 17 31 | 3 50 |
| M 5 | 22 2 | 18 38 | 1 18 | 19 33 | 3 34 | 10 1 | 0 41 | 1 20 | 2 28 | 14 22 | 0 55 | 21 7 | 1 21 | 11 37 | 0 48 | 3 53 | 1 29 | 27 18 | 7 13 | 16 9 | 15 42 | 18 8 | 17 30 | 3 50 |
| T 6 | 21 52 | 16 39 | 0 14 | 19 39 | 3 33 | 9 32 | 0 37 | 1 27 | 2 29 | 14 23 | 0 55 | 21 8 | 1 21 | 11 37 | 0 48 | 3 53 | 1 29 | 27 19 | 7 14 | 16 9 | 15 43 | 18 8 | 17 30 | 3 50 |
| W 7 | 21 42 | 13 59 | 0s51 | 19 45 | 3 30 | 9 3 | 0 32 | 1 35 | 2 30 | 14 23 | 0 55 | 21 9 | 1 21 | 11 38 | 0 48 | 3 53 | 1 29 | 27 19 | 7 14 | 16 9 | 15 44 | 18 7 | 17 30 | 3 50 |
| T 8 | 21 32 | 10 44 | 1 54 | 19 53 | 3 26 | 8 33 | 0 28 | 1 42 | 2 31 | 14 24 | 0 54 | 21 10 | 1 21 | 11 39 | 0 48 | 3 53 | 1 29 | 27 20 | 7 14 | 16 8 | 15 45 | 18 6 | 17 29 | 3 50 |
| F 9 | 21 22 | 7 1 | 2 53 | 20 1 | 3 20 | 8 4 | 0 23 | 1 50 | 2 32 | 14 25 | 0 54 | 21 10 | 1 21 | 11 40 | 0 48 | 3 54 | 1 29 | 27 20 | 7 14 | 16 8 | 15 46 | 18 5 | 17 29 | 3 50 |
| S 10 | 21 11 | 2 59 | 3 45 | 20 10 | 3 12 | 7 35 | 0 18 | 1 57 | 2 32 | 14 26 | 0 54 | 21 11 | 1 21 | 11 40 | 0 48 | 3 54 | 1 29 | 27 21 | 7 14 | 16 7 | 15 47 | 18 5 | 17 29 | 3 50 |
| S 11 | 20 59 | 1n15 | 4 27 | 20 19 | 3 4 | 7 5 | 0 13 | 2 4 | 2 33 | 14 27 | 0 54 | 21 12 | 1 21 | 11 41 | 0 48 | 3 54 | 1 30 | 27 21 | 7 14 | 16 7 | 15 48 | 18 4 | 17 29 | 3 50 |
| M12 | 20 47 | 5 31 | 4 58 | 20 29 | 2 54 | 6 35 | 0 8 | 2 11 | 2 34 | 14 28 | 0 53 | 21 12 | 1 21 | 11 42 | 0 48 | 3 55 | 1 30 | 27 21 | 7 14 | 16 7 | 15 49 | 18 3 | 17 29 | 3 49 |
| T 13 | 20 35 | 9 40 | 5 15 | 20 39 | 2 44 | 6 5 | 0 3 | 2 17 | 2 35 | 14 29 | 0 53 | 21 13 | 1 21 | 11 42 | 0 48 | 3 55 | 1 30 | 27 22 | 7 14 | 16 7 | 15 50 | 18 2 | 17 28 | 3 49 |
| W14 | 20 23 | 13 28 | 5 15 | 20 49 | 2 34 | 5 35 | 0n 2 | 2 24 | 2 36 | 14 30 | 0 53 | 21 14 | 1 21 | 11 43 | 0 48 | 3 55 | 1 30 | 27 22 | 7 14 | 16 7 | 15 51 | 18 2 | 17 28 | 3 49 |
| T 15 | 20 10 | 16 40 | 4 57 | 20 59 | 2 23 | 5 5 | 0 8 | 2 30 | 2 36 | 14 31 | 0 52 | 21 14 | 1 21 | 11 44 | 0 48 | 3 56 | 1 30 | 27 23 | 7 14 | 16 8 | 15 52 | 18 1 | 17 28 | 3 49 |
| F 16 | 19 56 | 18 57 | 4 20 | 21 9 | 2 12 | 4 35 | 0 13 | 2 37 | 2 37 | 14 32 | 0 52 | 21 15 | 1 21 | 11 45 | 0 48 | 3 56 | 1 30 | 27 23 | 7 14 | 16 8 | 15 53 | 18 0 | 17 28 | 3 49 |
| S 17 | 19 43 | 20 2 | 3 24 | 21 18 | 2 1 | 4 5 | 0 19 | 2 43 | 2 38 | 14 33 | 0 52 | 21 16 | 1 21 | 11 46 | 0 48 | 3 57 | 1 30 | 27 23 | 7 15 | 16 9 | 15 54 | 17 59 | 17 28 | 3 49 |
| S 18 | 19 29 | 19 43 | 2 14 | 21 27 | 1 50 | 3 35 | 0 25 | 2 48 | 2 39 | 14 35 | 0 52 | 21 16 | 1 21 | 11 46 | 0 48 | 3 57 | 1 30 | 27 24 | 7 15 | 16 9 | 15 55 | 17 58 | 17 28 | 3 49 |
| M19 | 19 14 | 17 58 | 0 54 | 21 36 | 1 39 | 3 5 | 0 30 | 2 54 | 2 40 | 14 36 | 0 51 | 21 17 | 1 21 | 11 47 | 0 48 | 3 57 | 1 30 | 27 24 | 7 15 | 16 10 | 15 56 | 17 58 | 17 28 | 3 48 |
| T 20 | 19 0 | 14 55 | 0n31 | 21 44 | 1 27 | 2 35 | 0 36 | 3 0 | 2 41 | 14 38 | 0 51 | 21 17 | 1 22 | 11 48 | 0 48 | 3 58 | 1 30 | 27 24 | 7 15 | 16 10 | 15 57 | 17 57 | 17 28 | 3 48 |
| W21 | 18 44 | 10 55 | 1 52 | 21 52 | 1 16 | 2 5 | 0 42 | 3 5 | 2 41 | 14 39 | 0 51 | 21 18 | 1 22 | 11 49 | 0 48 | 3 58 | 1 30 | 27 25 | 7 15 | 16 9 | 15 58 | 17 56 | 17 28 | 3 48 |
| T 22 | 18 29 | 6 20 | 3 4 | 21 59 | 1 5 | 1 35 | 0 48 | 3 10 | 2 42 | 14 41 | 0 51 | 21 18 | 1 22 | 11 50 | 0 48 | 3 59 | 1 30 | 27 25 | 7 15 | 16 9 | 15 59 | 17 55 | 17 28 | 3 48 |
| F 23 | 18 13 | 1 30 | 4 2 | 22 5 | 0 55 | 1 5 | 0 54 | 3 15 | 2 43 | 14 42 | 0 50 | 21 19 | 1 22 | 11 51 | 0 48 | 3 59 | 1 30 | 27 25 | 7 15 | 16 9 | 16 0 | 17 54 | 17 28 | 3 48 |
| S 24 | 17 57 | 3s14 | 4 45 | 22 10 | 0 44 | 0 35 | 1 1 | 3 20 | 2 44 | 14 44 | 0 50 | 21 19 | 1 22 | 11 51 | 0 48 | 4 0 | 1 30 | 27 26 | 7 15 | 16 9 | 16 1 | 17 54 | 17 28 | 3 48 |
| S 25 | 17 41 | 7 40 | 5 10 | 22 14 | 0 34 | 0 5 | 1 7 | 3 25 | 2 44 | 14 46 | 0 50 | 21 20 | 1 22 | 11 52 | 0 48 | 4 0 | 1 30 | 27 26 | 7 15 | 16 9 | 16 2 | 17 53 | 17 28 | 3 47 |
| M26 | 17 24 | 11 36 | 5 18 | 22 17 | 0 24 | 0n25 | 1 13 | 3 29 | 2 45 | 14 48 | 0 50 | 21 21 | 1 22 | 11 53 | 0 48 | 4 1 | 1 30 | 27 27 | 7 15 | 16 9 | 16 3 | 17 52 | 17 28 | 3 47 |
| T 27 | 17 7 | 14 53 | 5 11 | 22 19 | 0 14 | 0 55 | 1 20 | 3 33 | 2 46 | 14 49 | 0 49 | 21 21 | 1 22 | 11 54 | 0 48 | 4 1 | 1 30 | 27 27 | 7 15 | 16 9 | 16 4 | 17 51 | 17 28 | 3 47 |
| W28 | 16 50 | 17 26 | 4 49 | 22 20 | 0 4 | 1 24 | 1 26 | 3 37 | 2 47 | 14 51 | 0 49 | 21 21 | 1 22 | 11 55 | 0 48 | 4 2 | 1 30 | 27 27 | 7 15 | 16 9 | 16 5 | 17 50 | 17 28 | 3 47 |
| T 29 | 16 32 | 19 10 | 4 14 | 22 21 | 0s 5 | 1 54 | 1 33 | 3 41 | 2 48 | 14 53 | 0 49 | 21 22 | 1 22 | 11 56 | 0 48 | 4 2 | 1 30 | 27 27 | 7 15 | 16 9 | 16 6 | 17 49 | 17 28 | 3 47 |
| F 30 | 16 14 | 20 0 | 3 29 | 22 19 | 0 14 | 2 23 | 1 40 | 3 44 | 2 48 | 14 55 | 0 48 | 21 22 | 1 22 | 11 57 | 0 48 | 4 3 | 1 30 | 27 28 | 7 15 | 16 9 | 16 7 | 17 49 | 17 28 | 3 47 |
| S 31 | 15s56 | 19s56 | 2n35 | 22s17 | 0s23 | 2n53 | 1n46 | 3s48 | 2n49 | 14n57 | 0s48 | 21s23 | 1n22 | 11n58 | 0n48 | 4n 3 | 1n30 | 27n28 | 7n15 | 16n 9 | 16n 7 | 17s48 | 17n28 | 3s46 |

Julian Day Number = 2070602.5, Delta T = 28m11s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'17, Lahiri = 9°19'17 Julian Calendar 1 Jan. 957 == Greg. Calendar 6 Jan. 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## FEBRUARY 957 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 4 23 | 17♒38'36 | 28♉39 | 22♉19 | 4♈ 5 | 16♎20 | 12♉44 | 15♐13 | 0°R52 | 23°R18 | 29°R24 | 15♌56 | 15♌58 | 7♒24 | 4°R36 | S 1 |
| M 2 | 9 8 20 | 18°39'01 | 10♒26 | 23°34 | 5° 2 | 16°30 | 12°51 | 15°18 | 0♏50 | 23♏16 | 29♋22 | 15°R56 | 15°55 | 7°30 | 4♊35 | M 2 |
| T 3 | 9 12 16 | 19°39'23 | 22°14 | 24°52 | 5°58 | 16°39 | 12°57 | 15°22 | 0°47 | 23°15 | 29°21 | 15°56 | 15°51 | 7°37 | 4°35 | T 3 |
| W 4 | 9 16 13 | 20°39'44 | 4♓ 6 | 26°10 | 6°53 | 16°47 | 13° 3 | 15°26 | 0°45 | 23°14 | 29°20 | 15°56 | 15°48 | 7°44 | 4°D35 | W 4 |
| T 5 | 9 20 9 | 21°40'03 | 16° 3 | 27°31 | 7°48 | 16°54 | 13°10 | 15°30 | 0°42 | 23°12 | 29°18 | 15°55 | 15°45 | 7°50 | 4°35 | T 5 |
| F 6 | 9 24 6 | 22°40'20 | 28° 8 | 28°52 | 8°42 | 17° 1 | 13°17 | 15°35 | 0°39 | 23°11 | 29°17 | 15°55 | 15°42 | 7°57 | 4°35 | F 6 |
| S 7 | 9 28 2 | 23°40'35 | 10♈23 | 0♒15 | 9°35 | 17° 7 | 13°24 | 15°39 | 0°37 | 23°10 | 29°16 | 15°54 | 15°39 | 8° 4 | 4°35 | S 7 |
| S 8 | 9 31 59 | 24°40'49 | 22°50 | 1°40 | 10°28 | 17°13 | 13°31 | 15°42 | 0°34 | 23° 8 | 29°15 | 15°52 | 15°35 | 8°10 | 4°36 | S 8 |
| M 9 | 9 35 55 | 25°41'00 | 5♉33 | 3° 5 | 11°20 | 17°18 | 13°38 | 15°46 | 0°32 | 23° 7 | 29°13 | 15°52 | 15°32 | 8°17 | 4°36 | M 9 |
| T 10 | 9 39 52 | 26°41'08 | 18°34 | 4°32 | 12°11 | 17°22 | 13°46 | 15°50 | 0°29 | 23° 5 | 29°12 | 15°51 | 15°29 | 8°24 | 4°36 | T 10 |
| W11 | 9 43 49 | 27°41'15 | 1♊56 | 6° 0 | 13° 2 | 17°25 | 13°53 | 15°54 | 0°26 | 23° 4 | 29°11 | 15°D51 | 15°26 | 8°30 | 4°37 | W11 |
| T 12 | 9 47 45 | 28°41'20 | 15°41 | 7°29 | 13°52 | 17°28 | 14° 1 | 15°57 | 0°24 | 23° 2 | 29°10 | 15°51 | 15°23 | 8°37 | 4°37 | T 12 |
| F 13 | 9 51 42 | 29°41'22 | 29°50 | 9° 0 | 14°41 | 17°31 | 14° 9 | 16° 1 | 0°21 | 23° 1 | 29° 8 | 15°52 | 15°20 | 8°44 | 4°38 | F 13 |
| S 14 | 9 55 38 | 0♓41'23 | 14♋20 | 10°31 | 15°29 | 17°32 | 14°17 | 16° 4 | 0°19 | 22°59 | 29° 7 | 15°53 | 15°16 | 8°50 | 4°39 | S 14 |
| S 15 | 9 59 35 | 1°41'21 | 29°10 | 12° 4 | 16°16 | 17°33 | 14°25 | 16° 8 | 0°16 | 22°58 | 29° 6 | 15°54 | 15°13 | 8°57 | 4°39 | S 15 |
| M16 | 10 3 31 | 2°41'16 | 14♌12 | 13°38 | 17° 2 | 17°R33 | 14°33 | 16°11 | 0°13 | 22°56 | 29° 5 | 15°R55 | 15°10 | 9° 4 | 4°40 | M16 |
| T 17 | 10 7 28 | 3°41'10 | 29°20 | 15°13 | 17°47 | 17°32 | 14°42 | 16°14 | 0°11 | 22°55 | 29° 4 | 15°55 | 15° 7 | 9°10 | 4°41 | T 17 |
| W18 | 10 11 24 | 4°41'02 | 14♍23 | 16°49 | 18°32 | 17°31 | 14°50 | 16°17 | 0° 8 | 22°53 | 29° 3 | 15°53 | 15° 4 | 9°17 | 4°42 | W18 |
| T 19 | 10 15 21 | 5°40'51 | 29°14 | 18°27 | 19°15 | 17°28 | 14°59 | 16°20 | 0° 6 | 22°52 | 29° 2 | 15°51 | 15° 1 | 9°23 | 4°43 | T 19 |
| F 20 | 10 19 18 | 6°40'39 | 13♎44 | 20° 5 | 19°57 | 17°26 | 15° 7 | 16°23 | 0° 3 | 22°50 | 29° 1 | 15°48 | 14°57 | 9°30 | 4°45 | F 20 |
| S 21 | 10 23 14 | 7°40'25 | 27°48 | 21°45 | 20°38 | 17°22 | 15°16 | 16°26 | 0° 0 | 22°49 | 28°59 | 15°45 | 14°54 | 9°37 | 4°46 | S 21 |
| S 22 | 10 27 11 | 8°40'09 | 11♏24 | 23°26 | 21°18 | 17°17 | 15°25 | 16°28 | 29♌58 | 22°47 | 28°58 | 15°42 | 14°51 | 9°43 | 4°47 | S 22 |
| M23 | 10 31 7 | 9°39'52 | 24°34 | 25° 8 | 21°56 | 17°12 | 15°35 | 16°31 | 29°55 | 22°45 | 28°57 | 15°41 | 14°48 | 9°50 | 4°48 | M23 |
| T 24 | 10 35 4 | 10°39'32 | 7♐18 | 26°51 | 22°34 | 17° 6 | 15°44 | 16°34 | 29°53 | 22°44 | 28°56 | 15°D40 | 14°45 | 9°57 | 4°50 | T 24 |
| W25 | 10 39 0 | 11°39'11 | 19°41 | 28°36 | 23°10 | 16°59 | 15°53 | 16°36 | 29°50 | 22°42 | 28°55 | 15°40 | 14°41 | 10° 3 | 4°51 | W25 |
| T 26 | 10 42 57 | 12°38'49 | 1♑48 | 0♓22 | 23°44 | 16°52 | 16° 3 | 16°38 | 29°48 | 22°41 | 28°54 | 15°41 | 14°38 | 10°10 | 4°53 | T 26 |
| F 27 | 10 46 53 | 13°38'24 | 13°43 | 2° 9 | 24°18 | 16°43 | 16°12 | 16°41 | 29°45 | 22°39 | 28°53 | 15°43 | 14°35 | 10°17 | 4°55 | F 27 |
| S 28 | 10 50 50 | 14♓37'58 | 25♑32 | 3♓57 | 24♈50 | 16♎34 | 16♉22 | 16♐43 | 29♌43 | 22♍37 | 28♋53 | 15♌45 | 14♌32 | 10♒23 | 4♊57 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s38 | 19s 0 | 1n35 | 22s14 | 0s31 | 3n22 | 1n53 | 3s51 | 2n50 | 14n59 | 0s48 | 21s23 | 1n22 | 11n59 | 0n48 | 4n 4 | 1n31 | 27n28 | 7n15 | 16n 9 | 16n 8 | 17s47 | 17n28 | 3s46 |
| M 2 | 15 19 | 17 14 | 0 31 | 22 9 | 0 40 | 3 51 | 2 0 | 3 54 | 2 50 | 15 1 | 0 48 | 21 24 | 1 22 | 11 59 | 0 48 | 4 4 | 1 31 | 27 29 | 7 15 | 16 9 | 16 9 | 17 46 | 17 28 | 3 46 |
| T 3 | 15 0 | 14 44 | 0s35 | 22 3 | 0 47 | 4 19 | 2 7 | 3 57 | 2 51 | 15 3 | 0 47 | 21 24 | 1 22 | 12 0 | 0 48 | 4 5 | 1 31 | 27 29 | 7 15 | 16 9 | 16 10 | 17 45 | 17 28 | 3 46 |
| W 4 | 14 41 | 11 36 | 1 39 | 21 56 | 0 55 | 4 48 | 2 14 | 3 59 | 2 52 | 15 6 | 0 47 | 21 25 | 1 22 | 12 1 | 0 48 | 4 5 | 1 31 | 27 29 | 7 15 | 16 9 | 16 11 | 17 44 | 17 29 | 3 46 |
| T 5 | 14 22 | 7 59 | 2 40 | 21 47 | 1 2 | 5 16 | 2 21 | 4 1 | 2 53 | 15 8 | 0 47 | 21 25 | 1 22 | 12 2 | 0 48 | 4 6 | 1 31 | 27 30 | 7 15 | 16 9 | 16 12 | 17 43 | 17 29 | 3 45 |
| F 6 | 14 2 | 4 1 | 3 34 | 21 38 | 1 9 | 5 44 | 2 28 | 4 3 | 2 53 | 15 10 | 0 47 | 21 25 | 1 22 | 12 3 | 0 48 | 4 6 | 1 31 | 27 30 | 7 15 | 16 9 | 16 13 | 17 43 | 17 29 | 3 45 |
| S 7 | 13 42 | 0n10 | 4 19 | 21 26 | 1 16 | 6 12 | 2 36 | 4 5 | 2 54 | 15 13 | 0 46 | 21 26 | 1 22 | 12 4 | 0 48 | 4 7 | 1 31 | 27 30 | 7 15 | 16 10 | 16 14 | 17 42 | 17 29 | 3 45 |
| S 8 | 13 22 | 4 24 | 4 52 | 21 14 | 1 22 | 6 40 | 2 43 | 4 7 | 2 55 | 15 15 | 0 46 | 21 26 | 1 22 | 12 5 | 0 48 | 4 8 | 1 31 | 27 30 | 7 15 | 16 10 | 16 15 | 17 41 | 17 29 | 3 45 |
| M 9 | 13 2 | 8 32 | 5 12 | 21 0 | 1 28 | 7 7 | 2 50 | 4 8 | 2 55 | 15 17 | 0 46 | 21 26 | 1 23 | 12 6 | 0 48 | 4 8 | 1 31 | 27 31 | 7 15 | 16 10 | 16 16 | 17 40 | 17 30 | 3 45 |
| T 10 | 12 41 | 12 22 | 5 17 | 20 45 | 1 33 | 7 34 | 2 58 | 4 9 | 2 56 | 15 20 | 0 46 | 21 27 | 1 23 | 12 7 | 0 48 | 4 9 | 1 31 | 27 31 | 7 15 | 16 10 | 16 17 | 17 39 | 17 30 | 3 45 |
| W11 | 12 21 | 15 41 | 5 5 | 20 28 | 1 39 | 8 1 | 3 5 | 4 10 | 2 56 | 15 22 | 0 46 | 21 27 | 1 23 | 12 8 | 0 48 | 4 9 | 1 31 | 27 31 | 7 15 | 16 10 | 16 18 | 17 38 | 17 30 | 3 44 |
| T 12 | 12 0 | 18 14 | 4 36 | 20 10 | 1 44 | 8 27 | 3 13 | 4 10 | 2 57 | 15 25 | 0 45 | 21 27 | 1 23 | 12 9 | 0 48 | 4 10 | 1 31 | 27 31 | 7 15 | 16 10 | 16 19 | 17 37 | 17 30 | 3 44 |
| F 13 | 11 39 | 19 46 | 3 49 | 19 51 | 1 48 | 8 53 | 3 20 | 4 11 | 2 57 | 15 27 | 0 45 | 21 28 | 1 23 | 12 10 | 0 48 | 4 11 | 1 31 | 27 32 | 7 15 | 16 10 | 16 20 | 17 36 | 17 31 | 3 44 |
| S 14 | 11 17 | 20 2 | 2 46 | 19 30 | 1 52 | 9 19 | 3 28 | 4 11 | 2 58 | 15 30 | 0 45 | 21 28 | 1 23 | 12 11 | 0 48 | 4 11 | 1 31 | 27 32 | 7 15 | 16 10 | 16 21 | 17 36 | 17 31 | 3 44 |
| S 15 | 10 56 | 18 57 | 1 32 | 19 7 | 1 56 | 9 44 | 3 35 | 4 11 | 2 58 | 15 33 | 0 45 | 21 28 | 1 23 | 12 12 | 0 48 | 4 12 | 1 31 | 27 32 | 7 15 | 16 9 | 16 22 | 17 35 | 17 31 | 3 44 |
| M16 | 10 34 | 16 30 | 0 9 | 18 44 | 1 59 | 10 9 | 3 43 | 4 10 | 2 59 | 15 35 | 0 44 | 21 29 | 1 23 | 12 12 | 0 48 | 4 13 | 1 31 | 27 32 | 7 15 | 16 9 | 16 23 | 17 34 | 17 32 | 3 43 |
| T 17 | 10 13 | 12 55 | 1n14 | 18 18 | 2 2 | 10 34 | 3 51 | 4 10 | 2 59 | 15 38 | 0 44 | 21 29 | 1 23 | 12 13 | 0 48 | 4 13 | 1 31 | 27 33 | 7 15 | 16 9 | 16 24 | 17 33 | 17 32 | 3 43 |
| W18 | 9 51 | 8 30 | 2 31 | 17 52 | 2 5 | 10 58 | 3 58 | 4 9 | 3 0 | 15 41 | 0 44 | 21 29 | 1 23 | 12 14 | 0 48 | 4 14 | 1 31 | 27 33 | 7 15 | 16 10 | 16 24 | 17 32 | 17 32 | 3 43 |
| T 19 | 9 29 | 3 38 | 3 37 | 17 24 | 2 7 | 11 22 | 4 6 | 4 7 | 3 0 | 15 43 | 0 44 | 21 29 | 1 23 | 12 15 | 0 48 | 4 14 | 1 31 | 27 33 | 7 15 | 16 10 | 16 25 | 17 31 | 17 33 | 3 43 |
| F 20 | 9 7 | 1s20 | 4 28 | 16 54 | 2 9 | 11 45 | 4 14 | 4 6 | 3 0 | 15 46 | 0 43 | 21 29 | 1 23 | 12 16 | 0 48 | 4 15 | 1 31 | 27 33 | 7 15 | 16 11 | 16 26 | 17 30 | 17 33 | 3 43 |
| S 21 | 8 44 | 6 5 | 5 0 | 16 23 | 2 10 | 12 8 | 4 21 | 4 4 | 3 1 | 15 49 | 0 43 | 21 30 | 1 23 | 12 17 | 0 48 | 4 16 | 1 31 | 27 33 | 7 15 | 16 12 | 16 27 | 17 29 | 17 34 | 3 43 |
| S 22 | 8 22 | 10 21 | 5 15 | 15 51 | 2 11 | 12 30 | 4 29 | 4 2 | 3 1 | 15 52 | 0 43 | 21 30 | 1 23 | 12 18 | 0 48 | 4 16 | 1 31 | 27 33 | 7 15 | 16 13 | 16 28 | 17 28 | 17 34 | 3 42 |
| M23 | 7 59 | 13 58 | 5 12 | 15 17 | 2 11 | 12 52 | 4 37 | 4 0 | 3 1 | 15 55 | 0 43 | 21 30 | 1 23 | 12 19 | 0 48 | 4 17 | 1 31 | 27 34 | 7 15 | 16 14 | 16 29 | 17 27 | 17 34 | 3 42 |
| T 24 | 7 37 | 16 50 | 4 53 | 14 41 | 2 11 | 13 13 | 4 44 | 3 58 | 3 1 | 15 58 | 0 43 | 21 30 | 1 24 | 12 20 | 0 48 | 4 18 | 1 31 | 27 34 | 7 15 | 16 14 | 16 30 | 17 26 | 17 35 | 3 42 |
| W25 | 7 14 | 18 49 | 4 22 | 14 4 | 2 11 | 13 34 | 4 52 | 3 55 | 3 2 | 16 1 | 0 42 | 21 30 | 1 24 | 12 21 | 0 48 | 4 18 | 1 31 | 27 34 | 7 14 | 16 14 | 16 31 | 17 25 | 17 35 | 3 42 |
| T 26 | 6 51 | 19 55 | 3 39 | 13 26 | 2 10 | 13 54 | 5 0 | 3 52 | 3 2 | 16 4 | 0 42 | 21 31 | 1 24 | 12 22 | 0 48 | 4 19 | 1 31 | 27 34 | 7 14 | 16 13 | 16 32 | 17 24 | 17 36 | 3 42 |
| F 27 | 6 28 | 20 5 | 2 47 | 12 46 | 2 9 | 14 13 | 5 7 | 3 49 | 3 2 | 16 7 | 0 42 | 21 31 | 1 24 | 12 22 | 0 48 | 4 20 | 1 31 | 27 34 | 7 14 | 16 13 | 16 33 | 17 23 | 17 36 | 3 41 |
| S 28 | 6s 5 | 19s22 | 1n49 | 12s 5 | 2s 7 | 14n32 | 5n15 | 3s45 | 3n 2 | 16n10 | 0s42 | 21s31 | 1n24 | 12n23 | 0n48 | 4n20 | 1n31 | 27n34 | 7n14 | 16n12 | 16n34 | 17s23 | 17n37 | 3s41 |

Julian Day Number = 2070633.5, Delta T = 28m11s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'21, Lahiri = 9°19'21 Julian Calendar 1 Feb. 957 == Greg. Calendar 6 Feb. 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## MARCH 957 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 54 47 | 15♓37'29 | 7♒18 | 5♓47 | 25♈20 | 16°R24 | 16♉32 | 16♐45 | 29°R40 | 22°R36 | 28°R52 | 15♌46 | 14♌29 | 10♒30 | 4♊58 | S 1 |
| M 2 | 10 58 43 | 16°36'59 | 19° 5 | 7°37 | 25°49 | 16♎14 | 16°42 | 16°47 | 29♌38 | 22♍34 | 28♋51 | 15°R46 | 14°26 | 10°37 | 5° 0 | M 2 |
| T 3 | 11 2 40 | 17°36'27 | 0♓57 | 9°30 | 26°16 | 16° 2 | 16°52 | 16°49 | 29°35 | 22°32 | 28°50 | 15°45 | 14°22 | 10°43 | 5° 2 | T 3 |
| W 4 | 11 6 36 | 18°35'52 | 12°56 | 11°23 | 26°42 | 15°50 | 17° 2 | 16°50 | 29°33 | 22°31 | 28°49 | 15°42 | 14°19 | 10°50 | 5° 4 | W 4 |
| T 5 | 11 10 33 | 19°35'16 | 25° 4 | 13°18 | 27° 5 | 15°37 | 17°13 | 16°52 | 29°30 | 22°29 | 28°48 | 15°38 | 14°16 | 10°56 | 5° 6 | T 5 |
| F 6 | 11 14 29 | 20°34'37 | 7♈23 | 15°14 | 27°27 | 15°23 | 17°23 | 16°54 | 29°28 | 22°27 | 28°47 | 15°32 | 14°13 | 11° 3 | 5° 9 | F 6 |
| S 7 | 11 18 26 | 21°33'56 | 19°53 | 17°11 | 27°47 | 15° 9 | 17°34 | 16°55 | 29°25 | 22°26 | 28°47 | 15°26 | 14°10 | 11°10 | 5°11 | S 7 |
| S 8 | 11 22 22 | 22°33'13 | 2♉36 | 19° 9 | 28° 5 | 14°54 | 17°44 | 16°56 | 29°23 | 22°24 | 28°46 | 15°19 | 14° 6 | 11°16 | 5°13 | S 8 |
| M 9 | 11 26 19 | 23°32'28 | 15°31 | 21° 9 | 28°22 | 14°38 | 17°55 | 16°58 | 29°21 | 22°23 | 28°45 | 15°14 | 14° 3 | 11°23 | 5°15 | M 9 |
| T 10 | 11 30 16 | 24°31'41 | 28°41 | 23° 9 | 28°36 | 14°22 | 18° 6 | 16°59 | 29°18 | 22°21 | 28°44 | 15° 9 | 14° 0 | 11°30 | 5°18 | T 10 |
| W11 | 11 34 12 | 25°30'51 | 12♊ 6 | 25°11 | 28°48 | 14° 5 | 18°17 | 17° 0 | 29°16 | 22°19 | 28°44 | 15° 7 | 13°57 | 11°36 | 5°20 | W11 |
| T 12 | 11 38 9 | 26°29'59 | 25°46 | 27°13 | 28°57 | 13°47 | 18°28 | 17° 1 | 29°14 | 22°18 | 28°43 | 15°D 6 | 13°54 | 11°43 | 5°23 | T 12 |
| F 13 | 11 42 5 | 27°29'04 | 9♋43 | 29°17 | 29° 5 | 13°29 | 18°39 | 17° 2 | 29°12 | 22°16 | 28°43 | 15° 6 | 13°51 | 11°50 | 5°26 | F 13 |
| S 14 | 11 46 2 | 28°28'08 | 23°56 | 1♈20 | 29°10 | 13°10 | 18°50 | 17° 3 | 29°10 | 22°14 | 28°42 | 15° 7 | 13°47 | 11°56 | 5°28 | S 14 |
| S 15 | 11 49 58 | 29°27'08 | 8♌24 | 3°25 | 29°13 | 12°51 | 19° 1 | 17° 3 | 29° 7 | 22°13 | 28°41 | 15°R 8 | 13°44 | 12° 3 | 5°31 | S 15 |
| M16 | 11 53 55 | 0♈26'07 | 23° 3 | 5°29 | 29°R13 | 12°31 | 19°13 | 17° 4 | 29° 5 | 22°11 | 28°41 | 15° 8 | 13°41 | 12°10 | 5°34 | M16 |
| T 17 | 11 57 51 | 1°25'03 | 7♍50 | 7°34 | 29°12 | 12°11 | 19°24 | 17° 4 | 29° 3 | 22° 9 | 28°40 | 15° 6 | 13°38 | 12°16 | 5°37 | T 17 |
| W18 | 12 1 48 | 2°23'56 | 22°37 | 9°38 | 29° 7 | 11°50 | 19°36 | 17° 5 | 29° 1 | 22° 8 | 28°40 | 15° 2 | 13°35 | 12°23 | 5°40 | W18 |
| T 19 | 12 5 44 | 3°22'48 | 7♎17 | 11°42 | 29° 0 | 11°29 | 19°47 | 17° 5 | 28°59 | 22° 6 | 28°39 | 14°56 | 13°32 | 12°29 | 5°43 | T 19 |
| F 20 | 12 9 41 | 4°21'37 | 21°42 | 13°45 | 28°51 | 11° 8 | 19°59 | 17° 5 | 28°57 | 22° 4 | 28°39 | 14°49 | 13°28 | 12°36 | 5°46 | F 20 |
| S 21 | 12 13 38 | 5°20'25 | 5♏46 | 15°46 | 28°39 | 10°46 | 20°11 | 17° 5 | 28°55 | 22° 3 | 28°38 | 14°40 | 13°25 | 12°43 | 5°49 | S 21 |
| S 22 | 12 17 34 | 6°19'11 | 19°26 | 17°47 | 28°25 | 10°24 | 20°22 | 17°R 5 | 28°53 | 22° 1 | 28°38 | 14°32 | 13°22 | 12°49 | 5°52 | S 22 |
| M23 | 12 21 31 | 7°17'55 | 2♐39 | 19°45 | 28° 8 | 10° 2 | 20°34 | 17° 5 | 28°51 | 22° 0 | 28°38 | 14°26 | 13°19 | 12°56 | 5°56 | M23 |
| T 24 | 12 25 27 | 8°16'37 | 15°28 | 21°41 | 27°49 | 9°39 | 20°46 | 17° 5 | 28°50 | 21°58 | 28°37 | 14°21 | 13°16 | 13° 3 | 5°59 | T 24 |
| W25 | 12 29 24 | 9°15'18 | 27°55 | 23°34 | 27°27 | 9°17 | 20°58 | 17° 5 | 28°48 | 21°57 | 28°37 | 14°19 | 13°12 | 13° 9 | 6° 2 | W25 |
| T 26 | 12 33 20 | 10°13'57 | 10♑ 3 | 25°24 | 27° 3 | 8°54 | 21°10 | 17° 5 | 28°46 | 21°55 | 28°37 | 14°D18 | 13° 9 | 13°16 | 6° 6 | T 26 |
| F 27 | 12 37 17 | 11°12'34 | 21°59 | 27°12 | 26°38 | 8°32 | 21°23 | 17° 4 | 28°44 | 21°53 | 28°36 | 14°18 | 13° 6 | 13°23 | 6° 9 | F 27 |
| S 28 | 12 41 13 | 12°11'09 | 3♒48 | 28°55 | 26°10 | 8° 9 | 21°35 | 17° 3 | 28°43 | 21°52 | 28°36 | 14°19 | 13° 3 | 13°29 | 6°13 | S 28 |
| S 29 | 12 45 10 | 13° 9'43 | 15°35 | 0♉35 | 25°40 | 7°46 | 21°47 | 17° 3 | 28°41 | 21°50 | 28°36 | 14°R20 | 13° 0 | 13°36 | 6°16 | S 29 |
| M30 | 12 49 7 | 14° 8'14 | 27°25 | 2°11 | 25° 9 | 7°23 | 22° 0 | 17° 2 | 28°39 | 21°49 | 28°36 | 14°19 | 12°57 | 13°43 | 6°20 | M30 |
| T 31 | 12 53 3 | 15♈ 6'45 | 9♓22 | 3♉43 | 24♈36 | 7♎ 1 | 22♉12 | 17♐ 1 | 28♌38 | 21♍47 | 28♋36 | 14♌15 | 12♌53 | 13♒49 | 6♊24 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s42 | 17s48 | 0n46 | 11s22 | 2s 4 | 14n50 | 5n22 | 3s42 | 3n 2 | 16n13 | 0s42 | 21s31 | 1n24 | 12n24 | 0n48 | 4n21 | 1n31 | 27n35 | 7n14 | 16n12 | 16n35 | 17s22 | 17n37 | 3s41 |
| M 2 | 5 19 | 15 28 | 0s18 | 10 38 | 2 1 | 15 8 | 5 30 | 3 38 | 3 1 | 16 16 | 0 41 | 21 31 | 1 24 | 12 25 | 0 48 | 4 22 | 1 31 | 27 35 | 7 14 | 16 12 | 16 36 | 17 21 | 17 38 | 3 41 |
| T 3 | 4 55 | 12 29 | 1 22 | 9 52 | 1 58 | 15 25 | 5 37 | 3 33 | 3 1 | 16 19 | 0 41 | 21 31 | 1 24 | 12 26 | 0 48 | 4 22 | 1 31 | 27 35 | 7 14 | 16 12 | 16 37 | 17 20 | 17 38 | 3 41 |
| W 4 | 4 32 | 8 57 | 2 23 | 9 5 | 1 54 | 15 41 | 5 44 | 3 29 | 3 1 | 16 22 | 0 41 | 21 31 | 1 24 | 12 27 | 0 48 | 4 23 | 1 31 | 27 35 | 7 14 | 16 13 | 16 38 | 17 19 | 17 39 | 3 41 |
| T 5 | 4 9 | 5 0 | 3 18 | 8 17 | 1 50 | 15 56 | 5 51 | 3 24 | 3 1 | 16 25 | 0 41 | 21 31 | 1 24 | 12 28 | 0 48 | 4 24 | 1 31 | 27 35 | 7 14 | 16 14 | 16 38 | 17 18 | 17 39 | 3 40 |
| F 6 | 3 45 | 0 48 | 4 5 | 7 28 | 1 45 | 16 11 | 5 58 | 3 19 | 3 0 | 16 28 | 0 41 | 21 32 | 1 24 | 12 28 | 0 48 | 4 24 | 1 31 | 27 35 | 7 14 | 16 16 | 16 39 | 17 17 | 17 40 | 3 40 |
| S 7 | 3 22 | 3n29 | 4 41 | 6 37 | 1 39 | 16 24 | 6 5 | 3 14 | 3 0 | 16 31 | 0 40 | 21 32 | 1 24 | 12 29 | 0 48 | 4 25 | 1 31 | 27 35 | 7 14 | 16 18 | 16 40 | 17 16 | 17 40 | 3 40 |
| S 8 | 2 58 | 7 42 | 5 3 | 5 44 | 1 33 | 16 37 | 6 11 | 3 9 | 2 59 | 16 34 | 0 40 | 21 32 | 1 24 | 12 30 | 0 48 | 4 26 | 1 31 | 27 35 | 7 14 | 16 20 | 16 41 | 17 15 | 17 41 | 3 40 |
| M 9 | 2 35 | 11 37 | 5 11 | 4 51 | 1 26 | 16 49 | 6 18 | 3 3 | 2 59 | 16 37 | 0 40 | 21 32 | 1 24 | 12 31 | 0 48 | 4 26 | 1 31 | 27 35 | 7 14 | 16 22 | 16 42 | 17 14 | 17 42 | 3 40 |
| T 10 | 2 11 | 15 4 | 5 2 | 3 57 | 1 19 | 17 0 | 6 24 | 2 57 | 2 58 | 16 41 | 0 40 | 21 32 | 1 25 | 12 32 | 0 48 | 4 27 | 1 31 | 27 35 | 7 13 | 16 23 | 16 43 | 17 13 | 17 42 | 3 40 |
| W11 | 1 48 | 17 47 | 4 37 | 3 1 | 1 12 | 17 10 | 6 30 | 2 51 | 2 57 | 16 44 | 0 40 | 21 32 | 1 25 | 12 33 | 0 48 | 4 28 | 1 31 | 27 35 | 7 13 | 16 24 | 16 44 | 17 12 | 17 43 | 3 39 |
| T 12 | 1 24 | 19 34 | 3 56 | 2 5 | 1 3 | 17 19 | 6 36 | 2 45 | 2 57 | 16 47 | 0 39 | 21 32 | 1 25 | 12 33 | 0 48 | 4 28 | 1 31 | 27 35 | 7 13 | 16 24 | 16 45 | 17 11 | 17 43 | 3 39 |
| F 13 | 1 0 | 20 13 | 3 0 | 1 7 | 0 55 | 17 27 | 6 41 | 2 39 | 2 56 | 16 50 | 0 39 | 21 32 | 1 25 | 12 34 | 0 48 | 4 29 | 1 31 | 27 35 | 7 13 | 16 24 | 16 46 | 17 10 | 17 44 | 3 39 |
| S 14 | 0 37 | 19 36 | 1 53 | 0 10 | 0 45 | 17 33 | 6 46 | 2 33 | 2 55 | 16 54 | 0 39 | 21 32 | 1 25 | 12 35 | 0 48 | 4 30 | 1 31 | 27 35 | 7 13 | 16 23 | 16 47 | 17 9 | 17 45 | 3 39 |
| S 15 | 0 13 | 17 41 | 0 37 | 0n49 | 0 36 | 17 39 | 6 51 | 2 26 | 2 54 | 16 57 | 0 39 | 21 32 | 1 25 | 12 36 | 0 48 | 4 30 | 1 31 | 27 36 | 7 13 | 16 23 | 16 48 | 17 8 | 17 45 | 3 39 |
| M16 | 0n10 | 14 35 | 0n43 | 1 48 | 0 26 | 17 43 | 6 56 | 2 19 | 2 53 | 17 0 | 0 39 | 21 32 | 1 25 | 12 36 | 0 48 | 4 31 | 1 31 | 27 36 | 7 13 | 16 23 | 16 49 | 17 7 | 17 46 | 3 39 |
| T 17 | 0 34 | 10 32 | 2 0 | 2 47 | 0 15 | 17 46 | 7 0 | 2 13 | 2 52 | 17 3 | 0 39 | 21 32 | 1 25 | 12 37 | 0 48 | 4 32 | 1 31 | 27 36 | 7 13 | 16 24 | 16 50 | 17 6 | 17 47 | 3 38 |
| W18 | 0 58 | 5 50 | 3 8 | 3 46 | 0 5 | 17 48 | 7 4 | 2 6 | 2 50 | 17 7 | 0 38 | 21 32 | 1 25 | 12 38 | 0 48 | 4 32 | 1 31 | 27 36 | 7 13 | 16 25 | 16 50 | 17 5 | 17 47 | 3 38 |
| T 19 | 1 21 | 0 50 | 4 4 | 4 45 | 0n 6 | 17 49 | 7 7 | 1 59 | 2 49 | 17 10 | 0 38 | 21 32 | 1 25 | 12 38 | 0 48 | 4 33 | 1 31 | 27 36 | 7 13 | 16 27 | 16 51 | 17 4 | 17 48 | 3 38 |
| F 20 | 1 45 | 4s 8 | 4 43 | 5 43 | 0 17 | 17 48 | 7 9 | 1 51 | 2 48 | 17 13 | 0 38 | 21 32 | 1 25 | 12 39 | 0 48 | 4 34 | 1 31 | 27 36 | 7 12 | 16 29 | 16 52 | 17 3 | 17 49 | 3 38 |
| S 21 | 2 8 | 8 45 | 5 4 | 6 41 | 0 29 | 17 45 | 7 12 | 1 44 | 2 46 | 17 17 | 0 38 | 21 32 | 1 25 | 12 40 | 0 48 | 4 34 | 1 31 | 27 36 | 7 12 | 16 31 | 16 53 | 17 2 | 17 49 | 3 38 |
| S 22 | 2 31 | 12 46 | 5 6 | 7 38 | 0 40 | 17 42 | 7 13 | 1 37 | 2 45 | 17 20 | 0 38 | 21 32 | 1 25 | 12 40 | 0 48 | 4 35 | 1 31 | 27 35 | 7 12 | 16 34 | 16 54 | 17 1 | 17 50 | 3 38 |
| M23 | 2 55 | 16 2 | 4 52 | 8 34 | 0 52 | 17 36 | 7 14 | 1 30 | 2 43 | 17 23 | 0 38 | 21 31 | 1 26 | 12 41 | 0 48 | 4 35 | 1 31 | 27 35 | 7 12 | 16 36 | 16 55 | 17 0 | 17 51 | 3 38 |
| T 24 | 3 18 | 18 24 | 4 24 | 9 28 | 1 3 | 17 30 | 7 15 | 1 23 | 2 41 | 17 27 | 0 37 | 21 31 | 1 26 | 12 42 | 0 48 | 4 36 | 1 31 | 27 35 | 7 12 | 16 37 | 16 56 | 16 58 | 17 51 | 3 37 |
| W25 | 3 41 | 19 50 | 3 43 | 10 21 | 1 14 | 17 22 | 7 14 | 1 15 | 2 39 | 17 30 | 0 37 | 21 31 | 1 26 | 12 42 | 0 48 | 4 37 | 1 31 | 27 35 | 7 12 | 16 38 | 16 57 | 16 57 | 17 52 | 3 37 |
| T 26 | 4 4 | 20 18 | 2 54 | 11 12 | 1 25 | 17 12 | 7 13 | 1 8 | 2 38 | 17 33 | 0 37 | 21 31 | 1 26 | 12 43 | 0 48 | 4 37 | 1 31 | 27 35 | 7 12 | 16 38 | 16 58 | 16 56 | 17 53 | 3 37 |
| F 27 | 4 28 | 19 50 | 1 57 | 12 1 | 1 35 | 17 1 | 7 11 | 1 1 | 2 36 | 17 37 | 0 37 | 21 31 | 1 26 | 12 43 | 0 48 | 4 38 | 1 31 | 27 35 | 7 12 | 16 38 | 16 59 | 16 55 | 17 53 | 3 37 |
| S 28 | 4 51 | 18 30 | 0 56 | 12 47 | 1 45 | 16 48 | 7 9 | 0 54 | 2 34 | 17 40 | 0 37 | 21 31 | 1 26 | 12 44 | 0 48 | 4 38 | 1 31 | 27 35 | 7 12 | 16 38 | 17 0 | 16 54 | 17 54 | 3 37 |
| S 29 | 5 13 | 16 22 | 0s 7 | 13 32 | 1 55 | 16 34 | 7 6 | 0 47 | 2 32 | 17 43 | 0 37 | 21 31 | 1 26 | 12 44 | 0 48 | 4 39 | 1 31 | 27 35 | 7 11 | 16 37 | 17 0 | 16 53 | 17 55 | 3 37 |
| M30 | 5 36 | 13 32 | 1 10 | 14 14 | 2 4 | 16 18 | 7 2 | 0 40 | 2 29 | 17 47 | 0 36 | 21 31 | 1 26 | 12 45 | 0 48 | 4 40 | 1 31 | 27 35 | 7 11 | 16 38 | 17 1 | 16 52 | 17 56 | 3 37 |
| T 31 | 5n59 | 10s 6 | 2s10 | 14n54 | 2n12 | 16n 1 | 6n57 | 0s33 | 2n27 | 17n50 | 0s36 | 21s30 | 1n26 | 12n46 | 0n48 | 4n40 | 1n31 | 27n35 | 7n11 | 16n39 | 17n 2 | 16s51 | 17n56 | 3s37 |

Julian Day Number = 2070661.5, Delta T = 28m10s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'25, Lahiri = 9°19'25 Julian Calendar 1 March 957 == Greg. Calendar 6 March 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## APRIL 957 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 57 0 | 16♈ 5'13 | 21♓29 | 5♉10 | 24°R 1 | 6°R38 | 22♉24 | 17°R 0 | 28°R36 | 21°R46 | 28°R35 | 14°R10 | 12♌50 | 13♒56 | 6♊27 | W 1 |
| T 2 | 13 0 56 | 17° 3'39 | 3♈50 | 6°33 | 23♈26 | 6♎16 | 22°37 | 16♐59 | 28♌35 | 21♍44 | 28♋35 | 14♌ 2 | 12°47 | 14° 2 | 6°31 | T 2 |
| F 3 | 13 4 53 | 18° 2'04 | 16°24 | 7°52 | 22°49 | 5°54 | 22°50 | 16°58 | 28°33 | 21°43 | 28°35 | 13°52 | 12°44 | 14° 9 | 6°35 | F 3 |
| S 4 | 13 8 49 | 19° 0'27 | 29°14 | 9° 5 | 22°12 | 5°33 | 23° 2 | 16°57 | 28°32 | 21°42 | 28°35 | 13°40 | 12°41 | 14°16 | 6°39 | S 4 |
| S 5 | 13 12 46 | 19°58'47 | 12♉17 | 10°14 | 21°35 | 5°12 | 23°15 | 16°55 | 28°31 | 21°40 | 28°D35 | 13°29 | 12°38 | 14°22 | 6°43 | S 5 |
| M 6 | 13 16 42 | 20°57'06 | 25°34 | 11°17 | 20°57 | 4°51 | 23°28 | 16°54 | 28°29 | 21°39 | 28°35 | 13°19 | 12°34 | 14°29 | 6°47 | M 6 |
| T 7 | 13 20 39 | 21°55'23 | 9♊ 2 | 12°16 | 20°19 | 4°30 | 23°41 | 16°52 | 28°28 | 21°37 | 28°35 | 13°10 | 12°31 | 14°36 | 6°51 | T 7 |
| W 8 | 13 24 36 | 22°53'38 | 22°40 | 13°10 | 19°41 | 4°10 | 23°54 | 16°51 | 28°27 | 21°36 | 28°35 | 13° 4 | 12°28 | 14°42 | 6°55 | W 8 |
| T 9 | 13 28 32 | 23°51'51 | 6♋28 | 13°58 | 19° 4 | 3°51 | 24° 7 | 16°49 | 28°26 | 21°35 | 28°35 | 13° 1 | 12°25 | 14°49 | 6°59 | T 9 |
| F 10 | 13 32 29 | 24°50'02 | 20°24 | 14°41 | 18°28 | 3°32 | 24°20 | 16°47 | 28°25 | 21°33 | 28°35 | 13°D 0 | 12°22 | 14°56 | 7° 3 | F 10 |
| S 11 | 13 36 25 | 25°48'11 | 4♌29 | 15°19 | 17°52 | 3°14 | 24°33 | 16°45 | 28°24 | 21°32 | 28°36 | 13° 0 | 12°18 | 15° 2 | 7° 7 | S 11 |
| S 12 | 13 40 22 | 26°46'18 | 18°41 | 15°51 | 17°18 | 2°56 | 24°46 | 16°43 | 28°23 | 21°31 | 28°36 | 13°R 0 | 12°15 | 15° 9 | 7°12 | S 12 |
| M13 | 13 44 18 | 27°44'22 | 2♍59 | 16°18 | 16°45 | 2°39 | 24°59 | 16°41 | 28°22 | 21°29 | 28°36 | 12°59 | 12°12 | 15°16 | 7°16 | M13 |
| T 14 | 13 48 15 | 28°42'25 | 17°21 | 16°40 | 16°14 | 2°22 | 25°12 | 16°39 | 28°21 | 21°28 | 28°36 | 12°55 | 12° 9 | 15°22 | 7°20 | T 14 |
| W15 | 13 52 11 | 29°40'25 | 1♎43 | 16°57 | 15°45 | 2° 7 | 25°25 | 16°37 | 28°20 | 21°27 | 28°36 | 12°49 | 12° 6 | 15°29 | 7°25 | W15 |
| T 16 | 13 56 8 | 0♉38'24 | 16° 0 | 17° 8 | 15°17 | 1°51 | 25°38 | 16°35 | 28°19 | 21°26 | 28°37 | 12°40 | 12° 3 | 15°36 | 7°29 | T 16 |
| F 17 | 14 0 4 | 1°36'21 | 0♏ 6 | 17°13 | 14°51 | 1°37 | 25°52 | 16°32 | 28°18 | 21°25 | 28°37 | 12°29 | 11°59 | 15°42 | 7°34 | F 17 |
| S 18 | 14 4 1 | 2°34'17 | 13°56 | 17°R14 | 14°28 | 1°23 | 26° 5 | 16°30 | 28°18 | 21°23 | 28°37 | 12°17 | 11°56 | 15°49 | 7°38 | S 18 |
| S 19 | 14 7 58 | 3°32'11 | 27°27 | 17°10 | 14° 7 | 1°10 | 26°18 | 16°27 | 28°17 | 21°22 | 28°38 | 12° 6 | 11°53 | 15°55 | 7°43 | S 19 |
| M20 | 14 11 54 | 4°30'03 | 10♐36 | 17° 1 | 13°48 | 0°58 | 26°32 | 16°25 | 28°16 | 21°21 | 28°38 | 11°56 | 11°50 | 16° 2 | 7°47 | M20 |
| T 21 | 14 15 51 | 5°27'55 | 23°23 | 16°47 | 13°31 | 0°47 | 26°45 | 16°22 | 28°16 | 21°20 | 28°38 | 11°48 | 11°47 | 16° 9 | 7°52 | T 21 |
| W22 | 14 19 47 | 6°25'45 | 5♑49 | 16°30 | 13°17 | 0°36 | 26°59 | 16°19 | 28°15 | 21°19 | 28°39 | 11°42 | 11°43 | 16°15 | 7°56 | W22 |
| T 23 | 14 23 44 | 7°23'33 | 17°59 | 16° 8 | 13° 6 | 0°26 | 27°12 | 16°16 | 28°15 | 21°18 | 28°39 | 11°39 | 11°40 | 16°22 | 8° 1 | T 23 |
| F 24 | 14 27 40 | 8°21'21 | 29°56 | 15°43 | 12°56 | 0°17 | 27°26 | 16°13 | 28°14 | 21°17 | 28°40 | 11°38 | 11°37 | 16°29 | 8° 6 | F 24 |
| S 25 | 14 31 37 | 9°19'07 | 11♒46 | 15°15 | 12°50 | 0° 9 | 27°39 | 16°10 | 28°14 | 21°16 | 28°40 | 11°38 | 11°34 | 16°35 | 8°10 | S 25 |
| S 26 | 14 35 33 | 10°16'52 | 23°34 | 14°44 | 12°45 | 0° 1 | 27°53 | 16° 7 | 28°14 | 21°15 | 28°41 | 11°38 | 11°31 | 16°42 | 8°15 | S 26 |
| M27 | 14 39 30 | 11°14'36 | 5♓26 | 14°12 | 12°D43 | 29♍55 | 28° 6 | 16° 4 | 28°14 | 21°14 | 28°41 | 11°37 | 11°28 | 16°49 | 8°20 | M27 |
| T 28 | 14 43 27 | 12°12'18 | 17°27 | 13°38 | 12°44 | 29°49 | 28°20 | 16° 1 | 28°13 | 21°13 | 28°42 | 11°33 | 11°24 | 16°55 | 8°25 | T 28 |
| W29 | 14 47 23 | 13°10'00 | 29°41 | 13° 3 | 12°47 | 29°44 | 28°34 | 15°57 | 28°13 | 21°12 | 28°43 | 11°27 | 11°21 | 17° 2 | 8°30 | W29 |
| T 30 | 14 51 20 | 14♉ 7'40 | 12♈11 | 12♉29 | 12♈52 | 29♍39 | 28♉47 | 15♐54 | 28♌13 | 21♍11 | 28♋43 | 11♌18 | 11♌18 | 17♒ 9 | 8♊35 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n22 | 6s14 | 3s 5 | 15n31 | 2n20 | 15n43 | 6n51 | 0s26 | 2n25 | 17n54 | 0s36 | 21s30 | 1n26 | 12n46 | 0n48 | 4n41 | 1n31 | 27n35 | 7n11 | 16n40 | 17n 3 | 16s50 | 17n57 | 3s37 |
| T 2 | 6 44 | 2 1 | 3 52 | 16 5 | 2 27 | 15 24 | 6 45 | 0 19 | 2 23 | 17 57 | 0 36 | 21 30 | 1 26 | 12 47 | 0 48 | 4 41 | 1 31 | 27 35 | 7 11 | 16 43 | 17 4 | 16 49 | 17 58 | 3 36 |
| F 3 | 7 7 | 2n21 | 4 29 | 16 37 | 2 33 | 15 3 | 6 37 | 0 13 | 2 20 | 18 0 | 0 36 | 21 30 | 1 26 | 12 47 | 0 47 | 4 42 | 1 31 | 27 35 | 7 11 | 16 46 | 17 5 | 16 48 | 17 59 | 3 36 |
| S 4 | 7 29 | 6 41 | 4 54 | 17 6 | 2 38 | 14 42 | 6 29 | 0 7 | 2 18 | 18 4 | 0 36 | 21 30 | 1 26 | 12 47 | 0 47 | 4 43 | 1 31 | 27 35 | 7 11 | 16 49 | 17 6 | 16 47 | 17 59 | 3 36 |
| S 5 | 7 51 | 10 48 | 5 3 | 17 32 | 2 42 | 14 19 | 6 21 | 0 0 | 2 15 | 18 7 | 0 36 | 21 30 | 1 26 | 12 48 | 0 47 | 4 43 | 1 31 | 27 34 | 7 11 | 16 52 | 17 7 | 16 46 | 18 0 | 3 36 |
| M 6 | 8 13 | 14 28 | 4 56 | 17 55 | 2 46 | 13 56 | 6 11 | 0n 6 | 2 13 | 18 10 | 0 35 | 21 29 | 1 26 | 12 48 | 0 47 | 4 44 | 1 31 | 27 34 | 7 10 | 16 55 | 17 8 | 16 45 | 18 1 | 3 36 |
| T 7 | 8 35 | 17 26 | 4 33 | 18 16 | 2 48 | 13 32 | 6 1 | 0 11 | 2 10 | 18 14 | 0 35 | 21 29 | 1 26 | 12 49 | 0 47 | 4 44 | 1 31 | 27 34 | 7 10 | 16 57 | 17 9 | 16 43 | 18 2 | 3 36 |
| W 8 | 8 57 | 19 28 | 3 54 | 18 34 | 2 49 | 13 8 | 5 50 | 0 17 | 2 8 | 18 17 | 0 35 | 21 29 | 1 26 | 12 49 | 0 47 | 4 45 | 1 31 | 27 34 | 7 10 | 16 59 | 17 9 | 16 42 | 18 2 | 3 36 |
| T 9 | 9 19 | 20 24 | 3 1 | 18 49 | 2 50 | 12 43 | 5 39 | 0 22 | 2 5 | 18 20 | 0 35 | 21 29 | 1 27 | 12 49 | 0 47 | 4 45 | 1 31 | 27 34 | 7 10 | 17 0 | 17 10 | 16 41 | 18 3 | 3 36 |
| F 10 | 9 40 | 20 5 | 1 57 | 19 1 | 2 49 | 12 18 | 5 27 | 0 27 | 2 2 | 18 24 | 0 35 | 21 29 | 1 27 | 12 50 | 0 47 | 4 46 | 1 31 | 27 34 | 7 10 | 17 0 | 17 11 | 16 40 | 18 4 | 3 36 |
| S 11 | 10 1 | 18 31 | 0 45 | 19 11 | 2 47 | 11 53 | 5 14 | 0 32 | 1 59 | 18 27 | 0 35 | 21 28 | 1 27 | 12 50 | 0 47 | 4 46 | 1 31 | 27 34 | 7 10 | 17 0 | 17 12 | 16 39 | 18 5 | 3 36 |
| S 12 | 10 23 | 15 47 | 0n30 | 19 18 | 2 44 | 11 28 | 5 1 | 0 37 | 1 57 | 18 30 | 0 35 | 21 28 | 1 27 | 12 50 | 0 47 | 4 47 | 1 31 | 27 33 | 7 10 | 17 0 | 17 13 | 16 38 | 18 5 | 3 36 |
| M13 | 10 44 | 12 5 | 1 44 | 19 22 | 2 40 | 11 3 | 4 48 | 0 41 | 1 54 | 18 34 | 0 34 | 21 28 | 1 27 | 12 51 | 0 47 | 4 47 | 1 31 | 27 33 | 7 10 | 17 1 | 17 14 | 16 37 | 18 6 | 3 35 |
| T 14 | 11 4 | 7 39 | 2 51 | 19 23 | 2 35 | 10 38 | 4 34 | 0 45 | 1 51 | 18 37 | 0 34 | 21 28 | 1 27 | 12 51 | 0 47 | 4 48 | 1 31 | 27 33 | 7 9 | 17 2 | 17 15 | 16 36 | 18 7 | 3 35 |
| W15 | 11 25 | 2 48 | 3 48 | 19 21 | 2 28 | 10 14 | 4 21 | 0 49 | 1 48 | 18 40 | 0 34 | 21 27 | 1 27 | 12 51 | 0 47 | 4 48 | 1 31 | 27 33 | 7 9 | 17 3 | 17 16 | 16 34 | 18 8 | 3 35 |
| T 16 | 11 46 | 2s11 | 4 30 | 19 17 | 2 21 | 9 50 | 4 7 | 0 52 | 1 46 | 18 44 | 0 34 | 21 27 | 1 27 | 12 52 | 0 47 | 4 49 | 1 31 | 27 33 | 7 9 | 17 6 | 17 17 | 16 33 | 18 8 | 3 35 |
| F 17 | 12 6 | 6 59 | 4 54 | 19 10 | 2 12 | 9 27 | 3 52 | 0 55 | 1 43 | 18 47 | 0 34 | 21 27 | 1 27 | 12 52 | 0 47 | 4 49 | 1 31 | 27 33 | 7 9 | 17 9 | 17 18 | 16 32 | 18 9 | 3 35 |
| S 18 | 12 26 | 11 19 | 5 1 | 19 1 | 2 2 | 9 5 | 3 38 | 0 58 | 1 40 | 18 50 | 0 34 | 21 26 | 1 27 | 12 52 | 0 47 | 4 49 | 1 31 | 27 32 | 7 9 | 17 12 | 17 18 | 16 31 | 18 10 | 3 35 |
| S 19 | 12 46 | 14 59 | 4 51 | 18 49 | 1 51 | 8 44 | 3 24 | 1 1 | 1 37 | 18 53 | 0 34 | 21 26 | 1 27 | 12 52 | 0 47 | 4 50 | 1 31 | 27 32 | 7 9 | 17 16 | 17 19 | 16 30 | 18 11 | 3 35 |
| M20 | 13 6 | 17 48 | 4 25 | 18 35 | 1 39 | 8 23 | 3 10 | 1 3 | 1 34 | 18 57 | 0 34 | 21 26 | 1 27 | 12 52 | 0 47 | 4 50 | 1 31 | 27 32 | 7 9 | 17 19 | 17 20 | 16 29 | 18 12 | 3 35 |
| T 21 | 13 25 | 19 38 | 3 46 | 18 18 | 1 25 | 8 4 | 2 56 | 1 5 | 1 32 | 19 0 | 0 33 | 21 26 | 1 27 | 12 53 | 0 47 | 4 51 | 1 31 | 27 32 | 7 9 | 17 21 | 17 21 | 16 28 | 18 12 | 3 35 |
| W22 | 13 44 | 20 29 | 2 58 | 18 0 | 1 11 | 7 45 | 2 42 | 1 7 | 1 29 | 19 3 | 0 33 | 21 25 | 1 27 | 12 53 | 0 47 | 4 51 | 1 31 | 27 32 | 7 8 | 17 22 | 17 22 | 16 26 | 18 13 | 3 35 |
| T 23 | 14 3 | 20 21 | 2 2 | 17 39 | 0 56 | 7 28 | 2 28 | 1 8 | 1 26 | 19 6 | 0 33 | 21 25 | 1 27 | 12 53 | 0 47 | 4 51 | 1 31 | 27 31 | 7 8 | 17 23 | 17 23 | 16 25 | 18 14 | 3 35 |
| F 24 | 14 22 | 19 16 | 1 2 | 17 17 | 0 40 | 7 11 | 2 14 | 1 9 | 1 23 | 19 10 | 0 33 | 21 25 | 1 27 | 12 53 | 0 47 | 4 52 | 1 31 | 27 31 | 7 8 | 17 23 | 17 24 | 16 24 | 18 15 | 3 35 |
| S 25 | 14 41 | 17 22 | 0s 1 | 16 53 | 0 24 | 6 56 | 2 0 | 1 10 | 1 20 | 19 13 | 0 33 | 21 24 | 1 27 | 12 53 | 0 47 | 4 52 | 1 31 | 27 31 | 7 8 | 17 23 | 17 25 | 16 23 | 18 15 | 3 35 |
| S 26 | 14 59 | 14 44 | 1 3 | 16 28 | 0 7 | 6 42 | 1 47 | 1 11 | 1 18 | 19 16 | 0 33 | 21 24 | 1 27 | 12 53 | 0 47 | 4 53 | 1 31 | 27 31 | 7 8 | 17 23 | 17 25 | 16 22 | 18 16 | 3 35 |
| M27 | 15 17 | 11 28 | 2 3 | 16 2 | 0s10 | 6 30 | 1 34 | 1 11 | 1 15 | 19 19 | 0 33 | 21 24 | 1 27 | 12 53 | 0 47 | 4 53 | 1 31 | 27 30 | 7 8 | 17 24 | 17 26 | 16 21 | 18 17 | 3 35 |
| T 28 | 15 35 | 7 42 | 2 58 | 15 35 | 0 27 | 6 18 | 1 21 | 1 11 | 1 12 | 19 22 | 0 33 | 21 23 | 1 27 | 12 53 | 0 47 | 4 53 | 1 31 | 27 30 | 7 8 | 17 25 | 17 27 | 16 19 | 18 18 | 3 35 |
| W29 | 15 53 | 3 34 | 3 45 | 15 8 | 0 45 | 6 8 | 1 9 | 1 10 | 1 9 | 19 25 | 0 32 | 21 23 | 1 27 | 12 53 | 0 47 | 4 54 | 1 31 | 27 30 | 7 8 | 17 27 | 17 28 | 16 18 | 18 19 | 3 35 |
| T 30 | 16n10 | 0n48 | 4s23 | 14n41 | 1s 2 | 5n59 | 0n57 | 1n 9 | 1n 7 | 19n28 | 0s32 | 21s23 | 1n27 | 12n53 | 0n46 | 4n54 | 1n31 | 27n30 | 7n 7 | 17n29 | 17n29 | 16s17 | 18n19 | 3s35 |

Julian Day Number = 2070692.5, Delta T = 28m10s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'29, Lahiri = 9°19'29 Julian Calendar 1 Apr. 957 == Greg. Calendar 6 Apr. 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## MAY 957 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 55 16 | 15♉ 5'19 | 25♈ 0 | 11°R54 | 12♈59 | 29°R36 | 29♉ 1 | 15°R51 | 28°D13 | 21°R10 | 28♋44 | 11°R 7 | 11♌15 | 17♒15 | 8♊39 | F 1 |
| S 2 | 14 59 13 | 16° 2'57 | 8♉ 7 | 11♉21 | 13° 8 | 29♏33 | 29°15 | 15♐47 | 28♌13 | 21♏10 | 28°45 | 10♌55 | 11°12 | 17°22 | 8°44 | S 2 |
| S 3 | 15 3 9 | 17° 0'34 | 21°33 | 10°50 | 13°20 | 29°31 | 29°29 | 15°44 | 28°13 | 21° 9 | 28°45 | 10°43 | 11° 9 | 17°28 | 8°49 | S 3 |
| M 4 | 15 7 6 | 17°58'09 | 5♊13 | 10°20 | 13°33 | 29°30 | 29°42 | 15°40 | 28°13 | 21° 8 | 28°46 | 10°31 | 11° 5 | 17°35 | 8°54 | M 4 |
| T 5 | 15 11 2 | 18°55'43 | 19° 6 | 9°53 | 13°49 | 29°D30 | 29°56 | 15°36 | 28°14 | 21° 7 | 28°47 | 10°22 | 11° 2 | 17°42 | 8°59 | T 5 |
| W 6 | 15 14 59 | 19°53'16 | 3♋ 6 | 9°29 | 14° 6 | 29°31 | 0♊10 | 15°33 | 28°14 | 21° 7 | 28°48 | 10°15 | 10°59 | 17°48 | 9° 4 | W 6 |
| T 7 | 15 18 56 | 20°50'48 | 17°12 | 9° 9 | 14°26 | 29°32 | 0°24 | 15°29 | 28°14 | 21° 6 | 28°48 | 10°12 | 10°56 | 17°55 | 9° 9 | T 7 |
| F 8 | 15 22 52 | 21°48'18 | 1♌20 | 8°52 | 14°47 | 29°34 | 0°37 | 15°25 | 28°15 | 21° 5 | 28°49 | 10°10 | 10°53 | 18° 2 | 9°14 | F 8 |
| S 9 | 15 26 49 | 22°45'47 | 15°28 | 8°39 | 15°10 | 29°37 | 0°51 | 15°21 | 28°15 | 21° 5 | 28°50 | 10°10 | 10°49 | 18° 8 | 9°19 | S 9 |
| S 10 | 15 30 45 | 23°43'15 | 29°35 | 8°30 | 15°34 | 29°41 | 1° 5 | 15°17 | 28°15 | 21° 4 | 28°51 | 10°10 | 10°46 | 18°15 | 9°25 | S 10 |
| M11 | 15 34 42 | 24°40'41 | 13♍41 | 8°26 | 16° 0 | 29°45 | 1°19 | 15°13 | 28°16 | 21° 4 | 28°52 | 10° 9 | 10°43 | 18°22 | 9°30 | M11 |
| T 12 | 15 38 38 | 25°38'05 | 27°44 | 8°D26 | 16°28 | 29°50 | 1°33 | 15° 9 | 28°17 | 21° 3 | 28°53 | 10° 6 | 10°40 | 18°28 | 9°35 | T 12 |
| W13 | 15 42 35 | 26°35'29 | 11♎42 | 8°30 | 16°57 | 29°56 | 1°47 | 15° 5 | 28°17 | 21° 3 | 28°54 | 10° 0 | 10°37 | 18°35 | 9°40 | W13 |
| T 14 | 15 46 31 | 27°32'51 | 25°33 | 8°39 | 17°28 | 0♎ 3 | 2° 1 | 15° 1 | 28°18 | 21° 2 | 28°55 | 9°51 | 10°34 | 18°42 | 9°45 | T 14 |
| F 15 | 15 50 28 | 28°30'12 | 9♏14 | 8°52 | 18° 0 | 0°10 | 2°14 | 14°57 | 28°19 | 21° 2 | 28°56 | 9°41 | 10°30 | 18°48 | 9°50 | F 15 |
| S 16 | 15 54 25 | 29°27'32 | 22°42 | 9°10 | 18°33 | 0°18 | 2°28 | 14°53 | 28°19 | 21° 1 | 28°57 | 9°30 | 10°27 | 18°55 | 9°55 | S 16 |
| S 17 | 15 58 21 | 0♊24'52 | 5♐54 | 9°32 | 19° 8 | 0°27 | 2°42 | 14°49 | 28°20 | 21° 1 | 28°58 | 9°19 | 10°24 | 19° 2 | 10° 1 | S 17 |
| M18 | 16 2 18 | 1°22'10 | 18°49 | 9°59 | 19°44 | 0°36 | 2°56 | 14°44 | 28°21 | 21° 1 | 28°59 | 9° 9 | 10°21 | 19° 8 | 10° 6 | M18 |
| T 19 | 16 6 14 | 2°19'28 | 1♑26 | 10°30 | 20°21 | 0°46 | 3°10 | 14°40 | 28°22 | 21° 1 | 29° 0 | 9° 1 | 10°18 | 19°15 | 10°11 | T 19 |
| W20 | 16 10 11 | 3°16'46 | 13°47 | 11° 5 | 20°59 | 0°56 | 3°24 | 14°36 | 28°23 | 21° 0 | 29° 1 | 8°56 | 10°15 | 19°21 | 10°16 | W20 |
| T 21 | 16 14 7 | 4°14'03 | 25°53 | 11°44 | 21°39 | 1° 8 | 3°38 | 14°32 | 28°24 | 21° 0 | 29° 2 | 8°53 | 10°11 | 19°28 | 10°21 | T 21 |
| F 22 | 16 18 4 | 5°11'19 | 7♒49 | 12°28 | 22°19 | 1°19 | 3°51 | 14°27 | 28°25 | 21° 0 | 29° 4 | 8°D52 | 10° 8 | 19°35 | 10°27 | F 22 |
| S 23 | 16 22 0 | 6° 8'35 | 19°39 | 13°15 | 23° 1 | 1°32 | 4° 5 | 14°23 | 28°26 | 21° 0 | 29° 5 | 8°53 | 10° 5 | 19°41 | 10°32 | S 23 |
| S 24 | 16 25 57 | 7° 5'50 | 1♓28 | 14° 6 | 23°43 | 1°45 | 4°19 | 14°19 | 28°27 | 20°59 | 29° 6 | 8°R53 | 10° 2 | 19°48 | 10°37 | S 24 |
| M25 | 16 29 54 | 8° 3'05 | 13°21 | 15° 1 | 24°27 | 1°59 | 4°33 | 14°14 | 28°29 | 20°59 | 29° 7 | 8°53 | 9°59 | 19°55 | 10°42 | M25 |
| T 26 | 16 33 50 | 9° 0'19 | 25°23 | 16° 0 | 25°11 | 2°13 | 4°47 | 14°10 | 28°30 | 20°59 | 29° 8 | 8°52 | 9°55 | 20° 1 | 10°48 | T 26 |
| W27 | 16 37 47 | 9°57'34 | 7♈40 | 17° 3 | 25°56 | 2°28 | 5° 1 | 14° 5 | 28°31 | 20°59 | 29°10 | 8°48 | 9°52 | 20° 8 | 10°53 | W27 |
| T 28 | 16 41 43 | 10°54'48 | 20°15 | 18° 9 | 26°42 | 2°43 | 5°15 | 14° 1 | 28°33 | 20°D59 | 29°11 | 8°43 | 9°49 | 20°15 | 10°58 | T 28 |
| F 29 | 16 45 40 | 11°52'02 | 3♉12 | 19°18 | 27°29 | 2°59 | 5°28 | 13°57 | 28°34 | 20°59 | 29°12 | 8°35 | 9°46 | 20°21 | 11° 3 | F 29 |
| S 30 | 16 49 36 | 12°49'15 | 16°31 | 20°31 | 28°17 | 3°15 | 5°42 | 13°52 | 28°36 | 20°59 | 29°14 | 8°27 | 9°43 | 20°28 | 11° 9 | S 30 |
| S 31 | 16 53 33 | 13♊46'28 | 0♊13 | 21♉48 | 29♈ 5 | 3♎32 | 5♊56 | 13♐48 | 28♌37 | 20♏59 | 29♋15 | 8♌18 | 9♌40 | 20♒35 | 11♊14 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 16n27 | 5n15 | 4s49 | 14n14 | 1s19 | 5n51 | 0n45 | 1n 8 | 1n 4 | 19n32 | 0s32 | 21s22 | 1n27 | 12n53 | 0n46 | 4n54 | 1n31 | 27n29 | 7n 7 | 17n32 | 17n30 | 16s16 | 18n20 | 3s35 | F 1 |
| S 2 | 16 44 | 9 33 | 5 0 | 13 48 | 1 36 | 5 44 | 0 33 | 1 7 | 1 1 | 19 35 | 0 32 | 21 22 | 1 27 | 12 53 | 0 46 | 4 54 | 1 31 | 27 29 | 7 7 | 17 35 | 17 31 | 16 15 | 18 21 | 3 35 | S 2 |
| S 3 | 17 1 | 13 30 | 4 55 | 13 23 | 1 52 | 5 38 | 0 22 | 1 5 | 0 59 | 19 38 | 0 32 | 21 21 | 1 27 | 12 53 | 0 46 | 4 55 | 1 30 | 27 29 | 7 7 | 17 39 | 17 32 | 16 13 | 18 22 | 3 35 | S 3 |
| M 4 | 17 17 | 16 48 | 4 34 | 13 0 | 2 7 | 5 33 | 0 11 | 1 3 | 0 56 | 19 41 | 0 32 | 21 21 | 1 27 | 12 53 | 0 46 | 4 55 | 1 30 | 27 29 | 7 7 | 17 42 | 17 33 | 16 12 | 18 22 | 3 35 | M 4 |
| T 5 | 17 33 | 19 13 | 3 55 | 12 38 | 2 21 | 5 30 | 0 1 | 1 1 | 0 53 | 19 44 | 0 32 | 21 21 | 1 27 | 12 53 | 0 46 | 4 55 | 1 30 | 27 28 | 7 7 | 17 44 | 17 33 | 16 11 | 18 23 | 3 35 | T 5 |
| W 6 | 17 49 | 20 29 | 3 3 | 12 17 | 2 35 | 5 27 | 0s 9 | 0 58 | 0 51 | 19 47 | 0 32 | 21 20 | 1 27 | 12 53 | 0 46 | 4 56 | 1 30 | 27 28 | 7 7 | 17 46 | 17 34 | 16 10 | 18 24 | 3 35 | W 6 |
| T 7 | 18 4 | 20 30 | 1 59 | 11 59 | 2 47 | 5 25 | 0 19 | 0 55 | 0 48 | 19 50 | 0 32 | 21 20 | 1 27 | 12 52 | 0 46 | 4 56 | 1 30 | 27 28 | 7 7 | 17 47 | 17 35 | 16 9 | 18 25 | 3 35 | T 7 |
| F 8 | 18 19 | 19 13 | 0 47 | 11 43 | 2 58 | 5 25 | 0 29 | 0 52 | 0 46 | 19 53 | 0 31 | 21 19 | 1 27 | 12 52 | 0 46 | 4 56 | 1 30 | 27 28 | 7 7 | 17 48 | 17 36 | 16 7 | 18 25 | 3 35 | F 8 |
| S 9 | 18 34 | 16 44 | 0n28 | 11 29 | 3 9 | 5 25 | 0 38 | 0 49 | 0 43 | 19 56 | 0 31 | 21 19 | 1 27 | 12 52 | 0 46 | 4 56 | 1 30 | 27 27 | 7 6 | 17 48 | 17 37 | 16 6 | 18 26 | 3 35 | S 9 |
| S 10 | 18 48 | 13 15 | 1 41 | 11 18 | 3 18 | 5 27 | 0 47 | 0 45 | 0 41 | 19 59 | 0 31 | 21 19 | 1 27 | 12 52 | 0 46 | 4 56 | 1 30 | 27 27 | 7 6 | 17 48 | 17 38 | 16 5 | 18 27 | 3 35 | S 10 |
| M11 | 19 3 | 9 2 | 2 48 | 11 9 | 3 26 | 5 29 | 0 55 | 0 41 | 0 39 | 20 2 | 0 31 | 21 18 | 1 27 | 12 52 | 0 46 | 4 57 | 1 30 | 27 27 | 7 6 | 17 48 | 17 39 | 16 4 | 18 28 | 3 35 | M11 |
| T 12 | 19 17 | 4 20 | 3 44 | 11 2 | 3 33 | 5 32 | 1 3 | 0 37 | 0 36 | 20 5 | 0 31 | 21 18 | 1 27 | 12 51 | 0 46 | 4 57 | 1 30 | 27 26 | 7 6 | 17 49 | 17 40 | 16 2 | 18 28 | 3 35 | T 12 |
| W13 | 19 30 | 0s34 | 4 27 | 10 58 | 3 39 | 5 36 | 1 11 | 0 32 | 0 34 | 20 8 | 0 31 | 21 17 | 1 27 | 12 51 | 0 46 | 4 57 | 1 30 | 27 26 | 7 6 | 17 50 | 17 40 | 16 1 | 18 29 | 3 35 | W13 |
| T 14 | 19 43 | 5 23 | 4 53 | 10 56 | 3 43 | 5 41 | 1 19 | 0 28 | 0 31 | 20 10 | 0 31 | 21 17 | 1 27 | 12 51 | 0 46 | 4 57 | 1 30 | 27 26 | 7 6 | 17 53 | 17 41 | 16 0 | 18 30 | 3 35 | T 14 |
| F 15 | 19 56 | 9 52 | 5 2 | 10 57 | 3 47 | 5 46 | 1 26 | 0 23 | 0 29 | 20 13 | 0 31 | 21 17 | 1 27 | 12 51 | 0 46 | 4 57 | 1 30 | 27 25 | 7 6 | 17 55 | 17 42 | 15 59 | 18 30 | 3 35 | F 15 |
| S 16 | 20 9 | 13 48 | 4 54 | 11 1 | 3 49 | 5 53 | 1 33 | 0 17 | 0 27 | 20 16 | 0 31 | 21 16 | 1 27 | 12 50 | 0 46 | 4 57 | 1 30 | 27 25 | 7 6 | 17 58 | 17 43 | 15 57 | 18 31 | 3 35 | S 16 |
| S 17 | 20 21 | 16 58 | 4 31 | 11 6 | 3 50 | 6 0 | 1 40 | 0 12 | 0 25 | 20 19 | 0 31 | 21 16 | 1 27 | 12 50 | 0 46 | 4 57 | 1 30 | 27 25 | 7 6 | 18 1 | 17 44 | 15 56 | 18 32 | 3 35 | S 17 |
| M18 | 20 33 | 19 13 | 3 54 | 11 14 | 3 51 | 6 7 | 1 46 | 0 6 | 0 22 | 20 22 | 0 30 | 21 15 | 1 27 | 12 50 | 0 46 | 4 57 | 1 30 | 27 24 | 7 6 | 18 4 | 17 45 | 15 55 | 18 32 | 3 35 | M18 |
| T 19 | 20 45 | 20 28 | 3 6 | 11 24 | 3 50 | 6 16 | 1 52 | 0 0 | 0 20 | 20 25 | 0 30 | 21 15 | 1 27 | 12 49 | 0 46 | 4 58 | 1 30 | 27 24 | 7 5 | 18 6 | 17 46 | 15 54 | 18 33 | 3 35 | T 19 |
| W20 | 20 56 | 20 42 | 2 10 | 11 37 | 3 49 | 6 25 | 1 58 | 0s 6 | 0 18 | 20 27 | 0 30 | 21 14 | 1 27 | 12 49 | 0 46 | 4 58 | 1 30 | 27 24 | 7 5 | 18 7 | 17 46 | 15 52 | 18 34 | 3 35 | W20 |
| T 21 | 21 7 | 19 58 | 1 9 | 11 51 | 3 46 | 6 34 | 2 4 | 0 12 | 0 16 | 20 30 | 0 30 | 21 14 | 1 27 | 12 49 | 0 46 | 4 58 | 1 30 | 27 23 | 7 5 | 18 8 | 17 47 | 15 51 | 18 35 | 3 35 | T 21 |
| F 22 | 21 17 | 18 19 | 0 6 | 12 7 | 3 43 | 6 45 | 2 9 | 0 19 | 0 14 | 20 33 | 0 30 | 21 13 | 1 27 | 12 48 | 0 46 | 4 58 | 1 30 | 27 23 | 7 5 | 18 8 | 17 48 | 15 50 | 18 35 | 3 35 | F 22 |
| S 23 | 21 27 | 15 55 | 0s57 | 12 25 | 3 39 | 6 55 | 2 14 | 0 26 | 0 12 | 20 35 | 0 30 | 21 13 | 1 27 | 12 48 | 0 46 | 4 58 | 1 30 | 27 23 | 7 5 | 18 8 | 17 49 | 15 49 | 18 36 | 3 35 | S 23 |
| S 24 | 21 37 | 12 51 | 1 58 | 12 45 | 3 34 | 7 7 | 2 19 | 0 33 | 0 10 | 20 38 | 0 30 | 21 13 | 1 27 | 12 47 | 0 46 | 4 58 | 1 30 | 27 22 | 7 5 | 18 8 | 17 50 | 15 47 | 18 37 | 3 35 | S 24 |
| M25 | 21 46 | 9 15 | 2 54 | 13 6 | 3 29 | 7 18 | 2 23 | 0 40 | 0 8 | 20 41 | 0 30 | 21 12 | 1 27 | 12 47 | 0 45 | 4 58 | 1 30 | 27 22 | 7 5 | 18 8 | 17 51 | 15 46 | 18 37 | 3 35 | M25 |
| T 26 | 21 55 | 5 15 | 3 43 | 13 29 | 3 23 | 7 31 | 2 27 | 0 48 | 0 6 | 20 43 | 0 30 | 21 12 | 1 27 | 12 46 | 0 45 | 4 58 | 1 30 | 27 22 | 7 5 | 18 9 | 17 52 | 15 45 | 18 38 | 3 36 | T 26 |
| W27 | 22 4 | 0 57 | 4 22 | 13 53 | 3 16 | 7 43 | 2 31 | 0 55 | 0 4 | 20 46 | 0 30 | 21 11 | 1 27 | 12 46 | 0 45 | 4 58 | 1 30 | 27 21 | 7 5 | 18 9 | 17 52 | 15 43 | 18 38 | 3 36 | W27 |
| T 28 | 22 12 | 3n29 | 4 50 | 14 19 | 3 8 | 7 56 | 2 35 | 1 3 | 0 2 | 20 49 | 0 30 | 21 11 | 1 26 | 12 45 | 0 45 | 4 58 | 1 29 | 27 21 | 7 5 | 18 11 | 17 53 | 15 42 | 18 39 | 3 36 | T 28 |
| F 29 | 22 20 | 7 53 | 5 4 | 14 46 | 3 0 | 8 10 | 2 39 | 1 11 | 0 0 | 20 51 | 0 30 | 21 10 | 1 26 | 12 45 | 0 45 | 4 58 | 1 29 | 27 21 | 7 5 | 18 13 | 17 54 | 15 41 | 18 40 | 3 36 | F 29 |
| S 30 | 22 28 | 12 2 | 5 3 | 15 13 | 2 52 | 8 24 | 2 42 | 1 20 | 0s 2 | 20 54 | 0 29 | 21 10 | 1 26 | 12 44 | 0 45 | 4 58 | 1 29 | 27 20 | 7 5 | 18 15 | 17 55 | 15 40 | 18 40 | 3 36 | S 30 |
| S 31 | 22n35 | 15n41 | 4s44 | 15n42 | 2s42 | 8n38 | 2s45 | 1s28 | 0s 4 | 20n56 | 0s29 | 21s 9 | 1n26 | 12n44 | 0n45 | 4n57 | 1n29 | 27n20 | 7n 4 | 18n18 | 17n56 | 15s38 | 18n41 | 3s36 | S 31 |

Julian Day Number = 2070722.5, Delta T = 28m09s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'33, Lahiri = 9°19'33 Julian Calendar 1 May 957 == Greg. Calendar 6 May 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## JUNE 957 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 57 29 | 14♊43'42 | 14♊14 | 23♉ 8 | 29♈54 | 3♎50 | 6♊10 | 13°R43 | 28♌39 | 21♍ 0 | 29♋16 | 8°R 9 | 9♌36 | 20♒41 | 11♊19 | M 1 |
| T 2 | 17 1 26 | 15°40'54 | 28°30 | 24°31 | 0♉44 | 4° 8 | 6°24 | 13♐39 | 28°40 | 21° 0 | 29°18 | 8♌ 3 | 9°33 | 20°48 | 11°24 | T 2 |
| W 3 | 17 5 23 | 16°38'07 | 12♋56 | 25°58 | 1°35 | 4°26 | 6°37 | 13°35 | 28°42 | 21° 0 | 29°19 | 7°58 | 9°30 | 20°55 | 11°30 | W 3 |
| T 4 | 17 9 19 | 17°35'19 | 27°26 | 27°28 | 2°26 | 4°46 | 6°51 | 13°30 | 28°44 | 21° 0 | 29°20 | 7°56 | 9°27 | 21° 1 | 11°35 | T 4 |
| F 5 | 17 13 16 | 18°32'30 | 11♌54 | 29° 1 | 3°18 | 5° 5 | 7° 5 | 13°26 | 28°46 | 21° 0 | 29°22 | 7°D55 | 9°24 | 21° 8 | 11°40 | F 5 |
| S 6 | 17 17 12 | 19°29'41 | 26°16 | 0♊37 | 4°10 | 5°25 | 7°19 | 13°21 | 28°47 | 21° 1 | 29°23 | 7°56 | 9°21 | 21°14 | 11°45 | S 6 |
| S 7 | 17 21 9 | 20°26'51 | 10♍31 | 2°17 | 5° 3 | 5°46 | 7°32 | 13°17 | 28°49 | 21° 1 | 29°25 | 7°57 | 9°17 | 21°21 | 11°51 | S 7 |
| M 8 | 17 25 5 | 21°24'01 | 24°35 | 4° 0 | 5°56 | 6° 6 | 7°46 | 13°13 | 28°51 | 21° 1 | 29°26 | 7°R57 | 9°14 | 21°28 | 11°56 | M 8 |
| T 9 | 17 29 2 | 22°21'11 | 8♎29 | 5°45 | 6°50 | 6°28 | 8° 0 | 13° 8 | 28°53 | 21° 2 | 29°28 | 7°56 | 9°11 | 21°34 | 12° 1 | T 9 |
| W10 | 17 32 59 | 23°18'20 | 22°11 | 7°34 | 7°45 | 6°50 | 8°13 | 13° 4 | 28°55 | 21° 2 | 29°29 | 7°53 | 9° 8 | 21°41 | 12° 6 | W10 |
| T 11 | 17 36 55 | 24°15'28 | 5♏40 | 9°26 | 8°40 | 7°12 | 8°27 | 13° 0 | 28°57 | 21° 3 | 29°31 | 7°48 | 9° 5 | 21°48 | 12°12 | T 11 |
| F 12 | 17 40 52 | 25°12'37 | 18°58 | 11°20 | 9°35 | 7°35 | 8°40 | 12°55 | 28°59 | 21° 3 | 29°32 | 7°42 | 9° 1 | 21°54 | 12°17 | F 12 |
| S 13 | 17 44 48 | 26° 9'45 | 2♐ 2 | 13°17 | 10°31 | 7°58 | 8°54 | 12°51 | 29° 1 | 21° 4 | 29°34 | 7°35 | 8°58 | 22° 1 | 12°22 | S 13 |
| S 14 | 17 48 45 | 27° 6'54 | 14°52 | 15°16 | 11°28 | 8°21 | 9° 7 | 12°47 | 29° 4 | 21° 4 | 29°35 | 7°28 | 8°55 | 22° 8 | 12°27 | S 14 |
| M15 | 17 52 41 | 28° 4'02 | 27°29 | 17°18 | 12°25 | 8°45 | 9°21 | 12°43 | 29° 6 | 21° 5 | 29°37 | 7°22 | 8°52 | 22°14 | 12°32 | M15 |
| T 16 | 17 56 38 | 29° 1'11 | 9♑52 | 19°21 | 13°22 | 9° 9 | 9°34 | 12°39 | 29° 8 | 21° 5 | 29°38 | 7°18 | 8°49 | 22°21 | 12°37 | T 16 |
| W17 | 18 0 34 | 29°58'19 | 22° 3 | 21°26 | 14°20 | 9°34 | 9°48 | 12°34 | 29°10 | 21° 6 | 29°40 | 7°15 | 8°46 | 22°28 | 12°43 | W17 |
| T 18 | 18 4 31 | 0♋55'28 | 4♒ 4 | 23°33 | 15°18 | 9°59 | 10° 1 | 12°30 | 29°13 | 21° 7 | 29°42 | 7°D14 | 8°42 | 22°34 | 12°48 | T 18 |
| F 19 | 18 8 28 | 1°52'38 | 15°56 | 25°40 | 16°16 | 10°24 | 10°14 | 12°26 | 29°15 | 21° 7 | 29°43 | 7°14 | 8°39 | 22°41 | 12°53 | F 19 |
| S 20 | 18 12 24 | 2°49'47 | 27°45 | 27°49 | 17°15 | 10°50 | 10°28 | 12°22 | 29°18 | 21° 8 | 29°45 | 7°15 | 8°36 | 22°48 | 12°58 | S 20 |
| S 21 | 18 16 21 | 3°46'57 | 9♓33 | 29°58 | 18°15 | 11°16 | 10°41 | 12°18 | 29°20 | 21° 9 | 29°47 | 7°17 | 8°33 | 22°54 | 13° 3 | S 21 |
| M22 | 18 20 17 | 4°44'08 | 21°26 | 2♋ 7 | 19°14 | 11°42 | 10°54 | 12°14 | 29°23 | 21° 9 | 29°48 | 7°18 | 8°30 | 23° 1 | 13° 8 | M22 |
| T 23 | 18 24 14 | 5°41'19 | 3♈28 | 4°16 | 20°14 | 12° 9 | 11° 7 | 12°11 | 29°25 | 21°10 | 29°50 | 7°R19 | 8°26 | 23° 8 | 13°13 | T 23 |
| W24 | 18 28 10 | 6°38'31 | 15°44 | 6°25 | 21°15 | 12°36 | 11°20 | 12° 7 | 29°28 | 21°11 | 29°52 | 7°19 | 8°23 | 23°14 | 13°18 | W24 |
| T 25 | 18 32 7 | 7°35'43 | 28°19 | 8°33 | 22°15 | 13° 4 | 11°34 | 12° 3 | 29°30 | 21°12 | 29°53 | 7°17 | 8°20 | 23°21 | 13°23 | T 25 |
| F 26 | 18 36 3 | 8°32'57 | 11♉17 | 10°41 | 23°16 | 13°31 | 11°47 | 11°59 | 29°33 | 21°13 | 29°55 | 7°14 | 8°17 | 23°27 | 13°28 | F 26 |
| S 27 | 18 40 0 | 9°30'11 | 24°39 | 12°47 | 24°17 | 14° 0 | 12° 0 | 11°55 | 29°36 | 21°14 | 29°57 | 7°11 | 8°14 | 23°34 | 13°33 | S 27 |
| S 28 | 18 43 57 | 10°27'25 | 8♊27 | 14°53 | 25°19 | 14°28 | 12°13 | 11°52 | 29°38 | 21°15 | 29°58 | 7° 7 | 8°11 | 23°41 | 13°38 | S 28 |
| M29 | 18 47 53 | 11°24'41 | 22°39 | 16°57 | 26°21 | 14°57 | 12°25 | 11°48 | 29°41 | 21°16 | 0♌ 0 | 7° 3 | 8° 7 | 23°47 | 13°43 | M29 |
| T 30 | 18 51 50 | 12♋21'57 | 7♋11 | 19♋ 0 | 27♉23 | 15♎26 | 12♊38 | 11♐45 | 29♌44 | 21♍17 | 0♌ 2 | 7♌ 0 | 8♌ 4 | 23♒54 | 13♊47 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n42 | 18n32 | 4s 8 | 16n12 | 2s33 | 8n53 | 2s48 | 1s37 | 0s 5 | 20n59 | 0s29 | 21s 9 | 1n26 | 12n43 | 0n45 | 4n57 | 1n29 | 27n20 | 7n 4 | 18n20 | 17n57 | 15s37 | 18n42 | 3s36 |
| T 2 | 22 48 | 20 18 | 3 16 | 16 42 | 2 23 | 9 7 | 2 51 | 1 46 | 0 7 | 21 1 | 0 29 | 21 8 | 1 26 | 12 42 | 0 45 | 4 57 | 1 29 | 27 19 | 7 4 | 18 21 | 17 58 | 15 36 | 18 42 | 3 36 |
| W 3 | 22 54 | 20 47 | 2 10 | 17 13 | 2 12 | 9 23 | 2 53 | 1 55 | 0 9 | 21 3 | 0 29 | 21 8 | 1 26 | 12 42 | 0 45 | 4 57 | 1 29 | 27 19 | 7 4 | 18 23 | 17 58 | 15 34 | 18 43 | 3 36 |
| T 4 | 22 59 | 19 52 | 0 56 | 17 44 | 2 1 | 9 38 | 2 56 | 2 4 | 0 11 | 21 6 | 0 29 | 21 8 | 1 26 | 12 41 | 0 45 | 4 57 | 1 29 | 27 19 | 7 4 | 18 23 | 17 59 | 15 33 | 18 43 | 3 36 |
| F 5 | 23 5 | 17 40 | 0n21 | 18 15 | 1 50 | 9 54 | 2 58 | 2 13 | 0 12 | 21 8 | 0 29 | 21 7 | 1 26 | 12 40 | 0 45 | 4 57 | 1 29 | 27 18 | 7 4 | 18 23 | 18 0 | 15 32 | 18 44 | 3 37 |
| S 6 | 23 9 | 14 21 | 1 38 | 18 47 | 1 39 | 10 9 | 3 0 | 2 23 | 0 14 | 21 11 | 0 29 | 21 7 | 1 26 | 12 40 | 0 45 | 4 57 | 1 29 | 27 18 | 7 4 | 18 23 | 18 1 | 15 30 | 18 45 | 3 37 |
| S 7 | 23 14 | 10 14 | 2 47 | 19 18 | 1 27 | 10 25 | 3 2 | 2 32 | 0 16 | 21 13 | 0 29 | 21 6 | 1 26 | 12 39 | 0 45 | 4 57 | 1 29 | 27 17 | 7 4 | 18 23 | 18 2 | 15 29 | 18 45 | 3 37 |
| M 8 | 23 18 | 5 36 | 3 45 | 19 50 | 1 16 | 10 42 | 3 3 | 2 42 | 0 17 | 21 15 | 0 29 | 21 6 | 1 26 | 12 38 | 0 45 | 4 56 | 1 29 | 27 17 | 7 4 | 18 23 | 18 3 | 15 28 | 18 46 | 3 37 |
| T 9 | 23 21 | 0 45 | 4 30 | 20 20 | 1 4 | 10 58 | 3 5 | 2 52 | 0 19 | 21 18 | 0 29 | 21 5 | 1 25 | 12 38 | 0 45 | 4 56 | 1 29 | 27 17 | 7 4 | 18 23 | 18 3 | 15 26 | 18 46 | 3 37 |
| W10 | 23 24 | 4s 5 | 4 58 | 20 51 | 0 52 | 11 15 | 3 6 | 3 2 | 0 20 | 21 20 | 0 29 | 21 5 | 1 25 | 12 37 | 0 45 | 4 56 | 1 29 | 27 16 | 7 4 | 18 24 | 18 4 | 15 25 | 18 47 | 3 37 |
| T 11 | 23 27 | 8 38 | 5 9 | 21 20 | 0 40 | 11 31 | 3 7 | 3 13 | 0 22 | 21 22 | 0 28 | 21 4 | 1 25 | 12 36 | 0 45 | 4 56 | 1 29 | 27 16 | 7 4 | 18 25 | 18 5 | 15 24 | 18 47 | 3 37 |
| F 12 | 23 29 | 12 42 | 5 3 | 21 48 | 0 28 | 11 48 | 3 8 | 3 23 | 0 24 | 21 24 | 0 28 | 21 4 | 1 25 | 12 35 | 0 45 | 4 56 | 1 29 | 27 16 | 7 4 | 18 27 | 18 6 | 15 22 | 18 48 | 3 38 |
| S 13 | 23 31 | 16 5 | 4 42 | 22 15 | 0 16 | 12 5 | 3 8 | 3 33 | 0 25 | 21 26 | 0 28 | 21 4 | 1 25 | 12 35 | 0 45 | 4 55 | 1 29 | 27 15 | 7 4 | 18 29 | 18 7 | 15 21 | 18 48 | 3 38 |
| S 14 | 23 32 | 18 38 | 4 6 | 22 41 | 0 5 | 12 22 | 3 9 | 3 44 | 0 27 | 21 29 | 0 28 | 21 3 | 1 25 | 12 34 | 0 45 | 4 55 | 1 29 | 27 15 | 7 4 | 18 30 | 18 8 | 15 20 | 18 49 | 3 38 |
| M15 | 23 33 | 20 14 | 3 19 | 23 4 | 0n 7 | 12 39 | 3 9 | 3 55 | 0 28 | 21 31 | 0 28 | 21 3 | 1 25 | 12 33 | 0 45 | 4 55 | 1 29 | 27 14 | 7 4 | 18 32 | 18 9 | 15 18 | 18 49 | 3 38 |
| T 16 | 23 34 | 20 49 | 2 24 | 23 26 | 0 18 | 12 56 | 3 10 | 4 6 | 0 29 | 21 33 | 0 28 | 21 2 | 1 25 | 12 32 | 0 45 | 4 55 | 1 29 | 27 14 | 7 4 | 18 33 | 18 9 | 15 17 | 18 50 | 3 38 |
| W17 | 23 34 | 20 25 | 1 22 | 23 46 | 0 28 | 13 12 | 3 10 | 4 17 | 0 31 | 21 35 | 0 28 | 21 2 | 1 25 | 12 31 | 0 45 | 4 54 | 1 29 | 27 14 | 7 4 | 18 34 | 18 10 | 15 15 | 18 50 | 3 38 |
| T 18 | 23 34 | 19 4 | 0 17 | 24 3 | 0 38 | 13 29 | 3 10 | 4 28 | 0 32 | 21 37 | 0 28 | 21 2 | 1 24 | 12 30 | 0 45 | 4 54 | 1 29 | 27 13 | 7 4 | 18 34 | 18 11 | 15 14 | 18 51 | 3 39 |
| F 19 | 23 34 | 16 54 | 0s47 | 24 18 | 0 48 | 13 46 | 3 9 | 4 39 | 0 34 | 21 39 | 0 28 | 21 1 | 1 24 | 12 30 | 0 45 | 4 54 | 1 29 | 27 13 | 7 4 | 18 34 | 18 12 | 15 13 | 18 51 | 3 39 |
| S 20 | 23 33 | 14 2 | 1 50 | 24 30 | 0 57 | 14 3 | 3 9 | 4 51 | 0 35 | 21 41 | 0 28 | 21 1 | 1 24 | 12 29 | 0 45 | 4 53 | 1 29 | 27 13 | 7 4 | 18 34 | 18 13 | 15 11 | 18 52 | 3 39 |
| S 21 | 23 31 | 10 37 | 2 48 | 24 40 | 1 5 | 14 20 | 3 9 | 5 2 | 0 36 | 21 43 | 0 28 | 21 0 | 1 24 | 12 28 | 0 45 | 4 53 | 1 28 | 27 12 | 7 4 | 18 33 | 18 14 | 15 10 | 18 52 | 3 39 |
| M22 | 23 29 | 6 46 | 3 39 | 24 46 | 1 13 | 14 37 | 3 8 | 5 14 | 0 38 | 21 45 | 0 28 | 21 0 | 1 24 | 12 27 | 0 44 | 4 53 | 1 28 | 27 12 | 7 4 | 18 33 | 18 14 | 15 9 | 18 52 | 3 39 |
| T 23 | 23 27 | 2 36 | 4 21 | 24 50 | 1 20 | 14 54 | 3 7 | 5 26 | 0 39 | 21 47 | 0 28 | 21 0 | 1 24 | 12 26 | 0 44 | 4 52 | 1 28 | 27 11 | 7 4 | 18 33 | 18 15 | 15 7 | 18 53 | 3 39 |
| W24 | 23 24 | 1n44 | 4 52 | 24 51 | 1 26 | 15 10 | 3 6 | 5 37 | 0 40 | 21 49 | 0 28 | 20 59 | 1 24 | 12 25 | 0 44 | 4 52 | 1 28 | 27 11 | 7 4 | 18 33 | 18 16 | 15 6 | 18 53 | 3 40 |
| T 25 | 23 21 | 6 7 | 5 10 | 24 49 | 1 32 | 15 27 | 3 5 | 5 49 | 0 41 | 21 50 | 0 27 | 20 59 | 1 24 | 12 24 | 0 44 | 4 52 | 1 28 | 27 11 | 7 4 | 18 33 | 18 17 | 15 4 | 18 54 | 3 40 |
| F 26 | 23 18 | 10 20 | 5 13 | 24 44 | 1 36 | 15 43 | 3 4 | 6 1 | 0 43 | 21 52 | 0 27 | 20 59 | 1 23 | 12 23 | 0 44 | 4 51 | 1 28 | 27 10 | 7 4 | 18 34 | 18 18 | 15 3 | 18 54 | 3 40 |
| S 27 | 23 14 | 14 12 | 4 59 | 24 37 | 1 40 | 15 59 | 3 3 | 6 13 | 0 44 | 21 54 | 0 27 | 20 58 | 1 23 | 12 22 | 0 44 | 4 51 | 1 28 | 27 10 | 7 4 | 18 35 | 18 19 | 15 2 | 18 55 | 3 40 |
| S 28 | 23 9 | 17 25 | 4 28 | 24 27 | 1 44 | 16 15 | 3 2 | 6 25 | 0 45 | 21 56 | 0 27 | 20 58 | 1 23 | 12 21 | 0 44 | 4 50 | 1 28 | 27 10 | 7 4 | 18 36 | 18 19 | 15 0 | 18 55 | 3 40 |
| M29 | 23 5 | 19 42 | 3 40 | 24 15 | 1 46 | 16 31 | 3 0 | 6 38 | 0 46 | 21 58 | 0 27 | 20 57 | 1 23 | 12 20 | 0 44 | 4 50 | 1 28 | 27 9 | 7 4 | 18 37 | 18 20 | 14 59 | 18 55 | 3 41 |
| T 30 | 23n 0 | 20n46 | 2s37 | 24n 0 | 1n48 | 16n47 | 2s59 | 6s50 | 0s47 | 21n59 | 0s27 | 20s57 | 1n23 | 12n19 | 0n44 | 4n49 | 1n28 | 27n 9 | 7n 4 | 18n37 | 18n21 | 14s57 | 18n56 | 3s41 |

Julian Day Number = 2070753.5, Delta T = 28m09s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'37, Lahiri = 9°19'38 Julian Calendar 1 June 957 == Greg. Calendar 6 June 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## JULY 957 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 55 46 | 13♋19'14 | 21♋57 | 21♋ 1 | 28♉25 | 15♎55 | 12♊51 | 11°R41 | 29♌47 | 21♍18 | 0♌ 4 | 6°R59 | 8♌ 1 | 24♒ 1 | 13♊52 | W 1 |
| T 2 | 18 59 43 | 14°16'31 | 6♌50 | 23° 1 | 29°28 | 16°25 | 13° 4 | 11♐38 | 29°50 | 21°19 | 0° 5 | 6°D58 | 7°58 | 24° 7 | 13°57 | T 2 |
| F 3 | 19 3 39 | 15°13'49 | 21°41 | 24°59 | 0♊31 | 16°54 | 13°17 | 11°35 | 29°53 | 21°20 | 0° 7 | 6♌59 | 7°55 | 24°14 | 14° 2 | F 3 |
| S 4 | 19 7 36 | 16°11'07 | 6♍25 | 26°56 | 1°34 | 17°25 | 13°29 | 11°31 | 29°56 | 21°21 | 0° 9 | 7° 0 | 7°52 | 24°21 | 14° 7 | S 4 |
| S 5 | 19 11 32 | 17° 8'26 | 20°55 | 28°51 | 2°37 | 17°55 | 13°42 | 11°28 | 29°59 | 21°22 | 0°11 | 7° 1 | 7°48 | 24°27 | 14°11 | S 5 |
| M 6 | 19 15 29 | 18° 5'45 | 5♎ 8 | 0♌44 | 3°41 | 18°26 | 13°55 | 11°25 | 0♍ 2 | 21°24 | 0°12 | 7° 2 | 7°45 | 24°34 | 14°16 | M 6 |
| T 7 | 19 19 26 | 19° 3'05 | 19° 3 | 2°36 | 4°45 | 18°57 | 14° 7 | 11°22 | 0° 5 | 21°25 | 0°14 | 7°R 2 | 7°42 | 24°41 | 14°21 | T 7 |
| W 8 | 19 23 22 | 20° 0'25 | 2♏38 | 4°26 | 5°49 | 19°28 | 14°19 | 11°19 | 0° 8 | 21°26 | 0°16 | 7° 2 | 7°39 | 24°47 | 14°25 | W 8 |
| T 9 | 19 27 19 | 20°57'45 | 15°56 | 6°14 | 6°53 | 20° 0 | 14°32 | 11°16 | 0°11 | 21°27 | 0°18 | 7° 1 | 7°36 | 24°54 | 14°30 | T 9 |
| F 10 | 19 31 15 | 21°55'07 | 28°56 | 8° 1 | 7°58 | 20°31 | 14°44 | 11°13 | 0°14 | 21°29 | 0°20 | 6°59 | 7°32 | 25° 1 | 14°34 | F 10 |
| S 11 | 19 35 12 | 22°52'29 | 11♐41 | 9°46 | 9° 2 | 21° 3 | 14°56 | 11°11 | 0°17 | 21°30 | 0°21 | 6°57 | 7°29 | 25° 7 | 14°39 | S 11 |
| S 12 | 19 39 8 | 23°49'52 | 24°12 | 11°29 | 10° 7 | 21°36 | 15° 9 | 11° 8 | 0°20 | 21°31 | 0°23 | 6°55 | 7°26 | 25°14 | 14°43 | S 12 |
| M13 | 19 43 5 | 24°47'15 | 6♑31 | 13°10 | 11°12 | 22° 8 | 15°21 | 11° 5 | 0°24 | 21°33 | 0°25 | 6°54 | 7°23 | 25°21 | 14°48 | M13 |
| T 14 | 19 47 1 | 25°44'40 | 18°40 | 14°50 | 12°18 | 22°41 | 15°33 | 11° 3 | 0°27 | 21°34 | 0°27 | 6°53 | 7°20 | 25°27 | 14°52 | T 14 |
| W15 | 19 50 58 | 26°42'05 | 0♒41 | 16°29 | 13°23 | 23°14 | 15°45 | 11° 0 | 0°30 | 21°36 | 0°29 | 6°52 | 7°17 | 25°34 | 14°56 | W15 |
| T 16 | 19 54 55 | 27°39'32 | 12°35 | 18° 5 | 14°29 | 23°47 | 15°57 | 10°58 | 0°33 | 21°37 | 0°30 | 6°D52 | 7°13 | 25°41 | 15° 1 | T 16 |
| F 17 | 19 58 51 | 28°37'00 | 24°24 | 19°40 | 15°35 | 24°20 | 16° 9 | 10°56 | 0°37 | 21°39 | 0°32 | 6°52 | 7°10 | 25°47 | 15° 5 | F 17 |
| S 18 | 20 2 48 | 29°34'29 | 6♓12 | 21°14 | 16°41 | 24°54 | 16°20 | 10°54 | 0°40 | 21°40 | 0°34 | 6°53 | 7° 7 | 25°54 | 15° 9 | S 18 |
| S 19 | 20 6 44 | 0♌31'59 | 18° 1 | 22°46 | 17°47 | 25°28 | 16°32 | 10°52 | 0°43 | 21°42 | 0°36 | 6°54 | 7° 4 | 26° 0 | 15°13 | S 19 |
| M20 | 20 10 41 | 1°29'30 | 29°55 | 24°16 | 18°54 | 26° 2 | 16°44 | 10°50 | 0°47 | 21°43 | 0°38 | 6°54 | 7° 1 | 26° 7 | 15°18 | M20 |
| T 21 | 20 14 37 | 2°27'03 | 11♈58 | 25°44 | 20° 0 | 26°36 | 16°55 | 10°48 | 0°50 | 21°45 | 0°39 | 6°55 | 6°58 | 26°14 | 15°22 | T 21 |
| W22 | 20 18 34 | 3°24'37 | 24°13 | 27°11 | 21° 7 | 27°11 | 17° 7 | 10°46 | 0°54 | 21°46 | 0°41 | 6°55 | 6°54 | 26°20 | 15°26 | W22 |
| T 23 | 20 22 30 | 4°22'13 | 6♉45 | 28°36 | 22°14 | 27°45 | 17°18 | 10°44 | 0°57 | 21°48 | 0°43 | 6°R55 | 6°51 | 26°27 | 15°30 | T 23 |
| F 24 | 20 26 27 | 5°19'51 | 19°39 | 29°59 | 23°21 | 28°20 | 17°29 | 10°42 | 1° 0 | 21°50 | 0°45 | 6°55 | 6°48 | 26°34 | 15°34 | F 24 |
| S 25 | 20 30 24 | 6°17'30 | 2♊57 | 1♍21 | 24°29 | 28°55 | 17°41 | 10°41 | 1° 4 | 21°51 | 0°47 | 6°55 | 6°45 | 26°40 | 15°38 | S 25 |
| S 26 | 20 34 20 | 7°15'11 | 16°41 | 2°41 | 25°36 | 29°31 | 17°52 | 10°39 | 1° 7 | 21°53 | 0°49 | 6°D55 | 6°42 | 26°47 | 15°42 | S 26 |
| M27 | 20 38 17 | 8°12'53 | 0♋51 | 4° 0 | 26°44 | 0♏ 6 | 18° 3 | 10°38 | 1°11 | 21°55 | 0°50 | 6°55 | 6°38 | 26°54 | 15°45 | M27 |
| T 28 | 20 42 13 | 9°10'37 | 15°26 | 5°16 | 27°51 | 0°42 | 18°14 | 10°37 | 1°15 | 21°56 | 0°52 | 6°55 | 6°35 | 27° 0 | 15°49 | T 28 |
| W29 | 20 46 10 | 10° 8'22 | 0♌20 | 6°30 | 28°59 | 1°18 | 18°25 | 10°35 | 1°18 | 21°58 | 0°54 | 6°R55 | 6°32 | 27° 7 | 15°53 | W29 |
| T 30 | 20 50 6 | 11° 6'09 | 15°26 | 7°42 | 0♋ 7 | 1°54 | 18°36 | 10°34 | 1°22 | 22° 0 | 0°56 | 6°55 | 6°29 | 27°14 | 15°57 | T 30 |
| F 31 | 20 54 3 | 12♌ 3'58 | 0♍35 | 8♍53 | 1♋16 | 2♏30 | 18♊46 | 10♐33 | 1♍25 | 22♍ 2 | 0♌58 | 6♌55 | 6♌26 | 27♒20 | 16♊ 0 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n54 | 20n26 | 1s22 | 23n43 | 1n49 | 17n 2 | 2s57 | 7s 3 | 0s49 | 22n 1 | 0s27 | 20s57 | 1n23 | 12n18 | 0n44 | 4n49 | 1n28 | 27n 8 | 7n 4 | 18n38 | 18n22 | 14s56 | 18n56 | 3s41 |
| T 2 | 22 48 | 18 39 | 0 1 | 23 24 | 1 49 | 17 17 | 2 55 | 7 15 | 0 50 | 22 3 | 0 27 | 20 57 | 1 23 | 12 17 | 0 44 | 4 49 | 1 28 | 27 8 | 7 4 | 18 38 | 18 23 | 14 54 | 18 56 | 3 41 |
| F 3 | 22 42 | 15 37 | 1n20 | 23 3 | 1 49 | 17 32 | 2 54 | 7 28 | 0 51 | 22 4 | 0 27 | 20 56 | 1 22 | 12 16 | 0 44 | 4 48 | 1 28 | 27 8 | 7 4 | 18 38 | 18 23 | 14 53 | 18 57 | 3 42 |
| S 4 | 22 35 | 11 37 | 2 36 | 22 40 | 1 48 | 17 47 | 2 52 | 7 40 | 0 52 | 22 6 | 0 27 | 20 56 | 1 22 | 12 15 | 0 44 | 4 48 | 1 28 | 27 7 | 7 4 | 18 38 | 18 24 | 14 52 | 18 57 | 3 42 |
| S 5 | 22 28 | 6 59 | 3 39 | 22 15 | 1 47 | 18 2 | 2 50 | 7 53 | 0 53 | 22 8 | 0 27 | 20 56 | 1 22 | 12 14 | 0 44 | 4 47 | 1 28 | 27 7 | 7 4 | 18 37 | 18 25 | 14 50 | 18 57 | 3 42 |
| M 6 | 22 21 | 2 3 | 4 29 | 21 49 | 1 45 | 18 16 | 2 48 | 8 6 | 0 54 | 22 9 | 0 27 | 20 55 | 1 22 | 12 13 | 0 44 | 4 47 | 1 28 | 27 7 | 7 4 | 18 37 | 18 26 | 14 49 | 18 58 | 3 42 |
| T 7 | 22 13 | 2s52 | 5 1 | 21 21 | 1 42 | 18 30 | 2 45 | 8 18 | 0 55 | 22 11 | 0 27 | 20 55 | 1 22 | 12 12 | 0 44 | 4 46 | 1 28 | 27 6 | 7 4 | 18 37 | 18 27 | 14 47 | 18 58 | 3 43 |
| W 8 | 22 4 | 7 31 | 5 15 | 20 52 | 1 39 | 18 43 | 2 43 | 8 31 | 0 56 | 22 12 | 0 27 | 20 55 | 1 22 | 12 10 | 0 44 | 4 46 | 1 28 | 27 6 | 7 4 | 18 37 | 18 28 | 14 46 | 18 58 | 3 43 |
| T 9 | 21 56 | 11 43 | 5 12 | 20 22 | 1 36 | 18 56 | 2 41 | 8 44 | 0 57 | 22 14 | 0 27 | 20 55 | 1 21 | 12 9 | 0 44 | 4 45 | 1 28 | 27 5 | 7 4 | 18 37 | 18 28 | 14 44 | 18 58 | 3 43 |
| F 10 | 21 47 | 15 15 | 4 53 | 19 50 | 1 31 | 19 9 | 2 38 | 8 57 | 0 58 | 22 15 | 0 27 | 20 54 | 1 21 | 12 8 | 0 44 | 4 44 | 1 28 | 27 5 | 7 4 | 18 38 | 18 29 | 14 43 | 18 59 | 3 43 |
| S 11 | 21 37 | 18 1 | 4 20 | 19 18 | 1 27 | 19 22 | 2 36 | 9 10 | 0 59 | 22 17 | 0 27 | 20 54 | 1 21 | 12 7 | 0 44 | 4 44 | 1 28 | 27 5 | 7 4 | 18 38 | 18 30 | 14 41 | 18 59 | 3 44 |
| S 12 | 21 27 | 19 52 | 3 35 | 18 45 | 1 22 | 19 34 | 2 33 | 9 23 | 1 0 | 22 18 | 0 26 | 20 54 | 1 21 | 12 6 | 0 44 | 4 43 | 1 28 | 27 4 | 7 4 | 18 39 | 18 31 | 14 40 | 18 59 | 3 44 |
| M13 | 21 17 | 20 44 | 2 40 | 18 11 | 1 16 | 19 46 | 2 30 | 9 36 | 1 1 | 22 19 | 0 26 | 20 54 | 1 21 | 12 5 | 0 44 | 4 43 | 1 28 | 27 4 | 7 4 | 18 39 | 18 32 | 14 38 | 18 59 | 3 44 |
| T 14 | 21 7 | 20 37 | 1 39 | 17 36 | 1 10 | 19 57 | 2 28 | 9 50 | 1 2 | 22 21 | 0 26 | 20 54 | 1 21 | 12 4 | 0 44 | 4 42 | 1 28 | 27 4 | 7 4 | 18 39 | 18 32 | 14 37 | 19 0 | 3 44 |
| W15 | 20 56 | 19 34 | 0 34 | 17 0 | 1 4 | 20 8 | 2 25 | 10 3 | 1 3 | 22 22 | 0 26 | 20 54 | 1 20 | 12 2 | 0 44 | 4 42 | 1 28 | 27 3 | 7 4 | 18 40 | 18 33 | 14 36 | 19 0 | 3 45 |
| T 16 | 20 45 | 17 38 | 0s32 | 16 24 | 0 58 | 20 19 | 2 22 | 10 16 | 1 4 | 22 23 | 0 26 | 20 53 | 1 20 | 12 1 | 0 44 | 4 41 | 1 28 | 27 3 | 7 4 | 18 40 | 18 34 | 14 34 | 19 0 | 3 45 |
| F 17 | 20 33 | 14 58 | 1 36 | 15 48 | 0 51 | 20 29 | 2 19 | 10 29 | 1 5 | 22 25 | 0 26 | 20 53 | 1 20 | 12 0 | 0 44 | 4 40 | 1 28 | 27 3 | 7 4 | 18 39 | 18 35 | 14 33 | 19 0 | 3 45 |
| S 18 | 20 21 | 11 42 | 2 36 | 15 11 | 0 44 | 20 39 | 2 16 | 10 42 | 1 5 | 22 26 | 0 26 | 20 53 | 1 20 | 11 59 | 0 44 | 4 40 | 1 27 | 27 2 | 7 4 | 18 39 | 18 36 | 14 31 | 19 0 | 3 46 |
| S 19 | 20 9 | 7 58 | 3 29 | 14 34 | 0 36 | 20 48 | 2 13 | 10 56 | 1 6 | 22 27 | 0 26 | 20 53 | 1 20 | 11 58 | 0 44 | 4 39 | 1 27 | 27 2 | 7 4 | 18 39 | 18 37 | 14 30 | 19 0 | 3 46 |
| M20 | 19 56 | 3 55 | 4 14 | 13 57 | 0 28 | 20 57 | 2 10 | 11 9 | 1 7 | 22 28 | 0 26 | 20 53 | 1 19 | 11 56 | 0 44 | 4 38 | 1 27 | 27 2 | 7 5 | 18 39 | 18 37 | 14 28 | 19 1 | 3 46 |
| T 21 | 19 43 | 0n20 | 4 48 | 13 20 | 0 20 | 21 5 | 2 7 | 11 22 | 1 8 | 22 30 | 0 26 | 20 53 | 1 19 | 11 55 | 0 44 | 4 38 | 1 27 | 27 1 | 7 5 | 18 39 | 18 38 | 14 27 | 19 1 | 3 46 |
| W22 | 19 30 | 4 38 | 5 10 | 12 42 | 0 12 | 21 13 | 2 4 | 11 36 | 1 9 | 22 31 | 0 26 | 20 53 | 1 19 | 11 54 | 0 44 | 4 37 | 1 27 | 27 1 | 7 5 | 18 39 | 18 39 | 14 25 | 19 1 | 3 47 |
| T 23 | 19 16 | 8 50 | 5 18 | 12 5 | 0 3 | 21 20 | 2 0 | 11 49 | 1 10 | 22 32 | 0 26 | 20 53 | 1 19 | 11 53 | 0 44 | 4 36 | 1 27 | 27 1 | 7 5 | 18 39 | 18 40 | 14 24 | 19 1 | 3 47 |
| F 24 | 19 2 | 12 46 | 5 10 | 11 27 | 0s 5 | 21 27 | 1 57 | 12 2 | 1 10 | 22 33 | 0 26 | 20 53 | 1 19 | 11 51 | 0 44 | 4 36 | 1 27 | 27 0 | 7 5 | 18 39 | 18 41 | 14 22 | 19 1 | 3 47 |
| S 25 | 18 48 | 16 11 | 4 46 | 10 50 | 0 14 | 21 34 | 1 54 | 12 16 | 1 11 | 22 34 | 0 26 | 20 53 | 1 19 | 11 50 | 0 44 | 4 35 | 1 27 | 27 0 | 7 5 | 18 39 | 18 41 | 14 21 | 19 1 | 3 48 |
| S 26 | 18 34 | 18 51 | 4 5 | 10 12 | 0 23 | 21 40 | 1 50 | 12 29 | 1 12 | 22 35 | 0 26 | 20 53 | 1 18 | 11 49 | 0 44 | 4 34 | 1 27 | 27 0 | 7 5 | 18 39 | 18 42 | 14 19 | 19 1 | 3 48 |
| M27 | 18 19 | 20 27 | 3 7 | 9 35 | 0 33 | 21 45 | 1 47 | 12 42 | 1 13 | 22 36 | 0 26 | 20 53 | 1 18 | 11 48 | 0 44 | 4 34 | 1 27 | 26 59 | 7 5 | 18 39 | 18 43 | 14 18 | 19 1 | 3 48 |
| T 28 | 18 4 | 20 45 | 1 57 | 8 59 | 0 42 | 21 50 | 1 44 | 12 56 | 1 13 | 22 37 | 0 26 | 20 53 | 1 18 | 11 46 | 0 44 | 4 33 | 1 27 | 26 59 | 7 5 | 18 39 | 18 44 | 14 16 | 19 1 | 3 49 |
| W29 | 17 48 | 19 36 | 0 37 | 8 22 | 0 52 | 21 54 | 1 40 | 13 9 | 1 14 | 22 38 | 0 26 | 20 53 | 1 18 | 11 45 | 0 44 | 4 32 | 1 27 | 26 59 | 7 5 | 18 39 | 18 45 | 14 15 | 19 1 | 3 49 |
| T 30 | 17 32 | 17 3 | 0n47 | 7 47 | 1 1 | 21 58 | 1 37 | 13 22 | 1 15 | 22 39 | 0 26 | 20 53 | 1 18 | 11 44 | 0 44 | 4 31 | 1 27 | 26 58 | 7 5 | 18 39 | 18 45 | 14 13 | 19 2 | 3 49 |
| F 31 | 17n16 | 13n19 | 2n 8 | 7n11 | 1s11 | 22n 1 | 1s33 | 13s35 | 1s15 | 22n40 | 0s26 | 20s53 | 1n17 | 11n42 | 0n44 | 4n31 | 1n27 | 26n58 | 7n 6 | 18n39 | 18n46 | 14s11 | 19n 2 | 3s50 |

Julian Day Number = 2070783.5, Delta T = 28m08s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'41, Lahiri = 9°19'42 Julian Calendar 1 July 957 == Greg. Calendar 6 July 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## AUGUST 957 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 57 59 | 13♌ 1'47 | 15♍38 | 10♍ 1 | 2♋24 | 3♏ 7 | 18♊57 | 10°R32 | 1♍29 | 22♍ 4 | 0♌59 | 6°R55 | 6♌23 | 27♒27 | 16♊ 4 | S 1 |
| S 2 | 21 1 56 | 13°59'38 | 0♎26 | 11° 7 | 3°32 | 3°43 | 19° 7 | 10♐32 | 1°33 | 22° 5 | 1° 1 | 6♌54 | 6°19 | 27°34 | 16° 7 | S 2 |
| M 3 | 21 5 53 | 14°57'30 | 14°54 | 12°10 | 4°41 | 4°20 | 19°18 | 10°31 | 1°36 | 22° 7 | 1° 3 | 6°53 | 6°16 | 27°40 | 16°11 | M 3 |
| T 4 | 21 9 49 | 15°55'24 | 28°58 | 13°11 | 5°50 | 4°57 | 19°28 | 10°30 | 1°40 | 22° 9 | 1° 5 | 6°52 | 6°13 | 27°47 | 16°14 | T 4 |
| W 5 | 21 13 46 | 16°53'18 | 12♏36 | 14°10 | 6°59 | 5°34 | 19°38 | 10°30 | 1°44 | 22°11 | 1° 6 | 6°D52 | 6°10 | 27°54 | 16°17 | W 5 |
| T 6 | 21 17 42 | 17°51'14 | 25°50 | 15° 5 | 8° 8 | 6°12 | 19°49 | 10°29 | 1°47 | 22°13 | 1° 8 | 6°52 | 6° 7 | 28° 0 | 16°21 | T 6 |
| F 7 | 21 21 39 | 18°49'12 | 8♐43 | 15°58 | 9°17 | 6°49 | 19°59 | 10°29 | 1°51 | 22°15 | 1°10 | 6°53 | 6° 4 | 28° 7 | 16°24 | F 7 |
| S 8 | 21 25 35 | 19°47'11 | 21°16 | 16°48 | 10°26 | 7°27 | 20° 8 | 10°29 | 1°55 | 22°17 | 1°12 | 6°54 | 6° 0 | 28°14 | 16°27 | S 8 |
| S 9 | 21 29 32 | 20°45'11 | 3♑35 | 17°34 | 11°35 | 8° 5 | 20°18 | 10°28 | 1°58 | 22°19 | 1°13 | 6°55 | 5°57 | 28°20 | 16°30 | S 9 |
| M10 | 21 33 28 | 21°43'13 | 15°42 | 18°17 | 12°45 | 8°43 | 20°28 | 10°D28 | 2° 2 | 22°21 | 1°15 | 6°56 | 5°54 | 28°27 | 16°33 | M10 |
| T 11 | 21 37 25 | 22°41'16 | 27°40 | 18°56 | 13°54 | 9°21 | 20°37 | 10°28 | 2° 6 | 22°23 | 1°17 | 6°57 | 5°51 | 28°34 | 16°36 | T 11 |
| W12 | 21 41 22 | 23°39'21 | 9♒32 | 19°31 | 15° 4 | 9°59 | 20°47 | 10°29 | 2° 9 | 22°25 | 1°19 | 6°R57 | 5°48 | 28°40 | 16°39 | W12 |
| T 13 | 21 45 18 | 24°37'27 | 21°21 | 20° 2 | 16°14 | 10°38 | 20°56 | 10°29 | 2°13 | 22°27 | 1°20 | 6°56 | 5°44 | 28°47 | 16°42 | T 13 |
| F 14 | 21 49 15 | 25°35'36 | 3♓10 | 20°29 | 17°24 | 11°16 | 21° 6 | 10°29 | 2°17 | 22°29 | 1°22 | 6°55 | 5°41 | 28°54 | 16°45 | F 14 |
| S 15 | 21 53 11 | 26°33'46 | 14°59 | 20°51 | 18°34 | 11°55 | 21°15 | 10°30 | 2°21 | 22°31 | 1°24 | 6°52 | 5°38 | 29° 0 | 16°48 | S 15 |
| S 16 | 21 57 8 | 27°31'57 | 26°52 | 21° 7 | 19°44 | 12°34 | 21°24 | 10°30 | 2°24 | 22°33 | 1°25 | 6°49 | 5°35 | 29° 7 | 16°50 | S 16 |
| M17 | 22 1 4 | 28°30'11 | 8♈51 | 21°18 | 20°55 | 13°13 | 21°33 | 10°31 | 2°28 | 22°35 | 1°27 | 6°46 | 5°32 | 29°13 | 16°53 | M17 |
| T 18 | 22 5 1 | 29°28'27 | 20°58 | 21°R24 | 22° 5 | 13°52 | 21°41 | 10°31 | 2°32 | 22°37 | 1°29 | 6°42 | 5°29 | 29°20 | 16°55 | T 18 |
| W19 | 22 8 57 | 0♍26'45 | 3♉16 | 21°24 | 23°16 | 14°32 | 21°50 | 10°32 | 2°36 | 22°39 | 1°30 | 6°39 | 5°25 | 29°27 | 16°58 | W19 |
| T 20 | 22 12 54 | 1°25'05 | 15°48 | 21°17 | 24°26 | 15°11 | 21°58 | 10°33 | 2°40 | 22°41 | 1°32 | 6°37 | 5°22 | 29°33 | 17° 0 | T 20 |
| F 21 | 22 16 51 | 2°23'27 | 28°38 | 21° 4 | 25°37 | 15°51 | 22° 7 | 10°34 | 2°43 | 22°43 | 1°33 | 6°D37 | 5°19 | 29°40 | 17° 3 | F 21 |
| S 22 | 22 20 47 | 3°21'51 | 11♊49 | 20°44 | 26°48 | 16°30 | 22°15 | 10°35 | 2°47 | 22°45 | 1°35 | 6°37 | 5°16 | 29°47 | 17° 5 | S 22 |
| S 23 | 22 24 44 | 4°20'18 | 25°24 | 20°17 | 27°59 | 17°10 | 22°23 | 10°37 | 2°51 | 22°48 | 1°37 | 6°38 | 5°13 | 29°53 | 17° 7 | S 23 |
| M24 | 22 28 40 | 5°18'47 | 9♋24 | 19°44 | 29°10 | 17°50 | 22°31 | 10°38 | 2°55 | 22°50 | 1°38 | 6°39 | 5°10 | 0♓ 0 | 17° 9 | M24 |
| T 25 | 22 32 37 | 6°17'18 | 23°49 | 19° 5 | 0♌21 | 18°30 | 22°39 | 10°39 | 2°58 | 22°52 | 1°40 | 6°41 | 5° 6 | 0° 7 | 17°11 | T 25 |
| W26 | 22 36 33 | 7°15'51 | 8♌36 | 18°19 | 1°32 | 19°11 | 22°47 | 10°41 | 3° 2 | 22°54 | 1°41 | 6°R41 | 5° 3 | 0°13 | 17°13 | W26 |
| T 27 | 22 40 30 | 8°14'26 | 23°40 | 17°27 | 2°44 | 19°51 | 22°54 | 10°42 | 3° 6 | 22°56 | 1°43 | 6°40 | 5° 0 | 0°20 | 17°15 | T 27 |
| F 28 | 22 44 26 | 9°13'03 | 8♍53 | 16°31 | 3°55 | 20°32 | 23° 2 | 10°44 | 3°10 | 22°58 | 1°44 | 6°38 | 4°57 | 0°27 | 17°17 | F 28 |
| S 29 | 22 48 23 | 10°11'42 | 24° 4 | 15°30 | 5° 7 | 21°12 | 23° 9 | 10°46 | 3°13 | 23° 1 | 1°46 | 6°34 | 4°54 | 0°33 | 17°19 | S 29 |
| S 30 | 22 52 19 | 11°10'24 | 9♎ 5 | 14°27 | 6°18 | 21°53 | 23°16 | 10°48 | 3°17 | 23° 3 | 1°47 | 6°29 | 4°50 | 0°40 | 17°21 | S 30 |
| M31 | 22 56 16 | 12♍ 9'06 | 23♎45 | 13♍23 | 7♌30 | 22♏34 | 23♊23 | 10♐50 | 3♍21 | 23♍ 5 | 1♌49 | 6♌23 | 4♌47 | 0♓47 | 17♊22 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 17n 0 | 8n45 | 3n19 | 6n36 | 1s21 | 22n 3 | 1s30 | 13s49 | 1s16 | 22n41 | 0s25 | 20s53 | 1n17 | 11n41 | 0n44 | 4n30 | 1n27 | 26n58 | 7n 6 | 18n39 | 18n47 | 14s10 | 19n 2 | 3s50 | S 1 |
| S 2 | 16 43 | 3 44 | 4 16 | 6 2 | 1 31 | 22 5 | 1 26 | 14 2 | 1 17 | 22 42 | 0 25 | 20 53 | 1 17 | 11 40 | 0 44 | 4 29 | 1 27 | 26 57 | 7 6 | 18 39 | 18 48 | 14 8 | 19 2 | 3 50 | S 2 |
| M 3 | 16 26 | 1s23 | 4 54 | 5 29 | 1 41 | 22 7 | 1 23 | 14 15 | 1 17 | 22 43 | 0 25 | 20 53 | 1 17 | 11 39 | 0 44 | 4 28 | 1 27 | 26 57 | 7 6 | 18 39 | 18 49 | 14 7 | 19 2 | 3 51 | M 3 |
| T 4 | 16 9 | 6 16 | 5 14 | 4 56 | 1 51 | 22 8 | 1 19 | 14 28 | 1 18 | 22 44 | 0 25 | 20 53 | 1 17 | 11 37 | 0 44 | 4 28 | 1 27 | 26 57 | 7 6 | 18 39 | 18 49 | 14 5 | 19 2 | 3 51 | T 4 |
| W 5 | 15 52 | 10 41 | 5 16 | 4 24 | 2 1 | 22 8 | 1 15 | 14 41 | 1 19 | 22 45 | 0 25 | 20 53 | 1 16 | 11 36 | 0 44 | 4 27 | 1 27 | 26 57 | 7 6 | 18 40 | 18 50 | 14 4 | 19 2 | 3 51 | W 5 |
| T 6 | 15 34 | 14 28 | 5 0 | 3 54 | 2 11 | 22 8 | 1 12 | 14 54 | 1 19 | 22 46 | 0 25 | 20 53 | 1 16 | 11 35 | 0 44 | 4 26 | 1 27 | 26 56 | 7 6 | 18 40 | 18 51 | 14 2 | 19 2 | 3 52 | T 6 |
| F 7 | 15 16 | 17 26 | 4 30 | 3 24 | 2 21 | 22 7 | 1 8 | 15 7 | 1 20 | 22 46 | 0 25 | 20 53 | 1 16 | 11 33 | 0 44 | 4 25 | 1 27 | 26 56 | 7 6 | 18 39 | 18 52 | 14 1 | 19 2 | 3 52 | F 7 |
| S 8 | 14 58 | 19 30 | 3 47 | 2 56 | 2 31 | 22 5 | 1 5 | 15 20 | 1 21 | 22 47 | 0 25 | 20 54 | 1 16 | 11 32 | 0 44 | 4 25 | 1 27 | 26 56 | 7 6 | 18 39 | 18 53 | 13 59 | 19 2 | 3 52 | S 8 |
| S 9 | 14 39 | 20 37 | 2 55 | 2 28 | 2 41 | 22 3 | 1 1 | 15 33 | 1 21 | 22 48 | 0 25 | 20 54 | 1 16 | 11 31 | 0 44 | 4 24 | 1 27 | 26 55 | 7 7 | 18 39 | 18 53 | 13 57 | 19 1 | 3 53 | S 9 |
| M10 | 14 21 | 20 44 | 1 55 | 2 3 | 2 50 | 22 0 | 0 57 | 15 46 | 1 22 | 22 49 | 0 25 | 20 54 | 1 15 | 11 29 | 0 44 | 4 23 | 1 27 | 26 55 | 7 7 | 18 39 | 18 54 | 13 56 | 19 1 | 3 53 | M10 |
| T 11 | 14 2 | 19 54 | 0 51 | 1 39 | 3 0 | 21 57 | 0 54 | 15 59 | 1 22 | 22 49 | 0 25 | 20 54 | 1 15 | 11 28 | 0 44 | 4 22 | 1 27 | 26 55 | 7 7 | 18 38 | 18 55 | 13 54 | 19 1 | 3 53 | T 11 |
| W12 | 13 43 | 18 12 | 0s14 | 1 17 | 3 9 | 21 53 | 0 50 | 16 12 | 1 23 | 22 50 | 0 25 | 20 54 | 1 15 | 11 26 | 0 44 | 4 21 | 1 27 | 26 55 | 7 7 | 18 38 | 18 56 | 13 53 | 19 1 | 3 54 | W12 |
| T 13 | 13 23 | 15 42 | 1 19 | 0 56 | 3 18 | 21 49 | 0 46 | 16 25 | 1 23 | 22 51 | 0 25 | 20 55 | 1 15 | 11 25 | 0 44 | 4 21 | 1 27 | 26 54 | 7 7 | 18 38 | 18 56 | 13 51 | 19 1 | 3 54 | T 13 |
| F 14 | 13 4 | 12 34 | 2 20 | 0 38 | 3 26 | 21 44 | 0 43 | 16 37 | 1 24 | 22 51 | 0 25 | 20 55 | 1 15 | 11 24 | 0 44 | 4 20 | 1 27 | 26 54 | 7 7 | 18 39 | 18 57 | 13 50 | 19 1 | 3 55 | F 14 |
| S 15 | 12 44 | 8 56 | 3 15 | 0 22 | 3 34 | 21 38 | 0 39 | 16 50 | 1 24 | 22 52 | 0 25 | 20 55 | 1 14 | 11 22 | 0 44 | 4 19 | 1 27 | 26 54 | 7 7 | 18 39 | 18 58 | 13 48 | 19 1 | 3 55 | S 15 |
| S 16 | 12 24 | 4 57 | 4 2 | 0 9 | 3 41 | 21 31 | 0 36 | 17 2 | 1 25 | 22 53 | 0 25 | 20 55 | 1 14 | 11 21 | 0 44 | 4 18 | 1 27 | 26 54 | 7 8 | 18 40 | 18 59 | 13 46 | 19 1 | 3 55 | S 16 |
| M17 | 12 4 | 0 44 | 4 38 | 0s 2 | 3 48 | 21 25 | 0 32 | 17 15 | 1 25 | 22 53 | 0 25 | 20 56 | 1 14 | 11 20 | 0 44 | 4 17 | 1 27 | 26 53 | 7 8 | 18 41 | 19 0 | 13 45 | 19 1 | 3 56 | M17 |
| T 18 | 11 43 | 3n33 | 5 3 | 0 10 | 3 55 | 21 17 | 0 29 | 17 27 | 1 26 | 22 54 | 0 25 | 20 56 | 1 14 | 11 18 | 0 44 | 4 16 | 1 27 | 26 53 | 7 8 | 18 42 | 19 0 | 13 43 | 19 1 | 3 56 | T 18 |
| W19 | 11 23 | 7 45 | 5 14 | 0 14 | 4 0 | 21 9 | 0 25 | 17 39 | 1 26 | 22 55 | 0 25 | 20 56 | 1 14 | 11 17 | 0 44 | 4 16 | 1 27 | 26 53 | 7 8 | 18 43 | 19 1 | 13 42 | 19 0 | 3 57 | W19 |
| T 20 | 11 2 | 11 42 | 5 11 | 0 16 | 4 4 | 21 0 | 0 21 | 17 52 | 1 27 | 22 55 | 0 25 | 20 56 | 1 14 | 11 16 | 0 44 | 4 15 | 1 27 | 26 53 | 7 8 | 18 43 | 19 2 | 13 40 | 19 0 | 3 57 | T 20 |
| F 21 | 10 41 | 15 13 | 4 52 | 0 14 | 4 8 | 20 51 | 0 18 | 18 4 | 1 27 | 22 56 | 0 25 | 20 57 | 1 13 | 11 14 | 0 44 | 4 14 | 1 27 | 26 53 | 7 8 | 18 43 | 19 3 | 13 38 | 19 0 | 3 57 | F 21 |
| S 22 | 10 20 | 18 5 | 4 17 | 0 8 | 4 10 | 20 41 | 0 14 | 18 16 | 1 28 | 22 56 | 0 25 | 20 57 | 1 13 | 11 13 | 0 44 | 4 13 | 1 27 | 26 52 | 7 9 | 18 43 | 19 3 | 13 37 | 19 0 | 3 58 | S 22 |
| S 23 | 9 58 | 20 2 | 3 28 | 0n 2 | 4 10 | 20 30 | 0 11 | 18 28 | 1 28 | 22 57 | 0 24 | 20 58 | 1 13 | 11 12 | 0 44 | 4 12 | 1 27 | 26 52 | 7 9 | 18 43 | 19 4 | 13 35 | 19 0 | 3 58 | S 23 |
| M24 | 9 37 | 20 50 | 2 24 | 0 16 | 4 10 | 20 19 | 0 8 | 18 39 | 1 28 | 22 57 | 0 24 | 20 58 | 1 13 | 11 10 | 0 44 | 4 11 | 1 27 | 26 52 | 7 9 | 18 43 | 19 5 | 13 34 | 19 0 | 3 58 | M24 |
| T 25 | 9 15 | 20 19 | 1 10 | 0 33 | 4 7 | 20 7 | 0 4 | 18 51 | 1 29 | 22 58 | 0 24 | 20 58 | 1 13 | 11 9 | 0 44 | 4 10 | 1 27 | 26 52 | 7 9 | 18 42 | 19 6 | 13 32 | 18 59 | 3 59 | T 25 |
| W26 | 8 53 | 18 23 | 0n11 | 0 55 | 4 3 | 19 55 | 0 1 | 19 3 | 1 29 | 22 58 | 0 24 | 20 59 | 1 12 | 11 7 | 0 44 | 4 10 | 1 27 | 26 52 | 7 9 | 18 42 | 19 7 | 13 30 | 18 59 | 3 59 | W26 |
| T 27 | 8 32 | 15 9 | 1 32 | 1 21 | 3 57 | 19 42 | 0n 3 | 19 14 | 1 29 | 22 59 | 0 24 | 20 59 | 1 12 | 11 6 | 0 44 | 4 9 | 1 27 | 26 51 | 7 10 | 18 43 | 19 7 | 13 29 | 18 59 | 4 0 | T 27 |
| F 28 | 8 9 | 10 52 | 2 47 | 1 50 | 3 49 | 19 29 | 0 6 | 19 25 | 1 30 | 22 59 | 0 24 | 21 0 | 1 12 | 11 5 | 0 44 | 4 8 | 1 27 | 26 51 | 7 10 | 18 43 | 19 8 | 13 27 | 18 59 | 4 0 | F 28 |
| S 29 | 7 47 | 5 53 | 3 50 | 2 23 | 3 39 | 19 15 | 0 9 | 19 37 | 1 30 | 22 59 | 0 24 | 21 0 | 1 12 | 11 3 | 0 44 | 4 7 | 1 27 | 26 51 | 7 10 | 18 44 | 19 9 | 13 25 | 18 58 | 4 1 | S 29 |
| S 30 | 7 25 | 0 37 | 4 37 | 2 58 | 3 27 | 19 0 | 0 12 | 19 48 | 1 30 | 23 0 | 0 24 | 21 0 | 1 12 | 11 2 | 0 44 | 4 6 | 1 27 | 26 51 | 7 10 | 18 45 | 19 10 | 13 24 | 18 58 | 4 1 | S 30 |
| M31 | 7n 2 | 4s34 | 5n 4 | 3n36 | 3s13 | 18n45 | 0n15 | 19s59 | 1s31 | 23n 0 | 0s24 | 21s 1 | 1n11 | 11n 1 | 0n44 | 4n 5 | 1n27 | 26n51 | 7n10 | 18n47 | 19n10 | 13s22 | 18n58 | 4s 1 | M31 |

Julian Day Number = 2070814.5, Delta T = 28m08s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'46, Lahiri = 9°19'46 Julian Calendar 1 Aug. 957 == Greg. Calendar 6 Aug. 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## SEPTEMBER 957 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 0 13 | 13♍ 7'51 | 8♏ 0 | 12°R18 | 8♌42 | 23♏15 | 23♊30 | 10♐52 | 3♍25 | 23♍ 7 | 1♌50 | 6°R19 | 4♌44 | 0♓53 | 17♊24 | T 1 |
| W 2 | 23 4 9 | 14° 6'38 | 21°47 | 11♍16 | 9°54 | 23°57 | 23°37 | 10°54 | 3°28 | 23° 9 | 1°52 | 6♌15 | 4°41 | 1° 0 | 17°25 | W 2 |
| T 3 | 23 8 6 | 15° 5'26 | 5♐ 5 | 10°16 | 11° 6 | 24°38 | 23°43 | 10°56 | 3°32 | 23°12 | 1°53 | 6°13 | 4°38 | 1° 7 | 17°27 | T 3 |
| F 4 | 23 12 2 | 16° 4'16 | 17°57 | 9°21 | 12°18 | 25°19 | 23°50 | 10°58 | 3°36 | 23°14 | 1°54 | 6°D13 | 4°35 | 1°13 | 17°28 | F 4 |
| S 5 | 23 15 59 | 17° 3'08 | 0♑27 | 8°33 | 13°30 | 26° 1 | 23°56 | 11° 1 | 3°39 | 23°16 | 1°56 | 6°13 | 4°31 | 1°20 | 17°29 | S 5 |
| S 6 | 23 19 55 | 18° 2'02 | 12°40 | 7°52 | 14°42 | 26°42 | 24° 2 | 11° 3 | 3°43 | 23°18 | 1°57 | 6°15 | 4°28 | 1°27 | 17°31 | S 6 |
| M 7 | 23 23 52 | 19° 0'58 | 24°40 | 7°20 | 15°55 | 27°24 | 24° 8 | 11° 6 | 3°47 | 23°20 | 1°58 | 6°16 | 4°25 | 1°33 | 17°32 | M 7 |
| T 8 | 23 27 48 | 19°59'55 | 6♒32 | 6°58 | 17° 7 | 28° 6 | 24°14 | 11° 9 | 3°51 | 23°23 | 2° 0 | 6°R17 | 4°22 | 1°40 | 17°33 | T 8 |
| W 9 | 23 31 45 | 20°58'54 | 18°21 | 6°45 | 18°20 | 28°48 | 24°19 | 11°12 | 3°54 | 23°25 | 2° 1 | 6°16 | 4°19 | 1°47 | 17°34 | W 9 |
| T 10 | 23 35 42 | 21°57'55 | 0♓ 8 | 6°D43 | 19°32 | 29°30 | 24°25 | 11°14 | 3°58 | 23°27 | 2° 2 | 6°13 | 4°15 | 1°53 | 17°35 | T 10 |
| F 11 | 23 39 38 | 22°56'58 | 11°58 | 6°51 | 20°45 | 0♐12 | 24°30 | 11°17 | 4° 1 | 23°29 | 2° 4 | 6° 8 | 4°12 | 2° 0 | 17°36 | F 11 |
| S 12 | 23 43 35 | 23°56'03 | 23°53 | 7°10 | 21°58 | 0°55 | 24°35 | 11°20 | 4° 5 | 23°32 | 2° 5 | 6° 1 | 4° 9 | 2° 7 | 17°36 | S 12 |
| S 13 | 23 47 31 | 24°55'10 | 5♈54 | 7°38 | 23°10 | 1°37 | 24°40 | 11°24 | 4° 9 | 23°34 | 2° 6 | 5°52 | 4° 6 | 2°13 | 17°37 | S 13 |
| M14 | 23 51 28 | 25°54'20 | 18° 3 | 8°16 | 24°23 | 2°20 | 24°45 | 11°27 | 4°12 | 23°36 | 2° 7 | 5°43 | 4° 3 | 2°20 | 17°37 | M14 |
| T 15 | 23 55 24 | 26°53'31 | 0♉20 | 9° 2 | 25°36 | 3° 2 | 24°49 | 11°30 | 4°16 | 23°38 | 2° 8 | 5°33 | 4° 0 | 2°27 | 17°38 | T 15 |
| W16 | 23 59 21 | 27°52'45 | 12°48 | 9°57 | 26°49 | 3°45 | 24°54 | 11°34 | 4°19 | 23°41 | 2°10 | 5°25 | 3°56 | 2°33 | 17°38 | W16 |
| T 17 | 0 3 17 | 28°52'01 | 25°28 | 10°59 | 28° 2 | 4°28 | 24°58 | 11°37 | 4°23 | 23°43 | 2°11 | 5°18 | 3°53 | 2°40 | 17°39 | T 17 |
| F 18 | 0 7 14 | 29°51'20 | 8♊21 | 12° 7 | 29°16 | 5°11 | 25° 2 | 11°41 | 4°26 | 23°45 | 2°12 | 5°13 | 3°50 | 2°47 | 17°39 | F 18 |
| S 19 | 0 11 11 | 0♎50'40 | 21°30 | 13°22 | 0♍29 | 5°54 | 25° 6 | 11°44 | 4°30 | 23°47 | 2°13 | 5°11 | 3°47 | 2°53 | 17°39 | S 19 |
| S 20 | 0 15 7 | 1°50'04 | 4♋58 | 14°41 | 1°42 | 6°37 | 25° 9 | 11°48 | 4°33 | 23°49 | 2°14 | 5°D11 | 3°44 | 3° 0 | 17°39 | S 20 |
| M21 | 0 19 4 | 2°49'29 | 18°46 | 16° 5 | 2°56 | 7°20 | 25°13 | 11°52 | 4°37 | 23°52 | 2°15 | 5°11 | 3°41 | 3° 7 | 17°R39 | M21 |
| T 22 | 0 23 0 | 3°48'58 | 2♌55 | 17°33 | 4° 9 | 8° 3 | 25°16 | 11°56 | 4°40 | 23°54 | 2°16 | 5°R12 | 3°37 | 3°13 | 17°39 | T 22 |
| W23 | 0 26 57 | 4°48'28 | 17°25 | 19° 4 | 5°23 | 8°46 | 25°19 | 12° 0 | 4°44 | 23°56 | 2°17 | 5°11 | 3°34 | 3°20 | 17°39 | W23 |
| T 24 | 0 30 53 | 5°48'01 | 2♍13 | 20°38 | 6°36 | 9°30 | 25°22 | 12° 4 | 4°47 | 23°58 | 2°18 | 5° 9 | 3°31 | 3°27 | 17°39 | T 24 |
| F 25 | 0 34 50 | 6°47'35 | 17°12 | 22°13 | 7°50 | 10°13 | 25°25 | 12° 8 | 4°50 | 24° 0 | 2°19 | 5° 3 | 3°28 | 3°33 | 17°39 | F 25 |
| S 26 | 0 38 46 | 7°47'12 | 2♎16 | 23°51 | 9° 4 | 10°57 | 25°28 | 12°12 | 4°54 | 24° 3 | 2°20 | 4°56 | 3°25 | 3°40 | 17°38 | S 26 |
| S 27 | 0 42 43 | 8°46'52 | 17°13 | 25°30 | 10°17 | 11°41 | 25°30 | 12°16 | 4°57 | 24° 5 | 2°21 | 4°46 | 3°21 | 3°47 | 17°38 | S 27 |
| M28 | 0 46 39 | 9°46'33 | 1♏56 | 27°10 | 11°31 | 12°25 | 25°32 | 12°21 | 5° 0 | 24° 7 | 2°22 | 4°36 | 3°18 | 3°53 | 17°37 | M28 |
| T 29 | 0 50 36 | 10°46'16 | 16°16 | 28°51 | 12°45 | 13° 8 | 25°34 | 12°25 | 5° 3 | 24° 9 | 2°23 | 4°26 | 3°15 | 4° 0 | 17°37 | T 29 |
| W30 | 0 54 33 | 11♎46'01 | 0♐ 8 | 0♎32 | 13♍59 | 13♐52 | 25♊36 | 12♐30 | 5♍ 7 | 24♍11 | 2♌23 | 4♌18 | 3♌12 | 4♓ 7 | 17♊36 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n40 | 9s20 | 5n11 | 4n15 | 2s58 | 18n29 | 0n19 | 20s10 | 1s31 | 23n 1 | 0s24 | 21s 1 | 1n11 | 10n59 | 0n44 | 4n 4 | 1n27 | 26n51 | 7n11 | 18n48 | 19n11 | 13s21 | 18n58 | 4s 2 |
| W 2 | 6 17 | 13 28 | 5 0 | 4 54 | 2 41 | 18 13 | 0 22 | 20 20 | 1 31 | 23 1 | 0 24 | 21 2 | 1 11 | 10 58 | 0 44 | 4 3 | 1 27 | 26 51 | 7 11 | 18 49 | 19 12 | 13 19 | 18 57 | 4 2 |
| T 3 | 5 54 | 16 47 | 4 33 | 5 34 | 2 23 | 17 56 | 0 25 | 20 31 | 1 32 | 23 1 | 0 24 | 21 2 | 1 11 | 10 57 | 0 44 | 4 3 | 1 27 | 26 50 | 7 11 | 18 49 | 19 13 | 13 17 | 18 57 | 4 3 |
| F 4 | 5 31 | 19 9 | 3 53 | 6 12 | 2 4 | 17 39 | 0 28 | 20 41 | 1 32 | 23 2 | 0 24 | 21 3 | 1 11 | 10 55 | 0 44 | 4 2 | 1 27 | 26 50 | 7 11 | 18 49 | 19 14 | 13 16 | 18 57 | 4 3 |
| S 5 | 5 8 | 20 32 | 3 2 | 6 48 | 1 44 | 17 21 | 0 31 | 20 51 | 1 32 | 23 2 | 0 24 | 21 3 | 1 10 | 10 54 | 0 44 | 4 1 | 1 27 | 26 50 | 7 11 | 18 49 | 19 14 | 13 14 | 18 56 | 4 3 |
| S 6 | 4 45 | 20 54 | 2 5 | 7 22 | 1 24 | 17 3 | 0 34 | 21 2 | 1 32 | 23 2 | 0 24 | 21 4 | 1 10 | 10 53 | 0 44 | 4 0 | 1 27 | 26 50 | 7 12 | 18 49 | 19 15 | 13 12 | 18 56 | 4 4 |
| M 7 | 4 22 | 20 17 | 1 3 | 7 53 | 1 4 | 16 44 | 0 36 | 21 12 | 1 33 | 23 3 | 0 24 | 21 4 | 1 10 | 10 51 | 0 44 | 3 59 | 1 27 | 26 50 | 7 12 | 18 49 | 19 16 | 13 11 | 18 56 | 4 4 |
| T 8 | 3 59 | 18 46 | 0s 1 | 8 19 | 0 44 | 16 25 | 0 39 | 21 21 | 1 33 | 23 3 | 0 24 | 21 5 | 1 10 | 10 50 | 0 44 | 3 58 | 1 27 | 26 50 | 7 12 | 18 48 | 19 17 | 13 9 | 18 55 | 4 5 |
| W 9 | 3 36 | 16 27 | 1 5 | 8 42 | 0 25 | 16 5 | 0 42 | 21 31 | 1 33 | 23 3 | 0 24 | 21 6 | 1 10 | 10 49 | 0 44 | 3 57 | 1 27 | 26 50 | 7 12 | 18 49 | 19 17 | 13 7 | 18 55 | 4 5 |
| T 10 | 3 12 | 13 26 | 2 6 | 9 0 | 0 6 | 15 45 | 0 45 | 21 41 | 1 33 | 23 4 | 0 24 | 21 6 | 1 10 | 10 47 | 0 44 | 3 56 | 1 27 | 26 50 | 7 12 | 18 49 | 19 18 | 13 6 | 18 55 | 4 6 |
| F 11 | 2 49 | 9 53 | 3 1 | 9 13 | 0n11 | 15 24 | 0 47 | 21 50 | 1 34 | 23 4 | 0 24 | 21 7 | 1 9 | 10 46 | 0 44 | 3 56 | 1 27 | 26 50 | 7 13 | 18 51 | 19 19 | 13 4 | 18 54 | 4 6 |
| S 12 | 2 25 | 5 56 | 3 48 | 9 21 | 0 27 | 15 3 | 0 50 | 21 59 | 1 34 | 23 4 | 0 24 | 21 7 | 1 9 | 10 45 | 0 44 | 3 55 | 1 27 | 26 50 | 7 13 | 18 52 | 19 20 | 13 2 | 18 54 | 4 6 |
| S 13 | 2 2 | 1 43 | 4 26 | 9 24 | 0 42 | 14 42 | 0 52 | 22 8 | 1 34 | 23 4 | 0 24 | 21 8 | 1 9 | 10 43 | 0 44 | 3 54 | 1 27 | 26 49 | 7 13 | 18 55 | 19 20 | 13 0 | 18 54 | 4 7 |
| M14 | 1 38 | 2n37 | 4 52 | 9 22 | 0 55 | 14 20 | 0 55 | 22 17 | 1 34 | 23 5 | 0 24 | 21 9 | 1 9 | 10 42 | 0 44 | 3 53 | 1 27 | 26 49 | 7 13 | 18 57 | 19 21 | 12 59 | 18 53 | 4 7 |
| T 15 | 1 15 | 6 53 | 5 5 | 9 16 | 1 7 | 13 57 | 0 57 | 22 25 | 1 34 | 23 5 | 0 23 | 21 9 | 1 9 | 10 41 | 0 44 | 3 52 | 1 27 | 26 49 | 7 14 | 18 59 | 19 22 | 12 57 | 18 53 | 4 8 |
| W16 | 0 51 | 10 56 | 5 4 | 9 5 | 1 18 | 13 34 | 1 0 | 22 34 | 1 34 | 23 5 | 0 23 | 21 10 | 1 9 | 10 39 | 0 44 | 3 51 | 1 27 | 26 49 | 7 14 | 19 1 | 19 23 | 12 55 | 18 53 | 4 8 |
| T 17 | 0 27 | 14 34 | 4 48 | 8 50 | 1 27 | 13 11 | 1 2 | 22 42 | 1 35 | 23 5 | 0 23 | 21 10 | 1 8 | 10 38 | 0 44 | 3 50 | 1 27 | 26 49 | 7 14 | 19 3 | 19 23 | 12 54 | 18 52 | 4 9 |
| F 18 | 0 3 | 17 35 | 4 17 | 8 31 | 1 35 | 12 48 | 1 4 | 22 50 | 1 35 | 23 5 | 0 23 | 21 11 | 1 8 | 10 37 | 0 44 | 3 49 | 1 27 | 26 49 | 7 14 | 19 4 | 19 24 | 12 52 | 18 52 | 4 9 |
| S 19 | 0s20 | 19 46 | 3 32 | 8 9 | 1 42 | 12 24 | 1 6 | 22 58 | 1 35 | 23 6 | 0 23 | 21 12 | 1 8 | 10 36 | 0 44 | 3 49 | 1 27 | 26 49 | 7 15 | 19 5 | 19 25 | 12 50 | 18 51 | 4 9 |
| S 20 | 0 44 | 20 54 | 2 35 | 7 43 | 1 48 | 11 59 | 1 8 | 23 5 | 1 35 | 23 6 | 0 23 | 21 12 | 1 8 | 10 34 | 0 44 | 3 48 | 1 27 | 26 49 | 7 15 | 19 5 | 19 26 | 12 49 | 18 51 | 4 10 |
| M21 | 1 8 | 20 49 | 1 27 | 7 14 | 1 52 | 11 35 | 1 10 | 23 13 | 1 35 | 23 6 | 0 23 | 21 13 | 1 8 | 10 33 | 0 44 | 3 47 | 1 27 | 26 49 | 7 15 | 19 5 | 19 26 | 12 47 | 18 51 | 4 10 |
| T 22 | 1 32 | 19 25 | 0 12 | 6 43 | 1 55 | 11 10 | 1 12 | 23 20 | 1 35 | 23 6 | 0 23 | 21 14 | 1 7 | 10 32 | 0 44 | 3 46 | 1 27 | 26 49 | 7 15 | 19 4 | 19 27 | 12 45 | 18 50 | 4 11 |
| W23 | 1 55 | 16 44 | 1n 5 | 6 9 | 1 57 | 10 44 | 1 14 | 23 27 | 1 35 | 23 6 | 0 23 | 21 15 | 1 7 | 10 31 | 0 44 | 3 45 | 1 27 | 26 49 | 7 16 | 19 5 | 19 28 | 12 43 | 18 50 | 4 11 |
| T 24 | 2 19 | 12 54 | 2 19 | 5 33 | 1 59 | 10 19 | 1 16 | 23 34 | 1 35 | 23 6 | 0 23 | 21 15 | 1 7 | 10 29 | 0 44 | 3 44 | 1 27 | 26 49 | 7 16 | 19 5 | 19 29 | 12 42 | 18 49 | 4 12 |
| F 25 | 2 43 | 8 13 | 3 25 | 4 55 | 1 59 | 9 53 | 1 18 | 23 41 | 1 35 | 23 7 | 0 23 | 21 16 | 1 7 | 10 28 | 0 44 | 3 43 | 1 27 | 26 49 | 7 16 | 19 7 | 19 29 | 12 40 | 18 49 | 4 12 |
| S 26 | 3 6 | 3 0 | 4 16 | 4 16 | 1 59 | 9 26 | 1 19 | 23 47 | 1 35 | 23 7 | 0 23 | 21 17 | 1 7 | 10 27 | 0 44 | 3 42 | 1 27 | 26 49 | 7 16 | 19 8 | 19 30 | 12 38 | 18 48 | 4 12 |
| S 27 | 3 30 | 2s21 | 4 49 | 3 36 | 1 58 | 9 0 | 1 21 | 23 53 | 1 35 | 23 7 | 0 23 | 21 17 | 1 7 | 10 26 | 0 44 | 3 42 | 1 27 | 26 49 | 7 17 | 19 11 | 19 31 | 12 36 | 18 48 | 4 13 |
| M28 | 3 54 | 7 28 | 5 3 | 2 54 | 1 56 | 8 33 | 1 22 | 23 59 | 1 35 | 23 7 | 0 23 | 21 18 | 1 7 | 10 25 | 0 44 | 3 41 | 1 27 | 26 49 | 7 17 | 19 13 | 19 32 | 12 35 | 18 47 | 4 13 |
| T 29 | 4 17 | 12 3 | 4 57 | 2 12 | 1 53 | 8 6 | 1 24 | 24 5 | 1 35 | 23 7 | 0 23 | 21 19 | 1 6 | 10 24 | 0 44 | 3 40 | 1 27 | 26 49 | 7 17 | 19 16 | 19 32 | 12 33 | 18 47 | 4 14 |
| W30 | 4s41 | 15s50 | 4n33 | 1n28 | 1n50 | 7n38 | 1n25 | 24s10 | 1s35 | 23n 7 | 0s23 | 21s20 | 1n 6 | 10n22 | 0n44 | 3n39 | 1n27 | 26n49 | 7n17 | 19n18 | 19n33 | 12s31 | 18n46 | 4s14 |

Julian Day Number = 2070845.5, Delta T = 28m07s
Ecliptic obliquity = 23°34'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'50, Lahiri = 9°19'50 Julian Calendar 1 Sept. 957 == Greg. Calendar 6 Sept. 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## OCTOBER 957 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 58 29 | 12♎45'48 | 13♐32 | 2♎14 | 15♍13 | 14♐37 | 25♊38 | 12♐34 | 5♍10 | 24♍14 | 2♌24 | 4°R12 | 3♌ 9 | 4♓13 | 17°R35 | T 1 |
| F 2 | 1 2 26 | 13°45'36 | 26°28 | 3°55 | 16°27 | 15°21 | 25°39 | 12°39 | 5°13 | 24°16 | 2°25 | 4♌ 8 | 3° 6 | 4°20 | 17♊34 | F 2 |
| S 3 | 1 6 22 | 14°45'27 | 9♑ 0 | 5°37 | 17°41 | 16° 5 | 25°40 | 12°44 | 5°16 | 24°18 | 2°26 | 4° 7 | 3° 2 | 4°27 | 17°34 | S 3 |
| S 4 | 1 10 19 | 15°45'19 | 21°13 | 7°19 | 18°55 | 16°49 | 25°41 | 12°48 | 5°19 | 24°20 | 2°26 | 4°D 7 | 2°59 | 4°33 | 17°33 | S 4 |
| M 5 | 1 14 15 | 16°45'13 | 3♒12 | 9° 1 | 20°10 | 17°34 | 25°42 | 12°53 | 5°22 | 24°22 | 2°27 | 4°R 7 | 2°56 | 4°40 | 17°31 | M 5 |
| T 6 | 1 18 12 | 17°45'08 | 15° 3 | 10°42 | 21°24 | 18°18 | 25°43 | 12°58 | 5°25 | 24°24 | 2°28 | 4° 7 | 2°53 | 4°47 | 17°30 | T 6 |
| W 7 | 1 22 8 | 18°45'05 | 26°51 | 12°23 | 22°38 | 19° 2 | 25°43 | 13° 3 | 5°28 | 24°26 | 2°28 | 4° 4 | 2°50 | 4°53 | 17°29 | W 7 |
| T 8 | 1 26 5 | 19°45'04 | 8♓39 | 14° 4 | 23°52 | 19°47 | 25°43 | 13° 8 | 5°31 | 24°28 | 2°29 | 3°59 | 2°46 | 5° 0 | 17°28 | T 8 |
| F 9 | 1 30 2 | 20°45'05 | 20°33 | 15°44 | 25° 7 | 20°32 | 25°R43 | 13°13 | 5°34 | 24°30 | 2°30 | 3°52 | 2°43 | 5° 7 | 17°26 | F 9 |
| S 10 | 1 33 58 | 21°45'07 | 2♈35 | 17°24 | 26°21 | 21°16 | 25°43 | 13°19 | 5°37 | 24°32 | 2°30 | 3°41 | 2°40 | 5°13 | 17°25 | S 10 |
| S 11 | 1 37 55 | 22°45'12 | 14°46 | 19° 4 | 27°36 | 22° 1 | 25°43 | 13°24 | 5°40 | 24°34 | 2°31 | 3°29 | 2°37 | 5°20 | 17°23 | S 11 |
| M12 | 1 41 51 | 23°45'18 | 27° 9 | 20°43 | 28°50 | 22°46 | 25°42 | 13°29 | 5°43 | 24°36 | 2°31 | 3°15 | 2°34 | 5°27 | 17°22 | M12 |
| T 13 | 1 45 48 | 24°45'26 | 9♉43 | 22°22 | 0♎ 5 | 23°31 | 25°41 | 13°35 | 5°46 | 24°38 | 2°32 | 3° 1 | 2°31 | 5°33 | 17°20 | T 13 |
| W14 | 1 49 44 | 25°45'36 | 22°27 | 24° 0 | 1°19 | 24°16 | 25°41 | 13°40 | 5°48 | 24°40 | 2°32 | 2°48 | 2°27 | 5°40 | 17°18 | W14 |
| T 15 | 1 53 41 | 26°45'48 | 5♊23 | 25°38 | 2°34 | 25° 1 | 25°39 | 13°46 | 5°51 | 24°42 | 2°33 | 2°38 | 2°24 | 5°47 | 17°17 | T 15 |
| F 16 | 1 57 37 | 27°46'02 | 18°30 | 27°15 | 3°49 | 25°46 | 25°38 | 13°51 | 5°54 | 24°44 | 2°33 | 2°31 | 2°21 | 5°53 | 17°15 | F 16 |
| S 17 | 2 1 34 | 28°46'18 | 1♋48 | 28°52 | 5° 3 | 26°31 | 25°36 | 13°57 | 5°56 | 24°46 | 2°33 | 2°26 | 2°18 | 6° 0 | 17°13 | S 17 |
| S 18 | 2 5 31 | 29°46'37 | 15°19 | 0♏29 | 6°18 | 27°16 | 25°35 | 14° 2 | 5°59 | 24°48 | 2°34 | 2°24 | 2°15 | 6° 7 | 17°11 | S 18 |
| M19 | 2 9 27 | 0♏46'57 | 29° 3 | 2° 5 | 7°33 | 28° 2 | 25°33 | 14° 8 | 6° 2 | 24°50 | 2°34 | 2°24 | 2°12 | 6°13 | 17° 9 | M19 |
| T 20 | 2 13 24 | 1°47'19 | 13♌ 1 | 3°41 | 8°48 | 28°47 | 25°30 | 14°14 | 6° 4 | 24°52 | 2°34 | 2°24 | 2° 8 | 6°20 | 17° 7 | T 20 |
| W21 | 2 17 20 | 2°47'43 | 27°14 | 5°17 | 10° 3 | 29°32 | 25°28 | 14°20 | 6° 7 | 24°54 | 2°35 | 2°22 | 2° 5 | 6°27 | 17° 4 | W21 |
| T 22 | 2 21 17 | 3°48'10 | 11♍40 | 6°52 | 11°17 | 0♑18 | 25°25 | 14°26 | 6° 9 | 24°56 | 2°35 | 2°19 | 2° 2 | 6°33 | 17° 2 | T 22 |
| F 23 | 2 25 13 | 4°48'38 | 26°16 | 8°27 | 12°32 | 1° 3 | 25°23 | 14°32 | 6°11 | 24°58 | 2°35 | 2°13 | 1°59 | 6°40 | 17° 0 | F 23 |
| S 24 | 2 29 10 | 5°49'08 | 10♎56 | 10° 2 | 13°47 | 1°49 | 25°20 | 14°38 | 6°14 | 24°59 | 2°35 | 2° 3 | 1°56 | 6°47 | 16°57 | S 24 |
| S 25 | 2 33 6 | 6°49'40 | 25°35 | 11°36 | 15° 2 | 2°34 | 25°17 | 14°44 | 6°16 | 25° 1 | 2°35 | 1°52 | 1°52 | 6°53 | 16°55 | S 25 |
| M26 | 2 37 3 | 7°50'13 | 10♏ 3 | 13°10 | 16°17 | 3°20 | 25°13 | 14°50 | 6°18 | 25° 3 | 2°35 | 1°40 | 1°49 | 7° 0 | 16°52 | M26 |
| T 27 | 2 41 0 | 8°50'49 | 24°14 | 14°44 | 17°32 | 4° 6 | 25°10 | 14°56 | 6°21 | 25° 5 | 2°36 | 1°28 | 1°46 | 7° 7 | 16°50 | T 27 |
| W28 | 2 44 56 | 9°51'25 | 8♐ 3 | 16°18 | 18°47 | 4°51 | 25° 6 | 15° 2 | 6°23 | 25° 6 | 2°36 | 1°17 | 1°43 | 7°13 | 16°47 | W28 |
| T 29 | 2 48 53 | 10°52'03 | 21°26 | 17°51 | 20° 2 | 5°37 | 25° 2 | 15° 8 | 6°25 | 25° 8 | 2°36 | 1° 9 | 1°40 | 7°20 | 16°44 | T 29 |
| F 30 | 2 52 49 | 11°52'43 | 4♑24 | 19°24 | 21°18 | 6°23 | 24°58 | 15°14 | 6°27 | 25°10 | 2°R36 | 1° 4 | 1°37 | 7°27 | 16°41 | F 30 |
| S 31 | 2 56 46 | 12♏53'24 | 16♑59 | 20♏57 | 22♎33 | 7♑ 9 | 24♊54 | 15♐21 | 6♍29 | 25♍11 | 2♌36 | 1♌ 1 | 1♌33 | 7♓33 | 16♊39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s 4 | 18s39 | 3n55 | 0n45 | 1n47 | 7n11 | 1n26 | 24s15 | 1s35 | 23n 7 | 0s23 | 21s20 | 1n 6 | 10n21 | 0n44 | 3n38 | 1n27 | 26n50 | 7n18 | 19n19 | 19n34 | 12s29 | 18n46 | 4s15 |
| F 2 | 5 27 | 20 25 | 3 6 | 0 0 | 1 43 | 6 43 | 1 28 | 24 20 | 1 35 | 23 7 | 0 23 | 21 21 | 1 6 | 10 20 | 0 44 | 3 37 | 1 27 | 26 50 | 7 18 | 19 20 | 19 35 | 12 28 | 18 45 | 4 15 |
| S 3 | 5 51 | 21 7 | 2 9 | 0s44 | 1 39 | 6 15 | 1 29 | 24 25 | 1 35 | 23 8 | 0 23 | 21 22 | 1 6 | 10 19 | 0 44 | 3 37 | 1 27 | 26 50 | 7 18 | 19 20 | 19 35 | 12 26 | 18 45 | 4 15 |
| S 4 | 6 14 | 20 46 | 1 8 | 1 29 | 1 34 | 5 47 | 1 30 | 24 30 | 1 35 | 23 8 | 0 22 | 21 23 | 1 6 | 10 18 | 0 44 | 3 36 | 1 27 | 26 50 | 7 18 | 19 20 | 19 36 | 12 24 | 18 44 | 4 16 |
| M 5 | 6 37 | 19 28 | 0 5 | 2 13 | 1 29 | 5 18 | 1 31 | 24 34 | 1 35 | 23 8 | 0 22 | 21 23 | 1 5 | 10 17 | 0 44 | 3 35 | 1 27 | 26 50 | 7 19 | 19 20 | 19 37 | 12 22 | 18 44 | 4 16 |
| T 6 | 7 0 | 17 20 | 0s58 | 2 58 | 1 24 | 4 50 | 1 32 | 24 38 | 1 35 | 23 8 | 0 22 | 21 24 | 1 5 | 10 16 | 0 44 | 3 34 | 1 27 | 26 50 | 7 19 | 19 20 | 19 37 | 12 21 | 18 43 | 4 17 |
| W 7 | 7 23 | 14 28 | 1 58 | 3 43 | 1 19 | 4 21 | 1 32 | 24 42 | 1 35 | 23 8 | 0 22 | 21 25 | 1 5 | 10 14 | 0 44 | 3 33 | 1 27 | 26 50 | 7 19 | 19 21 | 19 38 | 12 19 | 18 43 | 4 17 |
| T 8 | 7 46 | 11 2 | 2 52 | 4 27 | 1 13 | 3 52 | 1 33 | 24 45 | 1 35 | 23 8 | 0 22 | 21 26 | 1 5 | 10 13 | 0 44 | 3 33 | 1 27 | 26 50 | 7 19 | 19 22 | 19 39 | 12 17 | 18 42 | 4 17 |
| F 9 | 8 9 | 7 8 | 3 40 | 5 12 | 1 7 | 3 23 | 1 34 | 24 49 | 1 35 | 23 8 | 0 22 | 21 26 | 1 5 | 10 12 | 0 44 | 3 32 | 1 27 | 26 50 | 7 20 | 19 24 | 19 40 | 12 15 | 18 42 | 4 18 |
| S 10 | 8 31 | 2 54 | 4 18 | 5 56 | 1 1 | 2 54 | 1 34 | 24 52 | 1 35 | 23 8 | 0 22 | 21 27 | 1 5 | 10 11 | 0 44 | 3 31 | 1 27 | 26 50 | 7 20 | 19 26 | 19 40 | 12 14 | 18 41 | 4 18 |
| S 11 | 8 54 | 1n29 | 4 45 | 6 40 | 0 55 | 2 25 | 1 35 | 24 54 | 1 35 | 23 8 | 0 22 | 21 28 | 1 5 | 10 10 | 0 44 | 3 30 | 1 27 | 26 51 | 7 20 | 19 29 | 19 41 | 12 12 | 18 41 | 4 19 |
| M12 | 9 16 | 5 52 | 4 58 | 7 23 | 0 48 | 1 55 | 1 35 | 24 57 | 1 34 | 23 8 | 0 22 | 21 29 | 1 4 | 10 9 | 0 44 | 3 29 | 1 27 | 26 51 | 7 21 | 19 32 | 19 42 | 12 10 | 18 40 | 4 19 |
| T 13 | 9 38 | 10 5 | 4 58 | 8 6 | 0 42 | 1 26 | 1 36 | 24 59 | 1 34 | 23 8 | 0 22 | 21 30 | 1 4 | 10 8 | 0 44 | 3 29 | 1 27 | 26 51 | 7 21 | 19 36 | 19 43 | 12 8 | 18 40 | 4 19 |
| W14 | 10 1 | 13 56 | 4 43 | 8 49 | 0 36 | 0 56 | 1 36 | 25 1 | 1 34 | 23 8 | 0 22 | 21 30 | 1 4 | 10 7 | 0 44 | 3 28 | 1 27 | 26 51 | 7 21 | 19 38 | 19 43 | 12 6 | 18 39 | 4 20 |
| T 15 | 10 22 | 17 10 | 4 13 | 9 31 | 0 29 | 0 27 | 1 36 | 25 3 | 1 34 | 23 8 | 0 22 | 21 31 | 1 4 | 10 6 | 0 44 | 3 27 | 1 27 | 26 51 | 7 21 | 19 41 | 19 44 | 12 5 | 18 39 | 4 20 |
| F 16 | 10 44 | 19 35 | 3 30 | 10 12 | 0 22 | 0s 3 | 1 36 | 25 4 | 1 34 | 23 8 | 0 22 | 21 32 | 1 4 | 10 5 | 0 45 | 3 26 | 1 27 | 26 51 | 7 22 | 19 43 | 19 45 | 12 3 | 18 38 | 4 21 |
| S 17 | 11 6 | 21 0 | 2 34 | 10 53 | 0 16 | 0 33 | 1 36 | 25 5 | 1 34 | 23 8 | 0 22 | 21 33 | 1 4 | 10 4 | 0 45 | 3 26 | 1 28 | 26 52 | 7 22 | 19 44 | 19 45 | 12 1 | 18 37 | 4 21 |
| S 18 | 11 27 | 21 13 | 1 29 | 11 34 | 0 9 | 1 2 | 1 36 | 25 6 | 1 34 | 23 8 | 0 22 | 21 34 | 1 4 | 10 3 | 0 45 | 3 25 | 1 28 | 26 52 | 7 22 | 19 44 | 19 46 | 11 59 | 18 37 | 4 21 |
| M19 | 11 49 | 20 11 | 0 18 | 12 14 | 0 2 | 1 32 | 1 36 | 25 7 | 1 33 | 23 8 | 0 22 | 21 34 | 1 3 | 10 3 | 0 45 | 3 24 | 1 28 | 26 52 | 7 22 | 19 44 | 19 47 | 11 57 | 18 36 | 4 22 |
| T 20 | 12 10 | 17 54 | 0n56 | 12 53 | 0s 4 | 2 2 | 1 36 | 25 7 | 1 33 | 23 8 | 0 21 | 21 35 | 1 3 | 10 2 | 0 45 | 3 23 | 1 28 | 26 52 | 7 23 | 19 44 | 19 48 | 11 56 | 18 36 | 4 22 |
| W21 | 12 31 | 14 30 | 2 7 | 13 32 | 0 11 | 2 32 | 1 36 | 25 7 | 1 33 | 23 8 | 0 21 | 21 36 | 1 3 | 10 1 | 0 45 | 3 23 | 1 28 | 26 52 | 7 23 | 19 44 | 19 48 | 11 54 | 18 35 | 4 23 |
| T 22 | 12 51 | 10 11 | 3 11 | 14 9 | 0 17 | 3 1 | 1 36 | 25 7 | 1 33 | 23 8 | 0 21 | 21 37 | 1 3 | 10 0 | 0 45 | 3 22 | 1 28 | 26 53 | 7 23 | 19 45 | 19 49 | 11 52 | 18 35 | 4 23 |
| F 23 | 13 12 | 5 13 | 4 4 | 14 47 | 0 24 | 3 31 | 1 35 | 25 7 | 1 33 | 23 8 | 0 21 | 21 38 | 1 3 | 9 59 | 0 45 | 3 21 | 1 28 | 26 53 | 7 24 | 19 47 | 19 50 | 11 50 | 18 34 | 4 23 |
| S 24 | 13 32 | 0s 3 | 4 40 | 15 23 | 0 31 | 4 1 | 1 35 | 25 6 | 1 32 | 23 8 | 0 21 | 21 39 | 1 3 | 9 58 | 0 45 | 3 21 | 1 28 | 26 53 | 7 24 | 19 49 | 19 50 | 11 48 | 18 33 | 4 24 |
| S 25 | 13 52 | 5 19 | 4 59 | 15 59 | 0 37 | 4 30 | 1 34 | 25 5 | 1 32 | 23 8 | 0 21 | 21 39 | 1 3 | 9 57 | 0 45 | 3 20 | 1 28 | 26 53 | 7 24 | 19 51 | 19 51 | 11 46 | 18 33 | 4 24 |
| M26 | 14 12 | 10 13 | 4 57 | 16 34 | 0 43 | 5 0 | 1 34 | 25 4 | 1 32 | 23 8 | 0 21 | 21 40 | 1 3 | 9 57 | 0 45 | 3 19 | 1 28 | 26 54 | 7 24 | 19 54 | 19 52 | 11 45 | 18 32 | 4 24 |
| T 27 | 14 32 | 14 27 | 4 37 | 17 8 | 0 50 | 5 29 | 1 33 | 25 2 | 1 32 | 23 8 | 0 21 | 21 41 | 1 2 | 9 56 | 0 45 | 3 19 | 1 28 | 26 54 | 7 25 | 19 57 | 19 53 | 11 43 | 18 32 | 4 25 |
| W28 | 14 51 | 17 48 | 4 1 | 17 42 | 0 56 | 5 59 | 1 32 | 25 0 | 1 31 | 23 8 | 0 21 | 21 42 | 1 2 | 9 55 | 0 45 | 3 18 | 1 28 | 26 54 | 7 25 | 19 59 | 19 53 | 11 41 | 18 31 | 4 25 |
| T 29 | 15 10 | 20 5 | 3 13 | 18 14 | 1 2 | 6 28 | 1 32 | 24 58 | 1 31 | 23 8 | 0 21 | 21 43 | 1 2 | 9 54 | 0 45 | 3 17 | 1 28 | 26 54 | 7 25 | 20 1 | 19 54 | 11 39 | 18 30 | 4 25 |
| F 30 | 15 29 | 21 14 | 2 16 | 18 46 | 1 8 | 6 57 | 1 31 | 24 56 | 1 31 | 23 8 | 0 21 | 21 43 | 1 2 | 9 53 | 0 45 | 3 17 | 1 28 | 26 55 | 7 26 | 20 2 | 19 55 | 11 37 | 18 30 | 4 26 |
| S 31 | 15s48 | 21s16 | 1n14 | 19s17 | 1s14 | 7s26 | 1n30 | 24s53 | 1s30 | 23n 8 | 0s21 | 21s44 | 1n 2 | 9n53 | 0n45 | 3n16 | 1n28 | 26n55 | 7n26 | 20n 3 | 19n55 | 11s35 | 18n29 | 4s26 |

Julian Day Number = 2070875.5, Delta T = 28m07s
Ecliptic obliquity = 23°34'23, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'54, Lahiri = 9°19'54 Julian Calendar 1 Oct. 957 == Greg. Calendar 6 Oct. 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## NOVEMBER 957 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 0 42 | 13♏54'05 | 29♉14 | 22♏30 | 23♎48 | 7♉55 | 24°R49 | 15♐27 | 6♍31 | 25♍13 | 2°R36 | 1°D 1 | 1♌30 | 7♓40 | 16°R36 | S 1 |
| M 2 | 3 4 39 | 14°54'48 | 11♒15 | 24° 2 | 25° 3 | 8°41 | 24♊44 | 15°34 | 6°33 | 25°15 | 2♌35 | 1°R 1 | 1°27 | 7°47 | 16♊33 | M 2 |
| T 3 | 3 8 35 | 15°55'33 | 23° 7 | 25°35 | 26°18 | 9°27 | 24°40 | 15°40 | 6°35 | 25°16 | 2°35 | 1♌ 0 | 1°24 | 7°53 | 16°30 | T 3 |
| W 4 | 3 12 32 | 16°56'18 | 4♓55 | 27° 7 | 27°33 | 10°13 | 24°35 | 15°46 | 6°37 | 25°18 | 2°35 | 0°59 | 1°21 | 8° 0 | 16°27 | W 4 |
| T 5 | 3 16 29 | 17°57'04 | 16°46 | 28°39 | 28°49 | 10°59 | 24°29 | 15°53 | 6°38 | 25°19 | 2°35 | 0°55 | 1°18 | 8° 7 | 16°24 | T 5 |
| F 6 | 3 20 25 | 18°57'51 | 28°43 | 0♐11 | 0♏ 4 | 11°45 | 24°24 | 15°59 | 6°40 | 25°21 | 2°35 | 0°49 | 1°14 | 8°13 | 16°21 | F 6 |
| S 7 | 3 24 22 | 19°58'40 | 10♈50 | 1°43 | 1°19 | 12°31 | 24°19 | 16° 6 | 6°42 | 25°22 | 2°35 | 0°40 | 1°11 | 8°20 | 16°17 | S 7 |
| S 8 | 3 28 18 | 20°59'29 | 23°11 | 3°14 | 2°34 | 13°17 | 24°13 | 16°13 | 6°44 | 25°24 | 2°34 | 0°28 | 1° 8 | 8°27 | 16°14 | S 8 |
| M 9 | 3 32 15 | 22° 0'20 | 5♉46 | 4°45 | 3°50 | 14° 4 | 24° 7 | 16°19 | 6°45 | 25°25 | 2°34 | 0°16 | 1° 5 | 8°33 | 16°11 | M 9 |
| T 10 | 3 36 11 | 23° 1'12 | 18°37 | 6°16 | 5° 5 | 14°50 | 24° 1 | 16°26 | 6°47 | 25°27 | 2°34 | 0° 4 | 1° 2 | 8°40 | 16° 8 | T 10 |
| W11 | 3 40 8 | 24° 2'05 | 1♊43 | 7°47 | 6°20 | 15°36 | 23°55 | 16°33 | 6°48 | 25°28 | 2°33 | 29♋52 | 0°58 | 8°47 | 16° 4 | W11 |
| T 12 | 3 44 4 | 25° 2'59 | 15° 2 | 9°18 | 7°35 | 16°22 | 23°49 | 16°39 | 6°50 | 25°29 | 2°33 | 29°43 | 0°55 | 8°53 | 16° 1 | T 12 |
| F 13 | 3 48 1 | 26° 3'54 | 28°32 | 10°48 | 8°51 | 17° 9 | 23°43 | 16°46 | 6°51 | 25°31 | 2°33 | 29°36 | 0°52 | 9° 0 | 15°57 | F 13 |
| S 14 | 3 51 58 | 27° 4'51 | 12♋11 | 12°18 | 10° 6 | 17°55 | 23°36 | 16°53 | 6°52 | 25°32 | 2°32 | 29°32 | 0°49 | 9° 7 | 15°54 | S 14 |
| S 15 | 3 55 54 | 28° 5'49 | 25°58 | 13°47 | 11°22 | 18°42 | 23°29 | 17° 0 | 6°54 | 25°33 | 2°32 | 29°D31 | 0°46 | 9°13 | 15°50 | S 15 |
| M16 | 3 59 51 | 29° 6'48 | 9♌51 | 15°16 | 12°37 | 19°28 | 23°23 | 17° 7 | 6°55 | 25°34 | 2°31 | 29°31 | 0°43 | 9°20 | 15°47 | M16 |
| T 17 | 4 3 47 | 0♐ 7'48 | 23°51 | 16°44 | 13°52 | 20°14 | 23°16 | 17°13 | 6°56 | 25°36 | 2°31 | 29°R32 | 0°39 | 9°27 | 15°43 | T 17 |
| W18 | 4 7 44 | 1° 8'50 | 7♍57 | 18°12 | 15° 8 | 21° 1 | 23° 9 | 17°20 | 6°57 | 25°37 | 2°30 | 29°32 | 0°36 | 9°33 | 15°40 | W18 |
| T 19 | 4 11 40 | 2° 9'52 | 22° 7 | 19°38 | 16°23 | 21°47 | 23° 2 | 17°27 | 6°58 | 25°38 | 2°30 | 29°30 | 0°33 | 9°40 | 15°36 | T 19 |
| F 20 | 4 15 37 | 3°10'56 | 6♎21 | 21° 4 | 17°38 | 22°34 | 22°54 | 17°34 | 6°59 | 25°39 | 2°29 | 29°26 | 0°30 | 9°47 | 15°33 | F 20 |
| S 21 | 4 19 33 | 4°12'01 | 20°34 | 22°29 | 18°54 | 23°20 | 22°47 | 17°41 | 7° 0 | 25°40 | 2°29 | 29°19 | 0°27 | 9°53 | 15°29 | S 21 |
| S 22 | 4 23 30 | 5°13'07 | 4♏44 | 23°52 | 20° 9 | 24° 7 | 22°40 | 17°48 | 7° 1 | 25°41 | 2°28 | 29°11 | 0°24 | 10° 0 | 15°25 | S 22 |
| M23 | 4 27 27 | 6°14'14 | 18°46 | 25°13 | 21°25 | 24°53 | 22°32 | 17°55 | 7° 2 | 25°42 | 2°27 | 29° 1 | 0°20 | 10° 7 | 15°22 | M23 |
| T 24 | 4 31 23 | 7°15'21 | 2♐34 | 26°33 | 22°40 | 25°40 | 22°25 | 18° 2 | 7° 3 | 25°43 | 2°27 | 28°52 | 0°17 | 10°13 | 15°18 | T 24 |
| W25 | 4 35 20 | 8°16'30 | 16° 6 | 27°50 | 23°56 | 26°27 | 22°17 | 18° 9 | 7° 3 | 25°44 | 2°26 | 28°44 | 0°14 | 10°20 | 15°14 | W25 |
| T 26 | 4 39 16 | 9°17'39 | 29°18 | 29° 5 | 25°11 | 27°13 | 22° 9 | 18°16 | 7° 4 | 25°45 | 2°25 | 28°38 | 0°11 | 10°27 | 15°10 | T 26 |
| F 27 | 4 43 13 | 10°18'48 | 12♉10 | 0♉17 | 26°27 | 28° 0 | 22° 1 | 18°23 | 7° 5 | 25°46 | 2°24 | 28°34 | 0° 8 | 10°34 | 15° 7 | F 27 |
| S 28 | 4 47 9 | 11°19'58 | 24°43 | 1°25 | 27°42 | 28°46 | 21°54 | 18°30 | 7° 5 | 25°47 | 2°24 | 28°D33 | 0° 4 | 10°40 | 15° 3 | S 28 |
| S 29 | 4 51 6 | 12°21'09 | 6♒58 | 2°29 | 28°58 | 29°33 | 21°46 | 18°37 | 7° 6 | 25°48 | 2°23 | 28°33 | 0° 1 | 10°47 | 14°59 | S 29 |
| M30 | 4 55 2 | 13♐22'19 | 19♒ 0 | 3♉28 | 0♐13 | 0♒20 | 21♊38 | 18♐44 | 7♍ 6 | 25♍48 | 2♌22 | 28♋34 | 29♋58 | 10♓54 | 14♊55 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s 6 | 20s16 | 0n 9 | 19s46 | 1s19 | 7s55 | 1n29 | 24s50 | 1s30 | 23n 8 | 0s20 | 21s45 | 1n 2 | 9n52 | 0n45 | 3n15 | 1n28 | 26n55 | 7n26 | 20n 3 | 19n56 | 11s34 | 18n29 | 4s26 |
| M 2 | 16 24 | 18 22 | 0s54 | 20 15 | 1 25 | 8 23 | 1 28 | 24 47 | 1 30 | 23 8 | 0 20 | 21 46 | 1 2 | 9 51 | 0 45 | 3 15 | 1 28 | 26 55 | 7 26 | 20 3 | 19 57 | 11 32 | 18 28 | 4 27 |
| T 3 | 16 42 | 15 41 | 1 55 | 20 43 | 1 30 | 8 52 | 1 27 | 24 43 | 1 30 | 23 8 | 0 20 | 21 47 | 1 2 | 9 51 | 0 45 | 3 14 | 1 28 | 26 56 | 7 27 | 20 3 | 19 58 | 11 30 | 18 27 | 4 27 |
| W 4 | 16 59 | 12 23 | 2 50 | 21 10 | 1 35 | 9 20 | 1 26 | 24 40 | 1 29 | 23 8 | 0 20 | 21 47 | 1 1 | 9 50 | 0 45 | 3 14 | 1 28 | 26 56 | 7 27 | 20 3 | 19 58 | 11 28 | 18 27 | 4 27 |
| T 5 | 17 17 | 8 36 | 3 38 | 21 36 | 1 40 | 9 48 | 1 24 | 24 36 | 1 29 | 23 7 | 0 20 | 21 48 | 1 1 | 9 49 | 0 45 | 3 13 | 1 28 | 26 56 | 7 27 | 20 4 | 19 59 | 11 26 | 18 26 | 4 28 |
| F 6 | 17 33 | 4 26 | 4 17 | 22 1 | 1 45 | 10 16 | 1 23 | 24 31 | 1 29 | 23 7 | 0 20 | 21 49 | 1 1 | 9 49 | 0 45 | 3 13 | 1 28 | 26 57 | 7 28 | 20 5 | 20 0 | 11 24 | 18 26 | 4 28 |
| S 7 | 17 50 | 0 3 | 4 44 | 22 24 | 1 49 | 10 43 | 1 22 | 24 27 | 1 28 | 23 7 | 0 20 | 21 50 | 1 1 | 9 48 | 0 45 | 3 12 | 1 28 | 26 57 | 7 28 | 20 7 | 20 0 | 11 22 | 18 25 | 4 28 |
| S 8 | 18 6 | 4n25 | 5 0 | 22 47 | 1 54 | 11 11 | 1 20 | 24 22 | 1 28 | 23 7 | 0 20 | 21 51 | 1 1 | 9 48 | 0 45 | 3 11 | 1 28 | 26 57 | 7 28 | 20 10 | 20 1 | 11 21 | 18 24 | 4 28 |
| M 9 | 18 22 | 8 48 | 5 1 | 23 8 | 1 58 | 11 38 | 1 19 | 24 17 | 1 27 | 23 7 | 0 20 | 21 51 | 1 1 | 9 47 | 0 45 | 3 11 | 1 28 | 26 58 | 7 28 | 20 12 | 20 2 | 11 19 | 18 24 | 4 29 |
| T 10 | 18 38 | 12 52 | 4 47 | 23 28 | 2 2 | 12 4 | 1 17 | 24 11 | 1 27 | 23 7 | 0 20 | 21 52 | 1 1 | 9 47 | 0 45 | 3 10 | 1 29 | 26 58 | 7 29 | 20 15 | 20 2 | 11 17 | 18 23 | 4 29 |
| W11 | 18 53 | 16 25 | 4 17 | 23 47 | 2 5 | 12 31 | 1 16 | 24 5 | 1 27 | 23 7 | 0 19 | 21 53 | 1 1 | 9 46 | 0 46 | 3 10 | 1 29 | 26 58 | 7 29 | 20 17 | 20 3 | 11 15 | 18 23 | 4 29 |
| T 12 | 19 8 | 19 11 | 3 34 | 24 5 | 2 8 | 12 57 | 1 14 | 23 59 | 1 26 | 23 6 | 0 19 | 21 54 | 1 1 | 9 46 | 0 46 | 3 9 | 1 29 | 26 59 | 7 29 | 20 19 | 20 4 | 11 13 | 18 22 | 4 29 |
| F 13 | 19 23 | 20 57 | 2 37 | 24 21 | 2 11 | 13 23 | 1 12 | 23 53 | 1 26 | 23 6 | 0 19 | 21 54 | 1 1 | 9 45 | 0 46 | 3 9 | 1 29 | 26 59 | 7 29 | 20 21 | 20 5 | 11 11 | 18 21 | 4 30 |
| S 14 | 19 37 | 21 30 | 1 31 | 24 36 | 2 14 | 13 49 | 1 11 | 23 47 | 1 26 | 23 6 | 0 19 | 21 55 | 1 0 | 9 45 | 0 46 | 3 9 | 1 29 | 26 59 | 7 30 | 20 22 | 20 5 | 11 9 | 18 21 | 4 30 |
| S 15 | 19 51 | 20 46 | 0 19 | 24 50 | 2 16 | 14 14 | 1 9 | 23 40 | 1 25 | 23 6 | 0 19 | 21 56 | 1 0 | 9 44 | 0 46 | 3 8 | 1 29 | 27 0 | 7 30 | 20 22 | 20 6 | 11 7 | 18 20 | 4 30 |
| M16 | 20 4 | 18 46 | 0n55 | 25 2 | 2 17 | 14 39 | 1 7 | 23 33 | 1 25 | 23 5 | 0 19 | 21 57 | 1 0 | 9 44 | 0 46 | 3 8 | 1 29 | 27 0 | 7 30 | 20 22 | 20 7 | 11 5 | 18 20 | 4 30 |
| T 17 | 20 17 | 15 38 | 2 6 | 25 12 | 2 19 | 15 3 | 1 5 | 23 26 | 1 24 | 23 5 | 0 19 | 21 57 | 1 0 | 9 43 | 0 46 | 3 7 | 1 29 | 27 0 | 7 31 | 20 22 | 20 7 | 11 3 | 18 19 | 4 31 |
| W18 | 20 30 | 11 35 | 3 11 | 25 22 | 2 19 | 15 27 | 1 3 | 23 18 | 1 24 | 23 5 | 0 19 | 21 58 | 1 0 | 9 43 | 0 46 | 3 7 | 1 29 | 27 1 | 7 31 | 20 22 | 20 8 | 11 2 | 18 19 | 4 31 |
| T 19 | 20 43 | 6 52 | 4 3 | 25 29 | 2 20 | 15 51 | 1 2 | 23 10 | 1 23 | 23 5 | 0 19 | 21 59 | 1 0 | 9 43 | 0 46 | 3 6 | 1 29 | 27 1 | 7 31 | 20 22 | 20 9 | 11 0 | 18 18 | 4 31 |
| F 20 | 20 55 | 1 46 | 4 41 | 25 35 | 2 19 | 16 14 | 1 0 | 23 2 | 1 23 | 23 5 | 0 18 | 22 0 | 1 0 | 9 42 | 0 46 | 3 6 | 1 29 | 27 2 | 7 31 | 20 23 | 20 9 | 10 58 | 18 17 | 4 31 |
| S 21 | 21 6 | 3s25 | 5 2 | 25 40 | 2 19 | 16 37 | 0 58 | 22 54 | 1 23 | 23 4 | 0 18 | 22 0 | 1 0 | 9 42 | 0 46 | 3 6 | 1 29 | 27 2 | 7 32 | 20 24 | 20 10 | 10 56 | 18 17 | 4 31 |
| S 22 | 21 17 | 8 24 | 5 4 | 25 43 | 2 17 | 16 59 | 0 55 | 22 45 | 1 22 | 23 4 | 0 18 | 22 1 | 1 0 | 9 42 | 0 46 | 3 5 | 1 29 | 27 2 | 7 32 | 20 26 | 20 11 | 10 54 | 18 16 | 4 32 |
| M23 | 21 28 | 12 53 | 4 48 | 25 44 | 2 15 | 17 21 | 0 53 | 22 36 | 1 22 | 23 4 | 0 18 | 22 2 | 1 0 | 9 41 | 0 46 | 3 5 | 1 29 | 27 3 | 7 32 | 20 28 | 20 11 | 10 52 | 18 16 | 4 32 |
| T 24 | 21 39 | 16 37 | 4 15 | 25 44 | 2 12 | 17 43 | 0 51 | 22 27 | 1 21 | 23 3 | 0 18 | 22 3 | 1 0 | 9 41 | 0 46 | 3 5 | 1 29 | 27 3 | 7 32 | 20 30 | 20 12 | 10 50 | 18 15 | 4 32 |
| W25 | 21 49 | 19 24 | 3 28 | 25 42 | 2 9 | 18 4 | 0 49 | 22 18 | 1 21 | 23 3 | 0 18 | 22 3 | 0 59 | 9 41 | 0 46 | 3 4 | 1 29 | 27 4 | 7 33 | 20 32 | 20 13 | 10 48 | 18 14 | 4 32 |
| T 26 | 21 58 | 21 3 | 2 31 | 25 38 | 2 4 | 18 25 | 0 47 | 22 9 | 1 20 | 23 3 | 0 18 | 22 4 | 0 59 | 9 41 | 0 46 | 3 4 | 1 29 | 27 4 | 7 33 | 20 33 | 20 13 | 10 46 | 18 14 | 4 32 |
| F 27 | 22 7 | 21 34 | 1 27 | 25 33 | 1 59 | 18 45 | 0 45 | 21 59 | 1 20 | 23 2 | 0 18 | 22 5 | 0 59 | 9 41 | 0 46 | 3 4 | 1 29 | 27 4 | 7 33 | 20 34 | 20 14 | 10 44 | 18 13 | 4 32 |
| S 28 | 22 16 | 20 58 | 0 21 | 25 27 | 1 53 | 19 4 | 0 42 | 21 49 | 1 19 | 23 2 | 0 17 | 22 5 | 0 59 | 9 40 | 0 46 | 3 3 | 1 29 | 27 5 | 7 33 | 20 34 | 20 15 | 10 42 | 18 13 | 4 33 |
| S 29 | 22 24 | 19 22 | 0s45 | 25 19 | 1 46 | 19 23 | 0 40 | 21 38 | 1 19 | 23 2 | 0 17 | 22 6 | 0 59 | 9 40 | 0 46 | 3 3 | 1 30 | 27 5 | 7 34 | 20 34 | 20 16 | 10 40 | 18 12 | 4 33 |
| M30 | 22s32 | 16s56 | 1s49 | 25s 9 | 1s37 | 19s41 | 0n38 | 21s28 | 1s18 | 23n 1 | 0s17 | 22s 7 | 0n59 | 9n40 | 0n46 | 3n 3 | 1n30 | 27n 6 | 7n34 | 20n34 | 20n16 | 10s38 | 18n12 | 4s33 |

Julian Day Number = 2070906.5, Delta T = 28m06s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°12'58, Lahiri = 9°19'59 Julian Calendar 1 Nov. 957 == Greg. Calendar 6 Nov. 957


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# ASTRODIENST EPHEMERIS for the year 957
# geocentric

## DECEMBER 957 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 58 59 | 14♐23'30 | 0♓53 | 4♑22 | 1♐29 | 1♒ 6 | 21°R30 | 18♐51 | 7♍ 6 | 25♍49 | 2°R21 | 28♋36 | 29♋55 | 11♓ 0 | 14°R52 | T 1 |
| W 2 | 5 2 56 | 15°24'40 | 12°43 | 5° 9 | 2°44 | 1°53 | 21♊22 | 18°58 | 7° 7 | 25°50 | 2♌20 | 28°R37 | 29°52 | 11° 7 | 14♊48 | W 2 |
| T 3 | 5 6 52 | 16°25'51 | 24°34 | 5°50 | 3°59 | 2°40 | 21°13 | 19° 5 | 7° 7 | 25°51 | 2°19 | 28°36 | 29°49 | 11°14 | 14°44 | T 3 |
| F 4 | 5 10 49 | 17°27'02 | 6♈32 | 6°22 | 5°15 | 3°27 | 21° 5 | 19°12 | 7° 7 | 25°51 | 2°18 | 28°34 | 29°45 | 11°20 | 14°40 | F 4 |
| S 5 | 5 14 45 | 18°28'13 | 18°41 | 6°46 | 6°30 | 4°13 | 20°57 | 19°19 | 7° 7 | 25°52 | 2°18 | 28°30 | 29°42 | 11°27 | 14°36 | S 5 |
| S 6 | 5 18 42 | 19°29'24 | 1♉ 5 | 6°59 | 7°46 | 5° 0 | 20°49 | 19°26 | 7° 8 | 25°52 | 2°17 | 28°25 | 29°39 | 11°34 | 14°33 | S 6 |
| M 7 | 5 22 38 | 20°30'35 | 13°48 | 7°R 2 | 9° 1 | 5°47 | 20°41 | 19°34 | 7°R 8 | 25°53 | 2°16 | 28°18 | 29°36 | 11°40 | 14°29 | M 7 |
| T 8 | 5 26 35 | 21°31'46 | 26°50 | 6°54 | 10°17 | 6°33 | 20°33 | 19°41 | 7° 8 | 25°54 | 2°15 | 28°12 | 29°33 | 11°47 | 14°25 | T 8 |
| W 9 | 5 30 31 | 22°32'57 | 10♊13 | 6°34 | 11°32 | 7°20 | 20°25 | 19°48 | 7° 7 | 25°54 | 2°14 | 28° 5 | 29°30 | 11°54 | 14°21 | W 9 |
| T 10 | 5 34 28 | 23°34'08 | 23°53 | 6° 2 | 12°48 | 8° 7 | 20°17 | 19°55 | 7° 7 | 25°54 | 2°13 | 28° 0 | 29°26 | 12° 0 | 14°18 | T 10 |
| F 11 | 5 38 25 | 24°35'19 | 7♋49 | 5°19 | 14° 3 | 8°53 | 20° 8 | 20° 2 | 7° 7 | 25°55 | 2°11 | 27°57 | 29°23 | 12° 7 | 14°14 | F 11 |
| S 12 | 5 42 21 | 25°36'30 | 21°56 | 4°24 | 15°19 | 9°40 | 20° 0 | 20° 9 | 7° 7 | 25°55 | 2°10 | 27°D56 | 29°20 | 12°14 | 14°10 | S 12 |
| S 13 | 5 46 18 | 26°37'42 | 6♌10 | 3°21 | 16°34 | 10°27 | 19°52 | 20°16 | 7° 7 | 25°56 | 2° 9 | 27°56 | 29°17 | 12°20 | 14° 7 | S 13 |
| M14 | 5 50 14 | 27°38'53 | 20°27 | 2° 9 | 17°49 | 11°13 | 19°44 | 20°23 | 7° 6 | 25°56 | 2° 8 | 27°57 | 29°14 | 12°27 | 14° 3 | M14 |
| T 15 | 5 54 11 | 28°40'05 | 4♍44 | 0°52 | 19° 5 | 12° 0 | 19°36 | 20°30 | 7° 6 | 25°56 | 2° 7 | 27°58 | 29°10 | 12°34 | 13°59 | T 15 |
| W16 | 5 58 7 | 29°41'17 | 18°58 | 29♐32 | 20°20 | 12°47 | 19°28 | 20°37 | 7° 5 | 25°57 | 2° 6 | 28° 0 | 29° 7 | 12°40 | 13°56 | W16 |
| T 17 | 6 2 4 | 0♑42'28 | 3♎ 7 | 28°11 | 21°36 | 13°33 | 19°21 | 20°44 | 7° 5 | 25°57 | 2° 5 | 28°R 0 | 29° 4 | 12°47 | 13°52 | T 17 |
| F 18 | 6 6 0 | 1°43'40 | 17° 8 | 26°52 | 22°51 | 14°20 | 19°13 | 20°51 | 7° 4 | 25°57 | 2° 4 | 27°59 | 29° 1 | 12°54 | 13°49 | F 18 |
| S 19 | 6 9 57 | 2°44'52 | 1♏ 2 | 25°38 | 24° 7 | 15° 7 | 19° 5 | 20°58 | 7° 4 | 25°57 | 2° 2 | 27°57 | 28°58 | 13° 0 | 13°45 | S 19 |
| S 20 | 6 13 54 | 3°46'04 | 14°46 | 24°31 | 25°22 | 15°53 | 18°57 | 21° 5 | 7° 3 | 25°57 | 2° 1 | 27°54 | 28°55 | 13° 7 | 13°41 | S 20 |
| M21 | 6 17 50 | 4°47'16 | 28°19 | 23°31 | 26°38 | 16°40 | 18°50 | 21°12 | 7° 2 | 25°57 | 2° 0 | 27°50 | 28°51 | 13°14 | 13°38 | M21 |
| T 22 | 6 21 47 | 5°48'28 | 11♐40 | 22°40 | 27°53 | 17°27 | 18°42 | 21°19 | 7° 1 | 25°57 | 1°59 | 27°47 | 28°48 | 13°21 | 13°35 | T 22 |
| W23 | 6 25 43 | 6°49'39 | 24°47 | 21°59 | 29° 9 | 18°13 | 18°35 | 21°26 | 7° 1 | 25°R57 | 1°57 | 27°44 | 28°45 | 13°27 | 13°31 | W23 |
| T 24 | 6 29 40 | 7°50'50 | 7♑39 | 21°28 | 0♑24 | 19° 0 | 18°28 | 21°33 | 7° 0 | 25°57 | 1°56 | 27°41 | 28°42 | 13°34 | 13°28 | T 24 |
| F 25 | 6 33 36 | 8°52'01 | 20°16 | 21° 6 | 1°39 | 19°46 | 18°20 | 21°40 | 6°59 | 25°57 | 1°55 | 27°40 | 28°39 | 13°41 | 13°25 | F 25 |
| S 26 | 6 37 33 | 9°53'11 | 2♒40 | 20°54 | 2°55 | 20°33 | 18°13 | 21°47 | 6°58 | 25°57 | 1°54 | 27°D40 | 28°36 | 13°47 | 13°21 | S 26 |
| S 27 | 6 41 30 | 10°54'20 | 14°50 | 20°D50 | 4°10 | 21°20 | 18° 6 | 21°53 | 6°57 | 25°57 | 1°52 | 27°41 | 28°32 | 13°54 | 13°18 | S 27 |
| M28 | 6 45 26 | 11°55'29 | 26°51 | 20°55 | 5°26 | 22° 6 | 17°59 | 22° 0 | 6°56 | 25°57 | 1°51 | 27°42 | 28°29 | 14° 1 | 13°15 | M28 |
| T 29 | 6 49 23 | 12°56'36 | 8♓44 | 21° 8 | 6°41 | 22°53 | 17°53 | 22° 7 | 6°55 | 25°57 | 1°50 | 27°44 | 28°26 | 14° 7 | 13°12 | T 29 |
| W30 | 6 53 19 | 13°57'43 | 20°33 | 21°28 | 7°56 | 23°39 | 17°46 | 22°14 | 6°53 | 25°56 | 1°48 | 27°45 | 28°23 | 14°14 | 13° 9 | W30 |
| T 31 | 6 57 16 | 14♑58'49 | 2♈24 | 21♐54 | 9♑12 | 24♒26 | 17♊39 | 22♐20 | 6♍52 | 25♍56 | 1♌47 | 27♋46 | 28♋20 | 14♓21 | 13♊ 6 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s39 | 13s48 | 2s46 | 24s58 | 1s28 | 19s59 | 0n36 | 21s17 | 1s18 | 23n 1 | 0s17 | 22s 7 | 0n59 | 9n40 | 0n46 | 3n 2 | 1n30 | 27n 6 | 7n34 | 20n33 | 20n17 | 10s36 | 18n11 | 4s33 |
| W 2 | 22 46 | 10 9 | 3 36 | 24 46 | 1 17 | 20 17 | 0 33 | 21 6 | 1 17 | 23 1 | 0 17 | 22 8 | 0 59 | 9 40 | 0 46 | 3 2 | 1 30 | 27 7 | 7 34 | 20 33 | 20 18 | 10 35 | 18 11 | 4 33 |
| T 3 | 22 53 | 6 6 | 4 18 | 24 32 | 1 6 | 20 33 | 0 31 | 20 55 | 1 17 | 23 0 | 0 17 | 22 9 | 0 59 | 9 40 | 0 46 | 3 2 | 1 30 | 27 7 | 7 35 | 20 33 | 20 18 | 10 33 | 18 10 | 4 33 |
| F 4 | 22 59 | 1 48 | 4 48 | 24 18 | 0 53 | 20 50 | 0 29 | 20 44 | 1 16 | 23 0 | 0 17 | 22 9 | 0 59 | 9 40 | 0 47 | 3 2 | 1 30 | 27 8 | 7 35 | 20 34 | 20 19 | 10 31 | 18 10 | 4 33 |
| S 5 | 23 4 | 2n39 | 5 6 | 24 2 | 0 38 | 21 5 | 0 26 | 20 32 | 1 16 | 22 59 | 0 16 | 22 10 | 0 59 | 9 40 | 0 47 | 3 2 | 1 30 | 27 8 | 7 35 | 20 34 | 20 20 | 10 29 | 18 9 | 4 33 |
| S 6 | 23 9 | 7 4 | 5 10 | 23 46 | 0 23 | 21 20 | 0 24 | 20 20 | 1 15 | 22 59 | 0 16 | 22 11 | 0 59 | 9 40 | 0 47 | 3 1 | 1 30 | 27 8 | 7 35 | 20 36 | 20 20 | 10 27 | 18 9 | 4 33 |
| M 7 | 23 14 | 11 18 | 4 59 | 23 29 | 0 6 | 21 34 | 0 21 | 20 8 | 1 14 | 22 59 | 0 16 | 22 11 | 0 59 | 9 40 | 0 47 | 3 1 | 1 30 | 27 9 | 7 35 | 20 37 | 20 21 | 10 25 | 18 8 | 4 34 |
| T 8 | 23 18 | 15 8 | 4 33 | 23 12 | 0n12 | 21 48 | 0 19 | 19 56 | 1 14 | 22 58 | 0 16 | 22 12 | 0 59 | 9 40 | 0 47 | 3 1 | 1 30 | 27 9 | 7 36 | 20 38 | 20 22 | 10 23 | 18 8 | 4 34 |
| W 9 | 23 22 | 18 18 | 3 51 | 22 54 | 0 31 | 22 1 | 0 17 | 19 43 | 1 13 | 22 58 | 0 16 | 22 12 | 0 58 | 9 40 | 0 47 | 3 1 | 1 30 | 27 10 | 7 36 | 20 40 | 20 22 | 10 21 | 18 7 | 4 34 |
| T 10 | 23 25 | 20 31 | 2 55 | 22 36 | 0 50 | 22 14 | 0 14 | 19 31 | 1 13 | 22 57 | 0 16 | 22 13 | 0 58 | 9 40 | 0 47 | 3 1 | 1 30 | 27 10 | 7 36 | 20 41 | 20 23 | 10 19 | 18 7 | 4 34 |
| F 11 | 23 28 | 21 33 | 1 48 | 22 18 | 1 10 | 22 25 | 0 12 | 19 18 | 1 12 | 22 57 | 0 16 | 22 14 | 0 58 | 9 40 | 0 47 | 3 1 | 1 30 | 27 11 | 7 36 | 20 41 | 20 24 | 10 17 | 18 6 | 4 34 |
| S 12 | 23 30 | 21 14 | 0 33 | 22 0 | 1 29 | 22 36 | 0 9 | 19 5 | 1 12 | 22 56 | 0 15 | 22 14 | 0 58 | 9 40 | 0 47 | 3 1 | 1 30 | 27 11 | 7 36 | 20 42 | 20 24 | 10 15 | 18 6 | 4 34 |
| S 13 | 23 32 | 19 34 | 0n45 | 21 43 | 1 49 | 22 47 | 0 7 | 18 52 | 1 11 | 22 56 | 0 15 | 22 15 | 0 58 | 9 40 | 0 47 | 3 0 | 1 30 | 27 12 | 7 37 | 20 41 | 20 25 | 10 13 | 18 5 | 4 34 |
| M14 | 23 33 | 16 39 | 2 0 | 21 26 | 2 7 | 22 56 | 0 4 | 18 38 | 1 10 | 22 55 | 0 15 | 22 15 | 0 58 | 9 41 | 0 47 | 3 0 | 1 30 | 27 12 | 7 37 | 20 41 | 20 26 | 10 11 | 18 5 | 4 34 |
| T 15 | 23 34 | 12 45 | 3 8 | 21 10 | 2 24 | 23 5 | 0 2 | 18 24 | 1 10 | 22 55 | 0 15 | 22 16 | 0 58 | 9 41 | 0 47 | 3 0 | 1 30 | 27 13 | 7 37 | 20 41 | 20 26 | 10 9 | 18 4 | 4 34 |
| W16 | 23 34 | 8 8 | 4 4 | 20 55 | 2 39 | 23 14 | 0s 0 | 18 11 | 1 9 | 22 54 | 0 15 | 22 16 | 0 58 | 9 41 | 0 47 | 3 0 | 1 31 | 27 13 | 7 37 | 20 41 | 20 27 | 10 7 | 18 4 | 4 34 |
| T 17 | 23 34 | 3 7 | 4 45 | 20 42 | 2 52 | 23 21 | 0 3 | 17 57 | 1 9 | 22 54 | 0 15 | 22 17 | 0 58 | 9 41 | 0 47 | 3 0 | 1 31 | 27 13 | 7 37 | 20 41 | 20 28 | 10 5 | 18 4 | 4 34 |
| F 18 | 23 34 | 2s 1 | 5 8 | 20 30 | 3 3 | 23 28 | 0 5 | 17 42 | 1 8 | 22 54 | 0 14 | 22 17 | 0 58 | 9 42 | 0 47 | 3 0 | 1 31 | 27 14 | 7 38 | 20 41 | 20 28 | 10 3 | 18 3 | 4 34 |
| S 19 | 23 33 | 7 0 | 5 14 | 20 19 | 3 11 | 23 34 | 0 8 | 17 28 | 1 8 | 22 53 | 0 14 | 22 18 | 0 58 | 9 42 | 0 47 | 3 0 | 1 31 | 27 14 | 7 38 | 20 41 | 20 29 | 10 1 | 18 3 | 4 34 |
| S 20 | 23 31 | 11 34 | 5 1 | 20 11 | 3 16 | 23 40 | 0 10 | 17 14 | 1 7 | 22 53 | 0 14 | 22 19 | 0 58 | 9 42 | 0 47 | 3 0 | 1 31 | 27 15 | 7 38 | 20 42 | 20 30 | 9 59 | 18 2 | 4 34 |
| M21 | 23 29 | 15 29 | 4 31 | 20 5 | 3 20 | 23 44 | 0 13 | 16 59 | 1 6 | 22 52 | 0 14 | 22 19 | 0 58 | 9 42 | 0 47 | 3 0 | 1 31 | 27 15 | 7 38 | 20 43 | 20 30 | 9 57 | 18 2 | 4 34 |
| T 22 | 23 27 | 18 34 | 3 47 | 20 2 | 3 21 | 23 48 | 0 15 | 16 44 | 1 6 | 22 52 | 0 14 | 22 20 | 0 58 | 9 43 | 0 47 | 3 0 | 1 31 | 27 16 | 7 38 | 20 43 | 20 31 | 9 55 | 18 2 | 4 34 |
| W23 | 23 24 | 20 37 | 2 52 | 20 1 | 3 20 | 23 51 | 0 17 | 16 29 | 1 5 | 22 51 | 0 14 | 22 20 | 0 58 | 9 43 | 0 47 | 3 0 | 1 31 | 27 16 | 7 39 | 20 44 | 20 31 | 9 53 | 18 1 | 4 34 |
| T 24 | 23 20 | 21 33 | 1 48 | 20 1 | 3 17 | 23 54 | 0 20 | 16 14 | 1 4 | 22 51 | 0 13 | 22 21 | 0 58 | 9 43 | 0 47 | 3 0 | 1 31 | 27 17 | 7 39 | 20 44 | 20 32 | 9 51 | 18 1 | 4 34 |
| F 25 | 23 16 | 21 22 | 0 41 | 20 4 | 3 13 | 23 56 | 0 22 | 15 59 | 1 4 | 22 50 | 0 13 | 22 21 | 0 58 | 9 44 | 0 47 | 3 0 | 1 31 | 27 17 | 7 39 | 20 45 | 20 33 | 9 49 | 18 1 | 4 34 |
| S 26 | 23 12 | 20 7 | 0s28 | 20 9 | 3 7 | 23 57 | 0 24 | 15 43 | 1 3 | 22 50 | 0 13 | 22 21 | 0 58 | 9 44 | 0 47 | 3 1 | 1 31 | 27 18 | 7 39 | 20 45 | 20 33 | 9 47 | 18 0 | 4 34 |
| S 27 | 23 7 | 17 58 | 1 34 | 20 15 | 3 0 | 23 57 | 0 27 | 15 28 | 1 3 | 22 49 | 0 13 | 22 22 | 0 58 | 9 45 | 0 48 | 3 1 | 1 31 | 27 18 | 7 39 | 20 44 | 20 34 | 9 45 | 18 0 | 4 34 |
| M28 | 23 2 | 15 3 | 2 35 | 20 23 | 2 53 | 23 56 | 0 29 | 15 12 | 1 2 | 22 49 | 0 13 | 22 22 | 0 58 | 9 45 | 0 48 | 3 1 | 1 31 | 27 19 | 7 39 | 20 44 | 20 35 | 9 43 | 18 0 | 4 33 |
| T 29 | 22 56 | 11 33 | 3 28 | 20 32 | 2 45 | 23 55 | 0 31 | 14 56 | 1 1 | 22 48 | 0 13 | 22 23 | 0 57 | 9 46 | 0 48 | 3 1 | 1 31 | 27 19 | 7 40 | 20 44 | 20 35 | 9 41 | 17 59 | 4 33 |
| W30 | 22 50 | 7 38 | 4 13 | 20 42 | 2 36 | 23 53 | 0 33 | 14 40 | 1 1 | 22 48 | 0 12 | 22 23 | 0 57 | 9 46 | 0 48 | 3 1 | 1 31 | 27 19 | 7 40 | 20 44 | 20 36 | 9 39 | 17 59 | 4 33 |
| T 31 | 22s44 | 3s25 | 4s47 | 20s53 | 2n27 | 23s50 | 0s35 | 14s24 | 1s 0 | 22n48 | 0s12 | 22s24 | 0n57 | 9n47 | 0n48 | 3n 1 | 1n31 | 27n20 | 7n40 | 20n43 | 20n37 | 9s37 | 17n59 | 4s33 |

Julian Day Number = 2070936.5, Delta T = 28m06s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'02, Lahiri = 9°20'03 Julian Calendar 1 Dec. 957 == Greg. Calendar 6 Dec. 957


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## JANUARY 958 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 1 12 | 15♑59'54 | 14♈21 | 22♐26 | 10♑27 | 25♒12 | 17°R33 | 22♐27 | 6°R51 | 25°R56 | 1°R46 | 27°R46 | 28♋16 | 14♓27 | 13°R 3 | F 1 |
| S 2 | 7 5 9 | 17° 0'57 | 26°28 | 23° 3 | 11°43 | 25°59 | 17♊27 | 22°34 | 6♍49 | 25♍56 | 1♌44 | 27♋46 | 28°13 | 14°34 | 13♊ 0 | S 2 |
| S 3 | 7 9 5 | 18° 2'00 | 8♉50 | 23°45 | 12°58 | 26°45 | 17°21 | 22°40 | 6°48 | 25°55 | 1°43 | 27°46 | 28°10 | 14°41 | 12°57 | S 3 |
| M 4 | 7 13 2 | 19° 3'01 | 21°31 | 24°32 | 14°13 | 27°31 | 17°15 | 22°47 | 6°47 | 25°55 | 1°41 | 27°45 | 28° 7 | 14°47 | 12°54 | M 4 |
| T 5 | 7 16 59 | 20° 4'02 | 4♊35 | 25°23 | 15°29 | 28°18 | 17° 9 | 22°54 | 6°45 | 25°54 | 1°40 | 27°44 | 28° 4 | 14°54 | 12°51 | T 5 |
| W 6 | 7 20 55 | 21° 5'01 | 18° 4 | 26°17 | 16°44 | 29° 4 | 17° 4 | 23° 0 | 6°44 | 25°54 | 1°39 | 27°43 | 28° 1 | 15° 1 | 12°48 | W 6 |
| T 7 | 7 24 52 | 22° 5'59 | 1♋56 | 27°14 | 17°59 | 29°50 | 16°58 | 23° 7 | 6°42 | 25°53 | 1°37 | 27°42 | 27°57 | 15° 8 | 12°46 | T 7 |
| F 8 | 7 28 48 | 23° 6'56 | 16° 9 | 28°15 | 19°15 | 0♓37 | 16°53 | 23°13 | 6°40 | 25°53 | 1°36 | 27°42 | 27°54 | 15°14 | 12°43 | F 8 |
| S 9 | 7 32 45 | 24° 7'52 | 0♌41 | 29°18 | 20°30 | 1°23 | 16°48 | 23°20 | 6°39 | 25°52 | 1°34 | 27°D41 | 27°51 | 15°21 | 12°41 | S 9 |
| S 10 | 7 36 41 | 25° 8'47 | 15°23 | 0♑23 | 21°45 | 2° 9 | 16°43 | 23°26 | 6°37 | 25°52 | 1°33 | 27°42 | 27°48 | 15°28 | 12°38 | S 10 |
| M11 | 7 40 38 | 26° 9'41 | 0♍10 | 1°31 | 23° 0 | 2°55 | 16°38 | 23°32 | 6°35 | 25°51 | 1°32 | 27°42 | 27°45 | 15°34 | 12°36 | M11 |
| T 12 | 7 44 34 | 27°10'34 | 14°53 | 2°41 | 24°16 | 3°42 | 16°33 | 23°39 | 6°33 | 25°51 | 1°30 | 27°42 | 27°41 | 15°41 | 12°33 | T 12 |
| W13 | 7 48 31 | 28°11'26 | 29°28 | 3°53 | 25°31 | 4°28 | 16°29 | 23°45 | 6°32 | 25°50 | 1°29 | 27°R42 | 27°38 | 15°48 | 12°31 | W13 |
| T 14 | 7 52 28 | 29°12'17 | 13♎50 | 5° 6 | 26°46 | 5°14 | 16°25 | 23°51 | 6°30 | 25°49 | 1°27 | 27°42 | 27°35 | 15°54 | 12°29 | T 14 |
| F 15 | 7 56 24 | 0♒13'07 | 27°55 | 6°22 | 28° 2 | 6° 0 | 16°20 | 23°57 | 6°28 | 25°48 | 1°26 | 27°D42 | 27°32 | 16° 1 | 12°27 | F 15 |
| S 16 | 8 0 21 | 1°13'56 | 11♏42 | 7°38 | 29°17 | 6°46 | 16°17 | 24° 3 | 6°26 | 25°48 | 1°25 | 27°42 | 27°29 | 16° 8 | 12°25 | S 16 |
| S 17 | 8 4 17 | 2°14'45 | 25°12 | 8°57 | 0♒32 | 7°32 | 16°13 | 24° 9 | 6°24 | 25°47 | 1°23 | 27°42 | 27°26 | 16°14 | 12°23 | S 17 |
| M18 | 8 8 14 | 3°15'32 | 8♐25 | 10°16 | 1°47 | 8°18 | 16° 9 | 24°16 | 6°22 | 25°46 | 1°22 | 27°43 | 27°22 | 16°21 | 12°21 | M18 |
| T 19 | 8 12 10 | 4°16'18 | 21°22 | 11°37 | 3° 2 | 9° 4 | 16° 6 | 24°22 | 6°20 | 25°45 | 1°20 | 27°43 | 27°19 | 16°28 | 12°19 | T 19 |
| W20 | 8 16 7 | 5°17'03 | 4♑ 5 | 12°59 | 4°18 | 9°50 | 16° 3 | 24°27 | 6°18 | 25°44 | 1°19 | 27°44 | 27°16 | 16°34 | 12°17 | W20 |
| T 21 | 8 20 3 | 6°17'47 | 16°37 | 14°22 | 5°33 | 10°36 | 16° 0 | 24°33 | 6°16 | 25°43 | 1°17 | 27°44 | 27°13 | 16°41 | 12°15 | T 21 |
| F 22 | 8 24 0 | 7°18'29 | 28°57 | 15°46 | 6°48 | 11°22 | 15°57 | 24°39 | 6°13 | 25°42 | 1°16 | 27°R45 | 27°10 | 16°48 | 12°14 | F 22 |
| S 23 | 8 27 57 | 8°19'10 | 11♒ 7 | 17°12 | 8° 3 | 12° 8 | 15°54 | 24°45 | 6°11 | 25°41 | 1°15 | 27°44 | 27° 7 | 16°55 | 12°12 | S 23 |
| S 24 | 8 31 53 | 9°19'49 | 23° 9 | 18°38 | 9°18 | 12°54 | 15°52 | 24°51 | 6° 9 | 25°40 | 1°13 | 27°43 | 27° 3 | 17° 1 | 12°11 | S 24 |
| M25 | 8 35 50 | 10°20'27 | 5♓ 5 | 20° 6 | 10°34 | 13°39 | 15°50 | 24°56 | 6° 7 | 25°39 | 1°12 | 27°42 | 27° 0 | 17° 8 | 12° 9 | M25 |
| T 26 | 8 39 46 | 11°21'03 | 16°57 | 21°34 | 11°49 | 14°25 | 15°48 | 25° 2 | 6° 5 | 25°38 | 1°10 | 27°40 | 26°57 | 17°15 | 12° 8 | T 26 |
| W27 | 8 43 43 | 12°21'37 | 28°47 | 23° 3 | 13° 4 | 15°11 | 15°46 | 25° 8 | 6° 2 | 25°37 | 1° 9 | 27°37 | 26°54 | 17°21 | 12° 7 | W27 |
| T 28 | 8 47 39 | 13°22'10 | 10♈38 | 24°34 | 14°19 | 15°57 | 15°45 | 25°13 | 6° 0 | 25°36 | 1° 8 | 27°35 | 26°51 | 17°28 | 12° 5 | T 28 |
| F 29 | 8 51 36 | 14°22'40 | 22°33 | 26° 5 | 15°34 | 16°42 | 15°43 | 25°19 | 5°58 | 25°35 | 1° 6 | 27°33 | 26°47 | 17°35 | 12° 4 | F 29 |
| S 30 | 8 55 32 | 15°23'09 | 4♉38 | 27°37 | 16°49 | 17°28 | 15°42 | 25°24 | 5°55 | 25°34 | 1° 5 | 27°32 | 26°44 | 17°41 | 12° 3 | S 30 |
| S 31 | 8 59 29 | 16♒23'36 | 16♉56 | 29♑11 | 18♒ 4 | 18♓13 | 15♊41 | 25♐29 | 5♍53 | 25♍33 | 1♌ 3 | 27°D32 | 26♋41 | 17♓48 | 12♊ 2 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s36 | 0n57 | 5s 8 | 21s 4 | 2n17 | 23s47 | 0s38 | 14s 7 | 0s59 | 22n47 | 0s12 | 22s24 | 0n57 | 9n47 | 0n48 | 3n 1 | 1n31 | 27n20 | 7n40 | 20n43 | 20n37 | 9s35 | 17n58 | 4s33 |
| S 2 | 22 29 | 5 20 | 5 17 | 21 16 | 2 7 | 23 43 | 0 40 | 13 51 | 0 59 | 22 47 | 0 12 | 22 24 | 0 57 | 9 48 | 0 48 | 3 2 | 1 32 | 27 21 | 7 40 | 20 43 | 20 38 | 9 33 | 17 58 | 4 33 |
| S 3 | 22 21 | 9 36 | 5 11 | 21 28 | 1 58 | 23 38 | 0 42 | 13 34 | 0 58 | 22 46 | 0 12 | 22 25 | 0 57 | 9 48 | 0 48 | 3 2 | 1 32 | 27 21 | 7 40 | 20 44 | 20 39 | 9 30 | 17 58 | 4 33 |
| M 4 | 22 13 | 13 34 | 4 50 | 21 40 | 1 48 | 23 32 | 0 44 | 13 18 | 0 57 | 22 46 | 0 12 | 22 25 | 0 57 | 9 49 | 0 48 | 3 2 | 1 32 | 27 22 | 7 40 | 20 44 | 20 39 | 9 28 | 17 58 | 4 33 |
| T 5 | 22 4 | 17 1 | 4 14 | 21 52 | 1 38 | 23 26 | 0 46 | 13 1 | 0 57 | 22 45 | 0 11 | 22 26 | 0 57 | 9 49 | 0 48 | 3 2 | 1 32 | 27 22 | 7 40 | 20 44 | 20 40 | 9 26 | 17 57 | 4 33 |
| W 6 | 21 55 | 19 40 | 3 23 | 22 4 | 1 28 | 23 19 | 0 48 | 12 44 | 0 56 | 22 45 | 0 11 | 22 26 | 0 57 | 9 50 | 0 48 | 3 2 | 1 32 | 27 23 | 7 41 | 20 44 | 20 41 | 9 24 | 17 57 | 4 33 |
| T 7 | 21 45 | 21 15 | 2 18 | 22 15 | 1 18 | 23 11 | 0 50 | 12 27 | 0 55 | 22 45 | 0 11 | 22 26 | 0 57 | 9 51 | 0 48 | 3 3 | 1 32 | 27 23 | 7 41 | 20 44 | 20 41 | 9 22 | 17 57 | 4 32 |
| F 8 | 21 35 | 21 32 | 1 4 | 22 26 | 1 8 | 23 2 | 0 52 | 12 10 | 0 55 | 22 44 | 0 11 | 22 27 | 0 57 | 9 51 | 0 48 | 3 3 | 1 32 | 27 23 | 7 41 | 20 44 | 20 42 | 9 20 | 17 57 | 4 32 |
| S 9 | 21 24 | 20 23 | 0n17 | 22 36 | 0 58 | 22 53 | 0 54 | 11 53 | 0 54 | 22 44 | 0 11 | 22 27 | 0 57 | 9 52 | 0 48 | 3 3 | 1 32 | 27 24 | 7 41 | 20 44 | 20 42 | 9 18 | 17 57 | 4 32 |
| S 10 | 21 13 | 17 51 | 1 37 | 22 46 | 0 48 | 22 43 | 0 55 | 11 36 | 0 53 | 22 44 | 0 11 | 22 27 | 0 57 | 9 53 | 0 48 | 3 4 | 1 32 | 27 24 | 7 41 | 20 44 | 20 43 | 9 16 | 17 57 | 4 32 |
| M11 | 21 2 | 14 8 | 2 51 | 22 55 | 0 39 | 22 32 | 0 57 | 11 18 | 0 53 | 22 43 | 0 11 | 22 28 | 0 57 | 9 53 | 0 48 | 3 4 | 1 32 | 27 25 | 7 41 | 20 44 | 20 44 | 9 14 | 17 56 | 4 32 |
| T 12 | 20 50 | 9 34 | 3 53 | 23 3 | 0 30 | 22 21 | 0 59 | 11 1 | 0 52 | 22 43 | 0 10 | 22 28 | 0 57 | 9 54 | 0 48 | 3 4 | 1 32 | 27 25 | 7 41 | 20 44 | 20 44 | 9 12 | 17 56 | 4 32 |
| W13 | 20 38 | 4 29 | 4 40 | 23 10 | 0 20 | 22 9 | 1 1 | 10 43 | 0 51 | 22 43 | 0 10 | 22 28 | 0 57 | 9 55 | 0 48 | 3 4 | 1 32 | 27 26 | 7 41 | 20 44 | 20 45 | 9 10 | 17 56 | 4 31 |
| T 14 | 20 26 | 0s45 | 5 8 | 23 17 | 0 12 | 21 56 | 1 2 | 10 26 | 0 51 | 22 43 | 0 10 | 22 29 | 0 57 | 9 55 | 0 48 | 3 5 | 1 32 | 27 26 | 7 41 | 20 44 | 20 46 | 9 8 | 17 56 | 4 31 |
| F 15 | 20 13 | 5 51 | 5 18 | 23 22 | 0 3 | 21 43 | 1 4 | 10 8 | 0 50 | 22 42 | 0 10 | 22 29 | 0 57 | 9 56 | 0 48 | 3 5 | 1 32 | 27 26 | 7 41 | 20 44 | 20 46 | 9 6 | 17 56 | 4 31 |
| S 16 | 20 0 | 10 32 | 5 8 | 23 27 | 0s 6 | 21 29 | 1 5 | 9 50 | 0 49 | 22 42 | 0 10 | 22 29 | 0 57 | 9 57 | 0 48 | 3 5 | 1 32 | 27 27 | 7 42 | 20 44 | 20 47 | 9 4 | 17 56 | 4 31 |
| S 17 | 19 46 | 14 36 | 4 42 | 23 30 | 0 14 | 21 14 | 1 7 | 9 32 | 0 49 | 22 42 | 0 10 | 22 30 | 0 57 | 9 58 | 0 48 | 3 6 | 1 32 | 27 27 | 7 42 | 20 44 | 20 47 | 9 2 | 17 56 | 4 31 |
| M18 | 19 32 | 17 52 | 4 1 | 23 32 | 0 22 | 20 59 | 1 8 | 9 14 | 0 48 | 22 42 | 0 9 | 22 30 | 0 57 | 9 58 | 0 48 | 3 6 | 1 32 | 27 28 | 7 42 | 20 44 | 20 48 | 8 59 | 17 56 | 4 31 |
| T 19 | 19 18 | 20 9 | 3 9 | 23 33 | 0 30 | 20 43 | 1 10 | 8 56 | 0 47 | 22 41 | 0 9 | 22 30 | 0 57 | 9 59 | 0 48 | 3 7 | 1 32 | 27 28 | 7 42 | 20 44 | 20 49 | 8 57 | 17 56 | 4 30 |
| W20 | 19 3 | 21 23 | 2 8 | 23 33 | 0 37 | 20 27 | 1 11 | 8 38 | 0 46 | 22 41 | 0 9 | 22 30 | 0 57 | 10 0 | 0 48 | 3 7 | 1 32 | 27 28 | 7 42 | 20 44 | 20 49 | 8 55 | 17 56 | 4 30 |
| T 21 | 18 48 | 21 31 | 1 1 | 23 32 | 0 45 | 20 10 | 1 13 | 8 20 | 0 46 | 22 41 | 0 9 | 22 31 | 0 57 | 10 1 | 0 48 | 3 7 | 1 33 | 27 29 | 7 42 | 20 44 | 20 50 | 8 53 | 17 56 | 4 30 |
| F 22 | 18 33 | 20 36 | 0s 7 | 23 30 | 0 52 | 19 52 | 1 14 | 8 2 | 0 45 | 22 41 | 0 9 | 22 31 | 0 57 | 10 2 | 0 48 | 3 8 | 1 33 | 27 29 | 7 42 | 20 44 | 20 51 | 8 51 | 17 56 | 4 30 |
| S 23 | 18 17 | 18 43 | 1 13 | 23 26 | 0 59 | 19 34 | 1 15 | 7 44 | 0 44 | 22 41 | 0 9 | 22 31 | 0 57 | 10 2 | 0 48 | 3 8 | 1 33 | 27 30 | 7 42 | 20 44 | 20 51 | 8 49 | 17 56 | 4 30 |
| S 24 | 18 1 | 16 1 | 2 16 | 23 21 | 1 5 | 19 15 | 1 16 | 7 26 | 0 44 | 22 41 | 0 8 | 22 31 | 0 57 | 10 3 | 0 48 | 3 9 | 1 33 | 27 30 | 7 42 | 20 44 | 20 52 | 8 47 | 17 56 | 4 29 |
| M25 | 17 45 | 12 41 | 3 12 | 23 14 | 1 11 | 18 55 | 1 17 | 7 7 | 0 43 | 22 41 | 0 8 | 22 32 | 0 57 | 10 4 | 0 48 | 3 9 | 1 33 | 27 30 | 7 42 | 20 44 | 20 52 | 8 45 | 17 56 | 4 29 |
| T 26 | 17 28 | 8 52 | 4 0 | 23 6 | 1 17 | 18 36 | 1 18 | 6 49 | 0 42 | 22 41 | 0 8 | 22 32 | 0 57 | 10 5 | 0 48 | 3 10 | 1 33 | 27 31 | 7 42 | 20 45 | 20 53 | 8 43 | 17 56 | 4 29 |
| W27 | 17 11 | 4 43 | 4 37 | 22 57 | 1 23 | 18 15 | 1 19 | 6 31 | 0 42 | 22 41 | 0 8 | 22 32 | 0 57 | 10 6 | 0 48 | 3 10 | 1 33 | 27 31 | 7 42 | 20 45 | 20 54 | 8 40 | 17 56 | 4 29 |
| T 28 | 16 54 | 0 24 | 5 2 | 22 47 | 1 28 | 17 54 | 1 20 | 6 12 | 0 41 | 22 41 | 0 8 | 22 32 | 0 57 | 10 7 | 0 48 | 3 11 | 1 33 | 27 31 | 7 42 | 20 46 | 20 54 | 8 38 | 17 56 | 4 29 |
| F 29 | 16 37 | 3n57 | 5 15 | 22 35 | 1 33 | 17 33 | 1 21 | 5 54 | 0 40 | 22 41 | 0 8 | 22 32 | 0 57 | 10 8 | 0 49 | 3 11 | 1 33 | 27 32 | 7 42 | 20 46 | 20 55 | 8 36 | 17 56 | 4 28 |
| S 30 | 16 19 | 8 13 | 5 13 | 22 21 | 1 38 | 17 11 | 1 22 | 5 35 | 0 39 | 22 41 | 0 7 | 22 33 | 0 57 | 10 9 | 0 49 | 3 12 | 1 33 | 27 32 | 7 42 | 20 46 | 20 56 | 8 34 | 17 56 | 4 28 |
| S 31 | 16s 1 | 12n13 | 4s58 | 22s 6 | 1s43 | 16s48 | 1s22 | 5s17 | 0s39 | 22n41 | 0s 7 | 22s33 | 0n57 | 10n 9 | 0n49 | 3n12 | 1n33 | 27n32 | 7n42 | 20n46 | 20n56 | 8s32 | 17n56 | 4s28 |

Julian Day Number = 2070967.5, Delta T = 28m05s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'07, Lahiri = 9°20'07 Julian Calendar 1 Jan. 958 == Greg. Calendar 6 Jan. 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## FEBRUARY 958 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 3 26 | 17♒24'01 | 29♉32 | 0♒45 | 19♒19 | 18♓59 | 15°R40 | 25♐34 | 5°R50 | 25°R31 | 1°R 2 | 27♋32 | 26♋38 | 17♓55 | 12°R 2 | M 1 |
| T 2 | 9 7 22 | 18°24'24 | 12♊30 | 2°20 | 20°34 | 19°45 | 15♊40 | 25°40 | 5♏48 | 25♏30 | 1♌ 1 | 27°33 | 26°35 | 18° 1 | 12♊ 1 | T 2 |
| W 3 | 9 11 19 | 19°24'45 | 25°53 | 3°56 | 21°49 | 20°30 | 15°39 | 25°45 | 5°45 | 25°29 | 0°59 | 27°35 | 26°32 | 18° 8 | 12° 0 | W 3 |
| T 4 | 9 15 15 | 20°25'04 | 9♋43 | 5°33 | 23° 4 | 21°15 | 15°D39 | 25°50 | 5°43 | 25°28 | 0°58 | 27°36 | 26°28 | 18°15 | 11°59 | T 4 |
| F 5 | 9 19 12 | 21°25'21 | 23°59 | 7°11 | 24°19 | 22° 1 | 15°39 | 25°55 | 5°41 | 25°26 | 0°57 | 27°R37 | 26°25 | 18°22 | 11°59 | F 5 |
| S 6 | 9 23 8 | 22°25'36 | 8♌40 | 8°51 | 25°34 | 22°46 | 15°39 | 26° 0 | 5°38 | 25°25 | 0°55 | 27°37 | 26°22 | 18°28 | 11°58 | S 6 |
| S 7 | 9 27 5 | 23°25'50 | 23°39 | 10°31 | 26°49 | 23°31 | 15°40 | 26° 5 | 5°36 | 25°24 | 0°54 | 27°35 | 26°19 | 18°35 | 11°58 | S 7 |
| M 8 | 9 31 1 | 24°26'01 | 8♍48 | 12°12 | 28° 4 | 24°17 | 15°40 | 26° 9 | 5°33 | 25°22 | 0°53 | 27°32 | 26°16 | 18°42 | 11°58 | M 8 |
| T 9 | 9 34 58 | 25°26'10 | 23°58 | 13°54 | 29°19 | 25° 2 | 15°41 | 26°14 | 5°30 | 25°21 | 0°51 | 27°28 | 26°13 | 18°48 | 11°57 | T 9 |
| W10 | 9 38 55 | 26°26'18 | 8♎57 | 15°37 | 0♓34 | 25°47 | 15°42 | 26°19 | 5°28 | 25°20 | 0°50 | 27°24 | 26° 9 | 18°55 | 11°57 | W10 |
| T 11 | 9 42 51 | 27°26'24 | 23°39 | 17°21 | 1°49 | 26°32 | 15°43 | 26°23 | 5°25 | 25°18 | 0°49 | 27°20 | 26° 6 | 19° 2 | 11°D57 | T 11 |
| F 12 | 9 46 48 | 28°26'29 | 7♏58 | 19° 7 | 3° 4 | 27°17 | 15°45 | 26°28 | 5°23 | 25°17 | 0°48 | 27°17 | 26° 3 | 19° 8 | 11°57 | F 12 |
| S 13 | 9 50 44 | 29°26'32 | 21°52 | 20°53 | 4°18 | 28° 2 | 15°46 | 26°32 | 5°20 | 25°15 | 0°46 | 27°16 | 26° 0 | 19°15 | 11°57 | S 13 |
| S 14 | 9 54 41 | 0♓26'33 | 5♐20 | 22°41 | 5°33 | 28°47 | 15°48 | 26°37 | 5°18 | 25°14 | 0°45 | 27°D16 | 25°57 | 19°22 | 11°58 | S 14 |
| M15 | 9 58 37 | 1°26'33 | 18°26 | 24°29 | 6°48 | 29°32 | 15°50 | 26°41 | 5°15 | 25°13 | 0°44 | 27°17 | 25°53 | 19°29 | 11°58 | M15 |
| T 16 | 10 2 34 | 2°26'31 | 1♑11 | 26°19 | 8° 3 | 0♈17 | 15°52 | 26°45 | 5°12 | 25°11 | 0°43 | 27°18 | 25°50 | 19°35 | 11°58 | T 16 |
| W17 | 10 6 30 | 3°26'27 | 13°39 | 28°10 | 9°18 | 1° 2 | 15°55 | 26°49 | 5°10 | 25°10 | 0°42 | 27°20 | 25°47 | 19°42 | 11°59 | W17 |
| T 18 | 10 10 27 | 4°26'22 | 25°55 | 0♓ 2 | 10°32 | 1°47 | 15°57 | 26°53 | 5° 7 | 25° 8 | 0°41 | 27°R21 | 25°44 | 19°49 | 11°59 | T 18 |
| F 19 | 10 14 24 | 5°26'14 | 8♒ 1 | 1°55 | 11°47 | 2°32 | 16° 0 | 26°57 | 5° 4 | 25° 7 | 0°39 | 27°20 | 25°41 | 19°55 | 12° 0 | F 19 |
| S 20 | 10 18 20 | 6°26'05 | 20° 0 | 3°49 | 13° 2 | 3°16 | 16° 3 | 27° 1 | 5° 2 | 25° 5 | 0°38 | 27°18 | 25°38 | 20° 2 | 12° 0 | S 20 |
| S 21 | 10 22 17 | 7°25'54 | 1♓54 | 5°44 | 14°16 | 4° 1 | 16° 6 | 27° 5 | 4°59 | 25° 3 | 0°37 | 27°13 | 25°34 | 20° 9 | 12° 1 | S 21 |
| M22 | 10 26 13 | 8°25'40 | 13°45 | 7°41 | 15°31 | 4°46 | 16° 9 | 27° 9 | 4°57 | 25° 2 | 0°36 | 27° 7 | 25°31 | 20°15 | 12° 2 | M22 |
| T 23 | 10 30 10 | 9°25'25 | 25°36 | 9°38 | 16°46 | 5°30 | 16°13 | 27°12 | 4°54 | 25° 0 | 0°35 | 26°59 | 25°28 | 20°22 | 12° 3 | T 23 |
| W24 | 10 34 6 | 10°25'08 | 7♈27 | 11°36 | 18° 0 | 6°15 | 16°17 | 27°16 | 4°51 | 24°59 | 0°34 | 26°50 | 25°25 | 20°29 | 12° 4 | W24 |
| T 25 | 10 38 3 | 11°24'48 | 19°21 | 13°35 | 19°15 | 6°59 | 16°20 | 27°19 | 4°49 | 24°57 | 0°33 | 26°42 | 25°22 | 20°35 | 12° 5 | T 25 |
| F 26 | 10 41 59 | 12°24'26 | 1♉19 | 15°34 | 20°30 | 7°44 | 16°24 | 27°23 | 4°46 | 24°56 | 0°32 | 26°34 | 25°19 | 20°42 | 12° 6 | F 26 |
| S 27 | 10 45 56 | 13°24'02 | 13°26 | 17°35 | 21°44 | 8°28 | 16°29 | 27°26 | 4°44 | 24°54 | 0°31 | 26°28 | 25°15 | 20°49 | 12° 7 | S 27 |
| S 28 | 10 49 52 | 14♓23'36 | 25♉43 | 19♓35 | 22♓59 | 9♈12 | 16♊33 | 27♐29 | 4♏41 | 24♏52 | 0♌30 | 26♋24 | 25♋12 | 20♓56 | 12♊ 9 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 15s42 | 15n48 | 4s28 | 21s50 | 1s47 | 16s25 | 1s23 | 4s58 | 0s38 | 22n41 | 0s 7 | 22s33 | 0n57 | 10n10 | 0n49 | 3n13 | 1n33 | 27n33 | 7n42 | 20n46 | 20n57 | 8s30 | 17n56 | 4s28 | M 1 |
| T 2 | 15 24 | 18 43 | 3 44 | 21 32 | 1 50 | 16 2 | 1 24 | 4 39 | 0 37 | 22 41 | 0 7 | 22 33 | 0 57 | 10 11 | 0 49 | 3 13 | 1 33 | 27 33 | 7 42 | 20 46 | 20 57 | 8 28 | 17 56 | 4 27 | T 2 |
| W 3 | 15 5 | 20 44 | 2 46 | 21 13 | 1 54 | 15 38 | 1 24 | 4 21 | 0 37 | 22 41 | 0 7 | 22 33 | 0 57 | 10 12 | 0 49 | 3 14 | 1 33 | 27 33 | 7 42 | 20 46 | 20 58 | 8 26 | 17 56 | 4 27 | W 3 |
| T 4 | 14 46 | 21 36 | 1 37 | 20 52 | 1 57 | 15 14 | 1 25 | 4 2 | 0 36 | 22 41 | 0 7 | 22 33 | 0 57 | 10 13 | 0 49 | 3 14 | 1 33 | 27 34 | 7 42 | 20 45 | 20 59 | 8 23 | 17 57 | 4 27 | T 4 |
| F 5 | 14 26 | 21 6 | 0 20 | 20 30 | 1 59 | 14 50 | 1 25 | 3 44 | 0 35 | 22 41 | 0 7 | 22 34 | 0 57 | 10 14 | 0 49 | 3 15 | 1 33 | 27 34 | 7 42 | 20 45 | 20 59 | 8 21 | 17 57 | 4 27 | F 5 |
| S 6 | 14 7 | 19 10 | 1n 1 | 20 6 | 2 2 | 14 24 | 1 25 | 3 25 | 0 35 | 22 41 | 0 6 | 22 34 | 0 57 | 10 15 | 0 49 | 3 15 | 1 33 | 27 34 | 7 42 | 20 45 | 21 0 | 8 19 | 17 57 | 4 26 | S 6 |
| S 7 | 13 47 | 15 53 | 2 18 | 19 41 | 2 4 | 13 59 | 1 26 | 3 6 | 0 34 | 22 42 | 0 6 | 22 34 | 0 57 | 10 16 | 0 49 | 3 16 | 1 33 | 27 35 | 7 42 | 20 46 | 21 0 | 8 17 | 17 57 | 4 26 | S 7 |
| M 8 | 13 27 | 11 31 | 3 27 | 19 14 | 2 5 | 13 33 | 1 26 | 2 48 | 0 33 | 22 42 | 0 6 | 22 34 | 0 57 | 10 17 | 0 49 | 3 16 | 1 33 | 27 35 | 7 42 | 20 46 | 21 1 | 8 15 | 17 57 | 4 26 | M 8 |
| T 9 | 13 7 | 6 25 | 4 21 | 18 46 | 2 6 | 13 7 | 1 26 | 2 29 | 0 32 | 22 42 | 0 6 | 22 34 | 0 57 | 10 18 | 0 49 | 3 17 | 1 33 | 27 35 | 7 42 | 20 47 | 21 2 | 8 13 | 17 58 | 4 26 | T 9 |
| W10 | 12 46 | 0 59 | 4 57 | 18 16 | 2 7 | 12 41 | 1 26 | 2 10 | 0 32 | 22 42 | 0 6 | 22 34 | 0 57 | 10 19 | 0 49 | 3 18 | 1 33 | 27 35 | 7 42 | 20 48 | 21 2 | 8 11 | 17 58 | 4 25 | W10 |
| T 11 | 12 26 | 4s24 | 5 12 | 17 44 | 2 7 | 12 14 | 1 26 | 1 52 | 0 31 | 22 43 | 0 6 | 22 34 | 0 57 | 10 20 | 0 49 | 3 18 | 1 33 | 27 36 | 7 42 | 20 49 | 21 3 | 8 8 | 17 58 | 4 25 | T 11 |
| F 12 | 12 5 | 9 23 | 5 8 | 17 11 | 2 7 | 11 47 | 1 26 | 1 33 | 0 30 | 22 43 | 0 5 | 22 35 | 0 57 | 10 21 | 0 49 | 3 19 | 1 33 | 27 36 | 7 42 | 20 49 | 21 3 | 8 6 | 17 58 | 4 25 | F 12 |
| S 13 | 11 44 | 13 45 | 4 45 | 16 36 | 2 6 | 11 19 | 1 26 | 1 14 | 0 30 | 22 43 | 0 5 | 22 35 | 0 57 | 10 22 | 0 49 | 3 19 | 1 33 | 27 36 | 7 42 | 20 49 | 21 4 | 8 4 | 17 59 | 4 25 | S 13 |
| S 14 | 11 23 | 17 16 | 4 7 | 16 0 | 2 5 | 10 51 | 1 26 | 0 56 | 0 29 | 22 44 | 0 5 | 22 35 | 0 57 | 10 23 | 0 49 | 3 20 | 1 34 | 27 37 | 7 42 | 20 49 | 21 5 | 8 2 | 17 59 | 4 24 | S 14 |
| M15 | 11 1 | 19 48 | 3 17 | 15 22 | 2 4 | 10 23 | 1 26 | 0 37 | 0 28 | 22 44 | 0 5 | 22 35 | 0 57 | 10 24 | 0 49 | 3 21 | 1 34 | 27 37 | 7 42 | 20 49 | 21 5 | 8 0 | 17 59 | 4 24 | M15 |
| T 16 | 10 40 | 21 16 | 2 18 | 14 43 | 2 1 | 9 55 | 1 25 | 0 18 | 0 28 | 22 44 | 0 5 | 22 35 | 0 57 | 10 25 | 0 49 | 3 21 | 1 34 | 27 37 | 7 42 | 20 49 | 21 6 | 7 58 | 17 59 | 4 24 | T 16 |
| W17 | 10 18 | 21 38 | 1 14 | 14 2 | 1 59 | 9 27 | 1 25 | 0n 0 | 0 27 | 22 45 | 0 5 | 22 35 | 0 57 | 10 26 | 0 49 | 3 22 | 1 34 | 27 37 | 7 42 | 20 48 | 21 6 | 7 55 | 18 0 | 4 24 | W17 |
| T 18 | 9 56 | 20 57 | 0 8 | 13 20 | 1 56 | 8 58 | 1 25 | 0 19 | 0 26 | 22 45 | 0 5 | 22 35 | 0 57 | 10 27 | 0 49 | 3 22 | 1 34 | 27 37 | 7 42 | 20 48 | 21 7 | 7 53 | 18 0 | 4 23 | T 18 |
| F 19 | 9 34 | 19 18 | 0s58 | 12 36 | 1 52 | 8 29 | 1 24 | 0 37 | 0 25 | 22 46 | 0 4 | 22 35 | 0 57 | 10 27 | 0 49 | 3 23 | 1 34 | 27 38 | 7 42 | 20 49 | 21 8 | 7 51 | 18 0 | 4 23 | F 19 |
| S 20 | 9 12 | 16 48 | 2 0 | 11 50 | 1 48 | 7 59 | 1 24 | 0 56 | 0 25 | 22 46 | 0 4 | 22 35 | 0 57 | 10 28 | 0 49 | 3 24 | 1 34 | 27 38 | 7 42 | 20 49 | 21 8 | 7 49 | 18 1 | 4 23 | S 20 |
| S 21 | 8 50 | 13 36 | 2 57 | 11 3 | 1 43 | 7 30 | 1 23 | 1 14 | 0 24 | 22 46 | 0 4 | 22 35 | 0 57 | 10 29 | 0 49 | 3 24 | 1 34 | 27 38 | 7 42 | 20 50 | 21 9 | 7 47 | 18 1 | 4 23 | S 21 |
| M22 | 8 27 | 9 53 | 3 45 | 10 15 | 1 38 | 7 0 | 1 22 | 1 33 | 0 23 | 22 47 | 0 4 | 22 35 | 0 57 | 10 30 | 0 49 | 3 25 | 1 34 | 27 38 | 7 42 | 20 51 | 21 9 | 7 44 | 18 1 | 4 22 | M22 |
| T 23 | 8 5 | 5 47 | 4 24 | 9 25 | 1 32 | 6 30 | 1 22 | 1 51 | 0 23 | 22 47 | 0 4 | 22 35 | 0 57 | 10 31 | 0 49 | 3 26 | 1 34 | 27 38 | 7 42 | 20 53 | 21 10 | 7 42 | 18 2 | 4 22 | T 23 |
| W24 | 7 42 | 1 29 | 4 51 | 8 34 | 1 26 | 6 0 | 1 21 | 2 10 | 0 22 | 22 48 | 0 4 | 22 36 | 0 57 | 10 32 | 0 49 | 3 26 | 1 34 | 27 39 | 7 42 | 20 54 | 21 11 | 7 40 | 18 2 | 4 22 | W24 |
| T 25 | 7 19 | 2n54 | 5 5 | 7 42 | 1 19 | 5 30 | 1 20 | 2 28 | 0 21 | 22 48 | 0 4 | 22 36 | 0 57 | 10 33 | 0 49 | 3 27 | 1 34 | 27 39 | 7 42 | 20 56 | 21 11 | 7 38 | 18 3 | 4 22 | T 25 |
| F 26 | 6 57 | 7 12 | 5 7 | 6 49 | 1 11 | 5 0 | 1 19 | 2 46 | 0 21 | 22 49 | 0 4 | 22 36 | 0 57 | 10 34 | 0 49 | 3 28 | 1 34 | 27 39 | 7 42 | 20 57 | 21 12 | 7 36 | 18 3 | 4 21 | F 26 |
| S 27 | 6 34 | 11 16 | 4 55 | 5 54 | 1 3 | 4 29 | 1 18 | 3 4 | 0 20 | 22 50 | 0 3 | 22 36 | 0 57 | 10 35 | 0 49 | 3 28 | 1 34 | 27 39 | 7 41 | 20 59 | 21 12 | 7 34 | 18 3 | 4 21 | S 27 |
| S 28 | 6s11 | 14n56 | 4s29 | 4s59 | 0s54 | 3s59 | 1s17 | 3n23 | 0s19 | 22n50 | 0s 3 | 22s36 | 0n57 | 10n36 | 0n49 | 3n29 | 1n34 | 27n39 | 7n41 | 20n59 | 21n13 | 7s31 | 18n 4 | 4s21 | S 28 |

Julian Day Number = 2070998.5, Delta T = 28m05s
Ecliptic obliquity = 23°34'23, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'11, Lahiri = 9°20'11 Julian Calendar 1 Feb. 958 == Greg. Calendar 6 Feb. 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## MARCH 958 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 53 49 | 15♓23'07 | 8♊15 | 21♓36 | 24♓13 | 9♈57 | 16♊37 | 27♐32 | 4°R39 | 24°R51 | 0°R29 | 26°R22 | 25♋ 9 | 21♓ 2 | 12♊10 | M 1 |
| T 2 | 10 57 46 | 16°22'36 | 21° 6 | 23°37 | 25°28 | 10°41 | 16°42 | 27°35 | 4♍36 | 24♍49 | 0♌28 | 26°D22 | 25° 6 | 21° 9 | 12°12 | T 2 |
| W 3 | 11 1 42 | 17°22'03 | 4♋20 | 25°37 | 26°42 | 11°25 | 16°47 | 27°38 | 4°33 | 24°47 | 0°27 | 26♋23 | 25° 3 | 21°16 | 12°13 | W 3 |
| T 4 | 11 5 39 | 18°21'27 | 18° 0 | 27°37 | 27°57 | 12° 9 | 16°52 | 27°41 | 4°31 | 24°46 | 0°26 | 26°24 | 24°59 | 21°22 | 12°15 | T 4 |
| F 5 | 11 9 35 | 19°20'49 | 2♌ 8 | 29°36 | 29°11 | 12°54 | 16°57 | 27°44 | 4°28 | 24°44 | 0°25 | 26°R24 | 24°56 | 21°29 | 12°16 | F 5 |
| S 6 | 11 13 32 | 20°20'09 | 16°43 | 1♈34 | 0♈26 | 13°38 | 17° 3 | 27°47 | 4°26 | 24°43 | 0°25 | 26°22 | 24°53 | 21°36 | 12°18 | S 6 |
| S 7 | 11 17 28 | 21°19'26 | 1♍41 | 3°30 | 1°40 | 14°22 | 17° 8 | 27°49 | 4°23 | 24°41 | 0°24 | 26°18 | 24°50 | 21°42 | 12°20 | S 7 |
| M 8 | 11 21 25 | 22°18'41 | 16°55 | 5°24 | 2°54 | 15° 6 | 17°14 | 27°52 | 4°21 | 24°39 | 0°23 | 26°12 | 24°47 | 21°49 | 12°22 | M 8 |
| T 9 | 11 25 21 | 23°17'54 | 2♎15 | 7°16 | 4° 9 | 15°50 | 17°20 | 27°54 | 4°19 | 24°38 | 0°22 | 26° 4 | 24°44 | 21°56 | 12°24 | T 9 |
| W10 | 11 29 18 | 24°17'05 | 17°29 | 9° 5 | 5°23 | 16°33 | 17°26 | 27°56 | 4°16 | 24°36 | 0°21 | 25°55 | 24°40 | 22° 3 | 12°26 | W10 |
| T 11 | 11 33 15 | 25°16'13 | 2♏28 | 10°51 | 6°37 | 17°17 | 17°32 | 27°59 | 4°14 | 24°34 | 0°21 | 25°47 | 24°37 | 22° 9 | 12°28 | T 11 |
| F 12 | 11 37 11 | 26°15'20 | 17° 2 | 12°33 | 7°52 | 18° 1 | 17°38 | 28° 1 | 4°11 | 24°33 | 0°20 | 25°39 | 24°34 | 22°16 | 12°30 | F 12 |
| S 13 | 11 41 8 | 27°14'26 | 1♐ 7 | 14°11 | 9° 6 | 18°45 | 17°45 | 28° 3 | 4° 9 | 24°31 | 0°19 | 25°34 | 24°31 | 22°23 | 12°33 | S 13 |
| S 14 | 11 45 4 | 28°13'29 | 14°43 | 15°45 | 10°20 | 19°29 | 17°51 | 28° 5 | 4° 7 | 24°29 | 0°19 | 25°31 | 24°28 | 22°29 | 12°35 | S 14 |
| M15 | 11 49 1 | 29°12'31 | 27°51 | 17°15 | 11°34 | 20°12 | 17°58 | 28° 7 | 4° 4 | 24°28 | 0°18 | 25°D31 | 24°24 | 22°36 | 12°38 | M15 |
| T 16 | 11 52 57 | 0♈11'31 | 10♑34 | 18°39 | 12°48 | 20°56 | 18° 5 | 28° 8 | 4° 2 | 24°26 | 0°17 | 25°31 | 24°21 | 22°43 | 12°40 | T 16 |
| W17 | 11 56 54 | 1°10'29 | 22°58 | 19°58 | 14° 2 | 21°39 | 18°12 | 28°10 | 4° 0 | 24°24 | 0°17 | 25°R31 | 24°18 | 22°49 | 12°43 | W17 |
| T 18 | 12 0 50 | 2° 9'25 | 5♒ 7 | 21°12 | 15°17 | 22°23 | 18°19 | 28°12 | 3°58 | 24°23 | 0°16 | 25°31 | 24°15 | 22°56 | 12°45 | T 18 |
| F 19 | 12 4 47 | 3° 8'19 | 17° 5 | 22°20 | 16°31 | 23° 6 | 18°27 | 28°13 | 3°56 | 24°21 | 0°16 | 25°29 | 24°12 | 23° 3 | 12°48 | F 19 |
| S 20 | 12 8 44 | 4° 7'12 | 28°58 | 23°22 | 17°45 | 23°50 | 18°34 | 28°14 | 3°53 | 24°19 | 0°15 | 25°24 | 24° 9 | 23°10 | 12°51 | S 20 |
| S 21 | 12 12 40 | 5° 6'02 | 10♓48 | 24°19 | 18°59 | 24°33 | 18°42 | 28°16 | 3°51 | 24°18 | 0°15 | 25°16 | 24° 5 | 23°16 | 12°54 | S 21 |
| M22 | 12 16 37 | 6° 4'51 | 22°37 | 25° 9 | 20°13 | 25°16 | 18°50 | 28°17 | 3°49 | 24°16 | 0°14 | 25° 6 | 24° 2 | 23°23 | 12°57 | M22 |
| T 23 | 12 20 33 | 7° 3'38 | 4♈29 | 25°53 | 21°27 | 26° 0 | 18°57 | 28°18 | 3°47 | 24°15 | 0°14 | 24°54 | 23°59 | 23°30 | 13° 0 | T 23 |
| W24 | 12 24 30 | 8° 2'22 | 16°24 | 26°31 | 22°41 | 26°43 | 19° 5 | 28°19 | 3°45 | 24°13 | 0°14 | 24°40 | 23°56 | 23°36 | 13° 3 | W24 |
| T 25 | 12 28 26 | 9° 1'05 | 28°24 | 27° 2 | 23°55 | 27°26 | 19°14 | 28°20 | 3°43 | 24°11 | 0°13 | 24°27 | 23°53 | 23°43 | 13° 6 | T 25 |
| F 26 | 12 32 23 | 9°59'45 | 10♉30 | 27°27 | 25° 9 | 28° 9 | 19°22 | 28°20 | 3°41 | 24°10 | 0°13 | 24°14 | 23°50 | 23°50 | 13° 9 | F 26 |
| S 27 | 12 36 19 | 10°58'24 | 22°43 | 27°46 | 26°23 | 28°52 | 19°30 | 28°21 | 3°39 | 24° 8 | 0°12 | 24° 4 | 23°46 | 23°57 | 13°12 | S 27 |
| S 28 | 12 40 16 | 11°57'00 | 5♊ 6 | 27°59 | 27°36 | 29°35 | 19°39 | 28°22 | 3°37 | 24° 7 | 0°12 | 23°57 | 23°43 | 24° 3 | 13°16 | S 28 |
| M29 | 12 44 12 | 12°55'34 | 17°42 | 28° 5 | 28°50 | 0♉18 | 19°47 | 28°22 | 3°35 | 24° 5 | 0°12 | 23°52 | 23°40 | 24°10 | 13°19 | M29 |
| T 30 | 12 48 9 | 13°54'06 | 0♋33 | 28°R 6 | 0♉ 4 | 1° 1 | 19°56 | 28°23 | 3°34 | 24° 4 | 0°12 | 23°50 | 23°37 | 24°17 | 13°22 | T 30 |
| W31 | 12 52 6 | 14♈52'36 | 13♋43 | 28♈ 0 | 1♉18 | 1♉44 | 20♊ 5 | 28♐23 | 3♍32 | 24♍ 2 | 0♌11 | 23°D49 | 23♋34 | 24♓23 | 13♊26 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s47 | 18n 1 | 3s50 | 4s 2 | 0s45 | 3s28 | 1s16 | 3n41 | 0s18 | 22n51 | 0s 3 | 22s36 | 0n57 | 10n37 | 0n49 | 3n30 | 1n34 | 27n39 | 7n41 | 21n 0 | 21n13 | 7s29 | 18n 4 | 4s21 |
| T 2 | 5 24 | 20 18 | 2 58 | 3 6 | 0 35 | 2 57 | 1 15 | 3 59 | 0 18 | 22 51 | 0 3 | 22 36 | 0 57 | 10 38 | 0 49 | 3 30 | 1 34 | 27 40 | 7 41 | 21 0 | 21 14 | 7 27 | 18 5 | 4 20 |
| W 3 | 5 1 | 21 34 | 1 56 | 2 8 | 0 25 | 2 26 | 1 14 | 4 17 | 0 17 | 22 52 | 0 3 | 22 36 | 0 57 | 10 39 | 0 49 | 3 31 | 1 34 | 27 40 | 7 41 | 21 0 | 21 15 | 7 25 | 18 5 | 4 20 |
| T 4 | 4 38 | 21 37 | 0 45 | 1 11 | 0 15 | 1 56 | 1 12 | 4 35 | 0 16 | 22 53 | 0 3 | 22 36 | 0 57 | 10 40 | 0 49 | 3 32 | 1 34 | 27 40 | 7 41 | 20 59 | 21 15 | 7 22 | 18 5 | 4 20 |
| F 5 | 4 14 | 20 18 | 0n31 | 0 13 | 0 3 | 1 25 | 1 11 | 4 53 | 0 16 | 22 53 | 0 3 | 22 36 | 0 57 | 10 41 | 0 49 | 3 32 | 1 34 | 27 40 | 7 41 | 20 59 | 21 16 | 7 20 | 18 6 | 4 20 |
| S 6 | 3 51 | 17 37 | 1 47 | 0n45 | 0n 8 | 0 54 | 1 10 | 5 11 | 0 15 | 22 54 | 0 2 | 22 36 | 0 57 | 10 42 | 0 49 | 3 33 | 1 34 | 27 40 | 7 41 | 21 0 | 21 16 | 7 18 | 18 6 | 4 19 |
| S 7 | 3 28 | 13 42 | 2 57 | 1 42 | 0 20 | 0 23 | 1 8 | 5 28 | 0 14 | 22 55 | 0 2 | 22 36 | 0 57 | 10 42 | 0 49 | 3 34 | 1 34 | 27 40 | 7 41 | 21 0 | 21 17 | 7 16 | 18 7 | 4 19 |
| M 8 | 3 4 | 8 49 | 3 57 | 2 38 | 0 32 | 0n 9 | 1 7 | 5 46 | 0 14 | 22 55 | 0 2 | 22 36 | 0 57 | 10 43 | 0 49 | 3 34 | 1 34 | 27 40 | 7 41 | 21 2 | 21 17 | 7 14 | 18 7 | 4 19 |
| T 9 | 2 40 | 3 22 | 4 39 | 3 34 | 0 44 | 0 40 | 1 5 | 6 4 | 0 13 | 22 56 | 0 2 | 22 36 | 0 57 | 10 44 | 0 49 | 3 35 | 1 34 | 27 40 | 7 41 | 21 3 | 21 18 | 7 11 | 18 8 | 4 19 |
| W10 | 2 17 | 2s16 | 5 2 | 4 28 | 0 56 | 1 11 | 1 4 | 6 21 | 0 12 | 22 57 | 0 2 | 22 36 | 0 57 | 10 45 | 0 49 | 3 36 | 1 34 | 27 40 | 7 41 | 21 5 | 21 19 | 7 9 | 18 8 | 4 19 |
| T 11 | 1 53 | 7 39 | 5 3 | 5 21 | 1 8 | 1 42 | 1 2 | 6 39 | 0 12 | 22 57 | 0 2 | 22 36 | 0 57 | 10 46 | 0 49 | 3 36 | 1 34 | 27 40 | 7 40 | 21 6 | 21 19 | 7 7 | 18 9 | 4 18 |
| F 12 | 1 30 | 12 28 | 4 44 | 6 12 | 1 20 | 2 13 | 1 0 | 6 56 | 0 11 | 22 58 | 0 2 | 22 36 | 0 58 | 10 47 | 0 49 | 3 37 | 1 34 | 27 40 | 7 40 | 21 8 | 21 20 | 7 5 | 18 9 | 4 18 |
| S 13 | 1 6 | 16 27 | 4 9 | 7 2 | 1 31 | 2 44 | 0 58 | 7 14 | 0 10 | 22 59 | 0 2 | 22 36 | 0 58 | 10 48 | 0 49 | 3 38 | 1 34 | 27 40 | 7 40 | 21 9 | 21 20 | 7 2 | 18 10 | 4 18 |
| S 14 | 0 43 | 19 23 | 3 20 | 7 49 | 1 43 | 3 15 | 0 57 | 7 31 | 0 10 | 22 59 | 0 1 | 22 36 | 0 58 | 10 49 | 0 49 | 3 38 | 1 34 | 27 41 | 7 40 | 21 9 | 21 21 | 7 0 | 18 10 | 4 18 |
| M15 | 0 19 | 21 11 | 2 22 | 8 34 | 1 54 | 3 46 | 0 55 | 7 48 | 0 9 | 23 0 | 0 1 | 22 36 | 0 58 | 10 49 | 0 49 | 3 39 | 1 34 | 27 41 | 7 40 | 21 9 | 21 21 | 6 58 | 18 11 | 4 17 |
| T 16 | 0n 5 | 21 50 | 1 19 | 9 16 | 2 5 | 4 16 | 0 53 | 8 5 | 0 8 | 23 1 | 0 1 | 22 36 | 0 58 | 10 50 | 0 48 | 3 40 | 1 34 | 27 41 | 7 40 | 21 9 | 21 22 | 6 56 | 18 12 | 4 17 |
| W17 | 0 28 | 21 23 | 0 14 | 9 56 | 2 15 | 4 47 | 0 51 | 8 22 | 0 7 | 23 2 | 0 1 | 22 36 | 0 58 | 10 51 | 0 48 | 3 40 | 1 34 | 27 41 | 7 40 | 21 9 | 21 23 | 6 53 | 18 12 | 4 17 |
| T 18 | 0 52 | 19 55 | 0s51 | 10 32 | 2 24 | 5 18 | 0 49 | 8 39 | 0 7 | 23 2 | 0 1 | 22 36 | 0 58 | 10 52 | 0 48 | 3 41 | 1 34 | 27 41 | 7 40 | 21 9 | 21 23 | 6 51 | 18 13 | 4 17 |
| F 19 | 1 15 | 17 35 | 1 52 | 11 6 | 2 33 | 5 48 | 0 47 | 8 56 | 0 6 | 23 3 | 0 1 | 22 36 | 0 58 | 10 53 | 0 48 | 3 42 | 1 34 | 27 41 | 7 40 | 21 10 | 21 24 | 6 49 | 18 13 | 4 16 |
| S 20 | 1 39 | 14 31 | 2 48 | 11 37 | 2 41 | 6 19 | 0 45 | 9 13 | 0 5 | 23 4 | 0 1 | 22 36 | 0 58 | 10 53 | 0 48 | 3 42 | 1 34 | 27 41 | 7 39 | 21 11 | 21 24 | 6 47 | 18 14 | 4 16 |
| S 21 | 2 2 | 10 53 | 3 36 | 12 4 | 2 48 | 6 49 | 0 43 | 9 29 | 0 5 | 23 5 | 0 1 | 22 36 | 0 58 | 10 54 | 0 48 | 3 43 | 1 34 | 27 41 | 7 39 | 21 12 | 21 25 | 6 44 | 18 14 | 4 16 |
| M22 | 2 26 | 6 50 | 4 15 | 12 29 | 2 54 | 7 19 | 0 41 | 9 46 | 0 4 | 23 5 | 0 1 | 22 36 | 0 58 | 10 55 | 0 48 | 3 44 | 1 34 | 27 41 | 7 39 | 21 14 | 21 25 | 6 42 | 18 15 | 4 16 |
| T 23 | 2 49 | 2 31 | 4 42 | 12 50 | 2 59 | 7 49 | 0 39 | 10 2 | 0 4 | 23 6 | 0 0 | 22 36 | 0 58 | 10 56 | 0 48 | 3 44 | 1 34 | 27 41 | 7 39 | 21 16 | 21 26 | 6 40 | 18 15 | 4 16 |
| W24 | 3 12 | 1n54 | 4 58 | 13 7 | 3 3 | 8 19 | 0 36 | 10 19 | 0 3 | 23 7 | 0 0 | 22 36 | 0 58 | 10 56 | 0 48 | 3 45 | 1 34 | 27 41 | 7 39 | 21 19 | 21 26 | 6 38 | 18 16 | 4 15 |
| T 25 | 3 36 | 6 17 | 5 0 | 13 21 | 3 6 | 8 48 | 0 34 | 10 35 | 0 2 | 23 8 | 0 0 | 22 36 | 0 58 | 10 57 | 0 48 | 3 45 | 1 34 | 27 41 | 7 39 | 21 21 | 21 27 | 6 35 | 18 17 | 4 15 |
| F 26 | 3 59 | 10 29 | 4 49 | 13 32 | 3 7 | 9 17 | 0 32 | 10 51 | 0 2 | 23 9 | 0 0 | 22 36 | 0 58 | 10 58 | 0 48 | 3 46 | 1 34 | 27 40 | 7 39 | 21 23 | 21 28 | 6 33 | 18 17 | 4 15 |
| S 27 | 4 22 | 14 17 | 4 25 | 13 39 | 3 8 | 9 47 | 0 29 | 11 7 | 0 1 | 23 9 | 0n 0 | 22 36 | 0 58 | 10 58 | 0 48 | 3 47 | 1 34 | 27 40 | 7 39 | 21 25 | 21 28 | 6 31 | 18 18 | 4 15 |
| S 28 | 4 45 | 17 32 | 3 47 | 13 43 | 3 7 | 10 15 | 0 27 | 11 23 | 0 0 | 23 10 | 0 0 | 22 36 | 0 58 | 10 59 | 0 48 | 3 47 | 1 34 | 27 40 | 7 38 | 21 26 | 21 29 | 6 29 | 18 18 | 4 15 |
| M29 | 5 8 | 20 2 | 2 59 | 13 43 | 3 4 | 10 44 | 0 25 | 11 39 | 0n 0 | 23 11 | 0 0 | 22 36 | 0 58 | 11 0 | 0 48 | 3 48 | 1 34 | 27 40 | 7 38 | 21 27 | 21 29 | 6 26 | 18 19 | 4 14 |
| T 30 | 5 31 | 21 35 | 2 0 | 13 40 | 3 1 | 11 13 | 0 22 | 11 55 | 0 1 | 23 12 | 0 0 | 22 36 | 0 58 | 11 0 | 0 48 | 3 48 | 1 34 | 27 40 | 7 38 | 21 28 | 21 30 | 6 24 | 18 20 | 4 14 |
| W31 | 5n54 | 21n59 | 0s53 | 13n33 | 2n56 | 11n41 | 0s20 | 12n10 | 0n 2 | 23n13 | 0n 0 | 22s36 | 0n58 | 11n 1 | 0n48 | 3n49 | 1n34 | 27n40 | 7n38 | 21n28 | 21n30 | 6s22 | 18n20 | 4s14 |

Julian Day Number = 2071026.5, Delta T = 28m05s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'15, Lahiri = 9°20'15 Julian Calendar 1 March 958 == Greg. Calendar 6 March 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## APRIL 958 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 56 2 | 15♈51'03 | 27♋14 | 27°R49 | 2♉32 | 2♉27 | 20♊14 | 28♐23 | 3°R30 | 24°R 1 | 0°R11 | 23°R49 | 23♋30 | 24♓30 | 13♊29 | T 1 |
| F 2 | 12 59 59 | 16°49'29 | 11♌10 | 27♈33 | 3°45 | 3°10 | 20°23 | 28°R23 | 3♍28 | 23♍59 | 0♌11 | 23♋49 | 23°27 | 24°37 | 13°33 | F 2 |
| S 3 | 13 3 55 | 17°47'52 | 25°32 | 27°12 | 4°59 | 3°52 | 20°33 | 28°23 | 3°27 | 23°58 | 0°11 | 23°46 | 23°24 | 24°43 | 13°37 | S 3 |
| S 4 | 13 7 52 | 18°46'13 | 10♍16 | 26°46 | 6°13 | 4°35 | 20°42 | 28°23 | 3°25 | 23°56 | 0°11 | 23°41 | 23°21 | 24°50 | 13°41 | S 4 |
| M 5 | 13 11 48 | 19°44'31 | 25°18 | 26°17 | 7°26 | 5°18 | 20°51 | 28°23 | 3°24 | 23°55 | 0°11 | 23°33 | 23°18 | 24°57 | 13°44 | M 5 |
| T 6 | 13 15 45 | 20°42'48 | 10♎30 | 25°44 | 8°40 | 6° 0 | 21° 1 | 28°22 | 3°22 | 23°53 | 0°11 | 23°23 | 23°15 | 25° 4 | 13°48 | T 6 |
| W 7 | 13 19 41 | 21°41'03 | 25°42 | 25° 9 | 9°53 | 6°43 | 21°11 | 28°22 | 3°21 | 23°52 | 0°D11 | 23°12 | 23°11 | 25°10 | 13°52 | W 7 |
| T 8 | 13 23 38 | 22°39'16 | 10♏42 | 24°31 | 11° 7 | 7°25 | 21°20 | 28°22 | 3°19 | 23°50 | 0°11 | 23° 1 | 23° 8 | 25°17 | 13°56 | T 8 |
| F 9 | 13 27 35 | 23°37'27 | 25°21 | 23°53 | 12°20 | 8° 8 | 21°30 | 28°21 | 3°18 | 23°49 | 0°11 | 22°52 | 23° 5 | 25°24 | 14° 0 | F 9 |
| S 10 | 13 31 31 | 24°35'37 | 9♐34 | 23°14 | 13°34 | 8°50 | 21°40 | 28°20 | 3°17 | 23°48 | 0°11 | 22°44 | 23° 2 | 25°30 | 14° 4 | S 10 |
| S 11 | 13 35 28 | 25°33'45 | 23°17 | 22°35 | 14°47 | 9°32 | 21°50 | 28°20 | 3°15 | 23°46 | 0°11 | 22°40 | 22°59 | 25°37 | 14° 8 | S 11 |
| M12 | 13 39 24 | 26°31'52 | 6♑30 | 21°56 | 16° 1 | 10°15 | 22° 0 | 28°19 | 3°14 | 23°45 | 0°11 | 22°38 | 22°55 | 25°44 | 14°12 | M12 |
| T 13 | 13 43 21 | 27°29'58 | 19°18 | 21°20 | 17°14 | 10°57 | 22°11 | 28°18 | 3°13 | 23°44 | 0°11 | 22°37 | 22°52 | 25°51 | 14°17 | T 13 |
| W14 | 13 47 17 | 28°28'02 | 1♒44 | 20°45 | 18°27 | 11°39 | 22°21 | 28°17 | 3°12 | 23°42 | 0°11 | 22°37 | 22°49 | 25°57 | 14°21 | W14 |
| T 15 | 13 51 14 | 29°26'04 | 13°53 | 20°13 | 19°41 | 12°21 | 22°31 | 28°15 | 3°11 | 23°41 | 0°12 | 22°36 | 22°46 | 26° 4 | 14°25 | T 15 |
| F 16 | 13 55 10 | 0♓24'05 | 25°50 | 19°44 | 20°54 | 13° 3 | 22°42 | 28°14 | 3°10 | 23°40 | 0°12 | 22°34 | 22°43 | 26°11 | 14°29 | F 16 |
| S 17 | 13 59 7 | 1°22'05 | 7♈42 | 19°19 | 22° 7 | 13°45 | 22°53 | 28°13 | 3° 8 | 23°39 | 0°12 | 22°30 | 22°40 | 26°17 | 14°34 | S 17 |
| S 18 | 14 3 4 | 2°20'03 | 19°31 | 18°57 | 23°21 | 14°27 | 23° 3 | 28°11 | 3° 8 | 23°37 | 0°12 | 22°22 | 22°36 | 26°24 | 14°38 | S 18 |
| M19 | 14 7 0 | 3°17'59 | 1♉22 | 18°40 | 24°34 | 15° 9 | 23°14 | 28°10 | 3° 7 | 23°36 | 0°13 | 22°12 | 22°33 | 26°31 | 14°43 | M19 |
| T 20 | 14 10 57 | 4°15'55 | 13°17 | 18°27 | 25°47 | 15°51 | 23°25 | 28° 8 | 3° 6 | 23°35 | 0°13 | 22° 0 | 22°30 | 26°37 | 14°47 | T 20 |
| W21 | 14 14 53 | 5°13'48 | 25°18 | 18°18 | 27° 0 | 16°33 | 23°36 | 28° 7 | 3° 5 | 23°34 | 0°13 | 21°47 | 22°27 | 26°44 | 14°52 | W21 |
| T 22 | 14 18 50 | 6°11'41 | 7♉27 | 18°D14 | 28°13 | 17°15 | 23°47 | 28° 5 | 3° 4 | 23°33 | 0°14 | 21°34 | 22°24 | 26°51 | 14°57 | T 22 |
| F 23 | 14 22 46 | 7° 9'31 | 19°44 | 18°15 | 29°26 | 17°57 | 23°58 | 28° 3 | 3° 3 | 23°32 | 0°14 | 21°21 | 22°21 | 26°58 | 15° 1 | F 23 |
| S 24 | 14 26 43 | 8° 7'21 | 2♊11 | 18°20 | 0♊39 | 18°39 | 24° 9 | 28° 1 | 3° 3 | 23°30 | 0°15 | 21°11 | 22°17 | 27° 4 | 15° 6 | S 24 |
| S 25 | 14 30 39 | 9° 5'09 | 14°48 | 18°30 | 1°52 | 19°20 | 24°21 | 27°59 | 3° 2 | 23°29 | 0°15 | 21° 4 | 22°14 | 27°11 | 15°11 | S 25 |
| M26 | 14 34 36 | 10° 2'55 | 27°35 | 18°44 | 3° 5 | 20° 2 | 24°32 | 27°57 | 3° 2 | 23°28 | 0°16 | 20°59 | 22°11 | 27°18 | 15°15 | M26 |
| T 27 | 14 38 33 | 11° 0'39 | 10♋36 | 19° 3 | 4°18 | 20°43 | 24°43 | 27°54 | 3° 1 | 23°27 | 0°16 | 20°57 | 22° 8 | 27°24 | 15°20 | T 27 |
| W28 | 14 42 29 | 11°58'22 | 23°51 | 19°26 | 5°31 | 21°25 | 24°55 | 27°52 | 3° 1 | 23°26 | 0°17 | 20°D57 | 22° 5 | 27°31 | 15°25 | W28 |
| T 29 | 14 46 26 | 12°56'03 | 7♌23 | 19°54 | 6°44 | 22° 7 | 25° 6 | 27°50 | 3° 0 | 23°25 | 0°17 | 20°R57 | 22° 1 | 27°38 | 15°30 | T 29 |
| F 30 | 14 50 22 | 13♉53'43 | 21♌14 | 20♈25 | 7♊57 | 22♉48 | 25♊18 | 27♐47 | 3♍ 0 | 23♍25 | 0♌18 | 20♋57 | 21♋58 | 27♓45 | 15♊35 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n16 | 21n 7 | 0n18 | 13n23 | 2n49 | 12n 9 | 0s18 | 12n26 | 0n 2 | 23n13 | 0n 1 | 22s36 | 0n58 | 11n 1 | 0n48 | 3n50 | 1n34 | 27n40 | 7n38 | 21n28 | 21n31 | 6s19 | 18n21 | 4s14 |
| F 2 | 6 39 | 18 58 | 1 30 | 13 10 | 2 41 | 12 36 | 0 15 | 12 41 | 0 3 | 23 14 | 0 1 | 22 36 | 0 58 | 11 2 | 0 48 | 3 50 | 1 34 | 27 40 | 7 38 | 21 28 | 21 31 | 6 17 | 18 21 | 4 14 |
| S 3 | 7 1 | 15 35 | 2 39 | 12 54 | 2 32 | 13 3 | 0 13 | 12 56 | 0 4 | 23 15 | 0 1 | 22 36 | 0 58 | 11 3 | 0 48 | 3 51 | 1 34 | 27 40 | 7 38 | 21 28 | 21 32 | 6 15 | 18 22 | 4 13 |
| S 4 | 7 24 | 11 8 | 3 39 | 12 34 | 2 22 | 13 30 | 0 10 | 13 11 | 0 4 | 23 16 | 0 1 | 22 36 | 0 58 | 11 3 | 0 48 | 3 51 | 1 34 | 27 40 | 7 37 | 21 29 | 21 32 | 6 13 | 18 23 | 4 13 |
| M 5 | 7 46 | 5 56 | 4 25 | 12 13 | 2 10 | 13 57 | 0 8 | 13 26 | 0 5 | 23 16 | 0 1 | 22 36 | 0 58 | 11 4 | 0 48 | 3 52 | 1 34 | 27 40 | 7 37 | 21 30 | 21 33 | 6 10 | 18 23 | 4 13 |
| T 6 | 8 8 | 0 18 | 4 53 | 11 49 | 1 57 | 14 23 | 0 5 | 13 41 | 0 6 | 23 17 | 0 1 | 22 36 | 0 58 | 11 4 | 0 48 | 3 53 | 1 34 | 27 40 | 7 37 | 21 32 | 21 34 | 6 8 | 18 24 | 4 13 |
| W 7 | 8 30 | 5s20 | 5 0 | 11 23 | 1 43 | 14 49 | 0 2 | 13 56 | 0 6 | 23 18 | 0 1 | 22 36 | 0 58 | 11 5 | 0 48 | 3 53 | 1 34 | 27 39 | 7 37 | 21 34 | 21 34 | 6 6 | 18 25 | 4 13 |
| T 8 | 8 52 | 10 35 | 4 46 | 10 55 | 1 28 | 15 15 | 0n 0 | 14 10 | 0 7 | 23 19 | 0 1 | 22 36 | 0 58 | 11 5 | 0 48 | 3 54 | 1 34 | 27 39 | 7 37 | 21 36 | 21 35 | 6 3 | 18 25 | 4 13 |
| F 9 | 9 13 | 15 6 | 4 14 | 10 26 | 1 12 | 15 40 | 0 3 | 14 25 | 0 7 | 23 19 | 0 1 | 22 36 | 0 58 | 11 6 | 0 48 | 3 54 | 1 34 | 27 39 | 7 37 | 21 37 | 21 35 | 6 1 | 18 26 | 4 12 |
| S 10 | 9 35 | 18 36 | 3 26 | 9 56 | 0 56 | 16 5 | 0 5 | 14 39 | 0 8 | 23 20 | 0 2 | 22 36 | 0 58 | 11 6 | 0 48 | 3 55 | 1 34 | 27 39 | 7 37 | 21 39 | 21 36 | 5 59 | 18 26 | 4 12 |
| S 11 | 9 56 | 20 56 | 2 28 | 9 26 | 0 39 | 16 29 | 0 8 | 14 53 | 0 9 | 23 21 | 0 2 | 22 36 | 0 58 | 11 7 | 0 48 | 3 55 | 1 34 | 27 39 | 7 37 | 21 39 | 21 36 | 5 57 | 18 27 | 4 12 |
| M12 | 10 17 | 22 1 | 1 24 | 8 56 | 0 22 | 16 53 | 0 11 | 15 7 | 0 9 | 23 22 | 0 2 | 22 36 | 0 58 | 11 7 | 0 48 | 3 56 | 1 34 | 27 39 | 7 36 | 21 40 | 21 37 | 5 54 | 18 28 | 4 12 |
| T 13 | 10 38 | 21 53 | 0 18 | 8 26 | 0 5 | 17 17 | 0 13 | 15 21 | 0 10 | 23 22 | 0 2 | 22 36 | 0 58 | 11 7 | 0 48 | 3 56 | 1 34 | 27 38 | 7 36 | 21 40 | 21 37 | 5 52 | 18 28 | 4 12 |
| W14 | 10 59 | 20 40 | 0s48 | 7 58 | 0s12 | 17 40 | 0 16 | 15 35 | 0 10 | 23 23 | 0 2 | 22 36 | 0 58 | 11 8 | 0 48 | 3 57 | 1 34 | 27 38 | 7 36 | 21 40 | 21 38 | 5 50 | 18 29 | 4 12 |
| T 15 | 11 20 | 18 30 | 1 50 | 7 30 | 0 29 | 18 3 | 0 18 | 15 48 | 0 11 | 23 24 | 0 2 | 22 36 | 0 58 | 11 8 | 0 48 | 3 57 | 1 34 | 27 38 | 7 36 | 21 40 | 21 38 | 5 47 | 18 30 | 4 12 |
| F 16 | 11 41 | 15 35 | 2 46 | 7 4 | 0 45 | 18 25 | 0 21 | 16 2 | 0 12 | 23 24 | 0 2 | 22 36 | 0 58 | 11 9 | 0 48 | 3 58 | 1 34 | 27 38 | 7 36 | 21 40 | 21 39 | 5 45 | 18 30 | 4 11 |
| S 17 | 12 1 | 12 2 | 3 34 | 6 39 | 1 1 | 18 47 | 0 24 | 16 15 | 0 12 | 23 25 | 0 2 | 22 36 | 0 58 | 11 9 | 0 48 | 3 58 | 1 34 | 27 38 | 7 36 | 21 41 | 21 39 | 5 43 | 18 31 | 4 11 |
| S 18 | 12 21 | 8 3 | 4 13 | 6 17 | 1 17 | 19 8 | 0 26 | 16 28 | 0 13 | 23 26 | 0 2 | 22 35 | 0 58 | 11 9 | 0 48 | 3 59 | 1 34 | 27 38 | 7 36 | 21 42 | 21 40 | 5 40 | 18 31 | 4 11 |
| M19 | 12 41 | 3 45 | 4 41 | 5 57 | 1 32 | 19 29 | 0 29 | 16 41 | 0 14 | 23 26 | 0 2 | 22 35 | 0 58 | 11 9 | 0 47 | 3 59 | 1 34 | 27 37 | 7 35 | 21 44 | 21 40 | 5 38 | 18 32 | 4 11 |
| T 20 | 13 1 | 0n43 | 4 57 | 5 39 | 1 46 | 19 49 | 0 31 | 16 54 | 0 14 | 23 27 | 0 3 | 22 35 | 0 58 | 11 10 | 0 47 | 4 0 | 1 34 | 27 37 | 7 35 | 21 46 | 21 41 | 5 36 | 18 33 | 4 11 |
| W21 | 13 20 | 5 11 | 5 0 | 5 23 | 1 59 | 20 9 | 0 34 | 17 7 | 0 15 | 23 28 | 0 3 | 22 35 | 0 58 | 11 10 | 0 47 | 4 0 | 1 34 | 27 37 | 7 35 | 21 48 | 21 42 | 5 33 | 18 33 | 4 11 |
| T 22 | 13 40 | 9 31 | 4 49 | 5 10 | 2 11 | 20 28 | 0 36 | 17 19 | 0 15 | 23 28 | 0 3 | 22 35 | 0 58 | 11 10 | 0 47 | 4 0 | 1 33 | 27 37 | 7 35 | 21 50 | 21 42 | 5 31 | 18 34 | 4 11 |
| F 23 | 13 59 | 13 31 | 4 25 | 5 0 | 2 22 | 20 47 | 0 39 | 17 32 | 0 16 | 23 29 | 0 3 | 22 35 | 0 58 | 11 10 | 0 47 | 4 1 | 1 33 | 27 36 | 7 35 | 21 52 | 21 43 | 5 29 | 18 34 | 4 11 |
| S 24 | 14 18 | 16 59 | 3 48 | 4 53 | 2 33 | 21 5 | 0 42 | 17 44 | 0 16 | 23 30 | 0 3 | 22 35 | 0 58 | 11 11 | 0 47 | 4 1 | 1 33 | 27 36 | 7 35 | 21 54 | 21 43 | 5 26 | 18 35 | 4 11 |
| S 25 | 14 36 | 19 44 | 2 59 | 4 48 | 2 42 | 21 22 | 0 44 | 17 56 | 0 17 | 23 30 | 0 3 | 22 35 | 0 58 | 11 11 | 0 47 | 4 2 | 1 33 | 27 36 | 7 35 | 21 55 | 21 44 | 5 24 | 18 36 | 4 10 |
| M26 | 14 55 | 21 33 | 2 1 | 4 45 | 2 50 | 21 39 | 0 47 | 18 8 | 0 18 | 23 31 | 0 3 | 22 35 | 0 58 | 11 11 | 0 47 | 4 2 | 1 33 | 27 36 | 7 34 | 21 56 | 21 44 | 5 22 | 18 36 | 4 10 |
| T 27 | 15 13 | 22 14 | 0 55 | 4 46 | 2 58 | 21 56 | 0 49 | 18 20 | 0 18 | 23 31 | 0 3 | 22 35 | 0 58 | 11 11 | 0 47 | 4 2 | 1 33 | 27 35 | 7 34 | 21 56 | 21 45 | 5 19 | 18 37 | 4 10 |
| W28 | 15 31 | 21 43 | 0n15 | 4 48 | 3 5 | 22 11 | 0 52 | 18 31 | 0 19 | 23 32 | 0 3 | 22 35 | 0 58 | 11 11 | 0 47 | 4 3 | 1 33 | 27 35 | 7 34 | 21 56 | 21 45 | 5 17 | 18 37 | 4 10 |
| T 29 | 15 48 | 19 55 | 1 26 | 4 53 | 3 10 | 22 27 | 0 54 | 18 43 | 0 19 | 23 32 | 0 3 | 22 35 | 0 58 | 11 11 | 0 47 | 4 3 | 1 33 | 27 35 | 7 34 | 21 56 | 21 46 | 5 15 | 18 38 | 4 10 |
| F 30 | 16n 6 | 16n56 | 2n34 | 5n 1 | 3s15 | 22n41 | 0n56 | 18n54 | 0n20 | 23n33 | 0n 4 | 22s35 | 0n58 | 11n11 | 0n47 | 4n 3 | 1n33 | 27n35 | 7n34 | 21n56 | 21n46 | 5s12 | 18n39 | 4s10 |

Julian Day Number = 2071057.5, Delta T = 28m04s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'19, Lahiri = 9°20'19 Julian Calendar 1 Apr. 958 == Greg. Calendar 6 Apr. 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## MAY 958 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 54 19 | 14♉51'21 | 5♍23 | 21♈ 1 | 9♊10 | 23♉29 | 25♊30 | 27°R45 | 3°R 0 | 23°R24 | 0♌18 | 20°R55 | 21♋55 | 27♓51 | 15♊40 | S 1 |
| S 2 | 14 58 15 | 15°48'57 | 19°51 | 21°41 | 10°23 | 24°11 | 25°42 | 27♐42 | 2♍59 | 23♍23 | 0°19 | 20♋51 | 21°52 | 27°58 | 15°45 | S 2 |
| M 3 | 15 2 12 | 16°46'32 | 4♎33 | 22°24 | 11°35 | 24°52 | 25°53 | 27°39 | 2°59 | 23°22 | 0°20 | 20°45 | 21°49 | 28° 5 | 15°50 | M 3 |
| T 4 | 15 6 8 | 17°44'05 | 19°25 | 23°11 | 12°48 | 25°33 | 26° 5 | 27°36 | 2°59 | 23°21 | 0°20 | 20°37 | 21°46 | 28°11 | 15°55 | T 4 |
| W 5 | 15 10 5 | 18°41'37 | 4♏17 | 24° 2 | 14° 1 | 26°15 | 26°17 | 27°34 | 2°59 | 23°20 | 0°21 | 20°28 | 21°42 | 28°18 | 16° 0 | W 5 |
| T 6 | 15 14 2 | 19°39'07 | 19° 2 | 24°56 | 15°13 | 26°56 | 26°29 | 27°31 | 2°D59 | 23°20 | 0°22 | 20°19 | 21°39 | 28°25 | 16° 5 | T 6 |
| F 7 | 15 17 58 | 20°36'37 | 3♐32 | 25°53 | 16°26 | 27°37 | 26°41 | 27°28 | 2°59 | 23°19 | 0°23 | 20°11 | 21°36 | 28°32 | 16°10 | F 7 |
| S 8 | 15 21 55 | 21°34'06 | 17°39 | 26°54 | 17°39 | 28°18 | 26°54 | 27°24 | 2°59 | 23°18 | 0°24 | 20° 5 | 21°33 | 28°38 | 16°16 | S 8 |
| S 9 | 15 25 51 | 22°31'33 | 1♑21 | 27°58 | 18°51 | 28°59 | 27° 6 | 27°21 | 2°59 | 23°17 | 0°24 | 20° 1 | 21°30 | 28°45 | 16°21 | S 9 |
| M10 | 15 29 48 | 23°29'00 | 14°37 | 29° 4 | 20° 4 | 29°40 | 27°18 | 27°18 | 3° 0 | 23°17 | 0°25 | 19°D59 | 21°27 | 28°52 | 16°26 | M10 |
| T 11 | 15 33 44 | 24°26'26 | 27°27 | 0♉15 | 21°16 | 0♊21 | 27°30 | 27°15 | 3° 0 | 23°16 | 0°26 | 20° 0 | 21°23 | 28°58 | 16°31 | T 11 |
| W12 | 15 37 41 | 25°23'51 | 9♒56 | 1°28 | 22°29 | 1° 2 | 27°43 | 27°11 | 3° 0 | 23°16 | 0°27 | 20° 0 | 21°20 | 29° 5 | 16°37 | W12 |
| T 13 | 15 41 37 | 26°21'15 | 22° 9 | 2°44 | 23°41 | 1°43 | 27°55 | 27° 8 | 3° 0 | 23°15 | 0°28 | 20°R 1 | 21°17 | 29°12 | 16°42 | T 13 |
| F 14 | 15 45 34 | 27°18'39 | 4♓ 9 | 4° 2 | 24°53 | 2°24 | 28° 8 | 27° 5 | 3° 1 | 23°15 | 0°29 | 20° 1 | 21°14 | 29°19 | 16°47 | F 14 |
| S 15 | 15 49 31 | 28°16'02 | 16° 2 | 5°24 | 26° 6 | 3° 5 | 28°20 | 27° 1 | 3° 1 | 23°14 | 0°30 | 19°59 | 21°11 | 29°25 | 16°53 | S 15 |
| S 16 | 15 53 27 | 29°13'24 | 27°53 | 6°49 | 27°18 | 3°46 | 28°33 | 26°57 | 3° 2 | 23°14 | 0°31 | 19°55 | 21° 7 | 29°32 | 16°58 | S 16 |
| M17 | 15 57 24 | 0♊10'46 | 9♈46 | 8°16 | 28°30 | 4°26 | 28°45 | 26°54 | 3° 2 | 23°13 | 0°32 | 19°50 | 21° 4 | 29°39 | 17° 3 | M17 |
| T 18 | 16 1 20 | 1° 8'07 | 21°45 | 9°46 | 29°42 | 5° 7 | 28°58 | 26°50 | 3° 3 | 23°13 | 0°33 | 19°42 | 21° 1 | 29°45 | 17° 9 | T 18 |
| W19 | 16 5 17 | 2° 5'27 | 3♉53 | 11°19 | 0♋54 | 5°48 | 29°11 | 26°46 | 3° 4 | 23°12 | 0°34 | 19°34 | 20°58 | 29°52 | 17°14 | W19 |
| T 20 | 16 9 13 | 3° 2'47 | 16°12 | 12°54 | 2° 7 | 6°28 | 29°23 | 26°42 | 3° 4 | 23°12 | 0°35 | 19°25 | 20°55 | 29°59 | 17°20 | T 20 |
| F 21 | 16 13 10 | 4° 0'06 | 28°43 | 14°33 | 3°19 | 7° 9 | 29°36 | 26°39 | 3° 5 | 23°12 | 0°36 | 19°17 | 20°52 | 0♈ 6 | 17°25 | F 21 |
| S 22 | 16 17 6 | 4°57'24 | 11♊26 | 16°14 | 4°31 | 7°49 | 29°49 | 26°35 | 3° 6 | 23°11 | 0°37 | 19°11 | 20°48 | 0°12 | 17°30 | S 22 |
| S 23 | 16 21 3 | 5°54'42 | 24°21 | 17°57 | 5°43 | 8°30 | 0♋ 2 | 26°31 | 3° 7 | 23°11 | 0°38 | 19° 6 | 20°45 | 0°19 | 17°36 | S 23 |
| M24 | 16 25 0 | 6°51'59 | 7♋29 | 19°43 | 6°55 | 9°10 | 0°15 | 26°27 | 3° 8 | 23°11 | 0°40 | 19° 4 | 20°42 | 0°26 | 17°41 | M24 |
| T 25 | 16 28 56 | 7°49'15 | 20°48 | 21°32 | 8° 7 | 9°51 | 0°28 | 26°23 | 3° 9 | 23°11 | 0°41 | 19°D 3 | 20°39 | 0°32 | 17°47 | T 25 |
| W26 | 16 32 53 | 8°46'31 | 4♌20 | 23°24 | 9°19 | 10°31 | 0°40 | 26°19 | 3°10 | 23°11 | 0°42 | 19° 4 | 20°36 | 0°39 | 17°53 | W26 |
| T 27 | 16 36 49 | 9°43'46 | 18° 3 | 25°18 | 10°30 | 11°12 | 0°53 | 26°14 | 3°11 | 23°10 | 0°43 | 19° 5 | 20°33 | 0°46 | 17°58 | T 27 |
| F 28 | 16 40 46 | 10°40'59 | 1♍58 | 27°14 | 11°42 | 11°52 | 1° 6 | 26°10 | 3°12 | 23°10 | 0°45 | 19° 7 | 20°29 | 0°53 | 18° 4 | F 28 |
| S 29 | 16 44 42 | 11°38'12 | 16° 5 | 29°13 | 12°54 | 12°32 | 1°20 | 26° 6 | 3°13 | 23°10 | 0°46 | 19°R 7 | 20°26 | 0°59 | 18° 9 | S 29 |
| S 30 | 16 48 39 | 12°35'25 | 0♎21 | 1♊13 | 14° 6 | 13°13 | 1°33 | 26° 2 | 3°14 | 23°D10 | 0°47 | 19° 6 | 20°23 | 1° 6 | 18°15 | S 30 |
| M31 | 16 52 35 | 13♊32'36 | 14♎45 | 3♊16 | 15♋17 | 13♊53 | 1♋46 | 25♐58 | 3♍16 | 23♍10 | 0♌48 | 19♋ 3 | 20♋20 | 1♈13 | 18♊20 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n23 | 12n53 | 3n33 | 5n11 | 3s19 | 22n55 | 0n59 | 19n 5 | 0n21 | 23n33 | 0n 4 | 22s35 | 0n58 | 11n12 | 0n47 | 4n 4 | 1n33 | 27n34 | 7n34 | 21n56 | 21n47 | 5s10 | 18n39 | 4s10 |
| S 2 | 16 40 | 8 2 | 4 21 | 5 23 | 3 22 | 23 8 | 1 1 | 19 16 | 0 21 | 23 34 | 0 4 | 22 35 | 0 58 | 11 12 | 0 47 | 4 4 | 1 33 | 27 34 | 7 34 | 21 57 | 21 47 | 5 8 | 18 40 | 4 10 |
| M 3 | 16 57 | 2 38 | 4 52 | 5 37 | 3 24 | 23 21 | 1 3 | 19 26 | 0 22 | 23 34 | 0 4 | 22 35 | 0 58 | 11 12 | 0 47 | 4 4 | 1 33 | 27 34 | 7 34 | 21 58 | 21 48 | 5 5 | 18 40 | 4 10 |
| T 4 | 17 13 | 2s57 | 5 3 | 5 53 | 3 25 | 23 33 | 1 6 | 19 37 | 0 22 | 23 35 | 0 4 | 22 35 | 0 58 | 11 12 | 0 47 | 4 5 | 1 33 | 27 34 | 7 33 | 21 59 | 21 48 | 5 3 | 18 41 | 4 10 |
| W 5 | 17 29 | 8 24 | 4 55 | 6 11 | 3 25 | 23 44 | 1 8 | 19 47 | 0 23 | 23 35 | 0 4 | 22 35 | 0 58 | 11 12 | 0 47 | 4 5 | 1 33 | 27 33 | 7 33 | 22 0 | 21 49 | 5 0 | 18 42 | 4 10 |
| T 6 | 17 45 | 13 18 | 4 27 | 6 31 | 3 25 | 23 55 | 1 10 | 19 58 | 0 23 | 23 36 | 0 4 | 22 35 | 0 58 | 11 12 | 0 47 | 4 5 | 1 33 | 27 33 | 7 33 | 22 2 | 21 49 | 4 58 | 18 42 | 4 10 |
| F 7 | 18 0 | 17 21 | 3 42 | 6 53 | 3 24 | 24 5 | 1 12 | 20 8 | 0 24 | 23 36 | 0 4 | 22 35 | 0 58 | 11 12 | 0 47 | 4 5 | 1 33 | 27 33 | 7 33 | 22 3 | 21 50 | 4 56 | 18 43 | 4 10 |
| S 8 | 18 15 | 20 17 | 2 44 | 7 17 | 3 22 | 24 14 | 1 14 | 20 17 | 0 24 | 23 37 | 0 4 | 22 35 | 0 58 | 11 11 | 0 47 | 4 6 | 1 33 | 27 32 | 7 33 | 22 4 | 21 50 | 4 53 | 18 43 | 4 10 |
| S 9 | 18 30 | 21 56 | 1 38 | 7 42 | 3 20 | 24 22 | 1 16 | 20 27 | 0 25 | 23 37 | 0 4 | 22 35 | 0 58 | 11 11 | 0 47 | 4 6 | 1 33 | 27 32 | 7 33 | 22 4 | 21 51 | 4 51 | 18 44 | 4 10 |
| M10 | 18 45 | 22 17 | 0 29 | 8 9 | 3 16 | 24 30 | 1 19 | 20 37 | 0 26 | 23 37 | 0 5 | 22 35 | 0 58 | 11 11 | 0 47 | 4 6 | 1 33 | 27 32 | 7 33 | 22 5 | 21 51 | 4 49 | 18 44 | 4 10 |
| T 11 | 18 59 | 21 26 | 0s40 | 8 37 | 3 12 | 24 37 | 1 21 | 20 46 | 0 26 | 23 38 | 0 5 | 22 35 | 0 58 | 11 11 | 0 47 | 4 6 | 1 33 | 27 31 | 7 33 | 22 4 | 21 52 | 4 46 | 18 45 | 4 9 |
| W12 | 19 13 | 19 32 | 1 45 | 9 7 | 3 8 | 24 44 | 1 22 | 20 55 | 0 27 | 23 38 | 0 5 | 22 35 | 0 58 | 11 11 | 0 47 | 4 7 | 1 33 | 27 31 | 7 32 | 22 4 | 21 52 | 4 44 | 18 45 | 4 9 |
| T 13 | 19 27 | 16 47 | 2 44 | 9 37 | 3 3 | 24 50 | 1 24 | 21 4 | 0 27 | 23 38 | 0 5 | 22 35 | 0 58 | 11 11 | 0 46 | 4 7 | 1 33 | 27 31 | 7 32 | 22 4 | 21 53 | 4 42 | 18 46 | 4 9 |
| F 14 | 19 40 | 13 22 | 3 34 | 10 10 | 2 57 | 24 55 | 1 26 | 21 13 | 0 28 | 23 39 | 0 5 | 22 35 | 0 58 | 11 11 | 0 46 | 4 7 | 1 33 | 27 31 | 7 32 | 22 4 | 21 53 | 4 39 | 18 47 | 4 9 |
| S 15 | 19 53 | 9 27 | 4 15 | 10 43 | 2 51 | 24 59 | 1 28 | 21 21 | 0 28 | 23 39 | 0 5 | 22 35 | 0 58 | 11 10 | 0 46 | 4 7 | 1 33 | 27 30 | 7 32 | 22 5 | 21 54 | 4 37 | 18 47 | 4 9 |
| S 16 | 20 6 | 5 12 | 4 45 | 11 17 | 2 44 | 25 2 | 1 30 | 21 30 | 0 29 | 23 39 | 0 5 | 22 34 | 0 58 | 11 10 | 0 46 | 4 7 | 1 33 | 27 30 | 7 32 | 22 5 | 21 54 | 4 34 | 18 48 | 4 9 |
| M17 | 20 18 | 0 44 | 5 2 | 11 52 | 2 36 | 25 5 | 1 31 | 21 38 | 0 29 | 23 39 | 0 5 | 22 34 | 0 58 | 11 10 | 0 46 | 4 7 | 1 33 | 27 30 | 7 32 | 22 6 | 21 55 | 4 32 | 18 48 | 4 9 |
| T 18 | 20 30 | 3n47 | 5 7 | 12 29 | 2 28 | 25 7 | 1 33 | 21 46 | 0 30 | 23 39 | 0 5 | 22 34 | 0 58 | 11 10 | 0 46 | 4 7 | 1 33 | 27 29 | 7 32 | 22 7 | 21 55 | 4 30 | 18 49 | 4 9 |
| W19 | 20 42 | 8 13 | 4 57 | 13 5 | 2 20 | 25 9 | 1 35 | 21 53 | 0 30 | 23 40 | 0 5 | 22 34 | 0 58 | 11 9 | 0 46 | 4 8 | 1 33 | 27 29 | 7 32 | 22 8 | 21 56 | 4 27 | 18 49 | 4 9 |
| T 20 | 20 53 | 12 24 | 4 34 | 13 43 | 2 11 | 25 9 | 1 36 | 22 1 | 0 31 | 23 40 | 0 5 | 22 34 | 0 58 | 11 9 | 0 46 | 4 8 | 1 32 | 27 28 | 7 32 | 22 9 | 21 56 | 4 25 | 18 50 | 4 9 |
| F 21 | 21 4 | 16 7 | 3 58 | 14 21 | 2 2 | 25 9 | 1 38 | 22 8 | 0 31 | 23 40 | 0 6 | 22 34 | 0 58 | 11 9 | 0 46 | 4 8 | 1 32 | 27 28 | 7 31 | 22 11 | 21 57 | 4 22 | 18 50 | 4 9 |
| S 22 | 21 15 | 19 9 | 3 9 | 15 0 | 1 52 | 25 9 | 1 39 | 22 16 | 0 32 | 23 40 | 0 6 | 22 34 | 0 58 | 11 8 | 0 46 | 4 8 | 1 32 | 27 28 | 7 31 | 22 12 | 21 57 | 4 20 | 18 51 | 4 9 |
| S 23 | 21 25 | 21 18 | 2 10 | 15 39 | 1 42 | 25 7 | 1 40 | 22 23 | 0 32 | 23 40 | 0 6 | 22 34 | 0 58 | 11 8 | 0 46 | 4 8 | 1 32 | 27 27 | 7 31 | 22 12 | 21 58 | 4 18 | 18 51 | 4 9 |
| M24 | 21 35 | 22 19 | 1 2 | 16 18 | 1 32 | 25 5 | 1 42 | 22 30 | 0 33 | 23 40 | 0 6 | 22 34 | 0 58 | 11 8 | 0 46 | 4 8 | 1 32 | 27 27 | 7 31 | 22 13 | 21 58 | 4 15 | 18 52 | 4 9 |
| T 25 | 21 44 | 22 7 | 0n 9 | 16 57 | 1 21 | 25 2 | 1 43 | 22 36 | 0 33 | 23 40 | 0 6 | 22 34 | 0 57 | 11 7 | 0 46 | 4 8 | 1 32 | 27 27 | 7 31 | 22 13 | 21 59 | 4 13 | 18 52 | 4 10 |
| W26 | 21 53 | 20 37 | 1 22 | 17 36 | 1 10 | 24 58 | 1 44 | 22 43 | 0 34 | 23 40 | 0 6 | 22 34 | 0 57 | 11 7 | 0 46 | 4 8 | 1 32 | 27 26 | 7 31 | 22 12 | 21 59 | 4 10 | 18 52 | 4 10 |
| T 27 | 22 2 | 17 54 | 2 31 | 18 14 | 0 59 | 24 54 | 1 45 | 22 49 | 0 35 | 23 40 | 0 6 | 22 34 | 0 57 | 11 6 | 0 46 | 4 8 | 1 32 | 27 26 | 7 31 | 22 12 | 22 0 | 4 8 | 18 53 | 4 10 |
| F 28 | 22 10 | 14 8 | 3 32 | 18 52 | 0 48 | 24 49 | 1 46 | 22 55 | 0 35 | 23 40 | 0 6 | 22 34 | 0 57 | 11 6 | 0 46 | 4 8 | 1 32 | 27 26 | 7 31 | 22 12 | 22 0 | 4 6 | 18 53 | 4 10 |
| S 29 | 22 18 | 9 32 | 4 21 | 19 30 | 0 37 | 24 43 | 1 47 | 23 1 | 0 36 | 23 40 | 0 6 | 22 34 | 0 57 | 11 6 | 0 46 | 4 8 | 1 32 | 27 25 | 7 31 | 22 12 | 22 1 | 4 3 | 18 54 | 4 10 |
| S 30 | 22 26 | 4 22 | 4 55 | 20 6 | 0 25 | 24 36 | 1 48 | 23 6 | 0 36 | 23 40 | 0 6 | 22 34 | 0 57 | 11 5 | 0 46 | 4 8 | 1 32 | 27 25 | 7 31 | 22 12 | 22 1 | 4 1 | 18 54 | 4 10 |
| M31 | 22n33 | 1s 5 | 5n10 | 20n42 | 0s14 | 24n29 | 1n48 | 23n12 | 0n37 | 23n40 | 0n 7 | 22s34 | 0n57 | 11n 5 | 0n46 | 4n 8 | 1n32 | 27n24 | 7n31 | 22n13 | 22n 1 | 3s58 | 18n55 | 4s10 |

Julian Day Number = 2071087.5, Delta T = 28m04s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'23, Lahiri = 9°20'23 Julian Calendar 1 May 958 == Greg. Calendar 6 May 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## JUNE 958 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 56 32 | 14♊29'47 | 29♎12 | 5♊21 | 16♋29 | 14♊33 | 1♋59 | 25°R53 | 3♍17 | 23♍10 | 0♌50 | 18°R59 | 20♋17 | 1♈19 | 18♊26 | T 1 |
| W 2 | 17 0 29 | 15°26'57 | 13♏39 | 7°27 | 17°40 | 15°13 | 2°12 | 25♐49 | 3°18 | 23°10 | 0°51 | 18♋54 | 20°13 | 1°26 | 18°32 | W 2 |
| T 3 | 17 4 25 | 16°24'07 | 27°58 | 9°35 | 18°52 | 15°53 | 2°25 | 25°45 | 3°20 | 23°11 | 0°52 | 18°49 | 20°10 | 1°33 | 18°37 | T 3 |
| F 4 | 17 8 22 | 17°21'16 | 12♐ 5 | 11°44 | 20° 3 | 16°33 | 2°38 | 25°40 | 3°21 | 23°11 | 0°54 | 18°45 | 20° 7 | 1°40 | 18°43 | F 4 |
| S 5 | 17 12 18 | 18°18'26 | 25°55 | 13°54 | 21°15 | 17°13 | 2°52 | 25°36 | 3°23 | 23°11 | 0°55 | 18°42 | 20° 4 | 1°46 | 18°48 | S 5 |
| S 6 | 17 16 15 | 19°15'35 | 9♑25 | 16° 4 | 22°26 | 17°53 | 3° 5 | 25°32 | 3°24 | 23°11 | 0°57 | 18°40 | 20° 1 | 1°53 | 18°54 | S 6 |
| M 7 | 17 20 11 | 20°12'44 | 22°34 | 18°15 | 23°37 | 18°33 | 3°18 | 25°27 | 3°26 | 23°11 | 0°58 | 18°D40 | 19°58 | 2° 0 | 19° 0 | M 7 |
| T 8 | 17 24 8 | 21° 9'52 | 5♒22 | 20°26 | 24°49 | 19°13 | 3°31 | 25°23 | 3°28 | 23°12 | 1° 0 | 18°41 | 19°54 | 2° 6 | 19° 5 | T 8 |
| W 9 | 17 28 4 | 22° 7'01 | 17°52 | 22°37 | 26° 0 | 19°53 | 3°45 | 25°19 | 3°29 | 23°12 | 1° 1 | 18°42 | 19°51 | 2°13 | 19°11 | W 9 |
| T 10 | 17 32 1 | 23° 4'10 | 0♓ 5 | 24°47 | 27°11 | 20°33 | 3°58 | 25°14 | 3°31 | 23°12 | 1° 3 | 18°44 | 19°48 | 2°20 | 19°16 | T 10 |
| F 11 | 17 35 58 | 24° 1'19 | 12° 7 | 26°57 | 28°22 | 21°12 | 4°11 | 25°10 | 3°33 | 23°13 | 1° 4 | 18°45 | 19°45 | 2°27 | 19°22 | F 11 |
| S 12 | 17 39 54 | 24°58'29 | 24° 3 | 29° 6 | 29°33 | 21°52 | 4°25 | 25° 5 | 3°35 | 23°13 | 1° 6 | 18°R46 | 19°42 | 2°33 | 19°28 | S 12 |
| S 13 | 17 43 51 | 25°55'38 | 5♈55 | 1♋13 | 0♌44 | 22°32 | 4°38 | 25° 1 | 3°37 | 23°13 | 1° 7 | 18°46 | 19°39 | 2°40 | 19°33 | S 13 |
| M14 | 17 47 47 | 26°52'48 | 17°51 | 3°20 | 1°55 | 23°12 | 4°52 | 24°56 | 3°39 | 23°14 | 1° 9 | 18°44 | 19°35 | 2°47 | 19°39 | M14 |
| T 15 | 17 51 44 | 27°49'58 | 29°53 | 5°25 | 3° 6 | 23°51 | 5° 5 | 24°52 | 3°41 | 23°14 | 1°10 | 18°42 | 19°32 | 2°53 | 19°44 | T 15 |
| W16 | 17 55 40 | 28°47'09 | 12♉ 5 | 7°28 | 4°16 | 24°31 | 5°18 | 24°48 | 3°43 | 23°15 | 1°12 | 18°39 | 19°29 | 3° 0 | 19°50 | W16 |
| T 17 | 17 59 37 | 29°44'20 | 24°31 | 9°30 | 5°27 | 25°11 | 5°32 | 24°43 | 3°45 | 23°15 | 1°13 | 18°36 | 19°26 | 3° 7 | 19°55 | T 17 |
| F 18 | 18 3 33 | 0♋41'31 | 7♊13 | 11°30 | 6°38 | 25°50 | 5°45 | 24°39 | 3°47 | 23°16 | 1°15 | 18°34 | 19°23 | 3°14 | 20° 1 | F 18 |
| S 19 | 18 7 30 | 1°38'43 | 20°11 | 13°28 | 7°48 | 26°30 | 5°59 | 24°34 | 3°49 | 23°17 | 1°17 | 18°32 | 19°19 | 3°20 | 20° 7 | S 19 |
| S 20 | 18 11 27 | 2°35'55 | 3♋26 | 15°24 | 8°59 | 27° 9 | 6°12 | 24°30 | 3°51 | 23°17 | 1°18 | 18°30 | 19°16 | 3°27 | 20°12 | S 20 |
| M21 | 18 15 23 | 3°33'07 | 16°57 | 17°19 | 10° 9 | 27°49 | 6°26 | 24°26 | 3°54 | 23°18 | 1°20 | 18°D30 | 19°13 | 3°34 | 20°18 | M21 |
| T 22 | 18 19 20 | 4°30'19 | 0♌42 | 19°12 | 11°20 | 28°28 | 6°39 | 24°21 | 3°56 | 23°19 | 1°22 | 18°30 | 19°10 | 3°40 | 20°23 | T 22 |
| W23 | 18 23 16 | 5°27'32 | 14°38 | 21° 2 | 12°30 | 29° 8 | 6°52 | 24°17 | 3°58 | 23°19 | 1°23 | 18°31 | 19° 7 | 3°47 | 20°29 | W23 |
| T 24 | 18 27 13 | 6°24'45 | 28°43 | 22°51 | 13°40 | 29°47 | 7° 6 | 24°13 | 4° 1 | 23°20 | 1°25 | 18°32 | 19° 4 | 3°54 | 20°34 | T 24 |
| F 25 | 18 31 9 | 7°21'57 | 12♍53 | 24°39 | 14°51 | 0♋26 | 7°19 | 24° 9 | 4° 3 | 23°21 | 1°27 | 18°33 | 19° 0 | 4° 1 | 20°40 | F 25 |
| S 26 | 18 35 6 | 8°19'10 | 27° 7 | 26°24 | 16° 1 | 1° 6 | 7°33 | 24° 4 | 4° 6 | 23°22 | 1°28 | 18°33 | 18°57 | 4° 7 | 20°45 | S 26 |
| S 27 | 18 39 3 | 9°16'23 | 11♎22 | 28° 7 | 17°11 | 1°45 | 7°46 | 24° 0 | 4° 8 | 23°23 | 1°30 | 18°R33 | 18°54 | 4°14 | 20°51 | S 27 |
| M28 | 18 42 59 | 10°13'37 | 25°35 | 29°48 | 18°21 | 2°24 | 8° 0 | 23°56 | 4°11 | 23°24 | 1°32 | 18°33 | 18°51 | 4°21 | 20°56 | M28 |
| T 29 | 18 46 56 | 11°10'50 | 9♏43 | 1♌28 | 19°31 | 3° 3 | 8°13 | 23°52 | 4°13 | 23°24 | 1°33 | 18°33 | 18°48 | 4°28 | 21° 1 | T 29 |
| W30 | 18 50 52 | 12♋ 8'04 | 23♏44 | 3♌ 6 | 20♌40 | 3♋43 | 8♋27 | 23♐48 | 4♍16 | 23♍25 | 1♌35 | 18♋32 | 18♋45 | 4♈34 | 21♊ 7 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n40 | 6s29 | 5n 6 | 21n16 | 0s 3 | 24n21 | 1n49 | 23n17 | 0n37 | 23n40 | 0n 7 | 22s33 | 0n57 | 11n 4 | 0n46 | 4n 8 | 1n32 | 27n24 | 7n30 | 22n13 | 22n 2 | 3s56 | 18n55 | 4s10 |
| W 2 | 22 46 | 11 31 | 4 43 | 21 48 | 0n 8 | 24 13 | 1 50 | 23 22 | 0 37 | 23 40 | 0 7 | 22 33 | 0 57 | 11 4 | 0 46 | 4 8 | 1 32 | 27 24 | 7 30 | 22 14 | 22 2 | 3 53 | 18 55 | 4 10 |
| T 3 | 22 52 | 15 53 | 4 2 | 22 19 | 0 19 | 24 3 | 1 50 | 23 27 | 0 38 | 23 40 | 0 7 | 22 33 | 0 57 | 11 3 | 0 46 | 4 8 | 1 32 | 27 23 | 7 30 | 22 15 | 22 3 | 3 51 | 18 56 | 4 10 |
| F 4 | 22 58 | 19 17 | 3 7 | 22 48 | 0 29 | 23 53 | 1 51 | 23 32 | 0 38 | 23 40 | 0 7 | 22 33 | 0 57 | 11 2 | 0 46 | 4 8 | 1 32 | 27 23 | 7 30 | 22 15 | 22 3 | 3 49 | 18 56 | 4 10 |
| S 5 | 23 3 | 21 29 | 2 1 | 23 14 | 0 39 | 23 43 | 1 51 | 23 36 | 0 39 | 23 40 | 0 7 | 22 33 | 0 57 | 11 2 | 0 46 | 4 8 | 1 32 | 27 23 | 7 30 | 22 16 | 22 4 | 3 46 | 18 57 | 4 10 |
| S 6 | 23 8 | 22 24 | 0 50 | 23 38 | 0 48 | 23 31 | 1 51 | 23 40 | 0 39 | 23 39 | 0 7 | 22 33 | 0 57 | 11 1 | 0 46 | 4 7 | 1 32 | 27 22 | 7 30 | 22 16 | 22 4 | 3 44 | 18 57 | 4 10 |
| M 7 | 23 13 | 22 1 | 0s21 | 24 0 | 0 57 | 23 19 | 1 51 | 23 44 | 0 40 | 23 39 | 0 7 | 22 33 | 0 57 | 11 1 | 0 45 | 4 7 | 1 32 | 27 22 | 7 30 | 22 16 | 22 5 | 3 41 | 18 57 | 4 10 |
| T 8 | 23 17 | 20 29 | 1 30 | 24 19 | 1 6 | 23 7 | 1 52 | 23 48 | 0 40 | 23 39 | 0 7 | 22 33 | 0 57 | 11 0 | 0 45 | 4 7 | 1 32 | 27 21 | 7 30 | 22 16 | 22 5 | 3 39 | 18 58 | 4 10 |
| W 9 | 23 20 | 18 0 | 2 33 | 24 35 | 1 14 | 22 54 | 1 52 | 23 52 | 0 41 | 23 39 | 0 7 | 22 33 | 0 57 | 10 59 | 0 45 | 4 7 | 1 32 | 27 21 | 7 30 | 22 16 | 22 6 | 3 37 | 18 58 | 4 11 |
| T 10 | 23 23 | 14 45 | 3 28 | 24 49 | 1 21 | 22 40 | 1 52 | 23 55 | 0 41 | 23 38 | 0 7 | 22 33 | 0 56 | 10 59 | 0 45 | 4 7 | 1 32 | 27 21 | 7 30 | 22 15 | 22 6 | 3 34 | 18 58 | 4 11 |
| F 11 | 23 26 | 10 56 | 4 13 | 24 59 | 1 27 | 22 25 | 1 51 | 23 58 | 0 42 | 23 38 | 0 8 | 22 33 | 0 56 | 10 58 | 0 45 | 4 7 | 1 32 | 27 20 | 7 30 | 22 15 | 22 7 | 3 32 | 18 59 | 4 11 |
| S 12 | 23 29 | 6 45 | 4 46 | 25 7 | 1 33 | 22 10 | 1 51 | 24 1 | 0 42 | 23 38 | 0 8 | 22 33 | 0 56 | 10 57 | 0 45 | 4 6 | 1 31 | 27 20 | 7 30 | 22 15 | 22 7 | 3 29 | 18 59 | 4 11 |
| S 13 | 23 31 | 2 19 | 5 7 | 25 12 | 1 38 | 21 55 | 1 51 | 24 4 | 0 43 | 23 37 | 0 8 | 22 33 | 0 56 | 10 56 | 0 45 | 4 6 | 1 31 | 27 19 | 7 30 | 22 15 | 22 8 | 3 27 | 18 59 | 4 11 |
| M14 | 23 32 | 2n12 | 5 14 | 25 14 | 1 42 | 21 38 | 1 50 | 24 7 | 0 43 | 23 37 | 0 8 | 22 32 | 0 56 | 10 56 | 0 45 | 4 6 | 1 31 | 27 19 | 7 30 | 22 15 | 22 8 | 3 24 | 19 0 | 4 11 |
| T 15 | 23 33 | 6 41 | 5 9 | 25 13 | 1 46 | 21 21 | 1 50 | 24 9 | 0 44 | 23 36 | 0 8 | 22 32 | 0 56 | 10 55 | 0 45 | 4 6 | 1 31 | 27 19 | 7 30 | 22 16 | 22 8 | 3 22 | 19 0 | 4 11 |
| W16 | 23 34 | 10 58 | 4 49 | 25 10 | 1 49 | 21 4 | 1 49 | 24 12 | 0 44 | 23 36 | 0 8 | 22 32 | 0 56 | 10 54 | 0 45 | 4 5 | 1 31 | 27 18 | 7 30 | 22 16 | 22 9 | 3 19 | 19 0 | 4 11 |
| T 17 | 23 34 | 14 53 | 4 15 | 25 4 | 1 51 | 20 46 | 1 49 | 24 14 | 0 45 | 23 36 | 0 8 | 22 32 | 0 56 | 10 53 | 0 45 | 4 5 | 1 31 | 27 18 | 7 30 | 22 16 | 22 9 | 3 17 | 19 0 | 4 12 |
| F 18 | 23 34 | 18 13 | 3 28 | 24 56 | 1 52 | 20 28 | 1 48 | 24 15 | 0 45 | 23 35 | 0 8 | 22 32 | 0 56 | 10 52 | 0 45 | 4 5 | 1 31 | 27 17 | 7 29 | 22 17 | 22 10 | 3 15 | 19 1 | 4 12 |
| S 19 | 23 34 | 20 43 | 2 30 | 24 46 | 1 53 | 20 9 | 1 47 | 24 17 | 0 45 | 23 35 | 0 8 | 22 32 | 0 56 | 10 52 | 0 45 | 4 5 | 1 31 | 27 17 | 7 29 | 22 17 | 22 10 | 3 12 | 19 1 | 4 12 |
| S 20 | 23 33 | 22 10 | 1 22 | 24 33 | 1 53 | 19 49 | 1 46 | 24 18 | 0 46 | 23 34 | 0 8 | 22 32 | 0 56 | 10 51 | 0 45 | 4 4 | 1 31 | 27 17 | 7 29 | 22 17 | 22 11 | 3 10 | 19 1 | 4 12 |
| M21 | 23 32 | 22 21 | 0 9 | 24 18 | 1 52 | 19 29 | 1 45 | 24 20 | 0 46 | 23 33 | 0 9 | 22 32 | 0 55 | 10 50 | 0 45 | 4 4 | 1 31 | 27 16 | 7 29 | 22 17 | 22 11 | 3 7 | 19 1 | 4 12 |
| T 22 | 23 30 | 21 12 | 1n 7 | 24 1 | 1 51 | 19 8 | 1 44 | 24 21 | 0 47 | 23 33 | 0 9 | 22 32 | 0 55 | 10 49 | 0 45 | 4 4 | 1 31 | 27 16 | 7 29 | 22 17 | 22 12 | 3 5 | 19 2 | 4 12 |
| W23 | 23 28 | 18 45 | 2 20 | 23 43 | 1 49 | 18 47 | 1 43 | 24 21 | 0 47 | 23 32 | 0 9 | 22 32 | 0 55 | 10 48 | 0 45 | 4 3 | 1 31 | 27 15 | 7 29 | 22 17 | 22 12 | 3 2 | 19 2 | 4 13 |
| T 24 | 23 25 | 15 11 | 3 24 | 23 23 | 1 47 | 18 26 | 1 41 | 24 22 | 0 48 | 23 32 | 0 9 | 22 32 | 0 55 | 10 47 | 0 45 | 4 3 | 1 31 | 27 15 | 7 29 | 22 17 | 22 13 | 3 0 | 19 2 | 4 13 |
| F 25 | 23 22 | 10 43 | 4 17 | 23 1 | 1 44 | 18 4 | 1 40 | 24 22 | 0 48 | 23 31 | 0 9 | 22 32 | 0 55 | 10 46 | 0 45 | 4 3 | 1 31 | 27 14 | 7 29 | 22 17 | 22 13 | 2 57 | 19 2 | 4 13 |
| S 26 | 23 19 | 5 39 | 4 55 | 22 38 | 1 40 | 17 41 | 1 38 | 24 23 | 0 49 | 23 30 | 0 9 | 22 31 | 0 55 | 10 45 | 0 45 | 4 2 | 1 31 | 27 14 | 7 29 | 22 17 | 22 13 | 2 55 | 19 2 | 4 13 |
| S 27 | 23 15 | 0 17 | 5 14 | 22 13 | 1 36 | 17 19 | 1 37 | 24 23 | 0 49 | 23 30 | 0 9 | 22 31 | 0 55 | 10 44 | 0 45 | 4 2 | 1 31 | 27 14 | 7 29 | 22 17 | 22 14 | 2 52 | 19 3 | 4 13 |
| M28 | 23 11 | 5s 4 | 5 14 | 21 47 | 1 31 | 16 55 | 1 35 | 24 22 | 0 49 | 23 29 | 0 9 | 22 31 | 0 55 | 10 44 | 0 45 | 4 2 | 1 31 | 27 13 | 7 29 | 22 17 | 22 14 | 2 50 | 19 3 | 4 13 |
| T 29 | 23 6 | 10 8 | 4 55 | 21 21 | 1 26 | 16 32 | 1 33 | 24 22 | 0 50 | 23 28 | 0 9 | 22 31 | 0 55 | 10 43 | 0 45 | 4 1 | 1 31 | 27 13 | 7 29 | 22 17 | 22 15 | 2 47 | 19 3 | 4 14 |
| W30 | 23n 1 | 14s38 | 4n19 | 20n53 | 1n21 | 16n 8 | 1n32 | 24n21 | 0n50 | 23n28 | 0n 9 | 22s31 | 0n55 | 10n42 | 0n45 | 4n 1 | 1n31 | 27n12 | 7n29 | 22n17 | 22n15 | 2s45 | 19n 3 | 4s14 |

Julian Day Number = 2071118.5, Delta T = 28m03s
Ecliptic obliquity = 23°34'23, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'27, Lahiri = 9°20'28 Julian Calendar 1 June 958 == Greg. Calendar 6 June 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## JULY 958 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 54 49 | 13♋ 5'18 | 7♐36 | 4♌41 | 21♌50 | 4♋22 | 8♋40 | 23°R44 | 4♍19 | 23♍26 | 1♌37 | 18°R31 | 18♋41 | 4♈41 | 21♊12 | T 1 |
| F 2 | 18 58 45 | 14° 2'33 | 21°16 | 6°15 | 23° 0 | 5° 1 | 8°53 | 23♐40 | 4°21 | 23°27 | 1°39 | 18♋31 | 18°38 | 4°48 | 21°17 | F 2 |
| S 3 | 19 2 42 | 14°59'48 | 4♑42 | 7°47 | 24° 9 | 5°40 | 9° 7 | 23°36 | 4°24 | 23°28 | 1°40 | 18°30 | 18°35 | 4°54 | 21°23 | S 3 |
| S 4 | 19 6 38 | 15°57'04 | 17°53 | 9°18 | 25°19 | 6°19 | 9°20 | 23°32 | 4°27 | 23°30 | 1°42 | 18°D30 | 18°32 | 5° 1 | 21°28 | S 4 |
| M 5 | 19 10 35 | 16°54'20 | 0♒47 | 10°46 | 26°28 | 6°58 | 9°34 | 23°28 | 4°30 | 23°31 | 1°44 | 18°30 | 18°29 | 5° 8 | 21°33 | M 5 |
| T 6 | 19 14 32 | 17°51'38 | 13°26 | 12°12 | 27°37 | 7°37 | 9°47 | 23°24 | 4°32 | 23°32 | 1°46 | 18°30 | 18°25 | 5°15 | 21°39 | T 6 |
| W 7 | 19 18 28 | 18°48'56 | 25°50 | 13°36 | 28°47 | 8°16 | 10° 0 | 23°20 | 4°35 | 23°33 | 1°47 | 18°R30 | 18°22 | 5°21 | 21°44 | W 7 |
| T 8 | 19 22 25 | 19°46'15 | 8♓ 2 | 14°59 | 29°56 | 8°55 | 10°14 | 23°17 | 4°38 | 23°34 | 1°49 | 18°30 | 18°19 | 5°28 | 21°49 | T 8 |
| F 9 | 19 26 21 | 20°43'35 | 20° 3 | 16°19 | 1♍ 5 | 9°34 | 10°27 | 23°13 | 4°41 | 23°35 | 1°51 | 18°30 | 18°16 | 5°35 | 21°54 | F 9 |
| S 10 | 19 30 18 | 21°40'56 | 1♈59 | 17°37 | 2°14 | 10°13 | 10°40 | 23° 9 | 4°44 | 23°37 | 1°53 | 18°30 | 18°13 | 5°41 | 21°59 | S 10 |
| S 11 | 19 34 14 | 22°38'19 | 13°52 | 18°53 | 3°22 | 10°52 | 10°54 | 23° 6 | 4°47 | 23°38 | 1°55 | 18°30 | 18°10 | 5°48 | 22° 4 | S 11 |
| M12 | 19 38 11 | 23°35'42 | 25°47 | 20° 7 | 4°31 | 11°31 | 11° 7 | 23° 2 | 4°50 | 23°39 | 1°56 | 18°D30 | 18° 6 | 5°55 | 22°10 | M12 |
| T 13 | 19 42 7 | 24°33'07 | 7♉49 | 21°19 | 5°40 | 12°10 | 11°20 | 22°59 | 4°53 | 23°40 | 1°58 | 18°30 | 18° 3 | 6° 2 | 22°15 | T 13 |
| W14 | 19 46 4 | 25°30'33 | 20° 2 | 22°29 | 6°48 | 12°48 | 11°33 | 22°55 | 4°56 | 23°42 | 2° 0 | 18°30 | 18° 0 | 6° 8 | 22°20 | W14 |
| T 15 | 19 50 1 | 26°28'00 | 2♊30 | 23°36 | 7°56 | 13°27 | 11°46 | 22°52 | 4°59 | 23°43 | 2° 2 | 18°31 | 17°57 | 6°15 | 22°25 | T 15 |
| F 16 | 19 53 57 | 27°25'29 | 15°17 | 24°40 | 9° 5 | 14° 6 | 12° 0 | 22°49 | 5° 3 | 23°45 | 2° 4 | 18°32 | 17°54 | 6°22 | 22°30 | F 16 |
| S 17 | 19 57 54 | 28°22'59 | 28°25 | 25°42 | 10°13 | 14°45 | 12°13 | 22°46 | 5° 6 | 23°46 | 2° 6 | 18°33 | 17°50 | 6°29 | 22°34 | S 17 |
| S 18 | 20 1 50 | 29°20'30 | 11♋55 | 26°41 | 11°21 | 15°23 | 12°26 | 22°43 | 5° 9 | 23°47 | 2° 7 | 18°R33 | 17°47 | 6°35 | 22°39 | S 18 |
| M19 | 20 5 47 | 0♌18'02 | 25°46 | 27°38 | 12°29 | 16° 2 | 12°39 | 22°39 | 5°12 | 23°49 | 2° 9 | 18°33 | 17°44 | 6°42 | 22°44 | M19 |
| T 20 | 20 9 43 | 1°15'36 | 9♌56 | 28°31 | 13°37 | 16°41 | 12°52 | 22°36 | 5°15 | 23°50 | 2°11 | 18°32 | 17°41 | 6°49 | 22°49 | T 20 |
| W21 | 20 13 40 | 2°13'11 | 24°19 | 29°22 | 14°45 | 17°19 | 13° 5 | 22°34 | 5°19 | 23°52 | 2°13 | 18°31 | 17°38 | 6°55 | 22°54 | W21 |
| T 22 | 20 17 36 | 3°10'46 | 8♍51 | 0♍ 9 | 15°52 | 17°58 | 13°18 | 22°31 | 5°22 | 23°53 | 2°15 | 18°29 | 17°35 | 7° 2 | 22°59 | T 22 |
| F 23 | 20 21 33 | 4° 8'23 | 23°26 | 0°53 | 17° 0 | 18°37 | 13°31 | 22°28 | 5°25 | 23°55 | 2°17 | 18°28 | 17°31 | 7° 9 | 23° 3 | F 23 |
| S 24 | 20 25 30 | 5° 6'01 | 7♎58 | 1°33 | 18° 7 | 19°15 | 13°44 | 22°25 | 5°29 | 23°57 | 2°18 | 18°26 | 17°28 | 7°16 | 23° 8 | S 24 |
| S 25 | 20 29 26 | 6° 3'39 | 22°21 | 2° 9 | 19°14 | 19°54 | 13°57 | 22°23 | 5°32 | 23°58 | 2°20 | 18°25 | 17°25 | 7°22 | 23°12 | S 25 |
| M26 | 20 33 23 | 7° 1'19 | 6♏33 | 2°41 | 20°21 | 20°32 | 14°10 | 22°20 | 5°36 | 24° 0 | 2°22 | 18°D24 | 17°22 | 7°29 | 23°17 | M26 |
| T 27 | 20 37 19 | 7°59'00 | 20°32 | 3° 9 | 21°28 | 21°11 | 14°23 | 22°18 | 5°39 | 24° 2 | 2°24 | 18°25 | 17°19 | 7°36 | 23°22 | T 27 |
| W28 | 20 41 16 | 8°56'42 | 4♐16 | 3°33 | 22°35 | 21°49 | 14°36 | 22°15 | 5°42 | 24° 3 | 2°26 | 18°26 | 17°16 | 7°42 | 23°26 | W28 |
| T 29 | 20 45 12 | 9°54'25 | 17°45 | 3°52 | 23°41 | 22°27 | 14°48 | 22°13 | 5°46 | 24° 5 | 2°28 | 18°27 | 17°12 | 7°49 | 23°30 | T 29 |
| F 30 | 20 49 9 | 10°52'09 | 1♑ 0 | 4° 6 | 24°48 | 23° 6 | 15° 1 | 22°11 | 5°49 | 24° 7 | 2°29 | 18°28 | 17° 9 | 7°56 | 23°35 | F 30 |
| S 31 | 20 53 5 | 11♌49'55 | 14♑ 2 | 4♍14 | 25♍54 | 23♋44 | 15♋14 | 22♐ 9 | 5♍53 | 24♍ 8 | 2♌31 | 18°R29 | 17♋ 6 | 8♈ 3 | 23♊39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n56 | 18s17 | 3n28 | 20n24 | 1n14 | 15n43 | 1n30 | 24n21 | 0n51 | 23n27 | 0n 9 | 22s31 | 0n54 | 10n41 | 0n45 | 4n 0 | 1n31 | 27n12 | 7n29 | 22n17 | 22n16 | 2s42 | 19n 3 | 4s14 |
| F 2 | 22 50 | 20 52 | 2 25 | 19 55 | 1 8 | 15 18 | 1 27 | 24 20 | 0 51 | 23 26 | 0 10 | 22 31 | 0 54 | 10 40 | 0 45 | 4 0 | 1 31 | 27 12 | 7 29 | 22 17 | 22 16 | 2 40 | 19 3 | 4 14 |
| S 3 | 22 43 | 22 14 | 1 16 | 19 24 | 1 1 | 14 53 | 1 25 | 24 18 | 0 51 | 23 25 | 0 10 | 22 31 | 0 54 | 10 39 | 0 45 | 3 59 | 1 31 | 27 11 | 7 29 | 22 17 | 22 17 | 2 38 | 19 3 | 4 15 |
| S 4 | 22 37 | 22 19 | 0 3 | 18 54 | 0 54 | 14 27 | 1 23 | 24 17 | 0 52 | 23 24 | 0 10 | 22 31 | 0 54 | 10 37 | 0 45 | 3 59 | 1 31 | 27 11 | 7 29 | 22 17 | 22 17 | 2 35 | 19 4 | 4 15 |
| M 5 | 22 30 | 21 12 | 1s 8 | 18 22 | 0 46 | 14 2 | 1 21 | 24 16 | 0 52 | 23 23 | 0 10 | 22 31 | 0 54 | 10 36 | 0 45 | 3 58 | 1 30 | 27 10 | 7 29 | 22 17 | 22 17 | 2 33 | 19 4 | 4 15 |
| T 6 | 22 22 | 19 1 | 2 14 | 17 50 | 0 38 | 13 35 | 1 18 | 24 14 | 0 53 | 23 23 | 0 10 | 22 31 | 0 54 | 10 35 | 0 44 | 3 58 | 1 30 | 27 10 | 7 29 | 22 17 | 22 18 | 2 30 | 19 4 | 4 15 |
| W 7 | 22 15 | 16 0 | 3 12 | 17 18 | 0 30 | 13 9 | 1 16 | 24 12 | 0 53 | 23 22 | 0 10 | 22 31 | 0 54 | 10 34 | 0 44 | 3 57 | 1 30 | 27 10 | 7 29 | 22 17 | 22 18 | 2 28 | 19 4 | 4 15 |
| T 8 | 22 6 | 12 20 | 4 1 | 16 46 | 0 21 | 12 42 | 1 13 | 24 10 | 0 54 | 23 21 | 0 10 | 22 31 | 0 54 | 10 33 | 0 44 | 3 57 | 1 30 | 27 9 | 7 29 | 22 17 | 22 19 | 2 25 | 19 4 | 4 16 |
| F 9 | 21 58 | 8 14 | 4 39 | 16 13 | 0 12 | 12 15 | 1 10 | 24 7 | 0 54 | 23 20 | 0 10 | 22 31 | 0 53 | 10 32 | 0 44 | 3 56 | 1 30 | 27 9 | 7 29 | 22 17 | 22 19 | 2 23 | 19 4 | 4 16 |
| S 10 | 21 49 | 3 51 | 5 4 | 15 41 | 0 3 | 11 47 | 1 8 | 24 5 | 0 54 | 23 19 | 0 10 | 22 30 | 0 53 | 10 31 | 0 44 | 3 56 | 1 30 | 27 8 | 7 29 | 22 17 | 22 20 | 2 20 | 19 4 | 4 16 |
| S 11 | 21 40 | 0n39 | 5 16 | 15 8 | 0s 7 | 11 20 | 1 5 | 24 2 | 0 55 | 23 18 | 0 11 | 22 30 | 0 53 | 10 30 | 0 44 | 3 55 | 1 30 | 27 8 | 7 30 | 22 17 | 22 20 | 2 18 | 19 4 | 4 16 |
| M12 | 21 30 | 5 8 | 5 14 | 14 35 | 0 17 | 10 52 | 1 2 | 23 59 | 0 55 | 23 17 | 0 11 | 22 30 | 0 53 | 10 29 | 0 44 | 3 55 | 1 30 | 27 8 | 7 30 | 22 17 | 22 20 | 2 15 | 19 4 | 4 17 |
| T 13 | 21 20 | 9 29 | 4 59 | 14 3 | 0 27 | 10 24 | 0 59 | 23 56 | 0 55 | 23 16 | 0 11 | 22 30 | 0 53 | 10 28 | 0 44 | 3 54 | 1 30 | 27 7 | 7 30 | 22 17 | 22 21 | 2 13 | 19 4 | 4 17 |
| W14 | 21 9 | 13 30 | 4 30 | 13 31 | 0 37 | 9 55 | 0 55 | 23 53 | 0 56 | 23 15 | 0 11 | 22 30 | 0 53 | 10 26 | 0 44 | 3 54 | 1 30 | 27 7 | 7 30 | 22 17 | 22 21 | 2 10 | 19 4 | 4 17 |
| T 15 | 20 59 | 17 3 | 3 48 | 12 59 | 0 48 | 9 27 | 0 52 | 23 49 | 0 56 | 23 14 | 0 11 | 22 30 | 0 53 | 10 25 | 0 44 | 3 53 | 1 30 | 27 7 | 7 30 | 22 17 | 22 22 | 2 8 | 19 4 | 4 17 |
| F 16 | 20 48 | 19 52 | 2 54 | 12 27 | 0 59 | 8 58 | 0 49 | 23 46 | 0 57 | 23 13 | 0 11 | 22 30 | 0 52 | 10 24 | 0 44 | 3 53 | 1 30 | 27 6 | 7 30 | 22 17 | 22 22 | 2 5 | 19 4 | 4 18 |
| S 17 | 20 36 | 21 45 | 1 49 | 11 56 | 1 10 | 8 29 | 0 45 | 23 42 | 0 57 | 23 12 | 0 11 | 22 30 | 0 52 | 10 23 | 0 44 | 3 52 | 1 30 | 27 6 | 7 30 | 22 17 | 22 23 | 2 3 | 19 4 | 4 18 |
| S 18 | 20 24 | 22 26 | 0 37 | 11 25 | 1 21 | 8 0 | 0 42 | 23 38 | 0 57 | 23 10 | 0 11 | 22 30 | 0 52 | 10 22 | 0 44 | 3 51 | 1 30 | 27 5 | 7 30 | 22 17 | 22 23 | 2 0 | 19 4 | 4 18 |
| M19 | 20 12 | 21 46 | 0n40 | 10 55 | 1 32 | 7 30 | 0 38 | 23 34 | 0 58 | 23 9 | 0 11 | 22 30 | 0 52 | 10 20 | 0 44 | 3 51 | 1 30 | 27 5 | 7 30 | 22 17 | 22 23 | 1 58 | 19 4 | 4 19 |
| T 20 | 19 59 | 19 43 | 1 55 | 10 26 | 1 43 | 7 1 | 0 35 | 23 29 | 0 58 | 23 8 | 0 11 | 22 30 | 0 52 | 10 19 | 0 44 | 3 50 | 1 30 | 27 5 | 7 30 | 22 17 | 22 24 | 1 55 | 19 4 | 4 19 |
| W21 | 19 47 | 16 24 | 3 5 | 9 58 | 1 55 | 6 31 | 0 31 | 23 25 | 0 59 | 23 7 | 0 12 | 22 30 | 0 52 | 10 18 | 0 44 | 3 49 | 1 30 | 27 4 | 7 30 | 22 17 | 22 24 | 1 53 | 19 4 | 4 19 |
| T 22 | 19 33 | 12 3 | 4 3 | 9 31 | 2 6 | 6 1 | 0 27 | 23 20 | 0 59 | 23 6 | 0 12 | 22 30 | 0 52 | 10 17 | 0 44 | 3 49 | 1 30 | 27 4 | 7 30 | 22 17 | 22 25 | 1 50 | 19 4 | 4 20 |
| F 23 | 19 20 | 6 59 | 4 46 | 9 5 | 2 17 | 5 31 | 0 23 | 23 15 | 0 59 | 23 5 | 0 12 | 22 30 | 0 52 | 10 15 | 0 44 | 3 48 | 1 30 | 27 4 | 7 30 | 22 18 | 22 25 | 1 48 | 19 4 | 4 20 |
| S 24 | 19 6 | 1 34 | 5 10 | 8 40 | 2 29 | 5 1 | 0 19 | 23 10 | 1 0 | 23 3 | 0 12 | 22 30 | 0 51 | 10 14 | 0 44 | 3 48 | 1 30 | 27 3 | 7 30 | 22 18 | 22 26 | 1 45 | 19 4 | 4 20 |
| S 25 | 18 52 | 3s53 | 5 15 | 8 16 | 2 40 | 4 31 | 0 15 | 23 5 | 1 0 | 23 2 | 0 12 | 22 30 | 0 51 | 10 13 | 0 44 | 3 47 | 1 30 | 27 3 | 7 30 | 22 18 | 22 26 | 1 43 | 19 4 | 4 20 |
| M26 | 18 37 | 9 4 | 5 0 | 7 54 | 2 51 | 4 0 | 0 11 | 22 59 | 1 0 | 23 1 | 0 12 | 22 30 | 0 51 | 10 12 | 0 44 | 3 46 | 1 30 | 27 3 | 7 30 | 22 18 | 22 26 | 1 40 | 19 4 | 4 21 |
| T 27 | 18 22 | 13 41 | 4 27 | 7 34 | 3 2 | 3 30 | 0 6 | 22 54 | 1 1 | 23 0 | 0 12 | 22 30 | 0 51 | 10 10 | 0 44 | 3 45 | 1 30 | 27 2 | 7 31 | 22 18 | 22 27 | 1 38 | 19 4 | 4 21 |
| W28 | 18 7 | 17 31 | 3 40 | 7 16 | 3 13 | 3 0 | 0 2 | 22 48 | 1 1 | 22 58 | 0 12 | 22 30 | 0 51 | 10 9 | 0 44 | 3 45 | 1 30 | 27 2 | 7 31 | 22 18 | 22 27 | 1 35 | 19 3 | 4 21 |
| T 29 | 17 52 | 20 20 | 2 41 | 6 59 | 3 24 | 2 29 | 0s 2 | 22 42 | 1 1 | 22 57 | 0 12 | 22 30 | 0 51 | 10 8 | 0 44 | 3 44 | 1 30 | 27 2 | 7 31 | 22 18 | 22 28 | 1 33 | 19 3 | 4 22 |
| F 30 | 17 36 | 21 59 | 1 35 | 6 44 | 3 34 | 1 59 | 0 7 | 22 36 | 1 2 | 22 56 | 0 13 | 22 30 | 0 50 | 10 6 | 0 44 | 3 43 | 1 30 | 27 1 | 7 31 | 22 17 | 22 28 | 1 30 | 19 3 | 4 22 |
| S 31 | 17n20 | 22s25 | 0n24 | 6n32 | 3s44 | 1n28 | 0s11 | 22n30 | 1n 2 | 22n54 | 0n13 | 22s30 | 0n50 | 10n 5 | 0n44 | 3n43 | 1n30 | 27n 1 | 7n31 | 22n17 | 22n28 | 1s27 | 19n 3 | 4s22 |

Julian Day Number = 2071148.5, Delta T = 28m03s
Ecliptic obliquity = 23°34'23, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'31, Lahiri = 9°20'32 Julian Calendar 1 July 958 == Greg. Calendar 6 July 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## AUGUST 958 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 57 2 | 12♌47'42 | 26♉51 | 4°R17 | 27♍ 0 | 24♋23 | 15♋26 | 22°R 7 | 5♍56 | 24♍10 | 2♌33 | 18°R29 | 17♋ 3 | 8♈ 9 | 23♊44 | S 1 |
| M 2 | 21 0 59 | 13°45'30 | 9♒28 | 4♍15 | 28° 6 | 25° 1 | 15°39 | 22♐ 5 | 6° 0 | 24°12 | 2°35 | 18♋28 | 17° 0 | 8°16 | 23°48 | M 2 |
| T 3 | 21 4 55 | 14°43'20 | 21°53 | 4° 7 | 29°12 | 25°39 | 15°51 | 22° 3 | 6° 4 | 24°14 | 2°37 | 18°25 | 16°56 | 8°23 | 23°52 | T 3 |
| W 4 | 21 8 52 | 15°41'11 | 4♓ 8 | 3°53 | 0♎18 | 26°18 | 16° 4 | 22° 1 | 6° 7 | 24°16 | 2°38 | 18°21 | 16°53 | 8°30 | 23°56 | W 4 |
| T 5 | 21 12 48 | 16°39'04 | 16°14 | 3°33 | 1°23 | 26°56 | 16°16 | 22° 0 | 6°11 | 24°17 | 2°40 | 18°16 | 16°50 | 8°36 | 24° 0 | T 5 |
| F 6 | 21 16 45 | 17°36'59 | 28°13 | 3° 7 | 2°28 | 27°34 | 16°29 | 21°58 | 6°14 | 24°19 | 2°42 | 18°11 | 16°47 | 8°43 | 24° 4 | F 6 |
| S 7 | 21 20 41 | 18°34'55 | 10♈ 7 | 2°36 | 3°33 | 28°12 | 16°41 | 21°57 | 6°18 | 24°21 | 2°44 | 18° 7 | 16°44 | 8°50 | 24° 8 | S 7 |
| S 8 | 21 24 38 | 19°32'53 | 21°59 | 1°58 | 4°38 | 28°50 | 16°53 | 21°55 | 6°22 | 24°23 | 2°45 | 18° 3 | 16°41 | 8°56 | 24°12 | S 8 |
| M 9 | 21 28 34 | 20°30'53 | 3♉52 | 1°16 | 5°43 | 29°29 | 17° 6 | 21°54 | 6°25 | 24°25 | 2°47 | 18° 0 | 16°37 | 9° 3 | 24°16 | M 9 |
| T 10 | 21 32 31 | 21°28'55 | 15°52 | 0°29 | 6°47 | 0♌ 7 | 17°18 | 21°53 | 6°29 | 24°27 | 2°49 | 17°58 | 16°34 | 9°10 | 24°20 | T 10 |
| W11 | 21 36 28 | 22°26'59 | 28° 3 | 29♌37 | 7°52 | 0°45 | 17°30 | 21°52 | 6°33 | 24°29 | 2°51 | 17°D58 | 16°31 | 9°17 | 24°24 | W11 |
| T 12 | 21 40 24 | 23°25'05 | 10♊28 | 28°43 | 8°56 | 1°23 | 17°42 | 21°51 | 6°36 | 24°31 | 2°52 | 17°59 | 16°28 | 9°23 | 24°27 | T 12 |
| F 13 | 21 44 21 | 24°23'13 | 23°14 | 27°46 | 9°59 | 2° 1 | 17°54 | 21°50 | 6°40 | 24°33 | 2°54 | 18° 1 | 16°25 | 9°30 | 24°31 | F 13 |
| S 14 | 21 48 17 | 25°21'23 | 6♋23 | 26°48 | 11° 3 | 2°39 | 18° 6 | 21°49 | 6°44 | 24°35 | 2°56 | 18° 2 | 16°22 | 9°37 | 24°35 | S 14 |
| S 15 | 21 52 14 | 26°19'35 | 19°58 | 25°51 | 12° 6 | 3°17 | 18°18 | 21°48 | 6°47 | 24°37 | 2°58 | 18°R 3 | 16°18 | 9°43 | 24°38 | S 15 |
| M16 | 21 56 10 | 27°17'49 | 4♌ 0 | 24°54 | 13°10 | 3°55 | 18°30 | 21°48 | 6°51 | 24°39 | 2°59 | 18° 2 | 16°15 | 9°50 | 24°42 | M16 |
| T 17 | 22 0 7 | 28°16'05 | 18°26 | 24° 0 | 14°12 | 4°33 | 18°41 | 21°47 | 6°55 | 24°41 | 3° 1 | 17°59 | 16°12 | 9°57 | 24°45 | T 17 |
| W18 | 22 4 3 | 29°14'23 | 3♍12 | 23°10 | 15°15 | 5°11 | 18°53 | 21°47 | 6°59 | 24°43 | 3° 3 | 17°54 | 16° 9 | 10° 4 | 24°48 | W18 |
| T 19 | 22 8 0 | 0♍12'43 | 18° 9 | 22°25 | 16°17 | 5°49 | 19° 5 | 21°46 | 7° 2 | 24°45 | 3° 4 | 17°48 | 16° 6 | 10°10 | 24°52 | T 19 |
| F 20 | 22 11 57 | 1°11'04 | 3♎10 | 21°46 | 17°20 | 6°27 | 19°16 | 21°46 | 7° 6 | 24°47 | 3° 6 | 17°42 | 16° 2 | 10°17 | 24°55 | F 20 |
| S 21 | 22 15 53 | 2° 9'27 | 18° 4 | 21°15 | 18°21 | 7° 5 | 19°28 | 21°46 | 7°10 | 24°49 | 3° 8 | 17°36 | 15°59 | 10°24 | 24°58 | S 21 |
| S 22 | 22 19 50 | 3° 7'51 | 2♏45 | 20°51 | 19°23 | 7°43 | 19°39 | 21°D46 | 7°14 | 24°51 | 3° 9 | 17°31 | 15°56 | 10°31 | 25° 1 | S 22 |
| M23 | 22 23 46 | 4° 6'18 | 17° 6 | 20°36 | 20°24 | 8°21 | 19°50 | 21°46 | 7°18 | 24°53 | 3°11 | 17°28 | 15°53 | 10°37 | 25° 4 | M23 |
| T 24 | 22 27 43 | 5° 4'45 | 1♐ 5 | 20°D30 | 21°25 | 8°59 | 20° 2 | 21°46 | 7°21 | 24°55 | 3°13 | 17°D26 | 15°50 | 10°44 | 25° 7 | T 24 |
| W25 | 22 31 39 | 6° 3'15 | 14°43 | 20°33 | 22°26 | 9°37 | 20°13 | 21°46 | 7°25 | 24°58 | 3°14 | 17°26 | 15°47 | 10°51 | 25°10 | W25 |
| T 26 | 22 35 36 | 7° 1'46 | 28° 0 | 20°45 | 23°26 | 10°14 | 20°24 | 21°47 | 7°29 | 25° 0 | 3°16 | 17°28 | 15°43 | 10°57 | 25°13 | T 26 |
| F 27 | 22 39 32 | 8° 0'19 | 10♑58 | 21° 7 | 24°26 | 10°52 | 20°35 | 21°47 | 7°33 | 25° 2 | 3°17 | 17°R29 | 15°40 | 11° 4 | 25°16 | F 27 |
| S 28 | 22 43 29 | 8°58'54 | 23°42 | 21°38 | 25°26 | 11°30 | 20°46 | 21°48 | 7°36 | 25° 4 | 3°19 | 17°29 | 15°37 | 11°11 | 25°18 | S 28 |
| S 29 | 22 47 25 | 9°57'30 | 6♒12 | 22°18 | 26°25 | 12° 8 | 20°57 | 21°48 | 7°40 | 25° 6 | 3°20 | 17°27 | 15°34 | 11°18 | 25°21 | S 29 |
| M30 | 22 51 22 | 10°56'08 | 18°33 | 23° 7 | 27°24 | 12°45 | 21° 7 | 21°49 | 7°44 | 25° 8 | 3°22 | 17°23 | 15°31 | 11°24 | 25°23 | M30 |
| T 31 | 22 55 19 | 11♍54'49 | 0♓45 | 24♌ 3 | 28♎22 | 13♌23 | 21♋18 | 21♐50 | 7♍48 | 25♍11 | 3♌23 | 17♋16 | 15♋28 | 11♈31 | 25♊26 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n 4 | 21s39 | 0s46 | 6n23 | 3s53 | 0n57 | 0s16 | 22n23 | 1n 3 | 22n53 | 0n13 | 22s30 | 0n50 | 10n 4 | 0n44 | 3n42 | 1n30 | 27n 1 | 7n31 | 22n17 | 22n29 | 1s25 | 19n 3 | 4s23 |
| M 2 | 16 47 | 19 48 | 1 53 | 6 16 | 4 1 | 0 27 | 0 21 | 22 17 | 1 3 | 22 52 | 0 13 | 22 30 | 0 50 | 10 2 | 0 44 | 3 41 | 1 30 | 27 0 | 7 31 | 22 18 | 22 29 | 1 22 | 19 3 | 4 23 |
| T 3 | 16 30 | 17 1 | 2 53 | 6 11 | 4 9 | 0s 4 | 0 25 | 22 10 | 1 3 | 22 50 | 0 13 | 22 30 | 0 50 | 10 1 | 0 44 | 3 40 | 1 30 | 27 0 | 7 31 | 22 18 | 22 30 | 1 20 | 19 3 | 4 24 |
| W 4 | 16 13 | 13 31 | 3 44 | 6 10 | 4 16 | 0 35 | 0 30 | 22 3 | 1 4 | 22 49 | 0 13 | 22 30 | 0 50 | 10 0 | 0 44 | 3 40 | 1 30 | 27 0 | 7 31 | 22 18 | 22 30 | 1 17 | 19 2 | 4 24 |
| T 5 | 15 56 | 9 31 | 4 25 | 6 12 | 4 21 | 1 5 | 0 35 | 21 56 | 1 4 | 22 48 | 0 13 | 22 30 | 0 50 | 9 58 | 0 44 | 3 39 | 1 30 | 26 59 | 7 32 | 22 19 | 22 30 | 1 15 | 19 2 | 4 24 |
| F 6 | 15 38 | 5 12 | 4 53 | 6 17 | 4 26 | 1 36 | 0 40 | 21 49 | 1 4 | 22 46 | 0 13 | 22 30 | 0 49 | 9 57 | 0 44 | 3 38 | 1 29 | 26 59 | 7 32 | 22 20 | 22 31 | 1 12 | 19 2 | 4 25 |
| S 7 | 15 20 | 0 42 | 5 9 | 6 26 | 4 29 | 2 6 | 0 45 | 21 41 | 1 5 | 22 45 | 0 13 | 22 30 | 0 49 | 9 56 | 0 44 | 3 37 | 1 29 | 26 59 | 7 32 | 22 20 | 22 31 | 1 10 | 19 2 | 4 25 |
| S 8 | 15 2 | 3n48 | 5 11 | 6 37 | 4 31 | 2 37 | 0 50 | 21 34 | 1 5 | 22 43 | 0 14 | 22 30 | 0 49 | 9 54 | 0 44 | 3 37 | 1 29 | 26 58 | 7 32 | 22 21 | 22 32 | 1 7 | 19 2 | 4 25 |
| M 9 | 14 44 | 8 10 | 5 0 | 6 52 | 4 31 | 3 7 | 0 55 | 21 26 | 1 5 | 22 42 | 0 14 | 22 31 | 0 49 | 9 53 | 0 44 | 3 36 | 1 29 | 26 58 | 7 32 | 22 21 | 22 32 | 1 5 | 19 1 | 4 26 |
| T 10 | 14 25 | 12 17 | 4 36 | 7 10 | 4 29 | 3 38 | 1 0 | 21 18 | 1 6 | 22 41 | 0 14 | 22 31 | 0 49 | 9 52 | 0 44 | 3 35 | 1 29 | 26 58 | 7 32 | 22 22 | 22 32 | 1 2 | 19 1 | 4 26 |
| W11 | 14 6 | 15 57 | 3 59 | 7 32 | 4 25 | 4 8 | 1 5 | 21 11 | 1 6 | 22 39 | 0 14 | 22 31 | 0 49 | 9 50 | 0 44 | 3 34 | 1 29 | 26 57 | 7 32 | 22 22 | 22 33 | 1 0 | 19 1 | 4 27 |
| T 12 | 13 47 | 19 0 | 3 10 | 7 56 | 4 20 | 4 38 | 1 11 | 21 2 | 1 6 | 22 38 | 0 14 | 22 31 | 0 49 | 9 49 | 0 44 | 3 33 | 1 29 | 26 57 | 7 32 | 22 21 | 22 33 | 0 57 | 19 1 | 4 27 |
| F 13 | 13 28 | 21 13 | 2 11 | 8 22 | 4 12 | 5 8 | 1 16 | 20 54 | 1 7 | 22 36 | 0 14 | 22 31 | 0 48 | 9 47 | 0 44 | 3 33 | 1 29 | 26 57 | 7 33 | 22 21 | 22 34 | 0 55 | 19 0 | 4 27 |
| S 14 | 13 8 | 22 22 | 1 3 | 8 51 | 4 3 | 5 39 | 1 21 | 20 46 | 1 7 | 22 35 | 0 14 | 22 31 | 0 48 | 9 46 | 0 44 | 3 32 | 1 29 | 26 57 | 7 33 | 22 21 | 22 34 | 0 52 | 19 0 | 4 28 |
| S 15 | 12 49 | 22 15 | 0n10 | 9 21 | 3 51 | 6 8 | 1 27 | 20 37 | 1 7 | 22 33 | 0 14 | 22 31 | 0 48 | 9 45 | 0 44 | 3 31 | 1 29 | 26 56 | 7 33 | 22 21 | 22 34 | 0 49 | 19 0 | 4 28 |
| M16 | 12 29 | 20 45 | 1 26 | 9 52 | 3 38 | 6 38 | 1 32 | 20 29 | 1 8 | 22 32 | 0 15 | 22 31 | 0 48 | 9 43 | 0 44 | 3 30 | 1 29 | 26 56 | 7 33 | 22 21 | 22 35 | 0 47 | 19 0 | 4 29 |
| T 17 | 12 9 | 17 53 | 2 37 | 10 24 | 3 24 | 7 8 | 1 38 | 20 20 | 1 8 | 22 30 | 0 15 | 22 31 | 0 48 | 9 42 | 0 44 | 3 29 | 1 29 | 26 56 | 7 33 | 22 21 | 22 35 | 0 44 | 18 59 | 4 29 |
| W18 | 11 48 | 13 48 | 3 40 | 10 55 | 3 8 | 7 37 | 1 43 | 20 11 | 1 8 | 22 29 | 0 15 | 22 32 | 0 48 | 9 41 | 0 44 | 3 29 | 1 29 | 26 56 | 7 33 | 22 22 | 22 35 | 0 42 | 18 59 | 4 29 |
| T 19 | 11 28 | 8 49 | 4 28 | 11 26 | 2 50 | 8 7 | 1 49 | 20 2 | 1 9 | 22 27 | 0 15 | 22 32 | 0 47 | 9 39 | 0 44 | 3 28 | 1 29 | 26 55 | 7 34 | 22 23 | 22 36 | 0 39 | 18 59 | 4 30 |
| F 20 | 11 7 | 3 18 | 4 59 | 11 56 | 2 32 | 8 36 | 1 54 | 19 53 | 1 9 | 22 26 | 0 15 | 22 32 | 0 47 | 9 38 | 0 44 | 3 27 | 1 29 | 26 55 | 7 34 | 22 24 | 22 36 | 0 37 | 18 58 | 4 30 |
| S 21 | 10 46 | 2s23 | 5 8 | 12 24 | 2 13 | 9 5 | 2 0 | 19 43 | 1 9 | 22 24 | 0 15 | 22 32 | 0 47 | 9 36 | 0 44 | 3 26 | 1 29 | 26 55 | 7 34 | 22 25 | 22 37 | 0 34 | 18 58 | 4 31 |
| S 22 | 10 25 | 7 50 | 4 58 | 12 49 | 1 54 | 9 34 | 2 5 | 19 34 | 1 10 | 22 23 | 0 15 | 22 32 | 0 47 | 9 35 | 0 44 | 3 25 | 1 29 | 26 55 | 7 34 | 22 25 | 22 37 | 0 32 | 18 58 | 4 31 |
| M23 | 10 4 | 12 45 | 4 28 | 13 13 | 1 35 | 10 2 | 2 11 | 19 24 | 1 10 | 22 21 | 0 15 | 22 32 | 0 47 | 9 33 | 0 44 | 3 24 | 1 29 | 26 54 | 7 34 | 22 26 | 22 37 | 0 29 | 18 57 | 4 32 |
| T 24 | 9 42 | 16 51 | 3 44 | 13 33 | 1 15 | 10 31 | 2 17 | 19 14 | 1 10 | 22 20 | 0 16 | 22 32 | 0 47 | 9 32 | 0 44 | 3 23 | 1 29 | 26 54 | 7 34 | 22 26 | 22 38 | 0 26 | 18 57 | 4 32 |
| W25 | 9 20 | 19 55 | 2 47 | 13 50 | 0 57 | 10 59 | 2 23 | 19 5 | 1 10 | 22 18 | 0 16 | 22 33 | 0 47 | 9 31 | 0 44 | 3 23 | 1 29 | 26 54 | 7 35 | 22 26 | 22 38 | 0 24 | 18 57 | 4 32 |
| T 26 | 8 59 | 21 50 | 1 43 | 14 3 | 0 38 | 11 27 | 2 28 | 18 55 | 1 11 | 22 17 | 0 16 | 22 33 | 0 46 | 9 29 | 0 44 | 3 22 | 1 29 | 26 54 | 7 35 | 22 26 | 22 38 | 0 21 | 18 56 | 4 33 |
| F 27 | 8 37 | 22 32 | 0 35 | 14 13 | 0 21 | 11 54 | 2 34 | 18 44 | 1 11 | 22 15 | 0 16 | 22 33 | 0 46 | 9 28 | 0 44 | 3 21 | 1 29 | 26 54 | 7 35 | 22 25 | 22 39 | 0 19 | 18 56 | 4 33 |
| S 28 | 8 15 | 22 2 | 0s33 | 14 18 | 0 4 | 12 22 | 2 40 | 18 34 | 1 11 | 22 14 | 0 16 | 22 33 | 0 46 | 9 26 | 0 44 | 3 20 | 1 29 | 26 53 | 7 35 | 22 25 | 22 39 | 0 16 | 18 56 | 4 34 |
| S 29 | 7 53 | 20 25 | 1 39 | 14 20 | 0n12 | 12 49 | 2 45 | 18 24 | 1 12 | 22 12 | 0 16 | 22 33 | 0 46 | 9 25 | 0 44 | 3 19 | 1 29 | 26 53 | 7 35 | 22 26 | 22 40 | 0 14 | 18 55 | 4 34 |
| M30 | 7 30 | 17 52 | 2 39 | 14 18 | 0 27 | 13 16 | 2 51 | 18 14 | 1 12 | 22 10 | 0 16 | 22 34 | 0 46 | 9 24 | 0 44 | 3 18 | 1 29 | 26 53 | 7 36 | 22 26 | 22 40 | 0 11 | 18 55 | 4 35 |
| T 31 | 7n 8 | 14s32 | 3s30 | 14n13 | 0n40 | 13s42 | 2s57 | 18n 3 | 1n12 | 22n 9 | 0n17 | 22s34 | 0n46 | 9n22 | 0n44 | 3n17 | 1n29 | 26n53 | 7n36 | 22n27 | 22n40 | 0s 9 | 18n55 | 4s35 |

Julian Day Number = 2071179.5, Delta T = 28m02s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'36, Lahiri = 9°20'36 Julian Calendar 1 Aug. 958 == Greg. Calendar 6 Aug. 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## SEPTEMBER 958 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 22 59 15 | 12♍53'30 | 12♓50 | 25♌ 7 | 29♎20 | 14♌ 1 | 21♋28 | 21♐51 | 7♍51 | 25♍13 | 3♌25 | 17°R 7 | 15♋24 | 11♈38 | 25♊28 | W 1 |
| T 2 | 23 3 12 | 13°52'14 | 24°50 | 26°17 | 0♏18 | 14°39 | 21°39 | 21°52 | 7°55 | 25°15 | 3°26 | 16♋57 | 15°21 | 11°44 | 25°31 | T 2 |
| F 3 | 23 7 8 | 14°51'00 | 6♈45 | 27°34 | 1°15 | 15°16 | 21°49 | 21°53 | 7°59 | 25°17 | 3°28 | 16°45 | 15°18 | 11°51 | 25°33 | F 3 |
| S 4 | 23 11 5 | 15°49'49 | 18°37 | 28°56 | 2°11 | 15°54 | 22° 0 | 21°54 | 8° 3 | 25°19 | 3°29 | 16°34 | 15°15 | 11°58 | 25°35 | S 4 |
| S 5 | 23 15 1 | 16°48'39 | 0♉28 | 0♍22 | 3° 8 | 16°31 | 22°10 | 21°56 | 8° 6 | 25°22 | 3°31 | 16°25 | 15°12 | 12° 5 | 25°37 | S 5 |
| M 6 | 23 18 58 | 17°47'32 | 12°22 | 1°53 | 4° 3 | 17° 9 | 22°20 | 21°57 | 8°10 | 25°24 | 3°32 | 16°17 | 15° 8 | 12°11 | 25°39 | M 6 |
| T 7 | 23 22 54 | 18°46'27 | 24°20 | 3°28 | 4°59 | 17°47 | 22°30 | 21°59 | 8°14 | 25°26 | 3°34 | 16°11 | 15° 5 | 12°18 | 25°41 | T 7 |
| W 8 | 23 26 51 | 19°45'24 | 6♊28 | 5° 5 | 5°53 | 18°24 | 22°40 | 22° 0 | 8°18 | 25°28 | 3°35 | 16° 8 | 15° 2 | 12°25 | 25°43 | W 8 |
| T 9 | 23 30 48 | 20°44'23 | 18°50 | 6°45 | 6°48 | 19° 2 | 22°50 | 22° 2 | 8°21 | 25°30 | 3°36 | 16°D 7 | 14°59 | 12°32 | 25°45 | T 9 |
| F 10 | 23 34 44 | 21°43'25 | 1♋30 | 8°28 | 7°41 | 19°39 | 22°59 | 22° 4 | 8°25 | 25°33 | 3°38 | 16° 8 | 14°56 | 12°38 | 25°47 | F 10 |
| S 11 | 23 38 41 | 22°42'30 | 14°34 | 10°11 | 8°34 | 20°17 | 23° 9 | 22° 6 | 8°29 | 25°35 | 3°39 | 16°R 8 | 14°53 | 12°45 | 25°48 | S 11 |
| S 12 | 23 42 37 | 23°41'37 | 28° 4 | 11°56 | 9°27 | 20°54 | 23°18 | 22° 8 | 8°32 | 25°37 | 3°40 | 16° 8 | 14°49 | 12°52 | 25°50 | S 12 |
| M13 | 23 46 34 | 24°40'46 | 12♌ 4 | 13°42 | 10°19 | 21°32 | 23°28 | 22°10 | 8°36 | 25°39 | 3°41 | 16° 5 | 14°46 | 12°58 | 25°51 | M13 |
| T 14 | 23 50 30 | 25°39'57 | 26°33 | 15°28 | 11°10 | 22° 9 | 23°37 | 22°12 | 8°40 | 25°42 | 3°43 | 16° 0 | 14°43 | 13° 5 | 25°53 | T 14 |
| W15 | 23 54 27 | 26°39'10 | 11♍27 | 17°15 | 12° 0 | 22°47 | 23°46 | 22°14 | 8°43 | 25°44 | 3°44 | 15°52 | 14°40 | 13°12 | 25°54 | W15 |
| T 16 | 23 58 23 | 27°38'26 | 26°38 | 19° 2 | 12°50 | 23°24 | 23°55 | 22°17 | 8°47 | 25°46 | 3°45 | 15°43 | 14°37 | 13°19 | 25°55 | T 16 |
| F 17 | 0 2 20 | 28°37'44 | 11♎56 | 20°49 | 13°39 | 24° 1 | 24° 4 | 22°19 | 8°51 | 25°48 | 3°46 | 15°32 | 14°33 | 13°25 | 25°56 | F 17 |
| S 18 | 0 6 17 | 29°37'04 | 27°10 | 22°35 | 14°28 | 24°39 | 24°13 | 22°22 | 8°54 | 25°51 | 3°47 | 15°22 | 14°30 | 13°32 | 25°57 | S 18 |
| S 19 | 0 10 13 | 0♎36'25 | 12♏ 8 | 24°22 | 15°15 | 25°16 | 24°21 | 22°24 | 8°58 | 25°53 | 3°49 | 15°13 | 14°27 | 13°39 | 25°58 | S 19 |
| M20 | 0 14 10 | 1°35'49 | 26°45 | 26° 8 | 16° 2 | 25°53 | 24°30 | 22°27 | 9° 1 | 25°55 | 3°50 | 15° 7 | 14°24 | 13°45 | 25°59 | M20 |
| T 21 | 0 18 6 | 2°35'14 | 10♐54 | 27°53 | 16°48 | 26°31 | 24°38 | 22°30 | 9° 5 | 25°57 | 3°51 | 15° 3 | 14°21 | 13°52 | 26° 0 | T 21 |
| W22 | 0 22 3 | 3°34'42 | 24°35 | 29°38 | 17°33 | 27° 8 | 24°47 | 22°33 | 9° 9 | 25°59 | 3°52 | 15° 1 | 14°18 | 13°59 | 26° 1 | W22 |
| T 23 | 0 25 59 | 4°34'11 | 7♑51 | 1♎23 | 18°17 | 27°45 | 24°55 | 22°36 | 9°12 | 26° 2 | 3°53 | 15° 1 | 14°14 | 14° 6 | 26° 2 | T 23 |
| F 24 | 0 29 56 | 5°33'42 | 20°44 | 3° 6 | 19° 0 | 28°22 | 25° 3 | 22°39 | 9°16 | 26° 4 | 3°54 | 15° 1 | 14°11 | 14°12 | 26° 2 | F 24 |
| S 25 | 0 33 52 | 6°33'15 | 3♒18 | 4°50 | 19°43 | 28°59 | 25°11 | 22°42 | 9°19 | 26° 6 | 3°55 | 15° 0 | 14° 8 | 14°19 | 26° 3 | S 25 |
| S 26 | 0 37 49 | 7°32'49 | 15°38 | 6°32 | 20°24 | 29°37 | 25°19 | 22°45 | 9°22 | 26° 8 | 3°56 | 14°57 | 14° 5 | 14°26 | 26° 3 | S 26 |
| M27 | 0 41 45 | 8°32'25 | 27°47 | 8°14 | 21° 4 | 0♍14 | 25°26 | 22°49 | 9°26 | 26°11 | 3°57 | 14°51 | 14° 2 | 14°33 | 26° 3 | M27 |
| T 28 | 0 45 42 | 9°32'03 | 9♓49 | 9°56 | 21°42 | 0°51 | 25°34 | 22°52 | 9°29 | 26°13 | 3°58 | 14°42 | 13°59 | 14°39 | 26° 4 | T 28 |
| W29 | 0 49 39 | 10°31'43 | 21°47 | 11°36 | 22°20 | 1°28 | 25°41 | 22°56 | 9°33 | 26°15 | 3°59 | 14°30 | 13°55 | 14°46 | 26° 4 | W29 |
| T 30 | 0 53 35 | 11♎31'25 | 3♈41 | 13♎16 | 22♏56 | 2♍ 5 | 25♋48 | 22♐59 | 9♍36 | 26♍17 | 4♌ 0 | 14♋16 | 13♋52 | 14♈53 | 26♊ 4 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n45 | 10s39 | 4s12 | 14n 3 | 0n52 | 14s 8 | 3s 3 | 17n52 | 1n13 | 22n 7 | 0n17 | 22s34 | 0n45 | 9n21 | 0n44 | 3n17 | 1n29 | 26n53 | 7n36 | 22n28 | 22n41 | 0s 6 | 18n54 | 4s36 |
| T 2 | 6 23 | 6 22 | 4 42 | 13 49 | 1 4 | 14 34 | 3 8 | 17 42 | 1 13 | 22 6 | 0 17 | 22 34 | 0 45 | 9 19 | 0 44 | 3 16 | 1 29 | 26 53 | 7 36 | 22 30 | 22 41 | 0 3 | 18 54 | 4 36 |
| F 3 | 6 0 | 1 53 | 4 59 | 13 32 | 1 14 | 15 0 | 3 14 | 17 31 | 1 13 | 22 4 | 0 17 | 22 34 | 0 45 | 9 18 | 0 44 | 3 15 | 1 29 | 26 52 | 7 36 | 22 31 | 22 41 | 0 1 | 18 53 | 4 37 |
| S 4 | 5 37 | 2n39 | 5 3 | 13 12 | 1 22 | 15 25 | 3 20 | 17 20 | 1 13 | 22 3 | 0 17 | 22 35 | 0 45 | 9 17 | 0 44 | 3 14 | 1 29 | 26 52 | 7 37 | 22 32 | 22 42 | 0n 2 | 18 53 | 4 37 |
| S 5 | 5 14 | 7 6 | 4 55 | 12 48 | 1 30 | 15 50 | 3 25 | 17 9 | 1 14 | 22 1 | 0 17 | 22 35 | 0 45 | 9 15 | 0 44 | 3 13 | 1 29 | 26 52 | 7 37 | 22 34 | 22 42 | 0 4 | 18 53 | 4 37 |
| M 6 | 4 51 | 11 18 | 4 33 | 12 22 | 1 36 | 16 15 | 3 31 | 16 57 | 1 14 | 22 0 | 0 17 | 22 35 | 0 45 | 9 14 | 0 44 | 3 12 | 1 29 | 26 52 | 7 37 | 22 34 | 22 43 | 0 7 | 18 52 | 4 38 |
| T 7 | 4 28 | 15 5 | 4 0 | 11 52 | 1 42 | 16 39 | 3 37 | 16 46 | 1 14 | 21 58 | 0 17 | 22 35 | 0 45 | 9 12 | 0 44 | 3 11 | 1 29 | 26 52 | 7 37 | 22 35 | 22 43 | 0 9 | 18 52 | 4 38 |
| W 8 | 4 5 | 18 19 | 3 15 | 11 20 | 1 46 | 17 3 | 3 42 | 16 35 | 1 15 | 21 57 | 0 18 | 22 36 | 0 44 | 9 11 | 0 44 | 3 10 | 1 29 | 26 52 | 7 37 | 22 36 | 22 43 | 0 12 | 18 51 | 4 39 |
| T 9 | 3 41 | 20 47 | 2 20 | 10 46 | 1 49 | 17 27 | 3 48 | 16 23 | 1 15 | 21 55 | 0 18 | 22 36 | 0 44 | 9 10 | 0 44 | 3 9 | 1 29 | 26 52 | 7 38 | 22 36 | 22 44 | 0 15 | 18 51 | 4 39 |
| F 10 | 3 18 | 22 17 | 1 17 | 10 10 | 1 52 | 17 50 | 3 54 | 16 12 | 1 15 | 21 54 | 0 18 | 22 36 | 0 44 | 9 8 | 0 44 | 3 9 | 1 29 | 26 51 | 7 38 | 22 36 | 22 44 | 0 17 | 18 51 | 4 40 |
| S 11 | 2 55 | 22 38 | 0 8 | 9 32 | 1 53 | 18 12 | 3 59 | 16 0 | 1 15 | 21 52 | 0 18 | 22 36 | 0 44 | 9 7 | 0 44 | 3 8 | 1 29 | 26 51 | 7 38 | 22 36 | 22 44 | 0 20 | 18 50 | 4 40 |
| S 12 | 2 31 | 21 42 | 1n 3 | 8 52 | 1 54 | 18 35 | 4 4 | 15 48 | 1 16 | 21 51 | 0 18 | 22 37 | 0 44 | 9 5 | 0 44 | 3 7 | 1 29 | 26 51 | 7 38 | 22 36 | 22 45 | 0 22 | 18 50 | 4 41 |
| M13 | 2 8 | 19 24 | 2 13 | 8 11 | 1 54 | 18 56 | 4 10 | 15 36 | 1 16 | 21 49 | 0 18 | 22 37 | 0 44 | 9 4 | 0 44 | 3 6 | 1 29 | 26 51 | 7 39 | 22 36 | 22 45 | 0 25 | 18 49 | 4 41 |
| T 14 | 1 44 | 15 49 | 3 17 | 7 29 | 1 53 | 19 18 | 4 15 | 15 24 | 1 16 | 21 48 | 0 19 | 22 37 | 0 43 | 9 3 | 0 44 | 3 5 | 1 29 | 26 51 | 7 39 | 22 37 | 22 45 | 0 28 | 18 49 | 4 42 |
| W15 | 1 20 | 11 9 | 4 9 | 6 46 | 1 51 | 19 39 | 4 20 | 15 12 | 1 16 | 21 47 | 0 19 | 22 37 | 0 43 | 9 1 | 0 44 | 3 4 | 1 29 | 26 51 | 7 39 | 22 37 | 22 46 | 0 30 | 18 48 | 4 42 |
| T 16 | 0 57 | 5 42 | 4 45 | 6 2 | 1 49 | 19 59 | 4 26 | 15 0 | 1 17 | 21 45 | 0 19 | 22 38 | 0 43 | 9 0 | 0 44 | 3 3 | 1 29 | 26 51 | 7 39 | 22 39 | 22 46 | 0 33 | 18 48 | 4 43 |
| F 17 | 0 33 | 0s 8 | 5 1 | 5 18 | 1 47 | 20 20 | 4 31 | 14 48 | 1 17 | 21 44 | 0 19 | 22 38 | 0 43 | 8 59 | 0 44 | 3 2 | 1 29 | 26 51 | 7 40 | 22 40 | 22 46 | 0 35 | 18 47 | 4 43 |
| S 18 | 0 9 | 5 56 | 4 55 | 4 32 | 1 43 | 20 39 | 4 36 | 14 36 | 1 17 | 21 42 | 0 19 | 22 38 | 0 43 | 8 57 | 0 44 | 3 1 | 1 29 | 26 51 | 7 40 | 22 41 | 22 47 | 0 38 | 18 47 | 4 44 |
| S 19 | 0s15 | 11 18 | 4 29 | 3 47 | 1 40 | 20 58 | 4 41 | 14 23 | 1 18 | 21 41 | 0 19 | 22 39 | 0 43 | 8 56 | 0 44 | 3 1 | 1 29 | 26 51 | 7 40 | 22 42 | 22 47 | 0 41 | 18 47 | 4 44 |
| M20 | 0 38 | 15 52 | 3 46 | 3 1 | 1 36 | 21 17 | 4 46 | 14 11 | 1 18 | 21 40 | 0 19 | 22 39 | 0 43 | 8 55 | 0 44 | 3 0 | 1 29 | 26 51 | 7 40 | 22 43 | 22 47 | 0 43 | 18 46 | 4 45 |
| T 21 | 1 2 | 19 24 | 2 50 | 2 15 | 1 32 | 21 35 | 4 50 | 13 58 | 1 18 | 21 38 | 0 20 | 22 39 | 0 42 | 8 53 | 0 44 | 2 59 | 1 29 | 26 51 | 7 41 | 22 43 | 22 48 | 0 46 | 18 46 | 4 45 |
| W22 | 1 26 | 21 42 | 1 46 | 1 28 | 1 27 | 21 53 | 4 55 | 13 46 | 1 18 | 21 37 | 0 20 | 22 40 | 0 42 | 8 52 | 0 44 | 2 58 | 1 29 | 26 51 | 7 41 | 22 43 | 22 48 | 0 48 | 18 45 | 4 46 |
| T 23 | 1 50 | 22 43 | 0 38 | 0 42 | 1 22 | 22 10 | 5 0 | 13 33 | 1 19 | 21 36 | 0 20 | 22 40 | 0 42 | 8 51 | 0 44 | 2 57 | 1 29 | 26 51 | 7 41 | 22 43 | 22 48 | 0 51 | 18 45 | 4 46 |
| F 24 | 2 13 | 22 28 | 0s30 | 0s 4 | 1 17 | 22 26 | 5 4 | 13 20 | 1 19 | 21 34 | 0 20 | 22 40 | 0 42 | 8 49 | 0 44 | 2 56 | 1 29 | 26 51 | 7 41 | 22 43 | 22 49 | 0 53 | 18 44 | 4 47 |
| S 25 | 2 37 | 21 4 | 1 35 | 0 50 | 1 11 | 22 42 | 5 9 | 13 7 | 1 19 | 21 33 | 0 20 | 22 40 | 0 42 | 8 48 | 0 44 | 2 55 | 1 29 | 26 51 | 7 42 | 22 43 | 22 49 | 0 56 | 18 44 | 4 47 |
| S 26 | 3 1 | 18 41 | 2 34 | 1 36 | 1 6 | 22 58 | 5 13 | 12 55 | 1 19 | 21 32 | 0 20 | 22 41 | 0 42 | 8 47 | 0 44 | 2 54 | 1 29 | 26 51 | 7 42 | 22 44 | 22 49 | 0 59 | 18 43 | 4 48 |
| M27 | 3 24 | 15 31 | 3 25 | 2 22 | 1 0 | 23 13 | 5 17 | 12 42 | 1 20 | 21 31 | 0 21 | 22 41 | 0 42 | 8 45 | 0 44 | 2 54 | 1 29 | 26 51 | 7 42 | 22 44 | 22 50 | 1 1 | 18 43 | 4 48 |
| T 28 | 3 48 | 11 44 | 4 6 | 3 8 | 0 54 | 23 27 | 5 21 | 12 29 | 1 20 | 21 29 | 0 21 | 22 41 | 0 41 | 8 44 | 0 44 | 2 53 | 1 29 | 26 51 | 7 42 | 22 45 | 22 50 | 1 4 | 18 42 | 4 49 |
| W29 | 4 11 | 7 30 | 4 36 | 3 53 | 0 47 | 23 40 | 5 24 | 12 16 | 1 20 | 21 28 | 0 21 | 22 42 | 0 41 | 8 43 | 0 44 | 2 52 | 1 29 | 26 51 | 7 43 | 22 47 | 22 50 | 1 6 | 18 42 | 4 49 |
| T 30 | 4s35 | 3s 1 | 4s54 | 4s38 | 0n41 | 23s53 | 5s28 | 12n 2 | 1n20 | 21n27 | 0n21 | 22s42 | 0n41 | 8n42 | 0n44 | 2n51 | 1n29 | 26n51 | 7n43 | 22n48 | 22n51 | 1n 9 | 18n41 | 4s50 |

Julian Day Number = 2071210.5, Delta T = 28m02s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'40, Lahiri = 9°20'40 Julian Calendar 1 Sept. 958 == Greg. Calendar 6 Sept. 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## OCTOBER 958 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 57 32 | 12♎31'09 | 15♈34 | 14♎56 | 23♏31 | 2♍42 | 25♋55 | 23♐ 3 | 9♍39 | 26♍19 | 4♌ 1 | 14°R 2 | 13♋49 | 14♈59 | 26°R 4 | F 1 |
| S 2 | 1 1 28 | 13°30'55 | 27°26 | 16°35 | 24° 5 | 3°19 | 26° 2 | 23° 7 | 9°43 | 26°21 | 4° 1 | 13♋47 | 13°46 | 15° 6 | 26♊ 4 | S 2 |
| S 3 | 1 5 25 | 14°30'43 | 9♉20 | 18°13 | 24°38 | 3°56 | 26° 9 | 23°11 | 9°46 | 26°24 | 4° 2 | 13°34 | 13°43 | 15°13 | 26° 4 | S 3 |
| M 4 | 1 9 21 | 15°30'34 | 21°17 | 19°51 | 25° 8 | 4°33 | 26°16 | 23°15 | 9°49 | 26°26 | 4° 3 | 13°23 | 13°39 | 15°20 | 26° 3 | M 4 |
| T 5 | 1 13 18 | 16°30'26 | 3♊19 | 21°28 | 25°38 | 5°10 | 26°22 | 23°19 | 9°52 | 26°28 | 4° 4 | 13°15 | 13°36 | 15°26 | 26° 3 | T 5 |
| W 6 | 1 17 14 | 17°30'21 | 15°29 | 23° 4 | 26° 6 | 5°47 | 26°29 | 23°23 | 9°56 | 26°30 | 4° 4 | 13°10 | 13°33 | 15°33 | 26° 3 | W 6 |
| T 7 | 1 21 11 | 18°30'17 | 27°50 | 24°40 | 26°32 | 6°24 | 26°35 | 23°27 | 9°59 | 26°32 | 4° 5 | 13° 8 | 13°30 | 15°40 | 26° 2 | T 7 |
| F 8 | 1 25 8 | 19°30'17 | 10♋28 | 26°16 | 26°57 | 7° 1 | 26°41 | 23°31 | 10° 2 | 26°34 | 4° 6 | 13° 7 | 13°27 | 15°47 | 26° 2 | F 8 |
| S 9 | 1 29 4 | 20°30'18 | 23°25 | 27°51 | 27°19 | 7°38 | 26°47 | 23°35 | 10° 5 | 26°36 | 4° 6 | 13° 7 | 13°24 | 15°53 | 26° 1 | S 9 |
| S 10 | 1 33 1 | 21°30'21 | 6♌47 | 29°25 | 27°40 | 8°15 | 26°52 | 23°40 | 10° 8 | 26°38 | 4° 7 | 13° 6 | 13°20 | 16° 0 | 26° 0 | S 10 |
| M11 | 1 36 57 | 22°30'27 | 20°37 | 1♏ 0 | 28° 0 | 8°52 | 26°58 | 23°44 | 10°11 | 26°40 | 4° 8 | 13° 4 | 13°17 | 16° 7 | 25°59 | M11 |
| T 12 | 1 40 54 | 23°30'35 | 4♍55 | 2°33 | 28°17 | 9°28 | 27° 3 | 23°49 | 10°14 | 26°43 | 4° 8 | 12°59 | 13°14 | 16°13 | 25°58 | T 12 |
| W13 | 1 44 50 | 24°30'45 | 19°41 | 4° 6 | 28°32 | 10° 5 | 27° 9 | 23°54 | 10°17 | 26°45 | 4° 9 | 12°51 | 13°11 | 16°20 | 25°57 | W13 |
| T 14 | 1 48 47 | 25°30'57 | 4♎47 | 5°39 | 28°45 | 10°42 | 27°14 | 23°58 | 10°20 | 26°47 | 4° 9 | 12°41 | 13° 8 | 16°27 | 25°56 | T 14 |
| F 15 | 1 52 43 | 26°31'11 | 20° 5 | 7°12 | 28°56 | 11°19 | 27°18 | 24° 3 | 10°23 | 26°49 | 4°10 | 12°30 | 13° 4 | 16°34 | 25°55 | F 15 |
| S 16 | 1 56 40 | 27°31'27 | 5♏24 | 8°44 | 29° 5 | 11°55 | 27°23 | 24° 8 | 10°26 | 26°51 | 4°10 | 12°19 | 13° 1 | 16°40 | 25°54 | S 16 |
| S 17 | 2 0 37 | 28°31'44 | 20°33 | 10°15 | 29°12 | 12°32 | 27°28 | 24°13 | 10°29 | 26°53 | 4°11 | 12°10 | 12°58 | 16°47 | 25°53 | S 17 |
| M18 | 2 4 33 | 29°32'04 | 5♐21 | 11°46 | 29°17 | 13° 9 | 27°32 | 24°18 | 10°32 | 26°55 | 4°11 | 12° 3 | 12°55 | 16°54 | 25°51 | M18 |
| T 19 | 2 8 30 | 0♏32'25 | 19°41 | 13°17 | 29°R19 | 13°45 | 27°36 | 24°23 | 10°34 | 26°56 | 4°11 | 11°58 | 12°52 | 17° 0 | 25°50 | T 19 |
| W20 | 2 12 26 | 1°32'47 | 3♑33 | 14°48 | 29°18 | 14°22 | 27°40 | 24°28 | 10°37 | 26°58 | 4°12 | 11°57 | 12°49 | 17° 7 | 25°48 | W20 |
| T 21 | 2 16 23 | 2°33'11 | 16°55 | 16°18 | 29°16 | 14°59 | 27°44 | 24°33 | 10°40 | 27° 0 | 4°12 | 11°D56 | 12°45 | 17°14 | 25°47 | T 21 |
| F 22 | 2 20 19 | 3°33'37 | 29°51 | 17°47 | 29°11 | 15°35 | 27°48 | 24°38 | 10°42 | 27° 2 | 4°12 | 11°R57 | 12°42 | 17°21 | 25°45 | F 22 |
| S 23 | 2 24 16 | 4°34'03 | 12♒25 | 19°17 | 29° 3 | 16°12 | 27°51 | 24°44 | 10°45 | 27° 4 | 4°13 | 11°57 | 12°39 | 17°27 | 25°43 | S 23 |
| S 24 | 2 28 12 | 5°34'31 | 24°43 | 20°45 | 28°53 | 16°48 | 27°55 | 24°49 | 10°48 | 27° 6 | 4°13 | 11°55 | 12°36 | 17°34 | 25°41 | S 24 |
| M25 | 2 32 9 | 6°35'01 | 6♓48 | 22°14 | 28°41 | 17°24 | 27°58 | 24°54 | 10°50 | 27° 8 | 4°13 | 11°50 | 12°33 | 17°41 | 25°39 | M25 |
| T 26 | 2 36 6 | 7°35'32 | 18°46 | 23°42 | 28°26 | 18° 1 | 28° 1 | 25° 0 | 10°53 | 27°10 | 4°13 | 11°43 | 12°30 | 17°48 | 25°37 | T 26 |
| W27 | 2 40 2 | 8°36'04 | 0♈39 | 25° 9 | 28° 8 | 18°37 | 28° 3 | 25° 5 | 10°55 | 27°11 | 4°13 | 11°34 | 12°26 | 17°54 | 25°35 | W27 |
| T 28 | 2 43 59 | 9°36'37 | 12°30 | 26°36 | 27°49 | 19°14 | 28° 6 | 25°11 | 10°57 | 27°13 | 4°13 | 11°23 | 12°23 | 18° 1 | 25°33 | T 28 |
| F 29 | 2 47 55 | 10°37'12 | 24°23 | 28° 2 | 27°27 | 19°50 | 28° 8 | 25°17 | 11° 0 | 27°15 | 4°14 | 11°10 | 12°20 | 18° 8 | 25°31 | F 29 |
| S 30 | 2 51 52 | 11°37'49 | 6♉19 | 29°28 | 27° 2 | 20°26 | 28°11 | 25°22 | 11° 2 | 27°17 | 4°14 | 10°58 | 12°17 | 18°14 | 25°28 | S 30 |
| S 31 | 2 55 48 | 12♏38'27 | 18♉19 | 0♐52 | 26♏36 | 21♍ 2 | 28♋13 | 25♐28 | 11♍ 4 | 27♍18 | 4°R14 | 10♋47 | 12♋14 | 18♈21 | 25♊26 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 4s58 | 1n34 | 4s59 | 5s23 | 0n35 | 24s 6 | 5s31 | 11n49 | 1n21 | 21n26 | 0n21 | 22s42 | 0n41 | 8n40 | 0n44 | 2n50 | 1n29 | 26n51 | 7n43 | 22n50 | 22n51 | 1n12 | 18n41 | 4s50 |
| S 2 | 5 22 | 6 6 | 4 51 | 6 7 | 0 28 | 24 18 | 5 34 | 11 36 | 1 21 | 21 25 | 0 21 | 22 43 | 0 41 | 8 39 | 0 44 | 2 49 | 1 29 | 26 51 | 7 44 | 22 51 | 22 51 | 1 14 | 18 40 | 4 51 |
| S 3 | 5 45 | 10 25 | 4 30 | 6 51 | 0 22 | 24 29 | 5 37 | 11 23 | 1 21 | 21 23 | 0 22 | 22 43 | 0 41 | 8 38 | 0 44 | 2 49 | 1 29 | 26 51 | 7 44 | 22 53 | 22 52 | 1 17 | 18 40 | 4 51 |
| M 4 | 6 8 | 14 22 | 3 57 | 7 34 | 0 15 | 24 39 | 5 40 | 11 9 | 1 21 | 21 22 | 0 22 | 22 43 | 0 41 | 8 37 | 0 44 | 2 48 | 1 29 | 26 51 | 7 44 | 22 54 | 22 52 | 1 19 | 18 39 | 4 52 |
| T 5 | 6 31 | 17 46 | 3 13 | 8 17 | 0 8 | 24 49 | 5 43 | 10 56 | 1 21 | 21 21 | 0 22 | 22 44 | 0 41 | 8 36 | 0 44 | 2 47 | 1 30 | 26 51 | 7 44 | 22 55 | 22 52 | 1 22 | 18 39 | 4 52 |
| W 6 | 6 55 | 20 27 | 2 20 | 9 0 | 0 2 | 24 58 | 5 45 | 10 42 | 1 22 | 21 20 | 0 22 | 22 44 | 0 40 | 8 34 | 0 44 | 2 46 | 1 30 | 26 51 | 7 45 | 22 55 | 22 53 | 1 25 | 18 38 | 4 53 |
| T 7 | 7 18 | 22 14 | 1 20 | 9 41 | 0s 5 | 25 6 | 5 47 | 10 29 | 1 22 | 21 19 | 0 22 | 22 44 | 0 40 | 8 33 | 0 44 | 2 45 | 1 30 | 26 51 | 7 45 | 22 55 | 22 53 | 1 27 | 18 38 | 4 53 |
| F 8 | 7 40 | 22 56 | 0 14 | 10 23 | 0 12 | 25 14 | 5 49 | 10 15 | 1 22 | 21 18 | 0 22 | 22 45 | 0 40 | 8 32 | 0 44 | 2 44 | 1 30 | 26 52 | 7 45 | 22 55 | 22 53 | 1 30 | 18 37 | 4 54 |
| S 9 | 8 3 | 22 25 | 0n54 | 11 3 | 0 19 | 25 20 | 5 50 | 10 2 | 1 22 | 21 17 | 0 23 | 22 45 | 0 40 | 8 31 | 0 44 | 2 44 | 1 30 | 26 52 | 7 45 | 22 55 | 22 54 | 1 33 | 18 37 | 4 54 |
| S 10 | 8 26 | 20 38 | 2 2 | 11 43 | 0 25 | 25 27 | 5 51 | 9 48 | 1 23 | 21 16 | 0 23 | 22 45 | 0 40 | 8 30 | 0 44 | 2 43 | 1 30 | 26 52 | 7 46 | 22 55 | 22 54 | 1 35 | 18 36 | 4 55 |
| M11 | 8 48 | 17 36 | 3 4 | 12 23 | 0 32 | 25 32 | 5 52 | 9 34 | 1 23 | 21 15 | 0 23 | 22 46 | 0 40 | 8 29 | 0 44 | 2 42 | 1 30 | 26 52 | 7 46 | 22 56 | 22 54 | 1 38 | 18 36 | 4 55 |
| T 12 | 9 11 | 13 26 | 3 58 | 13 2 | 0 38 | 25 36 | 5 52 | 9 21 | 1 23 | 21 15 | 0 23 | 22 46 | 0 40 | 8 27 | 0 44 | 2 41 | 1 30 | 26 52 | 7 46 | 22 56 | 22 55 | 1 40 | 18 35 | 4 56 |
| W13 | 9 33 | 8 21 | 4 37 | 13 40 | 0 45 | 25 40 | 5 52 | 9 7 | 1 23 | 21 14 | 0 23 | 22 46 | 0 39 | 8 26 | 0 44 | 2 40 | 1 30 | 26 52 | 7 47 | 22 57 | 22 55 | 1 43 | 18 35 | 4 56 |
| T 14 | 9 55 | 2 39 | 4 58 | 14 17 | 0 51 | 25 42 | 5 52 | 8 53 | 1 24 | 21 13 | 0 24 | 22 47 | 0 39 | 8 25 | 0 45 | 2 40 | 1 30 | 26 52 | 7 47 | 22 58 | 22 55 | 1 46 | 18 34 | 4 57 |
| F 15 | 10 17 | 3s18 | 4 58 | 14 54 | 0 58 | 25 44 | 5 51 | 8 39 | 1 24 | 21 12 | 0 24 | 22 47 | 0 39 | 8 24 | 0 45 | 2 39 | 1 30 | 26 52 | 7 47 | 22 59 | 22 56 | 1 48 | 18 34 | 4 57 |
| S 16 | 10 39 | 9 3 | 4 37 | 15 30 | 1 4 | 25 45 | 5 50 | 8 25 | 1 24 | 21 11 | 0 24 | 22 48 | 0 39 | 8 23 | 0 45 | 2 38 | 1 30 | 26 53 | 7 47 | 23 0 | 22 56 | 1 51 | 18 33 | 4 58 |
| S 17 | 11 1 | 14 11 | 3 57 | 16 5 | 1 10 | 25 45 | 5 48 | 8 11 | 1 24 | 21 11 | 0 24 | 22 48 | 0 39 | 8 22 | 0 45 | 2 37 | 1 30 | 26 53 | 7 48 | 23 1 | 22 56 | 1 53 | 18 33 | 4 58 |
| M18 | 11 22 | 18 21 | 3 1 | 16 40 | 1 16 | 25 44 | 5 46 | 7 57 | 1 24 | 21 10 | 0 24 | 22 48 | 0 39 | 8 21 | 0 45 | 2 37 | 1 30 | 26 53 | 7 48 | 23 1 | 22 57 | 1 56 | 18 32 | 4 59 |
| T 19 | 11 44 | 21 15 | 1 55 | 17 13 | 1 22 | 25 42 | 5 43 | 7 43 | 1 25 | 21 9 | 0 24 | 22 49 | 0 39 | 8 20 | 0 45 | 2 36 | 1 30 | 26 53 | 7 48 | 23 2 | 22 57 | 1 59 | 18 31 | 4 59 |
| W20 | 12 5 | 22 47 | 0 44 | 17 46 | 1 28 | 25 38 | 5 40 | 7 29 | 1 25 | 21 9 | 0 25 | 22 49 | 0 39 | 8 19 | 0 45 | 2 35 | 1 30 | 26 53 | 7 49 | 23 2 | 22 57 | 2 1 | 18 31 | 5 0 |
| T 21 | 12 26 | 22 56 | 0s26 | 18 18 | 1 34 | 25 34 | 5 36 | 7 15 | 1 25 | 21 8 | 0 25 | 22 49 | 0 38 | 8 18 | 0 45 | 2 34 | 1 30 | 26 54 | 7 49 | 23 2 | 22 57 | 2 4 | 18 30 | 5 0 |
| F 22 | 12 46 | 21 49 | 1 34 | 18 49 | 1 39 | 25 29 | 5 32 | 7 1 | 1 25 | 21 8 | 0 25 | 22 50 | 0 38 | 8 17 | 0 45 | 2 34 | 1 30 | 26 54 | 7 49 | 23 2 | 22 58 | 2 7 | 18 30 | 5 0 |
| S 23 | 13 7 | 19 38 | 2 35 | 19 19 | 1 44 | 25 22 | 5 27 | 6 47 | 1 25 | 21 7 | 0 25 | 22 50 | 0 38 | 8 16 | 0 45 | 2 33 | 1 30 | 26 54 | 7 50 | 23 2 | 22 58 | 2 9 | 18 29 | 5 1 |
| S 24 | 13 27 | 16 36 | 3 27 | 19 48 | 1 50 | 25 15 | 5 22 | 6 33 | 1 26 | 21 7 | 0 25 | 22 50 | 0 38 | 8 15 | 0 45 | 2 32 | 1 30 | 26 54 | 7 50 | 23 2 | 22 58 | 2 12 | 18 29 | 5 1 |
| M25 | 13 47 | 12 54 | 4 9 | 20 16 | 1 54 | 25 6 | 5 15 | 6 19 | 1 26 | 21 6 | 0 26 | 22 51 | 0 38 | 8 14 | 0 45 | 2 31 | 1 30 | 26 55 | 7 50 | 23 3 | 22 59 | 2 14 | 18 28 | 5 2 |
| T 26 | 14 7 | 8 45 | 4 39 | 20 43 | 1 59 | 24 56 | 5 9 | 6 5 | 1 26 | 21 6 | 0 26 | 22 51 | 0 38 | 8 13 | 0 45 | 2 31 | 1 30 | 26 55 | 7 50 | 23 3 | 22 59 | 2 17 | 18 28 | 5 2 |
| W27 | 14 27 | 4 17 | 4 57 | 21 9 | 2 4 | 24 45 | 5 1 | 5 51 | 1 26 | 21 5 | 0 26 | 22 51 | 0 38 | 8 12 | 0 45 | 2 30 | 1 30 | 26 55 | 7 51 | 23 4 | 22 59 | 2 20 | 18 27 | 5 3 |
| T 28 | 14 46 | 0n19 | 5 3 | 21 34 | 2 8 | 24 32 | 4 53 | 5 37 | 1 26 | 21 5 | 0 26 | 22 51 | 0 38 | 8 11 | 0 45 | 2 29 | 1 30 | 26 55 | 7 51 | 23 5 | 23 0 | 2 22 | 18 27 | 5 3 |
| F 29 | 15 6 | 4 56 | 4 55 | 21 58 | 2 11 | 24 19 | 4 44 | 5 22 | 1 27 | 21 5 | 0 26 | 22 52 | 0 38 | 8 11 | 0 45 | 2 29 | 1 30 | 26 56 | 7 51 | 23 6 | 23 0 | 2 25 | 18 26 | 5 4 |
| S 30 | 15 24 | 9 23 | 4 34 | 22 21 | 2 15 | 24 4 | 4 35 | 5 8 | 1 27 | 21 5 | 0 27 | 22 52 | 0 37 | 8 10 | 0 45 | 2 28 | 1 30 | 26 56 | 7 52 | 23 7 | 23 0 | 2 28 | 18 26 | 5 4 |
| S 31 | 15s43 | 13n31 | 4s 1 | 22s42 | 2s18 | 23s48 | 4s25 | 4n54 | 1n27 | 21n 4 | 0n27 | 22s52 | 0n37 | 8n 9 | 0n45 | 2n27 | 1n30 | 26n56 | 7n52 | 23n 8 | 23n 0 | 2n30 | 18n25 | 5s 4 |

Julian Day Number = 2071240.5, Delta T = 28m01s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'44, Lahiri = 9°20'44 Julian Calendar 1 Oct. 958 == Greg. Calendar 6 Oct. 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## NOVEMBER 958 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 2 59 45 | 13♏39'06 | 0♊23 | 2♐16 | 26°R 8 | 21♍39 | 28♋14 | 25♐34 | 11♍ 7 | 27♍20 | 4°R14 | 10°R38 | 12♋10 | 18♈28 | 25°R24 | M 1 |
| T 2 | 3 3 41 | 14°39'47 | 12°35 | 3°40 | 25♏38 | 22°15 | 28°16 | 25°40 | 11° 9 | 27°22 | 4♌14 | 10♋32 | 12° 7 | 18°35 | 25♊21 | T 2 |
| W 3 | 3 7 38 | 15°40'30 | 24°55 | 5° 2 | 25° 7 | 22°51 | 28°17 | 25°46 | 11°11 | 27°23 | 4°14 | 10°28 | 12° 4 | 18°41 | 25°19 | W 3 |
| T 4 | 3 11 35 | 16°41'14 | 7♋25 | 6°23 | 24°34 | 23°27 | 28°19 | 25°52 | 11°13 | 27°25 | 4°13 | 10°D27 | 12° 1 | 18°48 | 25°16 | T 4 |
| F 5 | 3 15 31 | 17°42'00 | 20° 8 | 7°42 | 24° 0 | 24° 3 | 28°20 | 25°58 | 11°15 | 27°27 | 4°13 | 10°27 | 11°58 | 18°55 | 25°13 | F 5 |
| S 6 | 3 19 28 | 18°42'47 | 3♌ 8 | 9° 0 | 23°25 | 24°39 | 28°21 | 26° 4 | 11°17 | 27°28 | 4°13 | 10°28 | 11°55 | 19° 2 | 25°10 | S 6 |
| S 7 | 3 23 24 | 19°43'36 | 16°26 | 10°17 | 22°49 | 25°15 | 28°21 | 26°10 | 11°19 | 27°30 | 4°13 | 10°R29 | 11°51 | 19° 8 | 25° 8 | S 7 |
| M 8 | 3 27 21 | 20°44'27 | 0♍ 7 | 11°31 | 22°13 | 25°51 | 28°22 | 26°16 | 11°21 | 27°31 | 4°13 | 10°29 | 11°48 | 19°15 | 25° 5 | M 8 |
| T 9 | 3 31 17 | 21°45'19 | 14°12 | 12°43 | 21°37 | 26°27 | 28°22 | 26°23 | 11°23 | 27°33 | 4°13 | 10°26 | 11°45 | 19°22 | 25° 2 | T 9 |
| W10 | 3 35 14 | 22°46'12 | 28°39 | 13°52 | 21° 1 | 27° 3 | 28°R22 | 26°29 | 11°24 | 27°34 | 4°12 | 10°22 | 11°42 | 19°28 | 24°59 | W10 |
| T 11 | 3 39 10 | 23°47'07 | 13♎26 | 14°59 | 20°24 | 27°39 | 28°22 | 26°35 | 11°26 | 27°36 | 4°12 | 10°16 | 11°39 | 19°35 | 24°56 | T 11 |
| F 12 | 3 43 7 | 24°48'03 | 28°26 | 16° 2 | 19°49 | 28°15 | 28°21 | 26°41 | 11°28 | 27°37 | 4°12 | 10° 9 | 11°36 | 19°42 | 24°53 | F 12 |
| S 13 | 3 47 4 | 25°49'01 | 13♏31 | 17° 1 | 19°14 | 28°51 | 28°21 | 26°48 | 11°29 | 27°38 | 4°11 | 10° 2 | 11°32 | 19°49 | 24°49 | S 13 |
| S 14 | 3 51 0 | 26°49'59 | 28°30 | 17°55 | 18°40 | 29°27 | 28°20 | 26°54 | 11°31 | 27°40 | 4°11 | 9°55 | 11°29 | 19°55 | 24°46 | S 14 |
| M15 | 3 54 57 | 27°50'59 | 13♐16 | 18°44 | 18° 8 | 0♎ 2 | 28°19 | 27° 1 | 11°33 | 27°41 | 4°11 | 9°51 | 11°26 | 20° 2 | 24°43 | M15 |
| T 16 | 3 58 53 | 28°52'00 | 27°39 | 19°28 | 17°37 | 0°38 | 28°18 | 27° 7 | 11°34 | 27°42 | 4°10 | 9°48 | 11°23 | 20° 9 | 24°40 | T 16 |
| W17 | 4 2 50 | 29°53'01 | 11♑37 | 20° 5 | 17° 7 | 1°14 | 28°17 | 27°14 | 11°36 | 27°44 | 4°10 | 9°D47 | 11°20 | 20°15 | 24°36 | W17 |
| T 18 | 4 6 46 | 0♐54'04 | 25° 7 | 20°34 | 16°39 | 1°49 | 28°15 | 27°20 | 11°37 | 27°45 | 4° 9 | 9°48 | 11°16 | 20°22 | 24°33 | T 18 |
| F 19 | 4 10 43 | 1°55'07 | 8♒10 | 20°55 | 16°14 | 2°25 | 28°13 | 27°27 | 11°38 | 27°46 | 4° 9 | 9°50 | 11°13 | 20°29 | 24°29 | F 19 |
| S 20 | 4 14 39 | 2°56'10 | 20°51 | 21° 7 | 15°50 | 3° 0 | 28°11 | 27°34 | 11°40 | 27°47 | 4° 8 | 9°51 | 11°10 | 20°36 | 24°26 | S 20 |
| S 21 | 4 18 36 | 3°57'14 | 3♓12 | 21°R 8 | 15°28 | 3°36 | 28° 9 | 27°40 | 11°41 | 27°48 | 4° 8 | 9°R52 | 11° 7 | 20°42 | 24°22 | S 21 |
| M22 | 4 22 33 | 4°58'18 | 15°19 | 20°59 | 15° 9 | 4°11 | 28° 7 | 27°47 | 11°42 | 27°50 | 4° 7 | 9°51 | 11° 4 | 20°49 | 24°19 | M22 |
| T 23 | 4 26 29 | 5°59'23 | 27°16 | 20°39 | 14°52 | 4°46 | 28° 4 | 27°54 | 11°43 | 27°51 | 4° 7 | 9°49 | 11° 1 | 20°56 | 24°15 | T 23 |
| W24 | 4 30 26 | 7° 0'29 | 9♈ 8 | 20° 7 | 14°37 | 5°22 | 28° 2 | 28° 0 | 11°44 | 27°52 | 4° 6 | 9°45 | 10°57 | 21° 3 | 24°11 | W24 |
| T 25 | 4 34 22 | 8° 1'34 | 21° 0 | 19°24 | 14°25 | 5°57 | 27°59 | 28° 7 | 11°45 | 27°53 | 4° 5 | 9°40 | 10°54 | 21° 9 | 24° 8 | T 25 |
| F 26 | 4 38 19 | 9° 2'41 | 2♉54 | 18°29 | 14°15 | 6°32 | 27°56 | 28°14 | 11°46 | 27°54 | 4° 5 | 9°35 | 10°51 | 21°16 | 24° 4 | F 26 |
| S 27 | 4 42 15 | 10° 3'48 | 14°54 | 17°25 | 14° 8 | 7° 7 | 27°52 | 28°21 | 11°47 | 27°55 | 4° 4 | 9°29 | 10°48 | 21°23 | 24° 0 | S 27 |
| S 28 | 4 46 12 | 11° 4'55 | 27° 1 | 16°13 | 14° 4 | 7°42 | 27°49 | 28°28 | 11°48 | 27°56 | 4° 3 | 9°24 | 10°45 | 21°29 | 23°56 | S 28 |
| M29 | 4 50 8 | 12° 6'03 | 9♊17 | 14°55 | 14°D 1 | 8°18 | 27°45 | 28°35 | 11°48 | 27°57 | 4° 2 | 9°20 | 10°42 | 21°36 | 23°53 | M29 |
| T 30 | 4 54 5 | 13♐ 7'11 | 21♊43 | 13♐33 | 14♏ 2 | 8♎53 | 27♋41 | 28♐42 | 11♍49 | 27♍57 | 4♌ 2 | 9♋17 | 10♋38 | 21♈43 | 23♊49 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s 2 | 17n 8 | 3s17 | 23s 2 | 2s21 | 23s31 | 4s14 | 4n40 | 1n27 | 21n 4 | 0n27 | 22s53 | 0n37 | 8n 8 | 0n45 | 2n27 | 1n30 | 26n56 | 7n52 | 23n 9 | 23n 1 | 2n33 | 18n25 | 5s 5 |
| T 2 | 16 20 | 20 4 | 2 24 | 23 21 | 2 24 | 23 12 | 4 3 | 4 26 | 1 27 | 21 4 | 0 27 | 22 53 | 0 37 | 8 7 | 0 45 | 2 26 | 1 30 | 26 57 | 7 52 | 23 9 | 23 1 | 2 36 | 18 24 | 5 5 |
| W 3 | 16 37 | 22 6 | 1 22 | 23 38 | 2 26 | 22 53 | 3 51 | 4 12 | 1 28 | 21 4 | 0 27 | 22 53 | 0 37 | 8 6 | 0 45 | 2 26 | 1 31 | 26 57 | 7 53 | 23 9 | 23 1 | 2 38 | 18 24 | 5 6 |
| T 4 | 16 55 | 23 6 | 0 16 | 23 55 | 2 27 | 22 33 | 3 38 | 3 57 | 1 28 | 21 4 | 0 28 | 22 54 | 0 37 | 8 6 | 0 45 | 2 25 | 1 31 | 26 57 | 7 53 | 23 10 | 23 2 | 2 41 | 18 23 | 5 6 |
| F 5 | 17 12 | 22 55 | 0n52 | 24 9 | 2 28 | 22 11 | 3 25 | 3 43 | 1 28 | 21 4 | 0 28 | 22 54 | 0 37 | 8 5 | 0 45 | 2 24 | 1 31 | 26 58 | 7 53 | 23 10 | 23 2 | 2 43 | 18 23 | 5 6 |
| S 6 | 17 29 | 21 30 | 1 59 | 24 22 | 2 29 | 21 49 | 3 12 | 3 29 | 1 28 | 21 4 | 0 28 | 22 54 | 0 37 | 8 4 | 0 45 | 2 24 | 1 31 | 26 58 | 7 54 | 23 9 | 23 2 | 2 46 | 18 22 | 5 7 |
| S 7 | 17 46 | 18 52 | 3 1 | 24 34 | 2 29 | 21 26 | 2 57 | 3 15 | 1 28 | 21 4 | 0 28 | 22 55 | 0 37 | 8 4 | 0 45 | 2 23 | 1 31 | 26 58 | 7 54 | 23 9 | 23 2 | 2 49 | 18 22 | 5 7 |
| M 8 | 18 2 | 15 9 | 3 55 | 24 44 | 2 28 | 21 3 | 2 43 | 3 0 | 1 28 | 21 4 | 0 28 | 22 55 | 0 36 | 8 3 | 0 45 | 2 23 | 1 31 | 26 59 | 7 54 | 23 9 | 23 3 | 2 51 | 18 22 | 5 8 |
| T 9 | 18 18 | 10 30 | 4 36 | 24 53 | 2 27 | 20 39 | 2 28 | 2 46 | 1 29 | 21 4 | 0 29 | 22 55 | 0 36 | 8 2 | 0 45 | 2 22 | 1 31 | 26 59 | 7 55 | 23 10 | 23 3 | 2 54 | 18 21 | 5 8 |
| W10 | 18 34 | 5 9 | 5 1 | 24 59 | 2 25 | 20 15 | 2 13 | 2 32 | 1 29 | 21 5 | 0 29 | 22 55 | 0 36 | 8 2 | 0 45 | 2 22 | 1 31 | 26 59 | 7 55 | 23 10 | 23 3 | 2 57 | 18 21 | 5 8 |
| T 11 | 18 49 | 0s37 | 5 7 | 25 4 | 2 22 | 19 50 | 1 58 | 2 18 | 1 29 | 21 5 | 0 29 | 22 56 | 0 36 | 8 1 | 0 45 | 2 21 | 1 31 | 27 0 | 7 55 | 23 10 | 23 4 | 2 59 | 18 20 | 5 9 |
| F 12 | 19 4 | 6 25 | 4 52 | 25 8 | 2 18 | 19 26 | 1 42 | 2 4 | 1 29 | 21 5 | 0 29 | 22 56 | 0 36 | 8 0 | 0 46 | 2 21 | 1 31 | 27 0 | 7 55 | 23 11 | 23 4 | 3 2 | 18 20 | 5 9 |
| S 13 | 19 19 | 11 53 | 4 17 | 25 9 | 2 14 | 19 1 | 1 27 | 1 49 | 1 29 | 21 5 | 0 30 | 22 56 | 0 36 | 8 0 | 0 46 | 2 20 | 1 31 | 27 0 | 7 56 | 23 12 | 23 4 | 3 5 | 18 19 | 5 9 |
| S 14 | 19 34 | 16 37 | 3 25 | 25 9 | 2 8 | 18 37 | 1 11 | 1 35 | 1 29 | 21 6 | 0 30 | 22 56 | 0 36 | 7 59 | 0 46 | 2 20 | 1 31 | 27 1 | 7 56 | 23 12 | 23 4 | 3 7 | 18 19 | 5 10 |
| M15 | 19 47 | 20 13 | 2 19 | 25 7 | 2 2 | 18 13 | 0 55 | 1 21 | 1 30 | 21 6 | 0 30 | 22 57 | 0 36 | 7 59 | 0 46 | 2 19 | 1 31 | 27 1 | 7 56 | 23 12 | 23 5 | 3 10 | 18 18 | 5 10 |
| T 16 | 20 1 | 22 28 | 1 5 | 25 3 | 1 54 | 17 49 | 0 40 | 1 7 | 1 30 | 21 7 | 0 30 | 22 57 | 0 36 | 7 58 | 0 46 | 2 19 | 1 31 | 27 1 | 7 57 | 23 13 | 23 5 | 3 12 | 18 18 | 5 10 |
| W17 | 20 14 | 23 14 | 0s10 | 24 57 | 1 45 | 17 26 | 0 25 | 0 53 | 1 30 | 21 7 | 0 30 | 22 57 | 0 36 | 7 58 | 0 46 | 2 18 | 1 31 | 27 2 | 7 57 | 23 13 | 23 5 | 3 15 | 18 17 | 5 11 |
| T 18 | 20 27 | 22 35 | 1 22 | 24 48 | 1 35 | 17 4 | 0 9 | 0 39 | 1 30 | 21 8 | 0 31 | 22 57 | 0 35 | 7 57 | 0 46 | 2 18 | 1 31 | 27 2 | 7 57 | 23 13 | 23 6 | 3 18 | 18 17 | 5 11 |
| F 19 | 20 40 | 20 43 | 2 28 | 24 38 | 1 23 | 16 42 | 0n 5 | 0 25 | 1 30 | 21 8 | 0 31 | 22 58 | 0 35 | 7 57 | 0 46 | 2 17 | 1 31 | 27 3 | 7 57 | 23 12 | 23 6 | 3 20 | 18 17 | 5 11 |
| S 20 | 20 52 | 17 51 | 3 25 | 24 26 | 1 10 | 16 21 | 0 20 | 0 11 | 1 30 | 21 9 | 0 31 | 22 58 | 0 35 | 7 56 | 0 46 | 2 17 | 1 31 | 27 3 | 7 58 | 23 12 | 23 6 | 3 23 | 18 16 | 5 12 |
| S 21 | 21 3 | 14 16 | 4 10 | 24 12 | 0 55 | 16 1 | 0 34 | 0s 3 | 1 30 | 21 9 | 0 31 | 22 58 | 0 35 | 7 56 | 0 46 | 2 16 | 1 31 | 27 3 | 7 58 | 23 12 | 23 6 | 3 26 | 18 16 | 5 12 |
| M22 | 21 15 | 10 10 | 4 44 | 23 55 | 0 40 | 15 42 | 0 48 | 0 17 | 1 31 | 21 10 | 0 31 | 22 58 | 0 35 | 7 55 | 0 46 | 2 16 | 1 31 | 27 4 | 7 58 | 23 12 | 23 7 | 3 28 | 18 15 | 5 12 |
| T 23 | 21 26 | 5 44 | 5 4 | 23 37 | 0 22 | 15 24 | 1 2 | 0 31 | 1 31 | 21 11 | 0 32 | 22 58 | 0 35 | 7 55 | 0 46 | 2 16 | 1 32 | 27 4 | 7 58 | 23 12 | 23 7 | 3 31 | 18 15 | 5 12 |
| W24 | 21 36 | 1 8 | 5 12 | 23 16 | 0 4 | 15 8 | 1 15 | 0 45 | 1 31 | 21 12 | 0 32 | 22 59 | 0 35 | 7 55 | 0 46 | 2 15 | 1 32 | 27 5 | 7 59 | 23 13 | 23 7 | 3 34 | 18 14 | 5 13 |
| T 25 | 21 46 | 3n31 | 5 6 | 22 54 | 0n15 | 14 52 | 1 27 | 0 59 | 1 31 | 21 12 | 0 32 | 22 59 | 0 35 | 7 54 | 0 46 | 2 15 | 1 32 | 27 5 | 7 59 | 23 13 | 23 7 | 3 36 | 18 14 | 5 13 |
| F 26 | 21 56 | 8 4 | 4 46 | 22 29 | 0 35 | 14 38 | 1 39 | 1 13 | 1 31 | 21 13 | 0 32 | 22 59 | 0 35 | 7 54 | 0 46 | 2 15 | 1 32 | 27 5 | 7 59 | 23 14 | 23 8 | 3 39 | 18 14 | 5 13 |
| S 27 | 22 5 | 12 20 | 4 15 | 22 3 | 0 55 | 14 24 | 1 51 | 1 27 | 1 31 | 21 14 | 0 32 | 22 59 | 0 35 | 7 54 | 0 46 | 2 14 | 1 32 | 27 6 | 8 0 | 23 14 | 23 8 | 3 42 | 18 13 | 5 13 |
| S 28 | 22 14 | 16 11 | 3 31 | 21 36 | 1 16 | 14 12 | 2 2 | 1 41 | 1 31 | 21 15 | 0 33 | 22 59 | 0 35 | 7 53 | 0 46 | 2 14 | 1 32 | 27 6 | 8 0 | 23 14 | 23 8 | 3 44 | 18 13 | 5 14 |
| M29 | 22 22 | 19 23 | 2 37 | 21 8 | 1 35 | 14 2 | 2 13 | 1 54 | 1 31 | 21 16 | 0 33 | 22 59 | 0 34 | 7 53 | 0 46 | 2 14 | 1 32 | 27 7 | 8 0 | 23 15 | 23 8 | 3 47 | 18 12 | 5 14 |
| T 30 | 22s30 | 21n44 | 1s35 | 20s41 | 1n53 | 13s52 | 2n23 | 2s 8 | 1n32 | 21n17 | 0n33 | 23s 0 | 0n34 | 7n53 | 0n46 | 2n13 | 1n32 | 27n 7 | 8n 0 | 23n15 | 23n 9 | 3n49 | 18n12 | 5s14 |

Julian Day Number = 2071271.5, Delta T = 28m01s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'48, Lahiri = 9°20'49 Julian Calendar 1 Nov. 958 == Greg. Calendar 6 Nov. 958


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# ASTRODIENST EPHEMERIS for the year 958
# geocentric

## DECEMBER 958 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 58 2 | 14♐ 8'20 | 4♋20 | 12°R10 | 14♏ 5 | 9♎28 | 27°R37 | 28♐49 | 11♍50 | 27♍58 | 4°R 1 | 9°D16 | 10♋35 | 21♈50 | 23°R45 | W 1 |
| T 2 | 5 1 58 | 15° 9'29 | 17° 8 | 10♐49 | 14°10 | 10° 2 | 27♋33 | 28°55 | 11°50 | 27°59 | 4♌ 0 | 9♋16 | 10°32 | 21°56 | 23♊41 | T 2 |
| F 3 | 5 5 55 | 16°10'39 | 0♌ 9 | 9°33 | 14°17 | 10°37 | 27°29 | 29° 2 | 11°51 | 28° 0 | 3°59 | 9°17 | 10°29 | 22° 3 | 23°37 | F 3 |
| S 4 | 5 9 51 | 17°11'50 | 13°23 | 8°24 | 14°27 | 11°12 | 27°24 | 29° 9 | 11°52 | 28° 1 | 3°58 | 9°19 | 10°26 | 22°10 | 23°33 | S 4 |
| S 5 | 5 13 48 | 18°13'01 | 26°51 | 7°23 | 14°39 | 11°47 | 27°20 | 29°16 | 11°52 | 28° 1 | 3°57 | 9°20 | 10°22 | 22°16 | 23°30 | S 5 |
| M 6 | 5 17 44 | 19°14'12 | 10♍34 | 6°32 | 14°53 | 12°22 | 27°15 | 29°23 | 11°52 | 28° 2 | 3°56 | 9°21 | 10°19 | 22°23 | 23°26 | M 6 |
| T 7 | 5 21 41 | 20°15'24 | 24°32 | 5°52 | 15° 9 | 12°56 | 27°10 | 29°30 | 11°53 | 28° 3 | 3°55 | 9°R22 | 10°16 | 22°30 | 23°22 | T 7 |
| W 8 | 5 25 37 | 21°16'36 | 8♎44 | 5°22 | 15°28 | 13°31 | 27° 4 | 29°37 | 11°53 | 28° 3 | 3°54 | 9°21 | 10°13 | 22°37 | 23°18 | W 8 |
| T 9 | 5 29 34 | 22°17'49 | 23° 9 | 5° 2 | 15°48 | 14° 5 | 26°59 | 29°45 | 11°53 | 28° 4 | 3°53 | 9°19 | 10°10 | 22°43 | 23°14 | T 9 |
| F 10 | 5 33 31 | 23°19'03 | 7♏42 | 4°D53 | 16°11 | 14°40 | 26°54 | 29°52 | 11°53 | 28° 4 | 3°52 | 9°17 | 10° 7 | 22°50 | 23°10 | F 10 |
| S 11 | 5 37 27 | 24°20'16 | 22°19 | 4°53 | 16°35 | 15°14 | 26°48 | 29°59 | 11°53 | 28° 5 | 3°51 | 9°15 | 10° 3 | 22°57 | 23° 6 | S 11 |
| S 12 | 5 41 24 | 25°21'30 | 6♐53 | 5° 2 | 17° 1 | 15°48 | 26°42 | 0♑ 6 | 11°R53 | 28° 5 | 3°50 | 9°13 | 10° 0 | 23° 4 | 23° 2 | S 12 |
| M13 | 5 45 20 | 26°22'44 | 21°19 | 5°19 | 17°28 | 16°23 | 26°36 | 0°13 | 11°53 | 28° 6 | 3°49 | 9°12 | 9°57 | 23°10 | 22°58 | M13 |
| T 14 | 5 49 17 | 27°23'58 | 5♑29 | 5°44 | 17°57 | 16°57 | 26°30 | 0°20 | 11°53 | 28° 6 | 3°48 | 9°D12 | 9°54 | 23°17 | 22°54 | T 14 |
| W15 | 5 53 13 | 28°25'12 | 19°20 | 6°15 | 18°28 | 17°31 | 26°24 | 0°27 | 11°53 | 28° 7 | 3°47 | 9°12 | 9°51 | 23°24 | 22°50 | W15 |
| T 16 | 5 57 10 | 29°26'26 | 2♒50 | 6°52 | 19° 1 | 18° 5 | 26°17 | 0°34 | 11°53 | 28° 7 | 3°46 | 9°12 | 9°48 | 23°30 | 22°46 | T 16 |
| F 17 | 6 1 7 | 0♑27'39 | 15°56 | 7°35 | 19°35 | 18°39 | 26°11 | 0°41 | 11°53 | 28° 7 | 3°45 | 9°13 | 9°44 | 23°37 | 22°42 | F 17 |
| S 18 | 6 5 3 | 1°28'52 | 28°41 | 8°23 | 20°10 | 19°13 | 26° 4 | 0°48 | 11°53 | 28° 7 | 3°44 | 9°14 | 9°41 | 23°44 | 22°38 | S 18 |
| S 19 | 6 9 0 | 2°30'04 | 11♓ 7 | 9°15 | 20°47 | 19°47 | 25°57 | 0°55 | 11°52 | 28° 8 | 3°43 | 9°15 | 9°38 | 23°51 | 22°35 | S 19 |
| M20 | 6 12 56 | 3°31'16 | 23°17 | 10°11 | 21°24 | 20°20 | 25°51 | 1° 2 | 11°52 | 28° 8 | 3°41 | 9°15 | 9°35 | 23°57 | 22°31 | M20 |
| T 21 | 6 16 53 | 4°32'27 | 5♈17 | 11°10 | 22° 4 | 20°54 | 25°44 | 1°10 | 11°51 | 28° 8 | 3°40 | 9°R15 | 9°32 | 24° 4 | 22°27 | T 21 |
| W22 | 6 20 49 | 5°33'38 | 17°11 | 12°12 | 22°44 | 21°27 | 25°37 | 1°17 | 11°51 | 28° 8 | 3°39 | 9°15 | 9°28 | 24°11 | 22°23 | W22 |
| T 23 | 6 24 46 | 6°34'48 | 29° 3 | 13°17 | 23°26 | 22° 1 | 25°29 | 1°24 | 11°50 | 28° 8 | 3°38 | 9°15 | 9°25 | 24°17 | 22°19 | T 23 |
| F 24 | 6 28 42 | 7°35'57 | 10♉58 | 14°25 | 24° 8 | 22°34 | 25°22 | 1°31 | 11°50 | 28° 8 | 3°36 | 9°15 | 9°22 | 24°24 | 22°15 | F 24 |
| S 25 | 6 32 39 | 8°37'06 | 23° 0 | 15°35 | 24°52 | 23° 8 | 25°15 | 1°38 | 11°49 | 28°R 8 | 3°35 | 9°15 | 9°19 | 24°31 | 22°12 | S 25 |
| S 26 | 6 36 36 | 9°38'14 | 5♊12 | 16°47 | 25°37 | 23°41 | 25° 7 | 1°45 | 11°48 | 28° 8 | 3°34 | 9°D15 | 9°16 | 24°38 | 22° 8 | S 26 |
| M27 | 6 40 32 | 10°39'21 | 17°38 | 18° 0 | 26°23 | 24°14 | 25° 0 | 1°52 | 11°47 | 28° 8 | 3°33 | 9°15 | 9°13 | 24°44 | 22° 4 | M27 |
| T 28 | 6 44 29 | 11°40'27 | 0♋19 | 19°16 | 27° 9 | 24°47 | 24°52 | 1°59 | 11°47 | 28° 8 | 3°31 | 9°15 | 9° 9 | 24°51 | 22° 1 | T 28 |
| W29 | 6 48 25 | 12°41'33 | 13°15 | 20°32 | 27°57 | 25°20 | 24°44 | 2° 6 | 11°46 | 28° 8 | 3°30 | 9°R15 | 9° 6 | 24°58 | 21°57 | W29 |
| T 30 | 6 52 22 | 13°42'39 | 26°27 | 21°51 | 28°45 | 25°53 | 24°37 | 2°13 | 11°45 | 28° 8 | 3°29 | 9°15 | 9° 3 | 25° 4 | 21°53 | T 30 |
| F 31 | 6 56 18 | 14♑43'43 | 9♌54 | 23♐10 | 29♏35 | 26♎26 | 24♋29 | 2♑20 | 11♍44 | 28♍ 8 | 3♌27 | 9♋14 | 9♋ 0 | 25♈11 | 21♊50 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s38 | 23n 3 | 0s27 | 20s14 | 2n10 | 13s44 | 2n32 | 2s22 | 1n32 | 21n18 | 0n33 | 23s 0 | 0n34 | 7n53 | 0n46 | 2n13 | 1n32 | 27n 8 | 8n 1 | 23n15 | 23n 9 | 3n52 | 18n12 | 5s14 |
| T 2 | 22 45 | 23 11 | 0n43 | 19 48 | 2 25 | 13 36 | 2 42 | 2 36 | 1 32 | 21 19 | 0 33 | 23 0 | 0 34 | 7 52 | 0 46 | 2 13 | 1 32 | 27 8 | 8 1 | 23 15 | 23 9 | 3 55 | 18 11 | 5 14 |
| F 3 | 22 51 | 22 4 | 1 52 | 19 25 | 2 37 | 13 30 | 2 50 | 2 49 | 1 32 | 21 20 | 0 34 | 23 0 | 0 34 | 7 52 | 0 46 | 2 12 | 1 32 | 27 9 | 8 1 | 23 15 | 23 9 | 3 57 | 18 11 | 5 15 |
| S 4 | 22 57 | 19 43 | 2 57 | 19 4 | 2 47 | 13 25 | 2 58 | 3 3 | 1 32 | 21 21 | 0 34 | 23 0 | 0 34 | 7 52 | 0 46 | 2 12 | 1 32 | 27 9 | 8 1 | 23 15 | 23 10 | 4 0 | 18 11 | 5 15 |
| S 5 | 23 3 | 16 16 | 3 53 | 18 47 | 2 55 | 13 21 | 3 6 | 3 16 | 1 32 | 21 22 | 0 34 | 23 0 | 0 34 | 7 52 | 0 47 | 2 12 | 1 32 | 27 9 | 8 2 | 23 15 | 23 10 | 4 3 | 18 10 | 5 15 |
| M 6 | 23 8 | 11 54 | 4 37 | 18 33 | 3 1 | 13 19 | 3 13 | 3 30 | 1 32 | 21 23 | 0 34 | 23 0 | 0 34 | 7 52 | 0 47 | 2 12 | 1 32 | 27 10 | 8 2 | 23 14 | 23 10 | 4 5 | 18 10 | 5 15 |
| T 7 | 23 13 | 6 51 | 5 5 | 18 23 | 3 4 | 13 17 | 3 20 | 3 43 | 1 32 | 21 24 | 0 35 | 23 1 | 0 34 | 7 52 | 0 47 | 2 12 | 1 32 | 27 10 | 8 2 | 23 14 | 23 10 | 4 8 | 18 10 | 5 15 |
| W 8 | 23 17 | 1 21 | 5 15 | 18 17 | 3 5 | 13 16 | 3 27 | 3 57 | 1 32 | 21 26 | 0 35 | 23 1 | 0 34 | 7 52 | 0 47 | 2 11 | 1 32 | 27 11 | 8 2 | 23 15 | 23 11 | 4 11 | 18 9 | 5 15 |
| T 9 | 23 21 | 4s18 | 5 6 | 18 14 | 3 4 | 13 16 | 3 33 | 4 10 | 1 32 | 21 27 | 0 35 | 23 1 | 0 34 | 7 52 | 0 47 | 2 11 | 1 32 | 27 11 | 8 2 | 23 15 | 23 11 | 4 13 | 18 9 | 5 15 |
| F 10 | 23 24 | 9 47 | 4 38 | 18 14 | 3 2 | 13 17 | 3 38 | 4 23 | 1 33 | 21 28 | 0 35 | 23 1 | 0 34 | 7 52 | 0 47 | 2 11 | 1 32 | 27 12 | 8 3 | 23 15 | 23 11 | 4 16 | 18 9 | 5 16 |
| S 11 | 23 27 | 14 44 | 3 51 | 18 18 | 2 59 | 13 19 | 3 43 | 4 37 | 1 33 | 21 29 | 0 35 | 23 1 | 0 34 | 7 52 | 0 47 | 2 11 | 1 33 | 27 12 | 8 3 | 23 15 | 23 11 | 4 19 | 18 8 | 5 16 |
| S 12 | 23 29 | 18 48 | 2 49 | 18 24 | 2 54 | 13 22 | 3 48 | 4 50 | 1 33 | 21 31 | 0 35 | 23 1 | 0 33 | 7 52 | 0 47 | 2 11 | 1 33 | 27 13 | 8 3 | 23 15 | 23 12 | 4 21 | 18 8 | 5 16 |
| M13 | 23 31 | 21 40 | 1 37 | 18 33 | 2 49 | 13 26 | 3 52 | 5 3 | 1 33 | 21 32 | 0 36 | 23 1 | 0 33 | 7 52 | 0 47 | 2 11 | 1 33 | 27 13 | 8 3 | 23 15 | 23 12 | 4 24 | 18 8 | 5 16 |
| T 14 | 23 33 | 23 7 | 0 21 | 18 43 | 2 42 | 13 30 | 3 56 | 5 16 | 1 33 | 21 34 | 0 36 | 23 1 | 0 33 | 7 52 | 0 47 | 2 10 | 1 33 | 27 14 | 8 4 | 23 15 | 23 12 | 4 27 | 18 7 | 5 16 |
| W15 | 23 34 | 23 6 | 0s56 | 18 55 | 2 35 | 13 35 | 4 0 | 5 29 | 1 33 | 21 35 | 0 36 | 23 1 | 0 33 | 7 52 | 0 47 | 2 10 | 1 33 | 27 14 | 8 4 | 23 15 | 23 12 | 4 29 | 18 7 | 5 16 |
| T 16 | 23 34 | 21 42 | 2 7 | 19 9 | 2 28 | 13 40 | 4 3 | 5 42 | 1 33 | 21 36 | 0 36 | 23 1 | 0 33 | 7 52 | 0 47 | 2 10 | 1 33 | 27 15 | 8 4 | 23 15 | 23 13 | 4 32 | 18 7 | 5 16 |
| F 17 | 23 34 | 19 10 | 3 10 | 19 24 | 2 20 | 13 47 | 4 6 | 5 55 | 1 33 | 21 38 | 0 36 | 23 1 | 0 33 | 7 52 | 0 47 | 2 10 | 1 33 | 27 15 | 8 4 | 23 15 | 23 13 | 4 35 | 18 7 | 5 16 |
| S 18 | 23 34 | 15 46 | 4 1 | 19 40 | 2 12 | 13 54 | 4 9 | 6 8 | 1 33 | 21 39 | 0 37 | 23 1 | 0 33 | 7 52 | 0 47 | 2 10 | 1 33 | 27 16 | 8 4 | 23 15 | 23 13 | 4 37 | 18 6 | 5 16 |
| S 19 | 23 33 | 11 45 | 4 40 | 19 56 | 2 3 | 14 1 | 4 11 | 6 20 | 1 33 | 21 41 | 0 37 | 23 1 | 0 33 | 7 52 | 0 47 | 2 10 | 1 33 | 27 16 | 8 5 | 23 15 | 23 13 | 4 40 | 18 6 | 5 16 |
| M20 | 23 32 | 7 20 | 5 5 | 20 13 | 1 54 | 14 9 | 4 13 | 6 33 | 1 33 | 21 42 | 0 37 | 23 1 | 0 33 | 7 53 | 0 47 | 2 10 | 1 33 | 27 17 | 8 5 | 23 15 | 23 14 | 4 43 | 18 6 | 5 16 |
| T 21 | 23 30 | 2 44 | 5 16 | 20 30 | 1 46 | 14 17 | 4 15 | 6 46 | 1 33 | 21 44 | 0 37 | 23 1 | 0 33 | 7 53 | 0 47 | 2 10 | 1 33 | 27 17 | 8 5 | 23 15 | 23 14 | 4 45 | 18 6 | 5 16 |
| W22 | 23 27 | 1n57 | 5 14 | 20 47 | 1 37 | 14 26 | 4 16 | 6 58 | 1 33 | 21 45 | 0 37 | 23 1 | 0 33 | 7 53 | 0 47 | 2 10 | 1 33 | 27 18 | 8 5 | 23 15 | 23 14 | 4 48 | 18 6 | 5 16 |
| T 23 | 23 25 | 6 33 | 4 58 | 21 4 | 1 28 | 14 35 | 4 17 | 7 11 | 1 33 | 21 47 | 0 38 | 23 1 | 0 33 | 7 53 | 0 47 | 2 10 | 1 33 | 27 18 | 8 5 | 23 15 | 23 14 | 4 51 | 18 5 | 5 16 |
| F 24 | 23 21 | 10 55 | 4 30 | 21 21 | 1 19 | 14 45 | 4 18 | 7 23 | 1 33 | 21 48 | 0 38 | 23 1 | 0 33 | 7 54 | 0 47 | 2 10 | 1 33 | 27 19 | 8 6 | 23 15 | 23 14 | 4 53 | 18 5 | 5 16 |
| S 25 | 23 17 | 14 55 | 3 49 | 21 38 | 1 10 | 14 54 | 4 19 | 7 36 | 1 33 | 21 50 | 0 38 | 23 1 | 0 33 | 7 54 | 0 47 | 2 10 | 1 33 | 27 19 | 8 6 | 23 15 | 23 15 | 4 56 | 18 5 | 5 16 |
| S 26 | 23 13 | 18 22 | 2 58 | 21 54 | 1 1 | 15 5 | 4 19 | 7 48 | 1 33 | 21 51 | 0 38 | 23 1 | 0 32 | 7 54 | 0 47 | 2 10 | 1 33 | 27 20 | 8 6 | 23 15 | 23 15 | 4 59 | 18 5 | 5 16 |
| M27 | 23 9 | 21 3 | 1 57 | 22 10 | 0 52 | 15 15 | 4 19 | 8 0 | 1 33 | 21 53 | 0 38 | 23 1 | 0 32 | 7 55 | 0 47 | 2 10 | 1 33 | 27 20 | 8 6 | 23 15 | 23 15 | 5 1 | 18 5 | 5 16 |
| T 28 | 23 3 | 22 45 | 0 49 | 22 25 | 0 43 | 15 26 | 4 19 | 8 12 | 1 33 | 21 54 | 0 38 | 23 1 | 0 32 | 7 55 | 0 47 | 2 10 | 1 34 | 27 20 | 8 6 | 23 15 | 23 15 | 5 4 | 18 4 | 5 16 |
| W29 | 22 58 | 23 17 | 0n22 | 22 39 | 0 35 | 15 36 | 4 19 | 8 24 | 1 33 | 21 56 | 0 39 | 23 1 | 0 32 | 7 55 | 0 48 | 2 11 | 1 34 | 27 21 | 8 6 | 23 15 | 23 16 | 5 7 | 18 4 | 5 16 |
| T 30 | 22 52 | 22 31 | 1 34 | 22 53 | 0 26 | 15 48 | 4 18 | 8 36 | 1 33 | 21 57 | 0 39 | 23 1 | 0 32 | 7 56 | 0 48 | 2 11 | 1 34 | 27 21 | 8 7 | 23 15 | 23 16 | 5 9 | 18 4 | 5 16 |
| F 31 | 22s45 | 20n28 | 2n42 | 23s 6 | 0n18 | 15s59 | 4n18 | 8s48 | 1n33 | 21n59 | 0n39 | 23s 1 | 0n32 | 7n56 | 0n48 | 2n11 | 1n34 | 27n22 | 8n 7 | 23n15 | 23n16 | 5n12 | 18n 4 | 5s16 |

Julian Day Number = 2071301.5, Delta T = 28m00s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'52, Lahiri = 9°20'53 Julian Calendar 1 Dec. 958 == Greg. Calendar 6 Dec. 958


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## JANUARY 959 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 0 15 | 15♉44'47 | 23♌33 | 24♐31 | 0♐25 | 26♎58 | 24°R21 | 2♉27 | 11°R43 | 28°R 8 | 3°R26 | 9°R13 | 8♋57 | 25♈18 | 21°R46 | S 1 |
| S 2 | 7 4 11 | 16°45'50 | 7♍24 | 25°53 | 1°16 | 27°31 | 24♋13 | 2°34 | 11♍42 | 28♍ 7 | 3♌25 | 9♋13 | 8°54 | 25°25 | 21♊43 | S 2 |
| M 3 | 7 8 8 | 17°46'53 | 21°23 | 27°15 | 2° 8 | 28° 4 | 24° 5 | 2°41 | 11°40 | 28° 7 | 3°23 | 9°12 | 8°50 | 25°31 | 21°40 | M 3 |
| T 4 | 7 12 5 | 18°47'55 | 5♎29 | 28°39 | 3° 0 | 28°36 | 23°57 | 2°48 | 11°39 | 28° 7 | 3°22 | 9°11 | 8°47 | 25°38 | 21°36 | T 4 |
| W 5 | 7 16 1 | 19°48'57 | 19°38 | 0♉ 4 | 3°53 | 29° 8 | 23°49 | 2°55 | 11°38 | 28° 6 | 3°20 | 9°D11 | 8°44 | 25°45 | 21°33 | W 5 |
| T 6 | 7 19 58 | 20°49'58 | 3♏50 | 1°30 | 4°47 | 29°40 | 23°41 | 3° 2 | 11°37 | 28° 6 | 3°19 | 9°11 | 8°41 | 25°52 | 21°30 | T 6 |
| F 7 | 7 23 54 | 21°50'58 | 18° 2 | 2°56 | 5°41 | 0♏13 | 23°33 | 3° 8 | 11°35 | 28° 6 | 3°18 | 9°12 | 8°38 | 25°58 | 21°26 | F 7 |
| S 8 | 7 27 51 | 22°51'58 | 2♐11 | 4°24 | 6°37 | 0°45 | 23°25 | 3°15 | 11°34 | 28° 5 | 3°16 | 9°13 | 8°34 | 26° 5 | 21°23 | S 8 |
| S 9 | 7 31 47 | 23°52'57 | 16°15 | 5°52 | 7°32 | 1°16 | 23°17 | 3°22 | 11°33 | 28° 5 | 3°15 | 9°14 | 8°31 | 26°12 | 21°20 | S 9 |
| M10 | 7 35 44 | 24°53'55 | 0♑11 | 7°21 | 8°28 | 1°48 | 23° 9 | 3°29 | 11°31 | 28° 4 | 3°13 | 9°15 | 8°28 | 26°18 | 21°17 | M10 |
| T 11 | 7 39 40 | 25°54'52 | 13°56 | 8°51 | 9°25 | 2°20 | 23° 1 | 3°36 | 11°30 | 28° 4 | 3°12 | 9°R15 | 8°25 | 26°25 | 21°14 | T 11 |
| W12 | 7 43 37 | 26°55'48 | 27°28 | 10°21 | 10°22 | 2°51 | 22°53 | 3°42 | 11°28 | 28° 3 | 3°11 | 9°14 | 8°22 | 26°32 | 21°11 | W12 |
| T 13 | 7 47 34 | 27°56'43 | 10♒44 | 11°52 | 11°20 | 3°23 | 22°45 | 3°49 | 11°26 | 28° 2 | 3° 9 | 9°12 | 8°19 | 26°39 | 21° 8 | T 13 |
| F 14 | 7 51 30 | 28°57'37 | 23°43 | 13°24 | 12°18 | 3°54 | 22°37 | 3°56 | 11°25 | 28° 2 | 3° 8 | 9°10 | 8°15 | 26°45 | 21° 5 | F 14 |
| S 15 | 7 55 27 | 29°58'29 | 6♓25 | 14°57 | 13°17 | 4°25 | 22°29 | 4° 2 | 11°23 | 28° 1 | 3° 6 | 9° 6 | 8°12 | 26°52 | 21° 3 | S 15 |
| S 16 | 7 59 23 | 0♒59'20 | 18°51 | 16°31 | 14°16 | 4°56 | 22°22 | 4° 9 | 11°21 | 28° 0 | 3° 5 | 9° 3 | 8° 9 | 26°59 | 21° 0 | S 16 |
| M17 | 8 3 20 | 2° 0'09 | 1♈ 3 | 18° 5 | 15°16 | 5°27 | 22°14 | 4°16 | 11°19 | 28° 0 | 3° 3 | 8°59 | 8° 6 | 27° 5 | 20°57 | M17 |
| T 18 | 8 7 16 | 3° 0'57 | 13° 4 | 19°40 | 16°16 | 5°58 | 22° 6 | 4°22 | 11°18 | 27°59 | 3° 2 | 8°57 | 8° 3 | 27°12 | 20°55 | T 18 |
| W19 | 8 11 13 | 4° 1'43 | 24°58 | 21°16 | 17°16 | 6°28 | 21°58 | 4°29 | 11°16 | 27°58 | 3° 1 | 8°55 | 8° 0 | 27°19 | 20°52 | W19 |
| T 20 | 8 15 9 | 5° 2'27 | 6♉50 | 22°52 | 18°17 | 6°58 | 21°51 | 4°35 | 11°14 | 27°57 | 2°59 | 8°D55 | 7°56 | 27°26 | 20°50 | T 20 |
| F 21 | 8 19 6 | 6° 3'10 | 18°44 | 24°30 | 19°18 | 7°29 | 21°43 | 4°42 | 11°12 | 27°57 | 2°58 | 8°56 | 7°53 | 27°32 | 20°47 | F 21 |
| S 22 | 8 23 3 | 7° 3'52 | 0♊46 | 26° 8 | 20°19 | 7°59 | 21°36 | 4°48 | 11°10 | 27°56 | 2°56 | 8°57 | 7°50 | 27°39 | 20°45 | S 22 |
| S 23 | 8 26 59 | 8° 4'31 | 12°59 | 27°47 | 21°21 | 8°29 | 21°28 | 4°54 | 11° 8 | 27°55 | 2°55 | 8°59 | 7°47 | 27°46 | 20°43 | S 23 |
| M24 | 8 30 56 | 9° 5'09 | 25°29 | 29°27 | 22°23 | 8°59 | 21°21 | 5° 1 | 11° 6 | 27°54 | 2°53 | 9° 1 | 7°44 | 27°52 | 20°41 | M24 |
| T 25 | 8 34 52 | 10° 5'45 | 8♋19 | 1♒ 8 | 23°26 | 9°28 | 21°14 | 5° 7 | 11° 4 | 27°53 | 2°52 | 9°R 1 | 7°40 | 27°59 | 20°39 | T 25 |
| W26 | 8 38 49 | 11° 6'20 | 21°29 | 2°49 | 24°29 | 9°58 | 21° 6 | 5°13 | 11° 2 | 27°52 | 2°51 | 9° 1 | 7°37 | 28° 6 | 20°37 | W26 |
| T 27 | 8 42 45 | 12° 6'53 | 5♌ 2 | 4°32 | 25°32 | 10°27 | 20°59 | 5°19 | 10°59 | 27°51 | 2°49 | 8°58 | 7°34 | 28°13 | 20°35 | T 27 |
| F 28 | 8 46 42 | 13° 7'24 | 18°54 | 6°15 | 26°35 | 10°56 | 20°52 | 5°25 | 10°57 | 27°50 | 2°48 | 8°54 | 7°31 | 28°19 | 20°33 | F 28 |
| S 29 | 8 50 38 | 14° 7'54 | 3♍ 3 | 8° 0 | 27°39 | 11°25 | 20°45 | 5°31 | 10°55 | 27°49 | 2°46 | 8°49 | 7°28 | 28°26 | 20°31 | S 29 |
| S 30 | 8 54 35 | 15° 8'22 | 17°24 | 9°45 | 28°43 | 11°54 | 20°39 | 5°37 | 10°53 | 27°48 | 2°45 | 8°43 | 7°25 | 28°33 | 20°29 | S 30 |
| M31 | 8 58 32 | 16♒ 8'48 | 1♎50 | 11♒31 | 29♐47 | 12♏23 | 20♋32 | 5♉43 | 10♍51 | 27♍47 | 2♌44 | 8♋38 | 7♋21 | 28♈39 | 20♊28 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s38 | 17n14 | 3n42 | 23s18 | 0n10 | 16s10 | 4n17 | 9s 0 | 1n33 | 22n 0 | 0n39 | 23s 1 | 0n32 | 7n57 | 0n48 | 2n11 | 1n34 | 27n22 | 8n 7 | 23n15 | 23n16 | 5n15 | 18n 4 | 5s16 |
| S 2 | 22 31 | 13 0 | 4 29 | 23 29 | 0 2 | 16 21 | 4 16 | 9 12 | 1 33 | 22 2 | 0 39 | 23 1 | 0 32 | 7 57 | 0 48 | 2 11 | 1 34 | 27 23 | 8 7 | 23 15 | 23 16 | 5 17 | 18 4 | 5 16 |
| M 3 | 22 23 | 8 3 | 5 2 | 23 39 | 0s 6 | 16 33 | 4 14 | 9 24 | 1 33 | 22 4 | 0 39 | 23 1 | 0 32 | 7 58 | 0 48 | 2 11 | 1 34 | 27 23 | 8 7 | 23 15 | 23 17 | 5 20 | 18 4 | 5 16 |
| T 4 | 22 15 | 2 39 | 5 16 | 23 48 | 0 14 | 16 44 | 4 13 | 9 35 | 1 33 | 22 5 | 0 39 | 23 1 | 0 32 | 7 58 | 0 48 | 2 11 | 1 34 | 27 24 | 8 7 | 23 15 | 23 17 | 5 23 | 18 4 | 5 15 |
| W 5 | 22 6 | 2s55 | 5 11 | 23 56 | 0 21 | 16 56 | 4 11 | 9 47 | 1 33 | 22 7 | 0 40 | 23 1 | 0 32 | 7 59 | 0 48 | 2 12 | 1 34 | 27 24 | 8 7 | 23 15 | 23 17 | 5 25 | 18 3 | 5 15 |
| T 6 | 21 57 | 8 21 | 4 48 | 24 3 | 0 29 | 17 7 | 4 10 | 9 58 | 1 33 | 22 8 | 0 40 | 23 1 | 0 32 | 7 59 | 0 48 | 2 12 | 1 34 | 27 25 | 8 8 | 23 15 | 23 17 | 5 28 | 18 3 | 5 15 |
| F 7 | 21 47 | 13 21 | 4 7 | 24 8 | 0 36 | 17 19 | 4 8 | 10 9 | 1 33 | 22 10 | 0 40 | 23 0 | 0 32 | 8 0 | 0 48 | 2 12 | 1 34 | 27 25 | 8 8 | 23 15 | 23 17 | 5 31 | 18 3 | 5 15 |
| S 8 | 21 37 | 17 36 | 3 11 | 24 13 | 0 43 | 17 30 | 4 6 | 10 21 | 1 33 | 22 11 | 0 40 | 23 0 | 0 32 | 8 0 | 0 48 | 2 12 | 1 34 | 27 26 | 8 8 | 23 15 | 23 18 | 5 33 | 18 3 | 5 15 |
| S 9 | 21 27 | 20 48 | 2 4 | 24 16 | 0 50 | 17 41 | 4 3 | 10 32 | 1 33 | 22 13 | 0 40 | 23 0 | 0 32 | 8 1 | 0 48 | 2 12 | 1 34 | 27 26 | 8 8 | 23 15 | 23 18 | 5 36 | 18 3 | 5 15 |
| M10 | 21 16 | 22 44 | 0 50 | 24 18 | 0 56 | 17 52 | 4 1 | 10 43 | 1 33 | 22 14 | 0 40 | 23 0 | 0 32 | 8 1 | 0 48 | 2 13 | 1 34 | 27 27 | 8 8 | 23 15 | 23 18 | 5 39 | 18 3 | 5 15 |
| T 11 | 21 5 | 23 16 | 0s26 | 24 19 | 1 2 | 18 3 | 3 58 | 10 54 | 1 33 | 22 16 | 0 40 | 23 0 | 0 32 | 8 2 | 0 48 | 2 13 | 1 34 | 27 27 | 8 8 | 23 15 | 23 18 | 5 41 | 18 3 | 5 15 |
| W12 | 20 53 | 22 24 | 1 39 | 24 18 | 1 8 | 18 14 | 3 56 | 11 5 | 1 33 | 22 17 | 0 40 | 23 0 | 0 31 | 8 3 | 0 48 | 2 13 | 1 34 | 27 28 | 8 8 | 23 15 | 23 18 | 5 44 | 18 3 | 5 14 |
| T 13 | 20 41 | 20 17 | 2 45 | 24 16 | 1 14 | 18 25 | 3 53 | 11 16 | 1 33 | 22 19 | 0 41 | 23 0 | 0 31 | 8 3 | 0 48 | 2 14 | 1 34 | 27 28 | 8 8 | 23 15 | 23 19 | 5 47 | 18 3 | 5 14 |
| F 14 | 20 29 | 17 10 | 3 41 | 24 13 | 1 19 | 18 36 | 3 50 | 11 26 | 1 32 | 22 20 | 0 41 | 23 0 | 0 31 | 8 4 | 0 48 | 2 14 | 1 35 | 27 28 | 8 8 | 23 15 | 23 19 | 5 49 | 18 3 | 5 14 |
| S 15 | 20 16 | 13 18 | 4 25 | 24 8 | 1 25 | 18 46 | 3 47 | 11 37 | 1 32 | 22 21 | 0 41 | 22 59 | 0 31 | 8 5 | 0 48 | 2 14 | 1 35 | 27 29 | 8 9 | 23 16 | 23 19 | 5 52 | 18 3 | 5 14 |
| S 16 | 20 3 | 8 57 | 4 55 | 24 2 | 1 30 | 18 56 | 3 44 | 11 47 | 1 32 | 22 23 | 0 41 | 22 59 | 0 31 | 8 5 | 0 48 | 2 15 | 1 35 | 27 29 | 8 9 | 23 16 | 23 19 | 5 55 | 18 3 | 5 14 |
| M17 | 19 50 | 4 20 | 5 11 | 23 54 | 1 34 | 19 6 | 3 41 | 11 58 | 1 32 | 22 24 | 0 41 | 22 59 | 0 31 | 8 6 | 0 48 | 2 15 | 1 35 | 27 30 | 8 9 | 23 16 | 23 19 | 5 57 | 18 3 | 5 13 |
| T 18 | 19 36 | 0n23 | 5 13 | 23 45 | 1 39 | 19 15 | 3 38 | 12 8 | 1 32 | 22 26 | 0 41 | 22 59 | 0 31 | 8 7 | 0 48 | 2 15 | 1 35 | 27 30 | 8 9 | 23 16 | 23 20 | 6 0 | 18 3 | 5 13 |
| W19 | 19 21 | 5 2 | 5 2 | 23 34 | 1 43 | 19 24 | 3 34 | 12 18 | 1 32 | 22 27 | 0 41 | 22 59 | 0 31 | 8 7 | 0 48 | 2 16 | 1 35 | 27 31 | 8 9 | 23 16 | 23 20 | 6 2 | 18 3 | 5 13 |
| T 20 | 19 7 | 9 30 | 4 38 | 23 22 | 1 46 | 19 33 | 3 31 | 12 29 | 1 32 | 22 28 | 0 41 | 22 59 | 0 31 | 8 8 | 0 48 | 2 16 | 1 35 | 27 31 | 8 9 | 23 16 | 23 20 | 6 5 | 18 3 | 5 13 |
| F 21 | 18 52 | 13 37 | 4 2 | 23 9 | 1 50 | 19 42 | 3 27 | 12 39 | 1 31 | 22 30 | 0 41 | 22 58 | 0 31 | 8 9 | 0 48 | 2 16 | 1 35 | 27 31 | 8 9 | 23 16 | 23 20 | 6 8 | 18 3 | 5 13 |
| S 22 | 18 37 | 17 15 | 3 15 | 22 53 | 1 53 | 19 50 | 3 23 | 12 49 | 1 31 | 22 31 | 0 42 | 22 58 | 0 31 | 8 10 | 0 48 | 2 17 | 1 35 | 27 32 | 8 9 | 23 16 | 23 20 | 6 10 | 18 3 | 5 12 |
| S 23 | 18 21 | 20 12 | 2 18 | 22 37 | 1 56 | 19 58 | 3 20 | 12 58 | 1 31 | 22 32 | 0 42 | 22 58 | 0 31 | 8 11 | 0 48 | 2 17 | 1 35 | 27 32 | 8 9 | 23 16 | 23 21 | 6 13 | 18 3 | 5 12 |
| M24 | 18 5 | 22 16 | 1 13 | 22 18 | 1 58 | 20 6 | 3 16 | 13 8 | 1 31 | 22 33 | 0 42 | 22 58 | 0 31 | 8 11 | 0 48 | 2 18 | 1 35 | 27 33 | 8 9 | 23 16 | 23 21 | 6 16 | 18 4 | 5 12 |
| T 25 | 17 49 | 23 15 | 0 4 | 21 58 | 2 0 | 20 13 | 3 12 | 13 18 | 1 31 | 22 35 | 0 42 | 22 58 | 0 31 | 8 12 | 0 48 | 2 18 | 1 35 | 27 33 | 8 9 | 23 16 | 23 21 | 6 18 | 18 4 | 5 12 |
| W26 | 17 32 | 22 58 | 1n 8 | 21 37 | 2 2 | 20 20 | 3 8 | 13 27 | 1 30 | 22 36 | 0 42 | 22 57 | 0 31 | 8 13 | 0 48 | 2 18 | 1 35 | 27 33 | 8 9 | 23 16 | 23 21 | 6 21 | 18 4 | 5 11 |
| T 27 | 17 15 | 21 20 | 2 17 | 21 14 | 2 3 | 20 26 | 3 4 | 13 37 | 1 30 | 22 37 | 0 42 | 22 57 | 0 31 | 8 14 | 0 48 | 2 19 | 1 35 | 27 34 | 8 9 | 23 16 | 23 21 | 6 24 | 18 4 | 5 11 |
| F 28 | 16 58 | 18 25 | 3 20 | 20 49 | 2 4 | 20 32 | 3 0 | 13 46 | 1 30 | 22 38 | 0 42 | 22 57 | 0 31 | 8 15 | 0 48 | 2 19 | 1 35 | 27 34 | 8 9 | 23 16 | 23 22 | 6 26 | 18 4 | 5 11 |
| S 29 | 16 41 | 14 21 | 4 12 | 20 22 | 2 4 | 20 37 | 2 56 | 13 55 | 1 30 | 22 39 | 0 42 | 22 57 | 0 31 | 8 16 | 0 49 | 2 20 | 1 35 | 27 35 | 8 9 | 23 17 | 23 22 | 6 29 | 18 4 | 5 11 |
| S 30 | 16 23 | 9 26 | 4 49 | 19 54 | 2 4 | 20 42 | 2 52 | 14 4 | 1 30 | 22 40 | 0 42 | 22 57 | 0 31 | 8 16 | 0 49 | 2 20 | 1 35 | 27 35 | 8 9 | 23 17 | 23 22 | 6 32 | 18 4 | 5 10 |
| M31 | 16s 5 | 3n58 | 5n 8 | 19s25 | 2s 4 | 20s47 | 2n47 | 14s13 | 1n29 | 22n41 | 0n42 | 22s56 | 0n31 | 8n17 | 0n49 | 2n21 | 1n35 | 27n35 | 8n 9 | 23n17 | 23n22 | 6n34 | 18n 4 | 5s10 |

Julian Day Number = 2071332.5, Delta T = 28m00s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°13'57, Lahiri = 9°20'57 Julian Calendar 1 Jan. 959 == Greg. Calendar 6 Jan. 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## FEBRUARY 959 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 2 28 | 17♒ 9'13 | 16♎17 | 13♒18 | 0♑52 | 12♏51 | 20°R26 | 5♑49 | 10°R48 | 27°R45 | 2°R42 | 8°R33 | 7♋18 | 28♈46 | 20°R26 | T 1 |
| W 2 | 9 6 25 | 18° 9'37 | 0♏38 | 15° 6 | 1°56 | 13°20 | 20♋19 | 5°55 | 10♍46 | 27♍44 | 2♌41 | 8♋30 | 7°15 | 28°53 | 20♊25 | W 2 |
| T 3 | 9 10 21 | 19° 9'59 | 14°52 | 16°55 | 3° 1 | 13°48 | 20°13 | 6° 1 | 10°44 | 27°43 | 2°39 | 8°D29 | 7°12 | 29° 0 | 20°23 | T 3 |
| F 4 | 9 14 18 | 20°10'20 | 28°55 | 18°45 | 4° 6 | 14°16 | 20° 7 | 6° 7 | 10°41 | 27°42 | 2°38 | 8°29 | 7° 9 | 29° 6 | 20°22 | F 4 |
| S 5 | 9 18 14 | 21°10'39 | 12♐47 | 20°36 | 5°12 | 14°44 | 20° 1 | 6°13 | 10°39 | 27°41 | 2°37 | 8°30 | 7° 6 | 29°13 | 20°21 | S 5 |
| S 6 | 9 22 11 | 22°10'57 | 26°28 | 22°28 | 6°17 | 15°11 | 19°55 | 6°18 | 10°36 | 27°39 | 2°35 | 8°31 | 7° 2 | 29°20 | 20°20 | S 6 |
| M 7 | 9 26 7 | 23°11'13 | 9♑57 | 24°20 | 7°23 | 15°38 | 19°49 | 6°24 | 10°34 | 27°38 | 2°34 | 8°R32 | 6°59 | 29°26 | 20°19 | M 7 |
| T 8 | 9 30 4 | 24°11'28 | 23°16 | 26°14 | 8°29 | 16° 5 | 19°44 | 6°29 | 10°32 | 27°37 | 2°33 | 8°31 | 6°56 | 29°33 | 20°18 | T 8 |
| W 9 | 9 34 1 | 25°11'41 | 6♒23 | 28° 8 | 9°35 | 16°32 | 19°38 | 6°35 | 10°29 | 27°35 | 2°31 | 8°27 | 6°53 | 29°40 | 20°17 | W 9 |
| T 10 | 9 37 57 | 26°11'52 | 19°19 | 0♓ 3 | 10°42 | 16°59 | 19°33 | 6°40 | 10°27 | 27°34 | 2°30 | 8°22 | 6°50 | 29°47 | 20°16 | T 10 |
| F 11 | 9 41 54 | 27°12'02 | 2♓ 2 | 1°58 | 11°48 | 17°25 | 19°28 | 6°46 | 10°24 | 27°33 | 2°29 | 8°14 | 6°46 | 29°53 | 20°15 | F 11 |
| S 12 | 9 45 50 | 28°12'09 | 14°34 | 3°54 | 12°55 | 17°52 | 19°23 | 6°51 | 10°22 | 27°31 | 2°27 | 8° 5 | 6°43 | 29°59 | 20°15 | S 12 |
| S 13 | 9 49 47 | 29°12'14 | 26°53 | 5°50 | 14° 2 | 18°17 | 19°19 | 6°56 | 10°19 | 27°30 | 2°26 | 7°55 | 6°40 | 0♉ 7 | 20°14 | S 13 |
| M14 | 9 53 43 | 0♓12'18 | 9♈ 1 | 7°47 | 15° 9 | 18°43 | 19°14 | 7° 1 | 10°16 | 27°29 | 2°25 | 7°45 | 6°37 | 0°13 | 20°14 | M14 |
| T 15 | 9 57 40 | 1°12'19 | 21° 1 | 9°43 | 16°16 | 19° 9 | 19°10 | 7° 6 | 10°14 | 27°27 | 2°24 | 7°37 | 6°34 | 0°20 | 20°13 | T 15 |
| W16 | 10 1 36 | 2°12'18 | 2♉54 | 11°39 | 17°24 | 19°34 | 19° 5 | 7°12 | 10°11 | 27°26 | 2°23 | 7°30 | 6°31 | 0°27 | 20°13 | W16 |
| T 17 | 10 5 33 | 3°12'15 | 14°44 | 13°34 | 18°31 | 19°59 | 19° 1 | 7°17 | 10° 9 | 27°24 | 2°21 | 7°26 | 6°27 | 0°34 | 20°13 | T 17 |
| F 18 | 10 9 30 | 4°12'09 | 26°36 | 15°28 | 19°39 | 20°23 | 18°57 | 7°21 | 10° 6 | 27°23 | 2°20 | 7°24 | 6°24 | 0°40 | 20°13 | F 18 |
| S 19 | 10 13 26 | 5°12'02 | 8♊35 | 17°21 | 20°47 | 20°48 | 18°54 | 7°26 | 10° 4 | 27°21 | 2°19 | 7°D23 | 6°21 | 0°47 | 20°D13 | S 19 |
| S 20 | 10 17 23 | 6°11'52 | 20°46 | 19°13 | 21°55 | 21°12 | 18°50 | 7°31 | 10° 1 | 27°20 | 2°18 | 7°24 | 6°18 | 0°54 | 20°13 | S 20 |
| M21 | 10 21 19 | 7°11'40 | 3♋14 | 21° 2 | 23° 3 | 21°35 | 18°47 | 7°36 | 9°58 | 27°18 | 2°17 | 7°R25 | 6°15 | 1° 0 | 20°13 | M21 |
| T 22 | 10 25 16 | 8°11'26 | 16° 5 | 22°49 | 24°11 | 21°59 | 18°44 | 7°40 | 9°56 | 27°17 | 2°16 | 7°25 | 6°11 | 1° 7 | 20°13 | T 22 |
| W23 | 10 29 12 | 9°11'09 | 29°20 | 24°33 | 25°19 | 22°22 | 18°41 | 7°45 | 9°53 | 27°15 | 2°14 | 7°22 | 6° 8 | 1°14 | 20°13 | W23 |
| T 24 | 10 33 9 | 10°10'50 | 13♌ 3 | 26°13 | 26°27 | 22°45 | 18°38 | 7°49 | 9°51 | 27°14 | 2°13 | 7°18 | 6° 5 | 1°20 | 20°14 | T 24 |
| F 25 | 10 37 5 | 11°10'29 | 27°12 | 27°50 | 27°36 | 23° 8 | 18°35 | 7°54 | 9°48 | 27°12 | 2°12 | 7°11 | 6° 2 | 1°27 | 20°14 | F 25 |
| S 26 | 10 41 2 | 12°10'06 | 11♍43 | 29°22 | 28°45 | 23°30 | 18°33 | 7°58 | 9°45 | 27°11 | 2°11 | 7° 2 | 5°59 | 1°34 | 20°15 | S 26 |
| S 27 | 10 44 59 | 13° 9'40 | 26°30 | 0♈49 | 29°53 | 23°52 | 18°31 | 8° 2 | 9°43 | 27° 9 | 2°10 | 6°52 | 5°56 | 1°41 | 20°15 | S 27 |
| M28 | 10 48 55 | 14♓ 9'13 | 11♎24 | 2♈10 | 1♒ 2 | 24♏13 | 18♋29 | 8♑ 7 | 9♍40 | 27♍ 7 | 2♌ 9 | 6♋41 | 5♋52 | 1♉47 | 20♊16 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15s47 | 1s42 | 5n 8 | 18s53 | 2s 3 | 20s51 | 2n43 | 14s22 | 1n29 | 22n42 | 0n42 | 22s56 | 0n31 | 8n18 | 0n49 | 2n21 | 1n35 | 27n36 | 8n 9 | 23n18 | 23n22 | 6n37 | 18n 5 | 5s10 | T 1 |
| W 2 | 15 28 | 7 16 | 4 48 | 18 20 | 2 2 | 20 55 | 2 39 | 14 31 | 1 29 | 22 43 | 0 42 | 22 56 | 0 31 | 8 19 | 0 49 | 2 22 | 1 35 | 27 36 | 8 10 | 23 18 | 23 22 | 6 40 | 18 5 | 5 10 | W 2 |
| T 3 | 15 10 | 12 24 | 4 10 | 17 45 | 2 0 | 20 58 | 2 34 | 14 40 | 1 28 | 22 44 | 0 42 | 22 56 | 0 30 | 8 20 | 0 49 | 2 22 | 1 35 | 27 36 | 8 10 | 23 18 | 23 23 | 6 42 | 18 5 | 5 9 | T 3 |
| F 4 | 14 50 | 16 49 | 3 18 | 17 9 | 1 58 | 21 1 | 2 30 | 14 48 | 1 28 | 22 45 | 0 42 | 22 56 | 0 30 | 8 21 | 0 49 | 2 23 | 1 36 | 27 37 | 8 10 | 23 18 | 23 23 | 6 45 | 18 5 | 5 9 | F 4 |
| S 5 | 14 31 | 20 14 | 2 15 | 16 31 | 1 55 | 21 3 | 2 26 | 14 57 | 1 28 | 22 46 | 0 42 | 22 55 | 0 30 | 8 22 | 0 49 | 2 23 | 1 36 | 27 37 | 8 10 | 23 18 | 23 23 | 6 48 | 18 5 | 5 9 | S 5 |
| S 6 | 14 12 | 22 27 | 1 5 | 15 51 | 1 51 | 21 4 | 2 21 | 15 5 | 1 27 | 22 47 | 0 42 | 22 55 | 0 30 | 8 23 | 0 49 | 2 24 | 1 36 | 27 37 | 8 10 | 23 18 | 23 23 | 6 50 | 18 6 | 5 8 | S 6 |
| M 7 | 13 52 | 23 20 | 0s 8 | 15 10 | 1 47 | 21 5 | 2 17 | 15 14 | 1 27 | 22 48 | 0 43 | 22 55 | 0 30 | 8 24 | 0 49 | 2 24 | 1 36 | 27 38 | 8 10 | 23 18 | 23 23 | 6 53 | 18 6 | 5 8 | M 7 |
| T 8 | 13 32 | 22 51 | 1 19 | 14 27 | 1 43 | 21 6 | 2 12 | 15 22 | 1 27 | 22 49 | 0 43 | 22 55 | 0 30 | 8 25 | 0 49 | 2 25 | 1 36 | 27 38 | 8 10 | 23 18 | 23 23 | 6 56 | 18 6 | 5 8 | T 8 |
| W 9 | 13 12 | 21 7 | 2 25 | 13 43 | 1 38 | 21 6 | 2 8 | 15 30 | 1 26 | 22 50 | 0 43 | 22 54 | 0 30 | 8 26 | 0 49 | 2 26 | 1 36 | 27 38 | 8 10 | 23 18 | 23 24 | 6 58 | 18 6 | 5 7 | W 9 |
| T 10 | 12 51 | 18 18 | 3 22 | 12 57 | 1 32 | 21 6 | 2 3 | 15 38 | 1 26 | 22 51 | 0 43 | 22 54 | 0 30 | 8 27 | 0 49 | 2 26 | 1 36 | 27 39 | 8 10 | 23 18 | 23 24 | 7 1 | 18 7 | 5 7 | T 10 |
| F 11 | 12 31 | 14 39 | 4 8 | 12 10 | 1 26 | 21 5 | 1 59 | 15 46 | 1 25 | 22 51 | 0 43 | 22 54 | 0 30 | 8 28 | 0 49 | 2 27 | 1 36 | 27 39 | 8 9 | 23 19 | 23 24 | 7 4 | 18 7 | 5 7 | F 11 |
| S 12 | 12 10 | 10 25 | 4 41 | 11 21 | 1 19 | 21 3 | 1 54 | 15 53 | 1 25 | 22 52 | 0 43 | 22 54 | 0 30 | 8 29 | 0 49 | 2 27 | 1 36 | 27 39 | 8 9 | 23 20 | 23 24 | 7 6 | 18 7 | 5 7 | S 12 |
| S 13 | 11 49 | 5 50 | 5 0 | 10 32 | 1 11 | 21 1 | 1 49 | 16 1 | 1 25 | 22 53 | 0 43 | 22 53 | 0 30 | 8 30 | 0 49 | 2 28 | 1 36 | 27 39 | 8 9 | 23 20 | 23 24 | 7 9 | 18 7 | 5 6 | S 13 |
| M14 | 11 28 | 1 5 | 5 6 | 9 41 | 1 3 | 20 58 | 1 45 | 16 9 | 1 24 | 22 53 | 0 43 | 22 53 | 0 30 | 8 31 | 0 49 | 2 28 | 1 36 | 27 40 | 8 9 | 23 21 | 23 24 | 7 12 | 18 8 | 5 6 | M14 |
| T 15 | 11 6 | 3n39 | 4 58 | 8 49 | 0 55 | 20 55 | 1 40 | 16 16 | 1 24 | 22 54 | 0 43 | 22 53 | 0 30 | 8 32 | 0 49 | 2 29 | 1 36 | 27 40 | 8 9 | 23 21 | 23 25 | 7 14 | 18 8 | 5 6 | T 15 |
| W16 | 10 45 | 8 13 | 4 37 | 7 56 | 0 45 | 20 51 | 1 36 | 16 23 | 1 23 | 22 55 | 0 43 | 22 53 | 0 30 | 8 33 | 0 49 | 2 30 | 1 36 | 27 40 | 8 9 | 23 22 | 23 25 | 7 17 | 18 8 | 5 5 | W16 |
| T 17 | 10 23 | 12 28 | 4 4 | 7 2 | 0 35 | 20 47 | 1 31 | 16 30 | 1 23 | 22 55 | 0 43 | 22 52 | 0 30 | 8 34 | 0 49 | 2 30 | 1 36 | 27 40 | 8 9 | 23 22 | 23 25 | 7 20 | 18 9 | 5 5 | T 17 |
| F 18 | 10 1 | 16 15 | 3 21 | 6 8 | 0 25 | 20 42 | 1 27 | 16 38 | 1 22 | 22 56 | 0 43 | 22 52 | 0 30 | 8 34 | 0 49 | 2 31 | 1 36 | 27 41 | 8 9 | 23 22 | 23 25 | 7 22 | 18 9 | 5 5 | F 18 |
| S 19 | 9 39 | 19 25 | 2 28 | 5 14 | 0 14 | 20 36 | 1 22 | 16 45 | 1 21 | 22 56 | 0 43 | 22 52 | 0 30 | 8 35 | 0 49 | 2 32 | 1 36 | 27 41 | 8 9 | 23 22 | 23 25 | 7 25 | 18 9 | 5 4 | S 19 |
| S 20 | 9 17 | 21 47 | 1 28 | 4 20 | 0 2 | 20 30 | 1 18 | 16 51 | 1 21 | 22 57 | 0 43 | 22 52 | 0 30 | 8 36 | 0 49 | 2 32 | 1 36 | 27 41 | 8 9 | 23 22 | 23 25 | 7 28 | 18 9 | 5 4 | S 20 |
| M21 | 8 55 | 23 10 | 0 22 | 3 25 | 0n10 | 20 24 | 1 13 | 16 58 | 1 20 | 22 57 | 0 43 | 22 52 | 0 30 | 8 37 | 0 49 | 2 33 | 1 36 | 27 41 | 8 9 | 23 22 | 23 26 | 7 30 | 18 10 | 5 4 | M21 |
| T 22 | 8 33 | 23 22 | 0n46 | 2 32 | 0 22 | 20 16 | 1 9 | 17 5 | 1 20 | 22 58 | 0 43 | 22 51 | 0 30 | 8 38 | 0 49 | 2 33 | 1 36 | 27 42 | 8 9 | 23 22 | 23 26 | 7 33 | 18 10 | 5 3 | T 22 |
| W23 | 8 10 | 22 16 | 1 54 | 1 39 | 0 35 | 20 9 | 1 4 | 17 11 | 1 19 | 22 58 | 0 43 | 22 51 | 0 30 | 8 39 | 0 49 | 2 34 | 1 36 | 27 42 | 8 9 | 23 22 | 23 26 | 7 36 | 18 11 | 5 3 | W23 |
| T 24 | 7 48 | 19 50 | 2 58 | 0 47 | 0 48 | 20 0 | 1 0 | 17 18 | 1 18 | 22 59 | 0 43 | 22 51 | 0 30 | 8 40 | 0 49 | 2 35 | 1 36 | 27 42 | 8 9 | 23 22 | 23 26 | 7 38 | 18 11 | 5 3 | T 24 |
| F 25 | 7 25 | 16 9 | 3 53 | 0n 4 | 1 1 | 19 51 | 0 55 | 17 24 | 1 18 | 22 59 | 0 43 | 22 51 | 0 30 | 8 41 | 0 49 | 2 35 | 1 36 | 27 42 | 8 9 | 23 23 | 23 26 | 7 41 | 18 11 | 5 2 | F 25 |
| S 26 | 7 2 | 11 25 | 4 34 | 0 52 | 1 14 | 19 42 | 0 51 | 17 31 | 1 17 | 22 59 | 0 43 | 22 50 | 0 30 | 8 42 | 0 49 | 2 36 | 1 36 | 27 42 | 8 9 | 23 23 | 23 26 | 7 44 | 18 12 | 5 2 | S 26 |
| S 27 | 6 39 | 5 57 | 4 58 | 1 39 | 1 27 | 19 32 | 0 46 | 17 37 | 1 16 | 23 0 | 0 43 | 22 50 | 0 30 | 8 43 | 0 49 | 2 37 | 1 36 | 27 42 | 8 9 | 23 24 | 23 26 | 7 46 | 18 12 | 5 2 | S 27 |
| M28 | 6s16 | 0n 5 | 5n 1 | 2n24 | 1n40 | 19s21 | 0n42 | 17s43 | 1n16 | 23n 0 | 0n43 | 22s50 | 0n30 | 8n44 | 0n49 | 2n37 | 1n36 | 27n43 | 8n 9 | 23n24 | 23n27 | 7n49 | 18n12 | 5s 1 | M28 |

Julian Day Number = 2071363.5, Delta T = 27m59s
Ecliptic obliquity = 23°34'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'01, Lahiri = 9°21'01 Julian Calendar 1 Feb. 959 == Greg. Calendar 6 Feb. 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## MARCH 959 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 52 52 | 15♓ 8'44 | 26♎17 | 3♈26 | 2♒11 | 24♏35 | 18°R27 | 8♑11 | 9°R38 | 27°R 6 | 2°R 8 | 6°R33 | 5♋49 | 1♉54 | 20♊17 | T 1 |
| W 2 | 10 56 48 | 16° 8'12 | 11♏ 0 | 4°36 | 3°20 | 24°56 | 18♋25 | 8°15 | 9♍35 | 27♍ 4 | 2♌ 7 | 6♋26 | 5°46 | 2° 1 | 20°18 | W 2 |
| T 3 | 11 0 45 | 17° 7'40 | 25°27 | 5°39 | 4°29 | 25°16 | 18°24 | 8°19 | 9°32 | 27° 3 | 2° 6 | 6°22 | 5°43 | 2° 7 | 20°19 | T 3 |
| F 4 | 11 4 41 | 18° 7'05 | 9♐36 | 6°36 | 5°38 | 25°36 | 18°23 | 8°23 | 9°30 | 27° 1 | 2° 5 | 6°20 | 5°40 | 2°14 | 20°20 | F 4 |
| S 5 | 11 8 38 | 19° 6'28 | 23°26 | 7°25 | 6°48 | 25°56 | 18°21 | 8°26 | 9°27 | 26°59 | 2° 4 | 6°D20 | 5°37 | 2°21 | 20°21 | S 5 |
| S 6 | 11 12 34 | 20° 5'50 | 6♑56 | 8° 8 | 7°57 | 26°15 | 18°21 | 8°30 | 9°25 | 26°58 | 2° 4 | 6°R20 | 5°33 | 2°28 | 20°22 | S 6 |
| M 7 | 11 16 31 | 21° 5'10 | 20°10 | 8°43 | 9° 7 | 26°34 | 18°20 | 8°34 | 9°22 | 26°56 | 2° 3 | 6°19 | 5°30 | 2°34 | 20°24 | M 7 |
| T 8 | 11 20 28 | 22° 4'28 | 3♒10 | 9°10 | 10°16 | 26°53 | 18°19 | 8°37 | 9°20 | 26°54 | 2° 2 | 6°17 | 5°27 | 2°41 | 20°25 | T 8 |
| W 9 | 11 24 24 | 23° 3'45 | 15°57 | 9°30 | 11°26 | 27°11 | 18°19 | 8°41 | 9°17 | 26°53 | 2° 1 | 6°11 | 5°24 | 2°48 | 20°27 | W 9 |
| T 10 | 11 28 21 | 24° 2'59 | 28°33 | 9°42 | 12°36 | 27°29 | 18°D19 | 8°44 | 9°15 | 26°51 | 2° 0 | 6° 3 | 5°21 | 2°54 | 20°28 | T 10 |
| F 11 | 11 32 17 | 25° 2'11 | 10♓59 | 9°R47 | 13°46 | 27°46 | 18°19 | 8°47 | 9°12 | 26°49 | 1°59 | 5°52 | 5°17 | 3° 1 | 20°30 | F 11 |
| S 12 | 11 36 14 | 26° 1'21 | 23°16 | 9°45 | 14°56 | 28° 3 | 18°19 | 8°51 | 9°10 | 26°48 | 1°59 | 5°39 | 5°14 | 3° 8 | 20°32 | S 12 |
| S 13 | 11 40 10 | 27° 0'29 | 5♈25 | 9°36 | 16° 6 | 28°20 | 18°20 | 8°54 | 9° 7 | 26°46 | 1°58 | 5°25 | 5°11 | 3°15 | 20°34 | S 13 |
| M14 | 11 44 7 | 27°59'35 | 17°27 | 9°21 | 17°16 | 28°36 | 18°20 | 8°57 | 9° 5 | 26°44 | 1°57 | 5°11 | 5° 8 | 3°21 | 20°35 | M14 |
| T 15 | 11 48 3 | 28°58'39 | 29°22 | 8°59 | 18°26 | 28°51 | 18°21 | 9° 0 | 9° 2 | 26°43 | 1°57 | 4°58 | 5° 5 | 3°28 | 20°37 | T 15 |
| W16 | 11 52 0 | 29°57'40 | 11♉13 | 8°31 | 19°36 | 29° 6 | 18°22 | 9° 2 | 9° 0 | 26°41 | 1°56 | 4°48 | 5° 2 | 3°35 | 20°39 | W16 |
| T 17 | 11 55 56 | 0♈56'40 | 23° 2 | 7°59 | 20°46 | 29°20 | 18°24 | 9° 5 | 8°58 | 26°40 | 1°55 | 4°40 | 4°58 | 3°41 | 20°42 | T 17 |
| F 18 | 11 59 53 | 1°55'37 | 4♊53 | 7°22 | 21°56 | 29°34 | 18°25 | 9° 8 | 8°55 | 26°38 | 1°55 | 4°36 | 4°55 | 3°48 | 20°44 | F 18 |
| S 19 | 12 3 50 | 2°54'32 | 16°50 | 6°42 | 23° 7 | 29°48 | 18°27 | 9°10 | 8°53 | 26°36 | 1°54 | 4°34 | 4°52 | 3°55 | 20°46 | S 19 |
| S 20 | 12 7 46 | 3°53'24 | 28°58 | 5°59 | 24°17 | 0♐ 1 | 18°28 | 9°13 | 8°51 | 26°35 | 1°54 | 4°33 | 4°49 | 4° 1 | 20°49 | S 20 |
| M21 | 12 11 43 | 4°52'14 | 11♋23 | 5°14 | 25°28 | 0°13 | 18°30 | 9°15 | 8°48 | 26°33 | 1°53 | 4°33 | 4°46 | 4° 8 | 20°51 | M21 |
| T 22 | 12 15 39 | 5°51'02 | 24° 9 | 4°28 | 26°38 | 0°25 | 18°32 | 9°18 | 8°46 | 26°31 | 1°52 | 4°32 | 4°43 | 4°15 | 20°54 | T 22 |
| W23 | 12 19 36 | 6°49'48 | 7♌22 | 3°43 | 27°49 | 0°36 | 18°35 | 9°20 | 8°44 | 26°30 | 1°52 | 4°30 | 4°39 | 4°22 | 20°56 | W23 |
| T 24 | 12 23 32 | 7°48'31 | 21° 3 | 2°58 | 28°59 | 0°47 | 18°37 | 9°22 | 8°42 | 26°28 | 1°52 | 4°25 | 4°36 | 4°28 | 20°59 | T 24 |
| F 25 | 12 27 29 | 8°47'12 | 5♍15 | 2°15 | 0♓10 | 0°57 | 18°40 | 9°24 | 8°40 | 26°26 | 1°51 | 4°18 | 4°33 | 4°35 | 21° 2 | F 25 |
| S 26 | 12 31 25 | 9°45'51 | 19°54 | 1°34 | 1°20 | 1° 7 | 18°43 | 9°26 | 8°37 | 26°25 | 1°51 | 4° 8 | 4°30 | 4°42 | 21° 4 | S 26 |
| S 27 | 12 35 22 | 10°44'27 | 4♎54 | 0°56 | 2°31 | 1°16 | 18°46 | 9°28 | 8°35 | 26°23 | 1°50 | 3°57 | 4°27 | 4°48 | 21° 7 | S 27 |
| M28 | 12 39 19 | 11°43'02 | 20° 5 | 0°21 | 3°42 | 1°24 | 18°49 | 9°29 | 8°33 | 26°22 | 1°50 | 3°46 | 4°23 | 4°55 | 21°10 | M28 |
| T 29 | 12 43 15 | 12°41'35 | 5♏19 | 29♓51 | 4°53 | 1°32 | 18°52 | 9°31 | 8°31 | 26°20 | 1°50 | 3°36 | 4°20 | 5° 2 | 21°13 | T 29 |
| W30 | 12 47 12 | 13°40'05 | 20°22 | 29°24 | 6° 4 | 1°39 | 18°56 | 9°33 | 8°29 | 26°19 | 1°49 | 3°29 | 4°17 | 5° 8 | 21°17 | W30 |
| T 31 | 12 51 8 | 14♈38'35 | 5♐ 8 | 29♓ 3 | 7♓15 | 1♐45 | 19♋ 0 | 9♑34 | 8♍27 | 26♍17 | 1♌49 | 3♋24 | 4♋14 | 5♉15 | 21♊20 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s53 | 5s46 | 4n45 | 3n 6 | 1n52 | 19s10 | 0n38 | 17s49 | 1n15 | 23n 0 | 0n43 | 22s50 | 0n30 | 8n45 | 0n49 | 2n38 | 1n36 | 27n43 | 8n 9 | 23n25 | 23n27 | 7n52 | 18n13 | 5s 1 |
| W 2 | 5 30 | 11 15 | 4 10 | 3 45 | 2 5 | 18 59 | 0 33 | 17 55 | 1 14 | 23 0 | 0 43 | 22 49 | 0 30 | 8 46 | 0 49 | 2 39 | 1 36 | 27 43 | 8 8 | 23 25 | 23 27 | 7 54 | 18 13 | 5 1 |
| T 3 | 5 7 | 16 1 | 3 19 | 4 21 | 2 17 | 18 46 | 0 29 | 18 0 | 1 13 | 23 1 | 0 43 | 22 49 | 0 29 | 8 47 | 0 49 | 2 39 | 1 36 | 27 43 | 8 8 | 23 25 | 23 27 | 7 57 | 18 14 | 5 0 |
| F 4 | 4 43 | 19 46 | 2 17 | 4 54 | 2 28 | 18 34 | 0 25 | 18 6 | 1 12 | 23 1 | 0 43 | 22 49 | 0 29 | 8 48 | 0 49 | 2 40 | 1 36 | 27 43 | 8 8 | 23 25 | 23 27 | 8 0 | 18 14 | 5 0 |
| S 5 | 4 20 | 22 17 | 1 8 | 5 23 | 2 38 | 18 20 | 0 21 | 18 11 | 1 11 | 23 1 | 0 43 | 22 49 | 0 29 | 8 49 | 0 49 | 2 41 | 1 36 | 27 43 | 8 8 | 23 25 | 23 27 | 8 2 | 18 14 | 5 0 |
| S 6 | 3 57 | 23 27 | 0s 3 | 5 49 | 2 48 | 18 7 | 0 17 | 18 17 | 1 11 | 23 1 | 0 43 | 22 49 | 0 29 | 8 50 | 0 49 | 2 41 | 1 36 | 27 43 | 8 8 | 23 25 | 23 27 | 8 5 | 18 15 | 4 59 |
| M 7 | 3 33 | 23 15 | 1 13 | 6 11 | 2 57 | 17 52 | 0 13 | 18 22 | 1 10 | 23 1 | 0 43 | 22 48 | 0 29 | 8 51 | 0 49 | 2 42 | 1 36 | 27 44 | 8 8 | 23 25 | 23 28 | 8 8 | 18 15 | 4 59 |
| T 8 | 3 10 | 21 47 | 2 17 | 6 29 | 3 5 | 17 38 | 0 9 | 18 27 | 1 9 | 23 1 | 0 43 | 22 48 | 0 29 | 8 52 | 0 49 | 2 43 | 1 36 | 27 44 | 8 8 | 23 25 | 23 28 | 8 10 | 18 16 | 4 59 |
| W 9 | 2 46 | 19 13 | 3 13 | 6 43 | 3 12 | 17 22 | 0 5 | 18 33 | 1 8 | 23 1 | 0 43 | 22 48 | 0 29 | 8 53 | 0 49 | 2 43 | 1 36 | 27 44 | 8 8 | 23 26 | 23 28 | 8 13 | 18 16 | 4 58 |
| T 10 | 2 23 | 15 46 | 3 59 | 6 53 | 3 17 | 17 7 | 0 1 | 18 38 | 1 7 | 23 1 | 0 43 | 22 48 | 0 29 | 8 54 | 0 49 | 2 44 | 1 36 | 27 44 | 8 8 | 23 26 | 23 28 | 8 16 | 18 17 | 4 58 |
| F 11 | 1 59 | 11 41 | 4 32 | 6 59 | 3 21 | 16 50 | 0s 3 | 18 43 | 1 6 | 23 1 | 0 43 | 22 48 | 0 29 | 8 55 | 0 49 | 2 45 | 1 36 | 27 44 | 8 8 | 23 27 | 23 28 | 8 18 | 18 17 | 4 58 |
| S 12 | 1 35 | 7 10 | 4 53 | 7 0 | 3 24 | 16 34 | 0 7 | 18 47 | 1 4 | 23 1 | 0 43 | 22 47 | 0 29 | 8 56 | 0 49 | 2 45 | 1 36 | 27 44 | 8 7 | 23 27 | 23 28 | 8 21 | 18 17 | 4 57 |
| S 13 | 1 12 | 2 25 | 5 0 | 6 58 | 3 25 | 16 16 | 0 11 | 18 52 | 1 3 | 23 1 | 0 43 | 22 47 | 0 29 | 8 57 | 0 49 | 2 46 | 1 36 | 27 44 | 8 7 | 23 28 | 23 28 | 8 24 | 18 18 | 4 57 |
| M14 | 0 48 | 2n22 | 4 53 | 6 51 | 3 25 | 15 59 | 0 14 | 18 57 | 1 2 | 23 1 | 0 43 | 22 47 | 0 29 | 8 58 | 0 49 | 2 47 | 1 36 | 27 44 | 8 7 | 23 28 | 23 28 | 8 26 | 18 18 | 4 57 |
| T 15 | 0 25 | 7 3 | 4 34 | 6 41 | 3 23 | 15 41 | 0 18 | 19 1 | 1 1 | 23 1 | 0 43 | 22 47 | 0 29 | 8 59 | 0 49 | 2 47 | 1 36 | 27 44 | 8 7 | 23 29 | 23 29 | 8 29 | 18 19 | 4 56 |
| W16 | 0 1 | 11 26 | 4 2 | 6 26 | 3 19 | 15 22 | 0 22 | 19 6 | 1 0 | 23 1 | 0 43 | 22 47 | 0 29 | 8 59 | 0 49 | 2 48 | 1 36 | 27 44 | 8 7 | 23 29 | 23 29 | 8 31 | 18 19 | 4 56 |
| T 17 | 0n23 | 15 24 | 3 21 | 6 9 | 3 14 | 15 3 | 0 25 | 19 10 | 0 59 | 23 0 | 0 43 | 22 47 | 0 29 | 9 0 | 0 49 | 2 49 | 1 36 | 27 44 | 8 7 | 23 29 | 23 29 | 8 34 | 18 20 | 4 56 |
| F 18 | 0 46 | 18 46 | 2 30 | 5 48 | 3 7 | 14 43 | 0 29 | 19 14 | 0 57 | 23 0 | 0 43 | 22 47 | 0 29 | 9 1 | 0 49 | 2 49 | 1 36 | 27 44 | 8 7 | 23 30 | 23 29 | 8 37 | 18 20 | 4 55 |
| S 19 | 1 10 | 21 23 | 1 32 | 5 24 | 2 58 | 14 24 | 0 32 | 19 19 | 0 56 | 23 0 | 0 43 | 22 46 | 0 29 | 9 2 | 0 49 | 2 50 | 1 36 | 27 44 | 8 7 | 23 30 | 23 29 | 8 39 | 18 21 | 4 55 |
| S 20 | 1 33 | 23 5 | 0 29 | 4 58 | 2 48 | 14 3 | 0 35 | 19 23 | 0 55 | 23 0 | 0 43 | 22 46 | 0 29 | 9 3 | 0 49 | 2 51 | 1 37 | 27 44 | 8 6 | 23 30 | 23 29 | 8 42 | 18 21 | 4 55 |
| M21 | 1 57 | 23 41 | 0n36 | 4 29 | 2 37 | 13 43 | 0 39 | 19 27 | 0 53 | 22 59 | 0 43 | 22 46 | 0 29 | 9 4 | 0 49 | 2 51 | 1 37 | 27 44 | 8 6 | 23 30 | 23 29 | 8 45 | 18 22 | 4 55 |
| T 22 | 2 20 | 23 4 | 1 42 | 4 0 | 2 24 | 13 22 | 0 42 | 19 31 | 0 52 | 22 59 | 0 42 | 22 46 | 0 29 | 9 5 | 0 49 | 2 52 | 1 36 | 27 44 | 8 6 | 23 30 | 23 29 | 8 47 | 18 22 | 4 54 |
| W23 | 2 44 | 21 11 | 2 44 | 3 29 | 2 11 | 13 0 | 0 45 | 19 34 | 0 50 | 22 59 | 0 42 | 22 46 | 0 29 | 9 5 | 0 49 | 2 53 | 1 36 | 27 44 | 8 6 | 23 30 | 23 29 | 8 50 | 18 22 | 4 54 |
| T 24 | 3 7 | 18 1 | 3 39 | 2 57 | 1 56 | 12 38 | 0 48 | 19 38 | 0 49 | 22 58 | 0 42 | 22 46 | 0 29 | 9 6 | 0 48 | 2 53 | 1 36 | 27 44 | 8 6 | 23 30 | 23 30 | 8 53 | 18 23 | 4 54 |
| F 25 | 3 30 | 13 43 | 4 23 | 2 26 | 1 41 | 12 16 | 0 51 | 19 42 | 0 47 | 22 58 | 0 42 | 22 46 | 0 29 | 9 7 | 0 48 | 2 54 | 1 36 | 27 44 | 8 6 | 23 30 | 23 30 | 8 55 | 18 23 | 4 53 |
| S 26 | 3 53 | 8 29 | 4 51 | 1 55 | 1 25 | 11 54 | 0 54 | 19 45 | 0 46 | 22 57 | 0 42 | 22 45 | 0 29 | 9 8 | 0 48 | 2 54 | 1 36 | 27 44 | 8 6 | 23 31 | 23 30 | 8 58 | 18 24 | 4 53 |
| S 27 | 4 16 | 2 38 | 5 0 | 1 25 | 1 8 | 11 31 | 0 57 | 19 49 | 0 44 | 22 57 | 0 42 | 22 45 | 0 29 | 9 9 | 0 48 | 2 55 | 1 36 | 27 44 | 8 6 | 23 31 | 23 30 | 9 1 | 18 24 | 4 53 |
| M28 | 4 40 | 3s27 | 4 49 | 0 56 | 0 52 | 11 8 | 0 59 | 19 52 | 0 42 | 22 57 | 0 42 | 22 45 | 0 29 | 9 9 | 0 48 | 2 56 | 1 36 | 27 44 | 8 5 | 23 31 | 23 30 | 9 3 | 18 25 | 4 52 |
| T 29 | 5 2 | 9 20 | 4 16 | 0 29 | 0 35 | 10 44 | 1 2 | 19 55 | 0 40 | 22 56 | 0 42 | 22 45 | 0 29 | 9 10 | 0 48 | 2 56 | 1 36 | 27 44 | 8 5 | 23 31 | 23 30 | 9 6 | 18 25 | 4 52 |
| W30 | 5 25 | 14 38 | 3 26 | 0 3 | 0 19 | 10 20 | 1 5 | 19 59 | 0 39 | 22 56 | 0 42 | 22 45 | 0 29 | 9 11 | 0 48 | 2 57 | 1 36 | 27 44 | 8 5 | 23 32 | 23 30 | 9 9 | 18 26 | 4 52 |
| T 31 | 5n48 | 18s56 | 2n23 | 0s20 | 0n 3 | 9s56 | 1s 7 | 20s 2 | 0n37 | 22n55 | 0n42 | 22s45 | 0n29 | 9n11 | 0n48 | 2n58 | 1n36 | 27n44 | 8n 5 | 23n32 | 23n30 | 9n11 | 18n26 | 4s52 |

Julian Day Number = 2071391.5, Delta T = 27m59s
Ecliptic obliquity = 23°34'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'05, Lahiri = 9°21'05 Julian Calendar 1 March 959 == Greg. Calendar 6 March 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## APRIL 959 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 55 5 | 15♈37'02 | 19♐31 | 28°R46 | 8♓26 | 1♐51 | 19♋ 4 | 9♑35 | 8°R25 | 26°R15 | 1°R49 | 3°R22 | 4♋11 | 5♉22 | 21♊23 | F 1 |
| S 2 | 12 59 1 | 16°35'28 | 3♑28 | 28♓35 | 9°37 | 1°56 | 19° 8 | 9°37 | 8♏24 | 26♏14 | 1♎49 | 3°D21 | 4° 8 | 5°29 | 21°26 | S 2 |
| S 3 | 13 2 58 | 17°33'52 | 17° 1 | 28°28 | 10°48 | 2° 0 | 19°12 | 9°38 | 8°22 | 26°12 | 1°49 | 3°R21 | 4° 4 | 5°35 | 21°30 | S 3 |
| M 4 | 13 6 54 | 18°32'15 | 0♒11 | 28°D27 | 11°59 | 2° 4 | 19°16 | 9°39 | 8°20 | 26°11 | 1°48 | 3♋21 | 4° 1 | 5°42 | 21°33 | M 4 |
| T 5 | 13 10 51 | 19°30'36 | 13° 3 | 28°30 | 13°10 | 2° 7 | 19°21 | 9°40 | 8°18 | 26° 9 | 1°48 | 3°19 | 3°58 | 5°49 | 21°37 | T 5 |
| W 6 | 13 14 48 | 20°28'55 | 25°39 | 28°39 | 14°21 | 2° 9 | 19°26 | 9°41 | 8°16 | 26° 8 | 1°48 | 3°14 | 3°55 | 5°55 | 21°40 | W 6 |
| T 7 | 13 18 44 | 21°27'13 | 8♓ 2 | 28°52 | 15°33 | 2°11 | 19°30 | 9°42 | 8°15 | 26° 6 | 1°48 | 3° 7 | 3°52 | 6° 2 | 21°44 | T 7 |
| F 8 | 13 22 41 | 22°25'29 | 20°15 | 29°10 | 16°44 | 2°12 | 19°36 | 9°42 | 8°13 | 26° 5 | 1°48 | 2°57 | 3°48 | 6° 9 | 21°48 | F 8 |
| S 9 | 13 26 37 | 23°23'44 | 2♈21 | 29°32 | 17°55 | 2°R12 | 19°41 | 9°43 | 8°11 | 26° 4 | 1°D48 | 2°45 | 3°45 | 6°16 | 21°51 | S 9 |
| S 10 | 13 30 34 | 24°21'56 | 14°20 | 29°59 | 19° 6 | 2°11 | 19°46 | 9°43 | 8°10 | 26° 2 | 1°48 | 2°32 | 3°42 | 6°22 | 21°55 | S 10 |
| M11 | 13 34 30 | 25°20'07 | 26°15 | 0♈30 | 20°18 | 2°10 | 19°52 | 9°44 | 8° 8 | 26° 1 | 1°48 | 2°19 | 3°39 | 6°29 | 21°59 | M11 |
| T 12 | 13 38 27 | 26°18'16 | 8♉ 6 | 1° 5 | 21°29 | 2° 7 | 19°57 | 9°44 | 8° 7 | 25°59 | 1°48 | 2° 8 | 3°36 | 6°36 | 22° 3 | T 12 |
| W13 | 13 42 23 | 27°16'24 | 19°56 | 1°44 | 22°41 | 2° 5 | 20° 3 | 9°44 | 8° 6 | 25°58 | 1°48 | 1°59 | 3°33 | 6°42 | 22° 7 | W13 |
| T 14 | 13 46 20 | 28°14'29 | 1♊46 | 2°26 | 23°52 | 2° 1 | 20° 9 | 9°R44 | 8° 4 | 25°57 | 1°48 | 1°52 | 3°29 | 6°49 | 22°11 | T 14 |
| F 15 | 13 50 16 | 29°12'33 | 13°39 | 3°13 | 25° 4 | 1°56 | 20°15 | 9°44 | 8° 3 | 25°55 | 1°48 | 1°48 | 3°26 | 6°56 | 22°15 | F 15 |
| S 16 | 13 54 13 | 0♉10'35 | 25°38 | 4° 2 | 26°15 | 1°51 | 20°21 | 9°44 | 8° 1 | 25°54 | 1°49 | 1°46 | 3°23 | 7° 2 | 22°20 | S 16 |
| S 17 | 13 58 10 | 1° 8'35 | 7♋48 | 4°55 | 27°27 | 1°45 | 20°28 | 9°44 | 8° 0 | 25°53 | 1°49 | 1°D46 | 3°20 | 7° 9 | 22°24 | S 17 |
| M18 | 14 2 6 | 2° 6'33 | 20°12 | 5°51 | 28°38 | 1°38 | 20°34 | 9°44 | 7°59 | 25°51 | 1°49 | 1°47 | 3°17 | 7°16 | 22°28 | M18 |
| T 19 | 14 6 3 | 3° 4'30 | 2♌55 | 6°51 | 29°50 | 1°31 | 20°41 | 9°43 | 7°58 | 25°50 | 1°49 | 1°R47 | 3°14 | 7°23 | 22°33 | T 19 |
| W20 | 14 9 59 | 4° 2'24 | 16° 3 | 7°53 | 1♈ 1 | 1°23 | 20°48 | 9°43 | 7°57 | 25°49 | 1°50 | 1°47 | 3°10 | 7°29 | 22°37 | W20 |
| T 21 | 14 13 56 | 5° 0'17 | 29°38 | 8°58 | 2°13 | 1°14 | 20°55 | 9°42 | 7°56 | 25°48 | 1°50 | 1°44 | 3° 7 | 7°36 | 22°42 | T 21 |
| F 22 | 14 17 52 | 5°58'07 | 13♍43 | 10° 6 | 3°25 | 1° 4 | 21° 2 | 9°41 | 7°55 | 25°47 | 1°50 | 1°39 | 3° 4 | 7°43 | 22°46 | F 22 |
| S 23 | 14 21 49 | 6°55'56 | 28°15 | 11°17 | 4°37 | 0°54 | 21° 9 | 9°41 | 7°54 | 25°45 | 1°51 | 1°33 | 3° 1 | 7°49 | 22°51 | S 23 |
| S 24 | 14 25 45 | 7°53'43 | 13♎12 | 12°30 | 5°48 | 0°43 | 21°17 | 9°40 | 7°53 | 25°44 | 1°51 | 1°25 | 2°58 | 7°56 | 22°55 | S 24 |
| M25 | 14 29 42 | 8°51'28 | 28°24 | 13°46 | 7° 0 | 0°31 | 21°24 | 9°39 | 7°52 | 25°43 | 1°52 | 1°17 | 2°54 | 8° 3 | 23° 0 | M25 |
| T 26 | 14 33 39 | 9°49'12 | 13♏42 | 15° 4 | 8°12 | 0°18 | 21°32 | 9°38 | 7°51 | 25°42 | 1°52 | 1°10 | 2°51 | 8° 9 | 23° 5 | T 26 |
| W27 | 14 37 35 | 10°46'55 | 28°55 | 16°25 | 9°24 | 0° 5 | 21°39 | 9°37 | 7°50 | 25°41 | 1°52 | 1° 5 | 2°48 | 8°16 | 23° 9 | W27 |
| T 28 | 14 41 32 | 11°44'37 | 13♐53 | 17°48 | 10°35 | 29♏51 | 21°47 | 9°35 | 7°50 | 25°40 | 1°53 | 1° 2 | 2°45 | 8°23 | 23°14 | T 28 |
| F 29 | 14 45 28 | 12°42'17 | 28°29 | 19°14 | 11°47 | 29°37 | 21°55 | 9°34 | 7°49 | 25°39 | 1°53 | 1°D 1 | 2°42 | 8°30 | 23°19 | F 29 |
| S 30 | 14 49 25 | 13♉39'56 | 12♑38 | 20♈41 | 12♈59 | 29♏22 | 22♋ 3 | 9♑32 | 7♏48 | 25♏38 | 1♎54 | 1♋ 1 | 2♋39 | 8♉36 | 23♊24 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n11 | 21s57 | 1n13 | 0s41 | 0s13 | 9s32 | 1s10 | 20s 5 | 0n35 | 22n54 | 0n42 | 22s45 | 0n29 | 9n12 | 0n48 | 2n58 | 1n36 | 27n44 | 8n 5 | 23n32 | 23n30 | 9n14 | 18n27 | 4s51 |
| S 2 | 6 33 | 23 32 | 0s 1 | 1 0 | 0 28 | 9 7 | 1 12 | 20 8 | 0 33 | 22 54 | 0 42 | 22 45 | 0 29 | 9 13 | 0 48 | 2 59 | 1 36 | 27 44 | 8 5 | 23 32 | 23 31 | 9 16 | 18 27 | 4 51 |
| S 3 | 6 56 | 23 40 | 1 12 | 1 16 | 0 43 | 8 42 | 1 14 | 20 11 | 0 31 | 22 53 | 0 42 | 22 45 | 0 29 | 9 14 | 0 48 | 2 59 | 1 36 | 27 44 | 8 5 | 23 32 | 23 31 | 9 19 | 18 28 | 4 51 |
| M 4 | 7 18 | 22 27 | 2 17 | 1 30 | 0 57 | 8 17 | 1 17 | 20 13 | 0 29 | 22 53 | 0 42 | 22 45 | 0 28 | 9 14 | 0 48 | 3 0 | 1 36 | 27 43 | 8 4 | 23 32 | 23 31 | 9 22 | 18 28 | 4 51 |
| T 5 | 7 41 | 20 5 | 3 14 | 1 41 | 1 11 | 7 52 | 1 19 | 20 16 | 0 27 | 22 52 | 0 42 | 22 45 | 0 28 | 9 15 | 0 48 | 3 1 | 1 36 | 27 43 | 8 4 | 23 32 | 23 31 | 9 24 | 18 29 | 4 50 |
| W 6 | 8 3 | 16 48 | 4 0 | 1 49 | 1 24 | 7 26 | 1 21 | 20 18 | 0 25 | 22 51 | 0 42 | 22 45 | 0 28 | 9 15 | 0 48 | 3 1 | 1 36 | 27 43 | 8 4 | 23 32 | 23 31 | 9 27 | 18 29 | 4 50 |
| T 7 | 8 25 | 12 50 | 4 34 | 1 55 | 1 36 | 7 0 | 1 23 | 20 21 | 0 22 | 22 50 | 0 42 | 22 45 | 0 28 | 9 16 | 0 48 | 3 2 | 1 36 | 27 43 | 8 4 | 23 32 | 23 31 | 9 30 | 18 30 | 4 50 |
| F 8 | 8 47 | 8 23 | 4 54 | 1 58 | 1 47 | 6 34 | 1 25 | 20 23 | 0 20 | 22 50 | 0 42 | 22 45 | 0 28 | 9 17 | 0 48 | 3 2 | 1 36 | 27 43 | 8 4 | 23 32 | 23 31 | 9 32 | 18 30 | 4 49 |
| S 9 | 9 8 | 3 40 | 5 1 | 1 59 | 1 57 | 6 8 | 1 26 | 20 26 | 0 18 | 22 49 | 0 42 | 22 45 | 0 28 | 9 17 | 0 48 | 3 3 | 1 36 | 27 43 | 8 4 | 23 33 | 23 31 | 9 35 | 18 31 | 4 49 |
| S 10 | 9 30 | 1n 9 | 4 55 | 1 57 | 2 7 | 5 41 | 1 28 | 20 28 | 0 15 | 22 48 | 0 42 | 22 45 | 0 28 | 9 18 | 0 48 | 3 3 | 1 36 | 27 43 | 8 3 | 23 33 | 23 31 | 9 38 | 18 31 | 4 49 |
| M11 | 9 51 | 5 54 | 4 36 | 1 53 | 2 16 | 5 14 | 1 30 | 20 30 | 0 13 | 22 47 | 0 42 | 22 45 | 0 28 | 9 18 | 0 48 | 3 4 | 1 36 | 27 43 | 8 3 | 23 33 | 23 31 | 9 40 | 18 32 | 4 49 |
| T 12 | 10 12 | 10 25 | 4 5 | 1 46 | 2 24 | 4 47 | 1 31 | 20 32 | 0 11 | 22 46 | 0 42 | 22 45 | 0 28 | 9 19 | 0 48 | 3 4 | 1 36 | 27 42 | 8 3 | 23 33 | 23 31 | 9 43 | 18 32 | 4 49 |
| W13 | 10 34 | 14 33 | 3 23 | 1 37 | 2 31 | 4 20 | 1 33 | 20 34 | 0 8 | 22 45 | 0 42 | 22 45 | 0 28 | 9 19 | 0 48 | 3 5 | 1 36 | 27 42 | 8 3 | 23 34 | 23 32 | 9 45 | 18 33 | 4 48 |
| T 14 | 10 55 | 18 8 | 2 33 | 1 26 | 2 38 | 3 53 | 1 34 | 20 36 | 0 5 | 22 45 | 0 42 | 22 45 | 0 28 | 9 20 | 0 48 | 3 5 | 1 36 | 27 42 | 8 3 | 23 34 | 23 32 | 9 48 | 18 33 | 4 48 |
| F 15 | 11 15 | 20 59 | 1 35 | 1 13 | 2 44 | 3 26 | 1 36 | 20 37 | 0 3 | 22 44 | 0 42 | 22 45 | 0 28 | 9 20 | 0 48 | 3 6 | 1 36 | 27 42 | 8 3 | 23 34 | 23 32 | 9 51 | 18 33 | 4 48 |
| S 16 | 11 36 | 22 57 | 0 33 | 0 58 | 2 49 | 2 59 | 1 37 | 20 39 | 0 0 | 22 43 | 0 42 | 22 45 | 0 28 | 9 21 | 0 48 | 3 6 | 1 36 | 27 42 | 8 3 | 23 34 | 23 32 | 9 53 | 18 34 | 4 48 |
| S 17 | 11 56 | 23 53 | 0n32 | 0 41 | 2 53 | 2 31 | 1 38 | 20 40 | 0s 3 | 22 42 | 0 42 | 22 45 | 0 28 | 9 21 | 0 48 | 3 7 | 1 36 | 27 41 | 8 2 | 23 34 | 23 32 | 9 56 | 18 34 | 4 47 |
| M18 | 12 16 | 23 39 | 1 37 | 0 21 | 2 56 | 2 3 | 1 39 | 20 42 | 0 5 | 22 41 | 0 42 | 22 45 | 0 28 | 9 22 | 0 48 | 3 7 | 1 36 | 27 41 | 8 2 | 23 34 | 23 32 | 9 59 | 18 35 | 4 47 |
| T 19 | 12 36 | 22 11 | 2 39 | 0 1 | 2 59 | 1 36 | 1 40 | 20 43 | 0 8 | 22 40 | 0 42 | 22 45 | 0 28 | 9 22 | 0 48 | 3 8 | 1 36 | 27 41 | 8 2 | 23 34 | 23 32 | 10 1 | 18 35 | 4 47 |
| W20 | 12 56 | 19 31 | 3 34 | 0n22 | 3 1 | 1 8 | 1 41 | 20 44 | 0 11 | 22 39 | 0 42 | 22 45 | 0 28 | 9 22 | 0 48 | 3 8 | 1 36 | 27 41 | 8 2 | 23 34 | 23 32 | 10 4 | 18 36 | 4 47 |
| T 21 | 13 16 | 15 42 | 4 20 | 0 47 | 3 3 | 0 40 | 1 42 | 20 45 | 0 14 | 22 37 | 0 42 | 22 45 | 0 28 | 9 23 | 0 48 | 3 9 | 1 36 | 27 41 | 8 2 | 23 34 | 23 32 | 10 6 | 18 36 | 4 47 |
| F 22 | 13 35 | 10 55 | 4 51 | 1 13 | 3 4 | 0 12 | 1 42 | 20 46 | 0 17 | 22 36 | 0 42 | 22 45 | 0 28 | 9 23 | 0 48 | 3 9 | 1 36 | 27 40 | 8 2 | 23 34 | 23 32 | 10 9 | 18 37 | 4 46 |
| S 23 | 13 54 | 5 22 | 5 5 | 1 40 | 3 4 | 0n16 | 1 43 | 20 47 | 0 20 | 22 35 | 0 42 | 22 45 | 0 28 | 9 23 | 0 48 | 3 10 | 1 36 | 27 40 | 8 1 | 23 34 | 23 32 | 10 12 | 18 37 | 4 46 |
| S 24 | 14 13 | 0s38 | 5 0 | 2 9 | 3 3 | 0 44 | 1 44 | 20 48 | 0 23 | 22 34 | 0 42 | 22 45 | 0 28 | 9 24 | 0 48 | 3 10 | 1 36 | 27 40 | 8 1 | 23 34 | 23 32 | 10 14 | 18 37 | 4 46 |
| M25 | 14 32 | 6 43 | 4 33 | 2 40 | 3 2 | 1 12 | 1 44 | 20 48 | 0 26 | 22 33 | 0 42 | 22 46 | 0 28 | 9 24 | 0 47 | 3 11 | 1 36 | 27 40 | 8 1 | 23 34 | 23 33 | 10 17 | 18 38 | 4 46 |
| T 26 | 14 50 | 12 27 | 3 46 | 3 12 | 3 0 | 1 40 | 1 45 | 20 49 | 0 29 | 22 32 | 0 42 | 22 46 | 0 28 | 9 24 | 0 47 | 3 11 | 1 36 | 27 39 | 8 1 | 23 34 | 23 33 | 10 20 | 18 38 | 4 46 |
| W27 | 15 9 | 17 22 | 2 44 | 3 45 | 2 57 | 2 8 | 1 45 | 20 49 | 0 33 | 22 30 | 0 42 | 22 46 | 0 28 | 9 25 | 0 47 | 3 11 | 1 36 | 27 39 | 8 1 | 23 34 | 23 33 | 10 22 | 18 39 | 4 45 |
| T 28 | 15 27 | 21 5 | 1 31 | 4 20 | 2 54 | 2 36 | 1 45 | 20 49 | 0 36 | 22 29 | 0 42 | 22 46 | 0 28 | 9 25 | 0 47 | 3 12 | 1 36 | 27 39 | 8 1 | 23 34 | 23 33 | 10 25 | 18 39 | 4 45 |
| F 29 | 15 44 | 23 20 | 0 14 | 4 56 | 2 51 | 3 4 | 1 45 | 20 49 | 0 39 | 22 28 | 0 42 | 22 46 | 0 28 | 9 25 | 0 47 | 3 12 | 1 36 | 27 39 | 8 1 | 23 34 | 23 33 | 10 27 | 18 40 | 4 45 |
| S 30 | 16n 2 | 24s 0 | 1s 2 | 5n33 | 2s46 | 3n32 | 1s45 | 20s49 | 0s43 | 22n26 | 0n42 | 22s46 | 0n28 | 9n25 | 0n47 | 3n12 | 1n36 | 27n38 | 8n 0 | 23n34 | 23n33 | 10n30 | 18n40 | 4s45 |

Julian Day Number = 2071422.5, Delta T = 27m58s
Ecliptic obliquity = 23°34'26, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'09, Lahiri = 9°21'09 Julian Calendar 1 Apr. 959 == Greg. Calendar 6 Apr. 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## MAY 959 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 53 21 | 14♉37'34 | 26♑20 | 22♈12 | 14♈11 | 29°R 6 | 22♋12 | 9°R31 | 7°R48 | 25°R37 | 1♌55 | 1♋ 2 | 2♋35 | 8♉43 | 23♊29 | S 1 |
| M 2 | 14 57 18 | 15°35'11 | 9♒35 | 23°44 | 15°23 | 28♏50 | 22°20 | 9♑29 | 7♍47 | 25♍36 | 1°55 | 1°R 3 | 2°32 | 8°50 | 23°34 | M 2 |
| T 3 | 15 1 14 | 16°32'47 | 22°28 | 25°19 | 16°35 | 28°33 | 22°28 | 9°28 | 7°47 | 25°35 | 1°56 | 1° 3 | 2°29 | 8°56 | 23°39 | T 3 |
| W 4 | 15 5 11 | 17°30'22 | 5♓ 2 | 26°57 | 17°47 | 28°16 | 22°37 | 9°26 | 7°47 | 25°34 | 1°57 | 1° 1 | 2°26 | 9° 3 | 23°44 | W 4 |
| T 5 | 15 9 8 | 18°27'56 | 17°20 | 28°36 | 18°59 | 27°58 | 22°46 | 9°24 | 7°46 | 25°33 | 1°57 | 0°58 | 2°23 | 9°10 | 23°49 | T 5 |
| F 6 | 15 13 4 | 19°25'28 | 29°27 | 0♉18 | 20°11 | 27°40 | 22°55 | 9°22 | 7°46 | 25°33 | 1°58 | 0°53 | 2°20 | 9°16 | 23°54 | F 6 |
| S 7 | 15 17 1 | 20°23'00 | 11♈25 | 2° 2 | 21°23 | 27°22 | 23° 3 | 9°20 | 7°46 | 25°32 | 1°59 | 0°46 | 2°16 | 9°23 | 24° 0 | S 7 |
| S 8 | 15 20 57 | 21°20'31 | 23°19 | 3°49 | 22°35 | 27° 3 | 23°12 | 9°18 | 7°45 | 25°31 | 1°59 | 0°39 | 2°13 | 9°30 | 24° 5 | S 8 |
| M 9 | 15 24 54 | 22°18'01 | 5♉10 | 5°37 | 23°47 | 26°44 | 23°22 | 9°15 | 7°45 | 25°30 | 2° 0 | 0°32 | 2°10 | 9°36 | 24°10 | M 9 |
| T 10 | 15 28 50 | 23°15'30 | 17° 0 | 7°28 | 24°59 | 26°24 | 23°31 | 9°13 | 7°45 | 25°30 | 2° 1 | 0°25 | 2° 7 | 9°43 | 24°16 | T 10 |
| W11 | 15 32 47 | 24°12'58 | 28°51 | 9°21 | 26°11 | 26° 4 | 23°40 | 9°11 | 7°D45 | 25°29 | 2° 2 | 0°20 | 2° 4 | 9°50 | 24°21 | W11 |
| T 12 | 15 36 43 | 25°10'26 | 10♊45 | 11°17 | 27°24 | 25°44 | 23°50 | 9° 8 | 7°45 | 25°28 | 2° 3 | 0°17 | 2° 0 | 9°57 | 24°26 | T 12 |
| F 13 | 15 40 40 | 26° 7'51 | 22°44 | 13°14 | 28°36 | 25°24 | 23°59 | 9° 6 | 7°45 | 25°28 | 2° 4 | 0°15 | 1°57 | 10° 3 | 24°32 | F 13 |
| S 14 | 15 44 37 | 27° 5'16 | 4♋51 | 15°14 | 29°48 | 25° 4 | 24° 9 | 9° 3 | 7°45 | 25°27 | 2° 5 | 0°D15 | 1°54 | 10°10 | 24°37 | S 14 |
| S 15 | 15 48 33 | 28° 2'40 | 17° 8 | 17°15 | 1♉ 0 | 24°44 | 24°19 | 9° 0 | 7°46 | 25°26 | 2° 6 | 0°16 | 1°51 | 10°17 | 24°43 | S 15 |
| M16 | 15 52 30 | 29° 0'03 | 29°39 | 19°19 | 2°13 | 24°24 | 24°28 | 8°58 | 7°46 | 25°26 | 2° 6 | 0°17 | 1°48 | 10°23 | 24°48 | M16 |
| T 17 | 15 56 26 | 29°57'25 | 12♌26 | 21°24 | 3°25 | 24° 4 | 24°38 | 8°55 | 7°46 | 25°25 | 2° 7 | 0°19 | 1°45 | 10°30 | 24°54 | T 17 |
| W18 | 16 0 23 | 0♊54'45 | 25°34 | 23°30 | 4°37 | 23°44 | 24°48 | 8°52 | 7°46 | 25°25 | 2° 8 | 0°R20 | 1°41 | 10°37 | 24°59 | W18 |
| T 19 | 16 4 19 | 1°52'04 | 9♍ 4 | 25°39 | 5°49 | 23°24 | 24°59 | 8°49 | 7°47 | 25°24 | 2°10 | 0°20 | 1°38 | 10°43 | 25° 5 | T 19 |
| F 20 | 16 8 16 | 2°49'22 | 23° 0 | 27°48 | 7° 2 | 23° 4 | 25° 9 | 8°46 | 7°47 | 25°24 | 2°11 | 0°19 | 1°35 | 10°50 | 25°10 | F 20 |
| S 21 | 16 12 12 | 3°46'39 | 7♎20 | 29°59 | 8°14 | 22°45 | 25°19 | 8°42 | 7°48 | 25°24 | 2°12 | 0°16 | 1°32 | 10°57 | 25°16 | S 21 |
| S 22 | 16 16 9 | 4°43'55 | 22° 1 | 2♊10 | 9°26 | 22°26 | 25°29 | 8°39 | 7°48 | 25°23 | 2°13 | 0°13 | 1°29 | 11° 3 | 25°22 | S 22 |
| M23 | 16 20 6 | 5°41'11 | 7♏ 0 | 4°21 | 10°39 | 22° 7 | 25°40 | 8°36 | 7°49 | 25°23 | 2°14 | 0°10 | 1°25 | 11°10 | 25°27 | M23 |
| T 24 | 16 24 2 | 6°38'25 | 22° 7 | 6°33 | 11°51 | 21°48 | 25°50 | 8°33 | 7°50 | 25°23 | 2°15 | 0° 7 | 1°22 | 11°17 | 25°33 | T 24 |
| W25 | 16 27 59 | 7°35'39 | 7♐13 | 8°45 | 13° 4 | 21°30 | 26° 1 | 8°29 | 7°50 | 25°22 | 2°16 | 0° 5 | 1°19 | 11°24 | 25°39 | W25 |
| T 26 | 16 31 55 | 8°32'52 | 22° 9 | 10°56 | 14°16 | 21°13 | 26°12 | 8°26 | 7°51 | 25°22 | 2°17 | 0° 4 | 1°16 | 11°30 | 25°45 | T 26 |
| F 27 | 16 35 52 | 9°30'05 | 6♑48 | 13° 7 | 15°28 | 20°55 | 26°22 | 8°22 | 7°52 | 25°22 | 2°19 | 0°D 4 | 1°13 | 11°37 | 25°51 | F 27 |
| S 28 | 16 39 48 | 10°27'17 | 21° 4 | 15°17 | 16°41 | 20°39 | 26°33 | 8°19 | 7°53 | 25°22 | 2°20 | 0° 4 | 1°10 | 11°44 | 25°56 | S 28 |
| S 29 | 16 43 45 | 11°24'29 | 4♒53 | 17°26 | 17°54 | 20°23 | 26°44 | 8°15 | 7°54 | 25°22 | 2°21 | 0° 6 | 1° 6 | 11°50 | 26° 2 | S 29 |
| M30 | 16 47 42 | 12°21'41 | 18°16 | 19°34 | 19° 6 | 20° 7 | 26°55 | 8°11 | 7°55 | 25°22 | 2°22 | 0° 7 | 1° 3 | 11°57 | 26° 8 | M30 |
| T 31 | 16 51 38 | 13♊18'52 | 1♓14 | 21♊40 | 20♉19 | 19♏52 | 27♋ 6 | 8♑ 7 | 7♍56 | 25♍22 | 2♌24 | 0♋ 8 | 1♋ 0 | 12♉ 4 | 26♊14 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n19 | 23s10 | 2s12 | 6n11 | 2s42 | 4n 0 | 1s45 | 20s49 | 0s46 | 22n25 | 0n42 | 22s46 | 0n27 | 9n25 | 0n47 | 3n13 | 1n36 | 27n38 | 8n 0 | 23n34 | 23n33 | 10n33 | 18n40 | 4s45 |
| M 2 | 16 36 | 21 3 | 3 13 | 6 51 | 2 36 | 4 28 | 1 45 | 20 49 | 0 49 | 22 24 | 0 41 | 22 47 | 0 27 | 9 25 | 0 47 | 3 13 | 1 36 | 27 38 | 8 0 | 23 34 | 23 33 | 10 35 | 18 41 | 4 45 |
| T 3 | 16 53 | 17 55 | 4 2 | 7 31 | 2 30 | 4 56 | 1 45 | 20 48 | 0 53 | 22 22 | 0 41 | 22 47 | 0 27 | 9 26 | 0 47 | 3 14 | 1 36 | 27 37 | 8 0 | 23 34 | 23 33 | 10 38 | 18 41 | 4 44 |
| W 4 | 17 9 | 14 2 | 4 38 | 8 12 | 2 24 | 5 24 | 1 45 | 20 48 | 0 56 | 22 21 | 0 41 | 22 47 | 0 27 | 9 26 | 0 47 | 3 14 | 1 36 | 27 37 | 8 0 | 23 34 | 23 33 | 10 40 | 18 41 | 4 44 |
| T 5 | 17 25 | 9 38 | 5 1 | 8 54 | 2 17 | 5 52 | 1 45 | 20 47 | 0 59 | 22 19 | 0 41 | 22 47 | 0 27 | 9 26 | 0 47 | 3 14 | 1 36 | 27 37 | 8 0 | 23 34 | 23 33 | 10 43 | 18 42 | 4 44 |
| F 6 | 17 41 | 4 56 | 5 9 | 9 37 | 2 10 | 6 19 | 1 44 | 20 46 | 1 3 | 22 18 | 0 41 | 22 47 | 0 27 | 9 26 | 0 47 | 3 14 | 1 36 | 27 37 | 8 0 | 23 34 | 23 33 | 10 46 | 18 42 | 4 44 |
| S 7 | 17 57 | 0 7 | 5 4 | 10 21 | 2 2 | 6 47 | 1 44 | 20 45 | 1 6 | 22 16 | 0 41 | 22 47 | 0 27 | 9 26 | 0 47 | 3 15 | 1 36 | 27 36 | 7 59 | 23 34 | 23 33 | 10 48 | 18 43 | 4 44 |
| S 8 | 18 12 | 4n41 | 4 46 | 11 5 | 1 53 | 7 14 | 1 43 | 20 44 | 1 10 | 22 15 | 0 41 | 22 48 | 0 27 | 9 26 | 0 47 | 3 15 | 1 35 | 27 36 | 7 59 | 23 34 | 23 33 | 10 51 | 18 43 | 4 44 |
| M 9 | 18 27 | 9 18 | 4 15 | 11 50 | 1 45 | 7 42 | 1 43 | 20 43 | 1 13 | 22 13 | 0 41 | 22 48 | 0 27 | 9 26 | 0 47 | 3 15 | 1 35 | 27 36 | 7 59 | 23 34 | 23 33 | 10 54 | 18 43 | 4 44 |
| T 10 | 18 42 | 13 35 | 3 34 | 12 35 | 1 35 | 8 9 | 1 42 | 20 42 | 1 17 | 22 12 | 0 41 | 22 48 | 0 27 | 9 26 | 0 47 | 3 16 | 1 35 | 27 35 | 7 59 | 23 34 | 23 33 | 10 56 | 18 44 | 4 44 |
| W11 | 18 56 | 17 22 | 2 43 | 13 20 | 1 26 | 8 36 | 1 41 | 20 41 | 1 20 | 22 10 | 0 41 | 22 48 | 0 27 | 9 26 | 0 47 | 3 16 | 1 35 | 27 35 | 7 59 | 23 34 | 23 33 | 10 59 | 18 44 | 4 43 |
| T 12 | 19 10 | 20 28 | 1 44 | 14 6 | 1 16 | 9 2 | 1 40 | 20 39 | 1 24 | 22 8 | 0 41 | 22 49 | 0 27 | 9 26 | 0 47 | 3 16 | 1 35 | 27 35 | 7 59 | 23 34 | 23 34 | 11 1 | 18 44 | 4 43 |
| F 13 | 19 24 | 22 42 | 0 41 | 14 51 | 1 6 | 9 29 | 1 40 | 20 38 | 1 27 | 22 7 | 0 41 | 22 49 | 0 27 | 9 26 | 0 47 | 3 16 | 1 35 | 27 34 | 7 59 | 23 34 | 23 34 | 11 4 | 18 45 | 4 43 |
| S 14 | 19 37 | 23 54 | 0n25 | 15 37 | 0 55 | 9 56 | 1 39 | 20 36 | 1 30 | 22 5 | 0 41 | 22 49 | 0 27 | 9 26 | 0 47 | 3 16 | 1 35 | 27 34 | 7 59 | 23 34 | 23 34 | 11 7 | 18 45 | 4 43 |
| S 15 | 19 50 | 23 58 | 1 31 | 16 22 | 0 45 | 10 22 | 1 38 | 20 34 | 1 34 | 22 3 | 0 41 | 22 49 | 0 27 | 9 26 | 0 47 | 3 17 | 1 35 | 27 34 | 7 58 | 23 34 | 23 34 | 11 9 | 18 45 | 4 43 |
| M16 | 20 3 | 22 51 | 2 34 | 17 6 | 0 34 | 10 48 | 1 37 | 20 33 | 1 37 | 22 1 | 0 41 | 22 49 | 0 27 | 9 25 | 0 47 | 3 17 | 1 35 | 27 33 | 7 58 | 23 34 | 23 34 | 11 12 | 18 45 | 4 43 |
| T 17 | 20 15 | 20 32 | 3 31 | 17 50 | 0 23 | 11 14 | 1 35 | 20 31 | 1 40 | 22 0 | 0 41 | 22 50 | 0 27 | 9 25 | 0 47 | 3 17 | 1 35 | 27 33 | 7 58 | 23 34 | 23 34 | 11 14 | 18 46 | 4 43 |
| W18 | 20 27 | 17 7 | 4 18 | 18 33 | 0 12 | 11 39 | 1 34 | 20 29 | 1 44 | 21 58 | 0 41 | 22 50 | 0 27 | 9 25 | 0 47 | 3 17 | 1 35 | 27 33 | 7 58 | 23 34 | 23 34 | 11 17 | 18 46 | 4 43 |
| T 19 | 20 39 | 12 43 | 4 53 | 19 15 | 0 2 | 12 5 | 1 33 | 20 27 | 1 47 | 21 56 | 0 41 | 22 50 | 0 27 | 9 25 | 0 46 | 3 17 | 1 35 | 27 32 | 7 58 | 23 34 | 23 34 | 11 20 | 18 46 | 4 43 |
| F 20 | 20 50 | 7 33 | 5 11 | 19 56 | 0n 9 | 12 30 | 1 32 | 20 25 | 1 50 | 21 54 | 0 41 | 22 50 | 0 27 | 9 25 | 0 46 | 3 17 | 1 35 | 27 32 | 7 58 | 23 34 | 23 34 | 11 22 | 18 47 | 4 43 |
| S 21 | 21 2 | 1 50 | 5 11 | 20 35 | 0 20 | 12 54 | 1 30 | 20 23 | 1 53 | 21 52 | 0 41 | 22 51 | 0 26 | 9 25 | 0 46 | 3 17 | 1 35 | 27 31 | 7 58 | 23 34 | 23 34 | 11 25 | 18 47 | 4 43 |
| S 22 | 21 12 | 4s 7 | 4 52 | 21 12 | 0 30 | 13 19 | 1 29 | 20 21 | 1 56 | 21 50 | 0 41 | 22 51 | 0 26 | 9 24 | 0 46 | 3 18 | 1 35 | 27 31 | 7 58 | 23 34 | 23 34 | 11 27 | 18 47 | 4 43 |
| M23 | 21 22 | 9 58 | 4 12 | 21 47 | 0 40 | 13 43 | 1 27 | 20 19 | 1 59 | 21 48 | 0 41 | 22 51 | 0 26 | 9 24 | 0 46 | 3 18 | 1 35 | 27 31 | 7 57 | 23 34 | 23 34 | 11 30 | 18 47 | 4 43 |
| T 24 | 21 32 | 15 17 | 3 14 | 22 20 | 0 49 | 14 7 | 1 26 | 20 17 | 2 2 | 21 46 | 0 41 | 22 52 | 0 26 | 9 24 | 0 46 | 3 18 | 1 35 | 27 30 | 7 57 | 23 34 | 23 34 | 11 32 | 18 48 | 4 43 |
| W25 | 21 42 | 19 37 | 2 3 | 22 51 | 0 58 | 14 31 | 1 24 | 20 15 | 2 5 | 21 44 | 0 41 | 22 52 | 0 26 | 9 23 | 0 46 | 3 18 | 1 35 | 27 30 | 7 57 | 23 34 | 23 34 | 11 35 | 18 48 | 4 43 |
| T 26 | 21 51 | 22 37 | 0 43 | 23 19 | 1 7 | 14 54 | 1 23 | 20 13 | 2 8 | 21 42 | 0 41 | 22 52 | 0 26 | 9 23 | 0 46 | 3 18 | 1 35 | 27 30 | 7 57 | 23 34 | 23 34 | 11 38 | 18 48 | 4 43 |
| F 27 | 22 0 | 24 1 | 0s37 | 23 44 | 1 15 | 15 17 | 1 21 | 20 11 | 2 11 | 21 40 | 0 41 | 22 52 | 0 26 | 9 23 | 0 46 | 3 18 | 1 35 | 27 29 | 7 57 | 23 34 | 23 34 | 11 40 | 18 48 | 4 42 |
| S 28 | 22 8 | 23 47 | 1 53 | 24 7 | 1 22 | 15 39 | 1 19 | 20 10 | 2 14 | 21 38 | 0 41 | 22 53 | 0 26 | 9 22 | 0 46 | 3 18 | 1 35 | 27 29 | 7 57 | 23 34 | 23 34 | 11 43 | 18 48 | 4 42 |
| S 29 | 22 17 | 22 4 | 3 1 | 24 27 | 1 29 | 16 1 | 1 17 | 20 8 | 2 16 | 21 36 | 0 41 | 22 53 | 0 26 | 9 22 | 0 46 | 3 18 | 1 35 | 27 28 | 7 57 | 23 34 | 23 34 | 11 45 | 18 49 | 4 42 |
| M30 | 22 24 | 19 10 | 3 56 | 24 45 | 1 35 | 16 23 | 1 15 | 20 6 | 2 19 | 21 34 | 0 41 | 22 53 | 0 26 | 9 22 | 0 46 | 3 18 | 1 35 | 27 28 | 7 57 | 23 34 | 23 34 | 11 48 | 18 49 | 4 42 |
| T 31 | 22n32 | 15s24 | 4s37 | 24n59 | 1n41 | 16n45 | 1s13 | 20s 4 | 2s21 | 21n32 | 0n41 | 22s54 | 0n26 | 9n21 | 0n46 | 3n18 | 1n35 | 27n28 | 7n57 | 23n34 | 23n34 | 11n51 | 18n49 | 4s42 |

Julian Day Number = 2071452.5, Delta T = 27m58s
Ecliptic obliquity = 23°34'26, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'13, Lahiri = 9°21'13 Julian Calendar 1 May 959 == Greg. Calendar 6 May 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## JUNE 959 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 55 35 | 14♊16'04 | 13♓50 | 23♊45 | 21♉31 | 19°R38 | 27♋18 | 8°R 4 | 7♍57 | 25°R21 | 2♌25 | 0°R 8 | 0♋57 | 12♉10 | 26♊20 | W 1 |
| T 2 | 16 59 31 | 15°13'15 | 26° 9 | 25°47 | 22°44 | 19♏24 | 27°29 | 8♂ 0 | 7°58 | 25°D21 | 2°26 | 0♋ 8 | 0°54 | 12°17 | 26°26 | T 2 |
| F 3 | 17 3 28 | 16°10'26 | 8♈15 | 27°49 | 23°56 | 19°11 | 27°40 | 7°56 | 7°59 | 25♍21 | 2°28 | 0° 7 | 0°51 | 12°24 | 26°31 | F 3 |
| S 4 | 17 7 24 | 17° 7'37 | 20°11 | 29°48 | 25° 9 | 18°59 | 27°51 | 7°52 | 8° 0 | 25°22 | 2°29 | 0° 6 | 0°47 | 12°30 | 26°37 | S 4 |
| S 5 | 17 11 21 | 18° 4'48 | 2♉ 3 | 1♋45 | 26°22 | 18°47 | 28° 3 | 7°48 | 8° 2 | 25°22 | 2°30 | 0° 4 | 0°44 | 12°37 | 26°43 | S 5 |
| M 6 | 17 15 17 | 19° 1'59 | 13°52 | 3°40 | 27°35 | 18°36 | 28°14 | 7°44 | 8° 3 | 25°22 | 2°32 | 0° 2 | 0°41 | 12°44 | 26°49 | M 6 |
| T 7 | 17 19 14 | 19°59'10 | 25°44 | 5°33 | 28°47 | 18°26 | 28°26 | 7°40 | 8° 4 | 25°22 | 2°33 | 0° 1 | 0°38 | 12°51 | 26°55 | T 7 |
| W 8 | 17 23 11 | 20°56'21 | 7♊39 | 7°24 | 0♊ 0 | 18°17 | 28°37 | 7°36 | 8° 6 | 25°22 | 2°35 | 29♊59 | 0°35 | 12°57 | 27° 1 | W 8 |
| T 9 | 17 27 7 | 21°53'32 | 19°41 | 9°13 | 1°13 | 18° 9 | 28°49 | 7°31 | 8° 7 | 25°22 | 2°36 | 29°59 | 0°31 | 13° 4 | 27° 7 | T 9 |
| F 10 | 17 31 4 | 22°50'43 | 1♋51 | 11° 0 | 2°26 | 18° 1 | 29° 1 | 7°27 | 8° 9 | 25°23 | 2°38 | 29°D59 | 0°28 | 13°11 | 27°13 | F 10 |
| S 11 | 17 35 0 | 23°47'54 | 14°12 | 12°44 | 3°39 | 17°54 | 29°13 | 7°23 | 8°10 | 25°23 | 2°39 | 29°59 | 0°25 | 13°17 | 27°19 | S 11 |
| S 12 | 17 38 57 | 24°45'04 | 26°44 | 14°27 | 4°51 | 17°48 | 29°25 | 7°19 | 8°12 | 25°23 | 2°41 | 29°59 | 0°22 | 13°24 | 27°25 | S 12 |
| M13 | 17 42 53 | 25°42'15 | 9♌29 | 16° 7 | 6° 4 | 17°43 | 29°36 | 7°15 | 8°14 | 25°24 | 2°42 | 0♋ 0 | 0°19 | 13°31 | 27°31 | M13 |
| T 14 | 17 46 50 | 26°39'25 | 22°29 | 17°45 | 7°17 | 17°39 | 29°48 | 7°10 | 8°15 | 25°24 | 2°44 | 0° 0 | 0°16 | 13°37 | 27°37 | T 14 |
| W15 | 17 50 46 | 27°36'35 | 5♍45 | 19°21 | 8°30 | 17°36 | 0♌ 0 | 7° 6 | 8°17 | 25°24 | 2°45 | 0° 1 | 0°12 | 13°44 | 27°43 | W15 |
| T 16 | 17 54 43 | 28°33'45 | 19°18 | 20°55 | 9°43 | 17°33 | 0°13 | 7° 2 | 8°19 | 25°25 | 2°47 | 0° 1 | 0° 9 | 13°51 | 27°49 | T 16 |
| F 17 | 17 58 40 | 29°30'54 | 3♎10 | 22°27 | 10°56 | 17°31 | 0°25 | 6°57 | 8°21 | 25°25 | 2°48 | 0° 1 | 0° 6 | 13°57 | 27°55 | F 17 |
| S 18 | 18 2 36 | 0♋28'04 | 17°19 | 23°56 | 12° 9 | 17°D31 | 0°37 | 6°53 | 8°23 | 25°26 | 2°50 | 0° 1 | 0° 3 | 14° 4 | 28° 1 | S 18 |
| S 19 | 18 6 33 | 1°25'13 | 1♏43 | 25°23 | 13°22 | 17°31 | 0°49 | 6°48 | 8°25 | 25°26 | 2°51 | 0° 1 | 29♊59 | 14°11 | 28° 7 | S 19 |
| M20 | 18 10 29 | 2°22'22 | 16°20 | 26°48 | 14°35 | 17°31 | 1° 1 | 6°44 | 8°27 | 25°27 | 2°53 | 0° 1 | 29°57 | 14°17 | 28°13 | M20 |
| T 21 | 18 14 26 | 3°19'31 | 1♐ 5 | 28°11 | 15°48 | 17°33 | 1°14 | 6°40 | 8°29 | 25°27 | 2°55 | 0° 1 | 29°53 | 14°24 | 28°19 | T 21 |
| W22 | 18 18 22 | 4°16'41 | 15°51 | 29°32 | 17° 1 | 17°36 | 1°26 | 6°35 | 8°31 | 25°28 | 2°56 | 0° 2 | 29°50 | 14°31 | 28°25 | W22 |
| T 23 | 18 22 19 | 5°13'51 | 0♑32 | 0♌50 | 18°14 | 17°39 | 1°38 | 6°31 | 8°33 | 25°29 | 2°58 | 0°R 2 | 29°47 | 14°38 | 28°31 | T 23 |
| F 24 | 18 26 15 | 6°11'01 | 15° 0 | 2° 6 | 19°28 | 17°43 | 1°51 | 6°26 | 8°35 | 25°29 | 3° 0 | 0° 2 | 29°44 | 14°44 | 28°37 | F 24 |
| S 25 | 18 30 12 | 7° 8'11 | 29°11 | 3°19 | 20°41 | 17°48 | 2° 3 | 6°22 | 8°37 | 25°30 | 3° 1 | 0° 1 | 29°41 | 14°51 | 28°43 | S 25 |
| S 26 | 18 34 9 | 8° 5'22 | 13♒ 0 | 4°30 | 21°54 | 17°54 | 2°16 | 6°17 | 8°40 | 25°31 | 3° 3 | 0° 0 | 29°37 | 14°58 | 28°49 | S 26 |
| M27 | 18 38 5 | 9° 2'34 | 26°25 | 5°38 | 23° 7 | 18° 0 | 2°28 | 6°13 | 8°42 | 25°32 | 3° 5 | 29♊59 | 29°34 | 15° 4 | 28°55 | M27 |
| T 28 | 18 42 2 | 9°59'46 | 9♓27 | 6°43 | 24°21 | 18° 7 | 2°41 | 6° 9 | 8°44 | 25°33 | 3° 6 | 29°58 | 29°31 | 15°11 | 29° 1 | T 28 |
| W29 | 18 45 58 | 10°56'59 | 22° 7 | 7°46 | 25°34 | 18°15 | 2°53 | 6° 4 | 8°47 | 25°33 | 3° 8 | 29°57 | 29°28 | 15°18 | 29° 7 | W29 |
| T 30 | 18 49 55 | 11♋54'13 | 4♈28 | 8♌46 | 26♊47 | 18♏24 | 3♌ 6 | 6♂ 0 | 8♍49 | 25♍34 | 3♌10 | 29♊57 | 29♊25 | 15♉24 | 29♊13 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n38 | 11s 3 | 5s 3 | 25n11 | 1n45 | 17n 6 | 1s12 | 20s 3 | 2s24 | 21n30 | 0n41 | 22s54 | 0n26 | 9n21 | 0n46 | 3n18 | 1n34 | 27n27 | 7n56 | 23n34 | 23n34 | 11n53 | 18n49 | 4s42 |
| T 2 | 22 45 | 6 21 | 5 15 | 25 20 | 1 49 | 17 26 | 1 10 | 20 1 | 2 26 | 21 27 | 0 41 | 22 54 | 0 26 | 9 20 | 0 46 | 3 18 | 1 34 | 27 27 | 7 56 | 23 34 | 23 34 | 11 56 | 18 49 | 4 42 |
| F 3 | 22 51 | 1 30 | 5 13 | 25 26 | 1 52 | 17 46 | 1 8 | 20 0 | 2 29 | 21 25 | 0 41 | 22 55 | 0 26 | 9 20 | 0 46 | 3 18 | 1 34 | 27 26 | 7 56 | 23 34 | 23 34 | 11 58 | 18 49 | 4 42 |
| S 4 | 22 57 | 3n21 | 4 57 | 25 29 | 1 55 | 18 6 | 1 5 | 19 59 | 2 31 | 21 23 | 0 41 | 22 55 | 0 26 | 9 19 | 0 46 | 3 18 | 1 34 | 27 26 | 7 56 | 23 34 | 23 34 | 12 1 | 18 49 | 4 42 |
| S 5 | 23 2 | 8 3 | 4 28 | 25 30 | 1 57 | 18 25 | 1 3 | 19 58 | 2 33 | 21 21 | 0 41 | 22 55 | 0 25 | 9 19 | 0 46 | 3 18 | 1 34 | 27 26 | 7 56 | 23 34 | 23 34 | 12 3 | 18 50 | 4 43 |
| M 6 | 23 7 | 12 27 | 3 48 | 25 29 | 1 58 | 18 44 | 1 1 | 19 57 | 2 35 | 21 18 | 0 41 | 22 55 | 0 25 | 9 18 | 0 46 | 3 18 | 1 34 | 27 25 | 7 56 | 23 34 | 23 34 | 12 6 | 18 50 | 4 43 |
| T 7 | 23 12 | 16 24 | 2 59 | 25 25 | 1 58 | 19 2 | 0 59 | 19 56 | 2 37 | 21 16 | 0 41 | 22 56 | 0 25 | 9 18 | 0 46 | 3 17 | 1 34 | 27 25 | 7 56 | 23 34 | 23 34 | 12 9 | 18 50 | 4 43 |
| W 8 | 23 16 | 19 44 | 2 1 | 25 19 | 1 58 | 19 20 | 0 57 | 19 55 | 2 39 | 21 14 | 0 41 | 22 56 | 0 25 | 9 17 | 0 46 | 3 17 | 1 34 | 27 24 | 7 56 | 23 34 | 23 34 | 12 11 | 18 50 | 4 43 |
| T 9 | 23 19 | 22 14 | 0 57 | 25 11 | 1 57 | 19 38 | 0 55 | 19 54 | 2 41 | 21 11 | 0 41 | 22 56 | 0 25 | 9 17 | 0 46 | 3 17 | 1 34 | 27 24 | 7 56 | 23 34 | 23 34 | 12 14 | 18 50 | 4 43 |
| F 10 | 23 23 | 23 44 | 0n10 | 25 2 | 1 55 | 19 55 | 0 52 | 19 54 | 2 43 | 21 9 | 0 41 | 22 57 | 0 25 | 9 16 | 0 46 | 3 17 | 1 34 | 27 23 | 7 56 | 23 34 | 23 34 | 12 16 | 18 50 | 4 43 |
| S 11 | 23 26 | 24 6 | 1 18 | 24 50 | 1 53 | 20 11 | 0 50 | 19 54 | 2 45 | 21 6 | 0 42 | 22 57 | 0 25 | 9 15 | 0 46 | 3 17 | 1 34 | 27 23 | 7 56 | 23 34 | 23 34 | 12 19 | 18 50 | 4 43 |
| S 12 | 23 28 | 23 16 | 2 23 | 24 36 | 1 50 | 20 27 | 0 48 | 19 54 | 2 46 | 21 4 | 0 42 | 22 57 | 0 25 | 9 15 | 0 45 | 3 17 | 1 34 | 27 23 | 7 56 | 23 34 | 23 34 | 12 21 | 18 50 | 4 43 |
| M13 | 23 30 | 21 13 | 3 22 | 24 21 | 1 46 | 20 42 | 0 45 | 19 54 | 2 48 | 21 1 | 0 42 | 22 58 | 0 25 | 9 14 | 0 45 | 3 17 | 1 34 | 27 22 | 7 56 | 23 34 | 23 34 | 12 24 | 18 50 | 4 43 |
| T 14 | 23 32 | 18 4 | 4 12 | 24 4 | 1 42 | 20 57 | 0 43 | 19 54 | 2 49 | 20 59 | 0 42 | 22 58 | 0 25 | 9 13 | 0 45 | 3 16 | 1 34 | 27 22 | 7 56 | 23 34 | 23 34 | 12 27 | 18 50 | 4 43 |
| W15 | 23 33 | 13 56 | 4 49 | 23 46 | 1 37 | 21 11 | 0 41 | 19 54 | 2 51 | 20 56 | 0 42 | 22 58 | 0 25 | 9 13 | 0 45 | 3 16 | 1 34 | 27 21 | 7 55 | 23 34 | 23 34 | 12 29 | 18 50 | 4 43 |
| T 16 | 23 34 | 9 2 | 5 12 | 23 27 | 1 32 | 21 24 | 0 38 | 19 55 | 2 52 | 20 54 | 0 42 | 22 59 | 0 25 | 9 12 | 0 45 | 3 16 | 1 34 | 27 21 | 7 55 | 23 34 | 23 34 | 12 32 | 18 50 | 4 43 |
| F 17 | 23 34 | 3 35 | 5 17 | 23 7 | 1 26 | 21 37 | 0 36 | 19 56 | 2 54 | 20 51 | 0 42 | 22 59 | 0 25 | 9 11 | 0 45 | 3 16 | 1 34 | 27 20 | 7 55 | 23 34 | 23 34 | 12 34 | 18 50 | 4 43 |
| S 18 | 23 34 | 2s10 | 5 3 | 22 45 | 1 20 | 21 50 | 0 33 | 19 57 | 2 55 | 20 49 | 0 42 | 22 59 | 0 24 | 9 10 | 0 45 | 3 15 | 1 34 | 27 20 | 7 55 | 23 34 | 23 34 | 12 37 | 18 50 | 4 43 |
| S 19 | 23 34 | 7 55 | 4 30 | 22 22 | 1 13 | 22 1 | 0 31 | 19 58 | 2 56 | 20 46 | 0 42 | 23 0 | 0 24 | 9 10 | 0 45 | 3 15 | 1 34 | 27 20 | 7 55 | 23 34 | 23 34 | 12 39 | 18 50 | 4 43 |
| M20 | 23 33 | 13 19 | 3 39 | 21 59 | 1 6 | 22 12 | 0 28 | 19 59 | 2 57 | 20 43 | 0 42 | 23 0 | 0 24 | 9 9 | 0 45 | 3 15 | 1 34 | 27 19 | 7 55 | 23 34 | 23 34 | 12 42 | 18 50 | 4 44 |
| T 21 | 23 32 | 17 59 | 2 34 | 21 35 | 0 58 | 22 23 | 0 26 | 20 1 | 2 58 | 20 41 | 0 42 | 23 0 | 0 24 | 9 8 | 0 45 | 3 15 | 1 34 | 27 19 | 7 55 | 23 34 | 23 34 | 12 44 | 18 50 | 4 44 |
| W22 | 23 30 | 21 32 | 1 18 | 21 10 | 0 49 | 22 33 | 0 23 | 20 2 | 2 59 | 20 38 | 0 42 | 23 0 | 0 24 | 9 7 | 0 45 | 3 14 | 1 34 | 27 18 | 7 55 | 23 34 | 23 34 | 12 47 | 18 50 | 4 44 |
| T 23 | 23 28 | 23 37 | 0s 3 | 20 45 | 0 41 | 22 42 | 0 21 | 20 4 | 3 0 | 20 35 | 0 42 | 23 1 | 0 24 | 9 6 | 0 45 | 3 14 | 1 33 | 27 18 | 7 55 | 23 34 | 23 34 | 12 49 | 18 50 | 4 44 |
| F 24 | 23 26 | 24 5 | 1 22 | 20 19 | 0 31 | 22 51 | 0 18 | 20 6 | 3 1 | 20 32 | 0 42 | 23 1 | 0 24 | 9 6 | 0 45 | 3 14 | 1 33 | 27 17 | 7 55 | 23 34 | 23 34 | 12 52 | 18 50 | 4 44 |
| S 25 | 23 23 | 22 58 | 2 35 | 19 53 | 0 22 | 22 59 | 0 16 | 20 9 | 3 2 | 20 30 | 0 42 | 23 1 | 0 24 | 9 5 | 0 45 | 3 13 | 1 33 | 27 17 | 7 55 | 23 34 | 23 34 | 12 55 | 18 50 | 4 44 |
| S 26 | 23 20 | 20 28 | 3 36 | 19 26 | 0 12 | 23 6 | 0 13 | 20 11 | 3 3 | 20 27 | 0 42 | 23 2 | 0 24 | 9 4 | 0 45 | 3 13 | 1 33 | 27 17 | 7 55 | 23 34 | 23 34 | 12 57 | 18 50 | 4 44 |
| M27 | 23 16 | 16 55 | 4 24 | 19 0 | 0 2 | 23 13 | 0 11 | 20 14 | 3 4 | 20 24 | 0 42 | 23 2 | 0 24 | 9 3 | 0 45 | 3 13 | 1 33 | 27 16 | 7 55 | 23 34 | 23 34 | 13 0 | 18 50 | 4 44 |
| T 28 | 23 12 | 12 39 | 4 57 | 18 33 | 0s 9 | 23 19 | 0 8 | 20 16 | 3 4 | 20 21 | 0 42 | 23 2 | 0 24 | 9 2 | 0 45 | 3 12 | 1 33 | 27 16 | 7 55 | 23 34 | 23 34 | 13 2 | 18 50 | 4 45 |
| W29 | 23 7 | 7 57 | 5 14 | 18 6 | 0 20 | 23 24 | 0 6 | 20 19 | 3 5 | 20 18 | 0 42 | 23 3 | 0 24 | 9 1 | 0 45 | 3 12 | 1 33 | 27 15 | 7 55 | 23 34 | 23 34 | 13 5 | 18 49 | 4 45 |
| T 30 | 23n 2 | 3s 2 | 5s16 | 17n40 | 0s32 | 23n29 | 0s 3 | 20s22 | 3s 6 | 20n15 | 0n42 | 23s 3 | 0n23 | 9n 0 | 0n45 | 3n12 | 1n33 | 27n15 | 7n55 | 23n34 | 23n34 | 13n 7 | 18n49 | 4s45 |

Julian Day Number = 2071483.5, Delta T = 27m57s
Ecliptic obliquity = 23°34'26, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'17, Lahiri = 9°21'18 Julian Calendar 1 June 959 == Greg. Calendar 6 June 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## JULY 959 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 53 51 | 12♋51'27 | 16♈35 | 9♌43 | 28♊ 0 | 18♏34 | 3♌19 | 5°R55 | 8♍51 | 25♍35 | 3♌12 | 29°D56 | 29♊22 | 15♉31 | 29♊19 | F 1 |
| S 2 | 18 57 48 | 13°48'43 | 28°32 | 10°37 | 29°14 | 18°44 | 3°31 | 5♑51 | 8°54 | 25°36 | 3°13 | 29♊57 | 29°18 | 15°38 | 29°25 | S 2 |
| S 3 | 19 1 44 | 14°45'59 | 10♉23 | 11°28 | 0♋27 | 18°55 | 3°44 | 5°47 | 8°56 | 25°37 | 3°15 | 29°58 | 29°15 | 15°44 | 29°31 | S 3 |
| M 4 | 19 5 41 | 15°43'16 | 22°13 | 12°15 | 1°41 | 19° 7 | 3°57 | 5°42 | 8°59 | 25°38 | 3°17 | 29°59 | 29°12 | 15°51 | 29°36 | M 4 |
| T 5 | 19 9 38 | 16°40'35 | 4♊ 7 | 12°59 | 2°54 | 19°19 | 4°10 | 5°38 | 9° 2 | 25°39 | 3°19 | 0♋ 1 | 29° 9 | 15°58 | 29°42 | T 5 |
| W 6 | 19 13 34 | 17°37'54 | 16° 8 | 13°39 | 4° 8 | 19°32 | 4°23 | 5°34 | 9° 4 | 25°40 | 3°21 | 0° 2 | 29° 6 | 16° 4 | 29°48 | W 6 |
| T 7 | 19 17 31 | 18°35'14 | 28°19 | 14°16 | 5°21 | 19°46 | 4°35 | 5°29 | 9° 7 | 25°41 | 3°22 | 0°R 2 | 29° 3 | 16°11 | 29°54 | T 7 |
| F 8 | 19 21 27 | 19°32'35 | 10♋42 | 14°48 | 6°35 | 20° 0 | 4°48 | 5°25 | 9°10 | 25°42 | 3°24 | 0° 2 | 28°59 | 16°18 | 29°59 | F 8 |
| S 9 | 19 25 24 | 20°29'57 | 23°19 | 15°16 | 7°48 | 20°15 | 5° 1 | 5°21 | 9°13 | 25°43 | 3°26 | 0° 1 | 28°56 | 16°24 | 0♋ 6 | S 9 |
| S 10 | 19 29 20 | 21°27'20 | 6♌12 | 15°40 | 9° 2 | 20°31 | 5°14 | 5°17 | 9°15 | 25°45 | 3°28 | 29♊58 | 28°53 | 16°31 | 0°11 | S 10 |
| M11 | 19 33 17 | 22°24'43 | 19°19 | 16° 0 | 10°16 | 20°48 | 5°27 | 5°13 | 9°18 | 25°46 | 3°30 | 29°55 | 28°50 | 16°38 | 0°17 | M11 |
| T 12 | 19 37 14 | 23°22'07 | 2♍40 | 16°15 | 11°29 | 21° 5 | 5°40 | 5° 8 | 9°21 | 25°47 | 3°31 | 29°52 | 28°47 | 16°45 | 0°23 | T 12 |
| W13 | 19 41 10 | 24°19'32 | 16°14 | 16°24 | 12°43 | 21°22 | 5°53 | 5° 4 | 9°24 | 25°48 | 3°33 | 29°49 | 28°43 | 16°51 | 0°29 | W13 |
| T 14 | 19 45 7 | 25°16'58 | 0♎ 0 | 16°R29 | 13°57 | 21°41 | 6° 6 | 5° 0 | 9°27 | 25°50 | 3°35 | 29°46 | 28°40 | 16°58 | 0°34 | T 14 |
| F 15 | 19 49 3 | 26°14'24 | 13°57 | 16°29 | 15°10 | 22° 0 | 6°19 | 4°56 | 9°30 | 25°51 | 3°37 | 29°44 | 28°37 | 17° 5 | 0°40 | F 15 |
| S 16 | 19 53 0 | 27°11'51 | 28° 2 | 16°23 | 16°24 | 22°19 | 6°32 | 4°52 | 9°33 | 25°52 | 3°39 | 29°D44 | 28°34 | 17°11 | 0°46 | S 16 |
| S 17 | 19 56 56 | 28° 9'19 | 12♏15 | 16°13 | 17°38 | 22°39 | 6°45 | 4°49 | 9°36 | 25°54 | 3°40 | 29°44 | 28°31 | 17°18 | 0°51 | S 17 |
| M18 | 20 0 53 | 29° 6'48 | 26°32 | 15°56 | 18°52 | 23° 0 | 6°58 | 4°45 | 9°39 | 25°55 | 3°42 | 29°46 | 28°28 | 17°25 | 0°57 | M18 |
| T 19 | 20 4 49 | 0♌ 4'18 | 10♐53 | 15°35 | 20° 6 | 23°21 | 7°11 | 4°41 | 9°42 | 25°56 | 3°44 | 29°47 | 28°24 | 17°31 | 1° 2 | T 19 |
| W20 | 20 8 46 | 1° 1'48 | 25°13 | 15° 8 | 21°20 | 23°42 | 7°24 | 4°37 | 9°45 | 25°58 | 3°46 | 29°R48 | 28°21 | 17°38 | 1° 8 | W20 |
| T 21 | 20 12 43 | 1°59'20 | 9♑29 | 14°37 | 22°33 | 24° 5 | 7°38 | 4°34 | 9°48 | 25°59 | 3°48 | 29°48 | 28°18 | 17°45 | 1°13 | T 21 |
| F 22 | 20 16 39 | 2°56'53 | 23°36 | 14° 1 | 23°47 | 24°27 | 7°51 | 4°30 | 9°51 | 26° 1 | 3°50 | 29°46 | 28°15 | 17°51 | 1°19 | F 22 |
| S 23 | 20 20 36 | 3°54'27 | 7♒30 | 13°20 | 25° 1 | 24°51 | 8° 4 | 4°26 | 9°55 | 26° 2 | 3°52 | 29°42 | 28°12 | 17°58 | 1°24 | S 23 |
| S 24 | 20 24 32 | 4°52'02 | 21° 8 | 12°36 | 26°15 | 25°14 | 8°17 | 4°23 | 9°58 | 26° 4 | 3°53 | 29°38 | 28° 9 | 18° 5 | 1°30 | S 24 |
| M25 | 20 28 29 | 5°49'38 | 4♓27 | 11°49 | 27°29 | 25°38 | 8°30 | 4°19 | 10° 1 | 26° 5 | 3°55 | 29°32 | 28° 5 | 18°11 | 1°35 | M25 |
| T 26 | 20 32 25 | 6°47'16 | 17°26 | 11° 0 | 28°43 | 26° 3 | 8°43 | 4°16 | 10° 4 | 26° 7 | 3°57 | 29°26 | 28° 2 | 18°18 | 1°40 | T 26 |
| W27 | 20 36 22 | 7°44'55 | 0♈ 5 | 10° 9 | 29°57 | 26°28 | 8°56 | 4°13 | 10° 8 | 26° 9 | 3°59 | 29°20 | 27°59 | 18°25 | 1°45 | W27 |
| T 28 | 20 40 18 | 8°42'36 | 12°27 | 9°18 | 1♌11 | 26°54 | 9° 9 | 4° 9 | 10°11 | 26°10 | 4° 1 | 29°16 | 27°56 | 18°31 | 1°51 | T 28 |
| F 29 | 20 44 15 | 9°40'18 | 24°34 | 8°28 | 2°26 | 27°20 | 9°23 | 4° 6 | 10°14 | 26°12 | 4° 3 | 29°13 | 27°53 | 18°38 | 1°56 | F 29 |
| S 30 | 20 48 12 | 10°38'03 | 6♉31 | 7°39 | 3°40 | 27°46 | 9°36 | 4° 3 | 10°18 | 26°14 | 4° 4 | 29°D12 | 27°49 | 18°45 | 2° 1 | S 30 |
| S 31 | 20 52 8 | 11♌35'48 | 18♉22 | 6♌52 | 4♌54 | 28♏13 | 9♌49 | 4♑ 0 | 10♍21 | 26♍15 | 4♌ 6 | 29♊12 | 27♊46 | 18♉51 | 2♋ 6 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n57 | 1n53 | 5s 3 | 17n13 | 0s43 | 23n33 | 0s 1 | 20s26 | 3s 6 | 20n12 | 0n42 | 23s 3 | 0n23 | 8n59 | 0n45 | 3n11 | 1n33 | 27n14 | 7n55 | 23n34 | 23n34 | 13n10 | 18n49 | 4s45 |
| S 2 | 22 51 | 6 41 | 4 38 | 16 47 | 0 55 | 23 36 | 0n 2 | 20 29 | 3 7 | 20 9 | 0 42 | 23 3 | 0 23 | 8 58 | 0 45 | 3 11 | 1 33 | 27 14 | 7 55 | 23 34 | 23 34 | 13 12 | 18 49 | 4 45 |
| S 3 | 22 45 | 11 12 | 4 1 | 16 22 | 1 8 | 23 39 | 0 4 | 20 32 | 3 7 | 20 7 | 0 42 | 23 4 | 0 23 | 8 57 | 0 45 | 3 10 | 1 33 | 27 14 | 7 55 | 23 34 | 23 34 | 13 15 | 18 49 | 4 45 |
| M 4 | 22 39 | 15 18 | 3 14 | 15 56 | 1 20 | 23 40 | 0 7 | 20 36 | 3 8 | 20 4 | 0 42 | 23 4 | 0 23 | 8 56 | 0 45 | 3 10 | 1 33 | 27 13 | 7 55 | 23 34 | 23 34 | 13 17 | 18 49 | 4 46 |
| T 5 | 22 32 | 18 49 | 2 18 | 15 32 | 1 33 | 23 42 | 0 9 | 20 40 | 3 8 | 20 1 | 0 42 | 23 4 | 0 23 | 8 55 | 0 45 | 3 9 | 1 33 | 27 13 | 7 55 | 23 34 | 23 34 | 13 20 | 18 49 | 4 46 |
| W 6 | 22 24 | 21 35 | 1 16 | 15 8 | 1 45 | 23 42 | 0 12 | 20 44 | 3 8 | 19 57 | 0 42 | 23 5 | 0 23 | 8 54 | 0 45 | 3 9 | 1 33 | 27 12 | 7 55 | 23 34 | 23 34 | 13 22 | 18 48 | 4 46 |
| T 7 | 22 17 | 23 24 | 0 10 | 14 45 | 1 58 | 23 42 | 0 14 | 20 48 | 3 9 | 19 54 | 0 42 | 23 5 | 0 23 | 8 53 | 0 45 | 3 9 | 1 33 | 27 12 | 7 55 | 23 34 | 23 34 | 13 25 | 18 48 | 4 46 |
| F 8 | 22 8 | 24 7 | 0n59 | 14 24 | 2 11 | 23 41 | 0 16 | 20 52 | 3 9 | 19 51 | 0 42 | 23 5 | 0 23 | 8 52 | 0 45 | 3 8 | 1 33 | 27 11 | 7 55 | 23 34 | 23 34 | 13 27 | 18 48 | 4 46 |
| S 9 | 22 0 | 23 36 | 2 5 | 14 3 | 2 24 | 23 39 | 0 19 | 20 57 | 3 9 | 19 48 | 0 42 | 23 5 | 0 23 | 8 51 | 0 45 | 3 8 | 1 33 | 27 11 | 7 55 | 23 34 | 23 34 | 13 30 | 18 48 | 4 47 |
| S 10 | 21 51 | 21 50 | 3 6 | 13 43 | 2 37 | 23 37 | 0 21 | 21 1 | 3 9 | 19 45 | 0 43 | 23 6 | 0 22 | 8 50 | 0 44 | 3 7 | 1 33 | 27 11 | 7 55 | 23 34 | 23 34 | 13 32 | 18 48 | 4 47 |
| M11 | 21 42 | 18 53 | 3 59 | 13 25 | 2 50 | 23 34 | 0 23 | 21 6 | 3 10 | 19 42 | 0 43 | 23 6 | 0 22 | 8 49 | 0 44 | 3 7 | 1 33 | 27 10 | 7 55 | 23 34 | 23 34 | 13 35 | 18 47 | 4 47 |
| T 12 | 21 32 | 14 55 | 4 39 | 13 9 | 3 3 | 23 30 | 0 26 | 21 11 | 3 10 | 19 39 | 0 43 | 23 6 | 0 22 | 8 48 | 0 44 | 3 6 | 1 33 | 27 10 | 7 55 | 23 34 | 23 34 | 13 38 | 18 47 | 4 47 |
| W13 | 21 22 | 10 8 | 5 5 | 12 54 | 3 16 | 23 26 | 0 28 | 21 15 | 3 10 | 19 36 | 0 43 | 23 6 | 0 22 | 8 46 | 0 44 | 3 5 | 1 33 | 27 9 | 7 55 | 23 34 | 23 34 | 13 40 | 18 47 | 4 48 |
| T 14 | 21 12 | 4 48 | 5 14 | 12 41 | 3 28 | 23 21 | 0 30 | 21 20 | 3 10 | 19 33 | 0 43 | 23 7 | 0 22 | 8 45 | 0 44 | 3 5 | 1 33 | 27 9 | 7 55 | 23 34 | 23 34 | 13 43 | 18 47 | 4 48 |
| F 15 | 21 1 | 0s51 | 5 4 | 12 30 | 3 39 | 23 15 | 0 33 | 21 25 | 3 10 | 19 29 | 0 43 | 23 7 | 0 22 | 8 44 | 0 44 | 3 4 | 1 33 | 27 8 | 7 55 | 23 34 | 23 34 | 13 45 | 18 46 | 4 48 |
| S 16 | 20 50 | 6 32 | 4 36 | 12 21 | 3 51 | 23 8 | 0 35 | 21 31 | 3 10 | 19 26 | 0 43 | 23 7 | 0 22 | 8 43 | 0 44 | 3 4 | 1 33 | 27 8 | 7 55 | 23 34 | 23 34 | 13 48 | 18 46 | 4 48 |
| S 17 | 20 39 | 11 55 | 3 52 | 12 14 | 4 1 | 23 1 | 0 37 | 21 36 | 3 10 | 19 23 | 0 43 | 23 7 | 0 22 | 8 42 | 0 44 | 3 3 | 1 32 | 27 8 | 7 55 | 23 34 | 23 34 | 13 50 | 18 46 | 4 49 |
| M18 | 20 27 | 16 42 | 2 52 | 12 9 | 4 11 | 22 53 | 0 39 | 21 41 | 3 10 | 19 20 | 0 43 | 23 8 | 0 22 | 8 41 | 0 44 | 3 3 | 1 32 | 27 7 | 7 55 | 23 34 | 23 34 | 13 53 | 18 45 | 4 49 |
| T 19 | 20 15 | 20 31 | 1 42 | 12 7 | 4 20 | 22 44 | 0 41 | 21 47 | 3 10 | 19 16 | 0 43 | 23 8 | 0 22 | 8 39 | 0 44 | 3 2 | 1 32 | 27 7 | 7 55 | 23 34 | 23 34 | 13 55 | 18 45 | 4 49 |
| W20 | 20 2 | 23 4 | 0 25 | 12 7 | 4 28 | 22 35 | 0 43 | 21 52 | 3 10 | 19 13 | 0 43 | 23 8 | 0 21 | 8 38 | 0 44 | 3 1 | 1 32 | 27 6 | 7 56 | 23 34 | 23 34 | 13 58 | 18 45 | 4 49 |
| T 21 | 19 50 | 24 7 | 0s53 | 12 10 | 4 34 | 22 25 | 0 45 | 21 57 | 3 10 | 19 10 | 0 43 | 23 8 | 0 21 | 8 37 | 0 44 | 3 1 | 1 32 | 27 6 | 7 56 | 23 34 | 23 34 | 14 0 | 18 44 | 4 50 |
| F 22 | 19 37 | 23 34 | 2 6 | 12 15 | 4 39 | 22 15 | 0 47 | 22 3 | 3 10 | 19 6 | 0 43 | 23 9 | 0 21 | 8 36 | 0 44 | 3 0 | 1 32 | 27 6 | 7 56 | 23 34 | 23 34 | 14 3 | 18 44 | 4 50 |
| S 23 | 19 23 | 21 35 | 3 11 | 12 23 | 4 43 | 22 3 | 0 49 | 22 9 | 3 9 | 19 3 | 0 43 | 23 9 | 0 21 | 8 35 | 0 44 | 3 0 | 1 32 | 27 5 | 7 56 | 23 34 | 23 34 | 14 5 | 18 44 | 4 50 |
| S 24 | 19 9 | 18 23 | 4 4 | 12 33 | 4 45 | 21 51 | 0 51 | 22 14 | 3 9 | 19 0 | 0 43 | 23 9 | 0 21 | 8 33 | 0 44 | 2 59 | 1 32 | 27 5 | 7 56 | 23 34 | 23 34 | 14 8 | 18 43 | 4 51 |
| M25 | 18 55 | 14 18 | 4 42 | 12 46 | 4 45 | 21 39 | 0 53 | 22 20 | 3 9 | 18 56 | 0 43 | 23 9 | 0 21 | 8 32 | 0 44 | 2 58 | 1 32 | 27 5 | 7 56 | 23 34 | 23 34 | 14 10 | 18 43 | 4 51 |
| T 26 | 18 41 | 9 39 | 5 4 | 13 1 | 4 44 | 21 26 | 0 55 | 22 26 | 3 9 | 18 53 | 0 43 | 23 9 | 0 21 | 8 31 | 0 44 | 2 58 | 1 32 | 27 4 | 7 56 | 23 34 | 23 34 | 14 12 | 18 43 | 4 51 |
| W27 | 18 26 | 4 42 | 5 10 | 13 18 | 4 41 | 21 12 | 0 57 | 22 32 | 3 8 | 18 49 | 0 44 | 23 10 | 0 21 | 8 30 | 0 44 | 2 57 | 1 32 | 27 4 | 7 56 | 23 34 | 23 34 | 14 15 | 18 42 | 4 51 |
| T 28 | 18 11 | 0n19 | 5 2 | 13 36 | 4 35 | 20 57 | 0 58 | 22 37 | 3 8 | 18 46 | 0 44 | 23 10 | 0 21 | 8 28 | 0 44 | 2 56 | 1 32 | 27 3 | 7 56 | 23 34 | 23 33 | 14 17 | 18 42 | 4 52 |
| F 29 | 17 56 | 5 13 | 4 41 | 13 56 | 4 28 | 20 42 | 1 0 | 22 43 | 3 8 | 18 43 | 0 44 | 23 10 | 0 20 | 8 27 | 0 44 | 2 56 | 1 32 | 27 3 | 7 56 | 23 34 | 23 33 | 14 20 | 18 42 | 4 52 |
| S 30 | 17 40 | 9 53 | 4 7 | 14 17 | 4 19 | 20 27 | 1 2 | 22 49 | 3 8 | 18 39 | 0 44 | 23 10 | 0 20 | 8 26 | 0 44 | 2 55 | 1 32 | 27 3 | 7 56 | 23 34 | 23 33 | 14 22 | 18 41 | 4 52 |
| S 31 | 17n24 | 14n 8 | 3s23 | 14n39 | 4s 9 | 20n10 | 1n 3 | 22s55 | 3s 7 | 18n36 | 0n44 | 23s11 | 0n20 | 8n24 | 0n44 | 2n54 | 1n32 | 27n 2 | 7n56 | 23n34 | 23n33 | 14n25 | 18n41 | 4s53 |

Julian Day Number = 2071513.5, Delta T = 27m57s
Ecliptic obliquity = 23°34'26, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'21, Lahiri = 9°21'22 Julian Calendar 1 July 959 == Greg. Calendar 6 July 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## AUGUST 959 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 56 5 | 12♌33'36 | 0♊13 | 6°R 9 | 6♌ 8 | 28♏40 | 10♌ 2 | 3°R57 | 10♍25 | 26♍17 | 4♌ 8 | 29♊13 | 27♊43 | 18♉58 | 2♋11 | M 1 |
| T 2 | 21 0 1 | 13°31'26 | 12° 8 | 5♌31 | 7°22 | 29° 8 | 10°15 | 3♑54 | 10°28 | 26°19 | 4°10 | 29°14 | 27°40 | 19° 5 | 2°16 | T 2 |
| W 3 | 21 3 58 | 14°29'17 | 24°12 | 4°58 | 8°36 | 29°36 | 10°28 | 3°51 | 10°32 | 26°20 | 4°12 | 29°R15 | 27°37 | 19°11 | 2°21 | W 3 |
| T 4 | 21 7 54 | 15°27'10 | 6♋30 | 4°31 | 9°51 | 0♐ 4 | 10°41 | 3°48 | 10°35 | 26°22 | 4°14 | 29°15 | 27°34 | 19°18 | 2°26 | T 4 |
| F 5 | 21 11 51 | 16°25'04 | 19° 5 | 4°10 | 11° 5 | 0°33 | 10°54 | 3°46 | 10°39 | 26°24 | 4°15 | 29°13 | 27°30 | 19°25 | 2°31 | F 5 |
| S 6 | 21 15 47 | 17°23'01 | 1♌58 | 3°57 | 12°19 | 1° 2 | 11° 7 | 3°43 | 10°42 | 26°26 | 4°17 | 29° 9 | 27°27 | 19°31 | 2°36 | S 6 |
| S 7 | 21 19 44 | 18°20'59 | 15°11 | 3°D52 | 13°34 | 1°32 | 11°21 | 3°41 | 10°46 | 26°28 | 4°19 | 29° 3 | 27°24 | 19°38 | 2°41 | S 7 |
| M 8 | 21 23 41 | 19°18'59 | 28°43 | 3°55 | 14°48 | 2° 2 | 11°34 | 3°38 | 10°49 | 26°30 | 4°21 | 28°55 | 27°21 | 19°45 | 2°46 | M 8 |
| T 9 | 21 27 37 | 20°17'00 | 12♍30 | 4° 6 | 16° 3 | 2°32 | 11°47 | 3°36 | 10°53 | 26°31 | 4°23 | 28°47 | 27°18 | 19°51 | 2°50 | T 9 |
| W10 | 21 31 34 | 21°15'03 | 26°30 | 4°25 | 17°17 | 3° 3 | 12° 0 | 3°34 | 10°56 | 26°33 | 4°24 | 28°39 | 27°15 | 19°58 | 2°55 | W10 |
| T 11 | 21 35 30 | 22°13'07 | 10♎38 | 4°53 | 18°31 | 3°34 | 12°13 | 3°31 | 11° 0 | 26°35 | 4°26 | 28°32 | 27°11 | 20° 5 | 3° 0 | T 11 |
| F 12 | 21 39 27 | 23°11'12 | 24°51 | 5°28 | 19°46 | 4° 5 | 12°26 | 3°29 | 11° 4 | 26°37 | 4°28 | 28°26 | 27° 8 | 20°12 | 3° 4 | F 12 |
| S 13 | 21 43 23 | 24° 9'20 | 9♏ 3 | 6°12 | 21° 0 | 4°37 | 12°39 | 3°27 | 11° 7 | 26°39 | 4°30 | 28°23 | 27° 5 | 20°18 | 3° 9 | S 13 |
| S 14 | 21 47 20 | 25° 7'28 | 23°14 | 7° 3 | 22°15 | 5° 9 | 12°52 | 3°25 | 11°11 | 26°41 | 4°32 | 28°D22 | 27° 2 | 20°25 | 3°13 | S 14 |
| M15 | 21 51 16 | 26° 5'39 | 7♐21 | 8° 2 | 23°29 | 5°41 | 13° 5 | 3°24 | 11°15 | 26°43 | 4°33 | 28°23 | 26°59 | 20°32 | 3°18 | M15 |
| T 16 | 21 55 13 | 27° 3'50 | 21°24 | 9° 7 | 24°44 | 6°14 | 13°18 | 3°22 | 11°18 | 26°45 | 4°35 | 28°R23 | 26°55 | 20°38 | 3°22 | T 16 |
| W17 | 21 59 9 | 28° 2'03 | 5♑20 | 10°19 | 25°58 | 6°47 | 13°31 | 3°20 | 11°22 | 26°47 | 4°37 | 28°23 | 26°52 | 20°45 | 3°26 | W17 |
| T 18 | 22 3 6 | 29° 0'18 | 19°10 | 11°38 | 27°13 | 7°20 | 13°43 | 3°19 | 11°26 | 26°49 | 4°38 | 28°22 | 26°49 | 20°52 | 3°31 | T 18 |
| F 19 | 22 7 3 | 29°58'35 | 2♒52 | 13° 2 | 28°27 | 7°54 | 13°56 | 3°17 | 11°29 | 26°51 | 4°40 | 28°17 | 26°46 | 20°58 | 3°35 | F 19 |
| S 20 | 22 10 59 | 0♍56'53 | 16°23 | 14°30 | 29°42 | 8°27 | 14° 9 | 3°16 | 11°33 | 26°53 | 4°42 | 28°10 | 26°43 | 21° 5 | 3°39 | S 20 |
| S 21 | 22 14 56 | 1°55'13 | 29°42 | 16° 4 | 0♍57 | 9° 1 | 14°22 | 3°15 | 11°37 | 26°55 | 4°44 | 28° 1 | 26°40 | 21°12 | 3°43 | S 21 |
| M22 | 22 18 52 | 2°53'34 | 12♓46 | 17°41 | 2°11 | 9°36 | 14°35 | 3°13 | 11°41 | 26°57 | 4°45 | 27°50 | 26°36 | 21°18 | 3°47 | M22 |
| T 23 | 22 22 49 | 3°51'58 | 25°35 | 19°22 | 3°26 | 10°10 | 14°48 | 3°12 | 11°44 | 26°59 | 4°47 | 27°39 | 26°33 | 21°25 | 3°51 | T 23 |
| W24 | 22 26 45 | 4°50'23 | 8♈ 7 | 21° 5 | 4°41 | 10°45 | 15° 0 | 3°11 | 11°48 | 27° 1 | 4°49 | 27°28 | 26°30 | 21°32 | 3°55 | W24 |
| T 25 | 22 30 42 | 5°48'51 | 20°25 | 22°51 | 5°55 | 11°20 | 15°13 | 3°10 | 11°52 | 27° 3 | 4°50 | 27°18 | 26°27 | 21°38 | 3°59 | T 25 |
| F 26 | 22 34 38 | 6°47'21 | 2♉30 | 24°39 | 7°10 | 11°55 | 15°26 | 3°10 | 11°56 | 27° 6 | 4°52 | 27°11 | 26°24 | 21°45 | 4° 2 | F 26 |
| S 27 | 22 38 35 | 7°45'53 | 14°25 | 26°28 | 8°25 | 12°31 | 15°38 | 3° 9 | 11°59 | 27° 8 | 4°53 | 27° 6 | 26°20 | 21°52 | 4° 6 | S 27 |
| S 28 | 22 42 32 | 8°44'27 | 26°15 | 28°18 | 9°39 | 13° 7 | 15°51 | 3° 8 | 12° 3 | 27°10 | 4°55 | 27° 3 | 26°17 | 21°58 | 4°10 | S 28 |
| M29 | 22 46 28 | 9°43'04 | 8♊ 4 | 0♍10 | 10°54 | 13°43 | 16° 3 | 3° 8 | 12° 7 | 27°12 | 4°57 | 27°D 3 | 26°14 | 22° 5 | 4°13 | M29 |
| T 30 | 22 50 25 | 10°41'42 | 19°59 | 2° 1 | 12° 9 | 14°19 | 16°16 | 3° 7 | 12°11 | 27°14 | 4°58 | 27° 3 | 26°11 | 22°12 | 4°17 | T 30 |
| W31 | 22 54 21 | 11♍40'24 | 2♋ 3 | 3♍53 | 13♍24 | 14♐55 | 16♌28 | 3♑ 7 | 12♍15 | 27♍16 | 5♌ 0 | 27°R 3 | 26♊ 8 | 22♉18 | 4♋20 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n 8 | 17n51 | 2s31 | 15n 1 | 3s56 | 19n54 | 1n 5 | 23s 1 | 3s 7 | 18n32 | 0n44 | 23s11 | 0n20 | 8n23 | 0n44 | 2n53 | 1n32 | 27n 2 | 7n57 | 23n34 | 23n33 | 14n27 | 18n40 | 4s53 |
| T 2 | 16 51 | 20 52 | 1 31 | 15 24 | 3 43 | 19 36 | 1 6 | 23 6 | 3 6 | 18 29 | 0 44 | 23 11 | 0 20 | 8 22 | 0 44 | 2 53 | 1 32 | 27 2 | 7 57 | 23 34 | 23 33 | 14 30 | 18 40 | 4 53 |
| W 3 | 16 35 | 22 59 | 0 27 | 15 46 | 3 28 | 19 18 | 1 8 | 23 12 | 3 6 | 18 25 | 0 44 | 23 11 | 0 20 | 8 20 | 0 44 | 2 52 | 1 32 | 27 1 | 7 57 | 23 34 | 23 33 | 14 32 | 18 39 | 4 54 |
| T 4 | 16 18 | 24 4 | 0n39 | 16 8 | 3 12 | 19 0 | 1 9 | 23 18 | 3 6 | 18 22 | 0 44 | 23 11 | 0 20 | 8 19 | 0 44 | 2 51 | 1 32 | 27 1 | 7 57 | 23 34 | 23 33 | 14 35 | 18 39 | 4 54 |
| F 5 | 16 0 | 23 56 | 1 45 | 16 30 | 2 55 | 18 40 | 1 11 | 23 24 | 3 5 | 18 18 | 0 44 | 23 11 | 0 20 | 8 18 | 0 44 | 2 51 | 1 32 | 27 1 | 7 57 | 23 34 | 23 33 | 14 37 | 18 39 | 4 55 |
| S 6 | 15 43 | 22 33 | 2 47 | 16 50 | 2 37 | 18 21 | 1 12 | 23 30 | 3 5 | 18 15 | 0 44 | 23 12 | 0 20 | 8 16 | 0 44 | 2 50 | 1 32 | 27 0 | 7 57 | 23 34 | 23 33 | 14 40 | 18 38 | 4 55 |
| S 7 | 15 25 | 19 54 | 3 42 | 17 8 | 2 19 | 18 1 | 1 13 | 23 35 | 3 4 | 18 11 | 0 44 | 23 12 | 0 20 | 8 15 | 0 44 | 2 49 | 1 32 | 27 0 | 7 57 | 23 34 | 23 33 | 14 42 | 18 38 | 4 55 |
| M 8 | 15 7 | 16 7 | 4 25 | 17 25 | 2 1 | 17 40 | 1 14 | 23 41 | 3 4 | 18 8 | 0 45 | 23 12 | 0 19 | 8 14 | 0 44 | 2 48 | 1 32 | 27 0 | 7 57 | 23 34 | 23 33 | 14 45 | 18 37 | 4 56 |
| T 9 | 14 48 | 11 25 | 4 54 | 17 40 | 1 43 | 17 19 | 1 15 | 23 47 | 3 3 | 18 4 | 0 45 | 23 12 | 0 19 | 8 12 | 0 44 | 2 48 | 1 32 | 26 59 | 7 57 | 23 34 | 23 33 | 14 47 | 18 37 | 4 56 |
| W10 | 14 30 | 6 4 | 5 6 | 17 53 | 1 25 | 16 57 | 1 16 | 23 52 | 3 3 | 18 0 | 0 45 | 23 12 | 0 19 | 8 11 | 0 44 | 2 47 | 1 32 | 26 59 | 7 58 | 23 34 | 23 33 | 14 50 | 18 36 | 4 56 |
| T 11 | 14 11 | 0 21 | 4 59 | 18 4 | 1 7 | 16 35 | 1 17 | 23 58 | 3 2 | 17 57 | 0 45 | 23 13 | 0 19 | 8 9 | 0 44 | 2 46 | 1 32 | 26 59 | 7 58 | 23 34 | 23 33 | 14 52 | 18 36 | 4 57 |
| F 12 | 13 52 | 5s25 | 4 34 | 18 12 | 0 50 | 16 13 | 1 18 | 24 3 | 3 2 | 17 53 | 0 45 | 23 13 | 0 19 | 8 8 | 0 44 | 2 45 | 1 32 | 26 58 | 7 58 | 23 34 | 23 33 | 14 54 | 18 35 | 4 57 |
| S 13 | 13 33 | 10 55 | 3 53 | 18 18 | 0 33 | 15 49 | 1 19 | 24 9 | 3 1 | 17 50 | 0 45 | 23 13 | 0 19 | 8 7 | 0 44 | 2 44 | 1 32 | 26 58 | 7 58 | 23 34 | 23 33 | 14 57 | 18 35 | 4 58 |
| S 14 | 13 13 | 15 50 | 2 57 | 18 20 | 0 17 | 15 26 | 1 20 | 24 14 | 3 1 | 17 46 | 0 45 | 23 13 | 0 19 | 8 5 | 0 44 | 2 44 | 1 32 | 26 58 | 7 58 | 23 34 | 23 32 | 14 59 | 18 34 | 4 58 |
| M15 | 12 53 | 19 51 | 1 50 | 18 20 | 0 2 | 15 2 | 1 21 | 24 20 | 3 0 | 17 42 | 0 45 | 23 13 | 0 19 | 8 4 | 0 44 | 2 43 | 1 32 | 26 57 | 7 58 | 23 34 | 23 32 | 15 2 | 18 34 | 4 58 |
| T 16 | 12 34 | 22 40 | 0 37 | 18 17 | 0n13 | 14 38 | 1 21 | 24 25 | 2 59 | 17 39 | 0 45 | 23 13 | 0 19 | 8 2 | 0 44 | 2 42 | 1 32 | 26 57 | 7 58 | 23 34 | 23 32 | 15 4 | 18 33 | 4 59 |
| W17 | 12 13 | 24 5 | 0s37 | 18 10 | 0 26 | 14 13 | 1 22 | 24 30 | 2 59 | 17 35 | 0 45 | 23 14 | 0 18 | 8 1 | 0 44 | 2 41 | 1 32 | 26 57 | 7 59 | 23 34 | 23 32 | 15 7 | 18 33 | 4 59 |
| T 18 | 11 53 | 23 59 | 1 49 | 18 1 | 0 39 | 13 48 | 1 23 | 24 35 | 2 58 | 17 31 | 0 45 | 23 14 | 0 18 | 7 59 | 0 44 | 2 40 | 1 32 | 26 57 | 7 59 | 23 34 | 23 32 | 15 9 | 18 32 | 5 0 |
| F 19 | 11 33 | 22 26 | 2 53 | 17 48 | 0 50 | 13 22 | 1 23 | 24 40 | 2 57 | 17 28 | 0 46 | 23 14 | 0 18 | 7 58 | 0 44 | 2 40 | 1 32 | 26 56 | 7 59 | 23 34 | 23 32 | 15 11 | 18 31 | 5 0 |
| S 20 | 11 12 | 19 37 | 3 47 | 17 32 | 1 1 | 12 57 | 1 23 | 24 45 | 2 57 | 17 24 | 0 46 | 23 14 | 0 18 | 7 57 | 0 44 | 2 39 | 1 32 | 26 56 | 7 59 | 23 34 | 23 32 | 15 14 | 18 31 | 5 1 |
| S 21 | 10 51 | 15 48 | 4 27 | 17 14 | 1 10 | 12 30 | 1 24 | 24 50 | 2 56 | 17 21 | 0 46 | 23 14 | 0 18 | 7 55 | 0 44 | 2 38 | 1 32 | 26 56 | 7 59 | 23 34 | 23 32 | 15 16 | 18 30 | 5 1 |
| M22 | 10 30 | 11 18 | 4 52 | 16 52 | 1 18 | 12 4 | 1 24 | 24 54 | 2 55 | 17 17 | 0 46 | 23 14 | 0 18 | 7 54 | 0 44 | 2 37 | 1 32 | 26 55 | 7 59 | 23 33 | 23 32 | 15 19 | 18 30 | 5 1 |
| T 23 | 10 9 | 6 23 | 5 2 | 16 27 | 1 26 | 11 37 | 1 24 | 24 59 | 2 55 | 17 13 | 0 46 | 23 14 | 0 18 | 7 52 | 0 44 | 2 36 | 1 32 | 26 55 | 8 0 | 23 33 | 23 32 | 15 21 | 18 29 | 5 2 |
| W24 | 9 47 | 1 19 | 4 57 | 16 0 | 1 32 | 11 10 | 1 25 | 25 3 | 2 54 | 17 10 | 0 46 | 23 15 | 0 18 | 7 51 | 0 44 | 2 35 | 1 32 | 26 55 | 8 0 | 23 33 | 23 32 | 15 24 | 18 29 | 5 2 |
| T 25 | 9 26 | 3n43 | 4 39 | 15 30 | 1 37 | 10 42 | 1 25 | 25 7 | 2 53 | 17 6 | 0 46 | 23 15 | 0 18 | 7 49 | 0 44 | 2 34 | 1 31 | 26 55 | 8 0 | 23 33 | 23 32 | 15 26 | 18 28 | 5 3 |
| F 26 | 9 4 | 8 32 | 4 8 | 14 58 | 1 42 | 10 14 | 1 25 | 25 12 | 2 53 | 17 2 | 0 46 | 23 15 | 0 17 | 7 48 | 0 44 | 2 34 | 1 31 | 26 55 | 8 0 | 23 33 | 23 31 | 15 28 | 18 28 | 5 3 |
| S 27 | 8 42 | 12 58 | 3 26 | 14 24 | 1 45 | 9 46 | 1 25 | 25 16 | 2 52 | 16 59 | 0 46 | 23 15 | 0 17 | 7 47 | 0 44 | 2 33 | 1 31 | 26 54 | 8 0 | 23 33 | 23 31 | 15 31 | 18 27 | 5 4 |
| S 28 | 8 20 | 16 54 | 2 36 | 13 48 | 1 47 | 9 18 | 1 25 | 25 20 | 2 51 | 16 55 | 0 47 | 23 15 | 0 17 | 7 45 | 0 44 | 2 32 | 1 31 | 26 54 | 8 1 | 23 32 | 23 31 | 15 33 | 18 26 | 5 4 |
| M29 | 7 58 | 20 9 | 1 39 | 13 11 | 1 49 | 8 49 | 1 24 | 25 23 | 2 50 | 16 51 | 0 47 | 23 15 | 0 17 | 7 44 | 0 44 | 2 31 | 1 31 | 26 54 | 8 1 | 23 32 | 23 31 | 15 36 | 18 26 | 5 5 |
| T 30 | 7 36 | 22 34 | 0 37 | 12 31 | 1 50 | 8 20 | 1 24 | 25 27 | 2 49 | 16 48 | 0 47 | 23 15 | 0 17 | 7 42 | 0 44 | 2 30 | 1 31 | 26 54 | 8 1 | 23 32 | 23 31 | 15 38 | 18 25 | 5 5 |
| W31 | 7n13 | 24n 0 | 0n27 | 11n51 | 1n50 | 7n51 | 1n24 | 25s31 | 2s49 | 16n44 | 0n47 | 23s15 | 0n17 | 7n41 | 0n44 | 2n29 | 1n31 | 26n53 | 8n 1 | 23n32 | 23n31 | 15n40 | 18n25 | 5s 6 |

Julian Day Number = 2071544.5, Delta T = 27m56s
Ecliptic obliquity = 23°34'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'26, Lahiri = 9°21'26 Julian Calendar 1 Aug. 959 == Greg. Calendar 6 Aug. 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## SEPTEMBER 959 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 58 18 | 12♍39'07 | 14♋23 | 5♍45 | 14♍39 | 15♐32 | 16♌41 | 3°R 7 | 12♍18 | 27♍18 | 5♌ 1 | 27°R 2 | 26♊ 5 | 22♉25 | 4♋24 | T 1 |
| F 2 | 23 2 14 | 13°37'52 | 27° 3 | 7°37 | 15°53 | 16° 9 | 16°53 | 3♑ 7 | 12°22 | 27°21 | 5° 3 | 26♊58 | 26° 1 | 22°32 | 4°27 | F 2 |
| S 3 | 23 6 11 | 14°36'40 | 10♌ 6 | 9°28 | 17° 8 | 16°46 | 17° 6 | 3°D 7 | 12°26 | 27°23 | 5° 4 | 26°52 | 25°58 | 22°38 | 4°30 | S 3 |
| S 4 | 23 10 7 | 15°35'30 | 23°34 | 11°19 | 18°23 | 17°23 | 17°18 | 3° 7 | 12°30 | 27°25 | 5° 6 | 26°44 | 25°55 | 22°45 | 4°33 | S 4 |
| M 5 | 23 14 4 | 16°34'22 | 7♍26 | 13° 9 | 19°38 | 18° 1 | 17°30 | 3° 7 | 12°33 | 27°27 | 5° 7 | 26°33 | 25°52 | 22°52 | 4°36 | M 5 |
| T 6 | 23 18 1 | 17°33'17 | 21°38 | 14°59 | 20°53 | 18°39 | 17°42 | 3° 7 | 12°37 | 27°29 | 5° 9 | 26°21 | 25°49 | 22°58 | 4°39 | T 6 |
| W 7 | 23 21 57 | 18°32'13 | 6♎ 5 | 16°48 | 22° 8 | 19°17 | 17°54 | 3° 7 | 12°41 | 27°32 | 5°10 | 26°10 | 25°46 | 23° 5 | 4°42 | W 7 |
| T 8 | 23 25 54 | 19°31'11 | 20°40 | 18°36 | 23°23 | 19°55 | 18° 7 | 3° 8 | 12°45 | 27°34 | 5°12 | 25°59 | 25°42 | 23°12 | 4°45 | T 8 |
| F 9 | 23 29 50 | 20°30'11 | 5♏16 | 20°23 | 24°37 | 20°33 | 18°19 | 3° 8 | 12°48 | 27°36 | 5°13 | 25°51 | 25°39 | 23°18 | 4°48 | F 9 |
| S 10 | 23 33 47 | 21°29'13 | 19°47 | 22°10 | 25°52 | 21°12 | 18°31 | 3° 9 | 12°52 | 27°38 | 5°14 | 25°46 | 25°36 | 23°25 | 4°51 | S 10 |
| S 11 | 23 37 43 | 22°28'17 | 4♐ 7 | 23°56 | 27° 7 | 21°50 | 18°43 | 3°10 | 12°56 | 27°41 | 5°16 | 25°44 | 25°33 | 23°32 | 4°53 | S 11 |
| M12 | 23 41 40 | 23°27'22 | 18°16 | 25°41 | 28°22 | 22°29 | 18°54 | 3°11 | 13° 0 | 27°43 | 5°17 | 25°43 | 25°30 | 23°38 | 4°56 | M12 |
| T 13 | 23 45 36 | 24°26'30 | 2♑12 | 27°25 | 29°37 | 23° 8 | 19° 6 | 3°12 | 13° 3 | 27°45 | 5°18 | 25°43 | 25°26 | 23°45 | 4°58 | T 13 |
| W14 | 23 49 33 | 25°25'39 | 15°54 | 29° 8 | 0♎52 | 23°47 | 19°18 | 3°13 | 13° 7 | 27°47 | 5°20 | 25°42 | 25°23 | 23°52 | 5° 1 | W14 |
| T 15 | 23 53 30 | 26°24'50 | 29°25 | 0♎50 | 2° 7 | 24°27 | 19°30 | 3°14 | 13°11 | 27°50 | 5°21 | 25°40 | 25°20 | 23°58 | 5° 3 | T 15 |
| F 16 | 23 57 26 | 27°24'03 | 12♒44 | 2°32 | 3°22 | 25° 6 | 19°41 | 3°15 | 13°15 | 27°52 | 5°22 | 25°34 | 25°17 | 24° 5 | 5° 5 | F 16 |
| S 17 | 0 1 23 | 28°23'18 | 25°52 | 4°13 | 4°37 | 25°46 | 19°53 | 3°17 | 13°18 | 27°54 | 5°23 | 25°26 | 25°14 | 24°12 | 5° 7 | S 17 |
| S 18 | 0 5 19 | 29°22'34 | 8♓49 | 5°53 | 5°52 | 26°26 | 20° 4 | 3°18 | 13°22 | 27°56 | 5°25 | 25°15 | 25°11 | 24°18 | 5° 9 | S 18 |
| M19 | 0 9 16 | 0♎21'53 | 21°35 | 7°32 | 7° 7 | 27° 6 | 20°16 | 3°20 | 13°26 | 27°58 | 5°26 | 25° 2 | 25° 7 | 24°25 | 5°11 | M19 |
| T 20 | 0 13 12 | 1°21'13 | 4♈ 8 | 9°10 | 8°22 | 27°46 | 20°27 | 3°21 | 13°29 | 28° 1 | 5°27 | 24°48 | 25° 4 | 24°32 | 5°13 | T 20 |
| W21 | 0 17 9 | 2°20'36 | 16°29 | 10°48 | 9°37 | 28°26 | 20°39 | 3°23 | 13°33 | 28° 3 | 5°28 | 24°35 | 25° 1 | 24°38 | 5°15 | W21 |
| T 22 | 0 21 5 | 3°20'01 | 28°39 | 12°25 | 10°52 | 29° 6 | 20°50 | 3°25 | 13°36 | 28° 5 | 5°29 | 24°23 | 24°58 | 24°45 | 5°17 | T 22 |
| F 23 | 0 25 2 | 4°19'28 | 10♉39 | 14° 1 | 12° 7 | 29°47 | 21° 1 | 3°27 | 13°40 | 28° 7 | 5°30 | 24°13 | 24°55 | 24°52 | 5°19 | F 23 |
| S 24 | 0 28 58 | 5°18'57 | 22°31 | 15°37 | 13°22 | 0♑27 | 21°12 | 3°29 | 13°44 | 28°10 | 5°31 | 24° 7 | 24°52 | 24°58 | 5°20 | S 24 |
| S 25 | 0 32 55 | 6°18'29 | 4♊19 | 17°12 | 14°37 | 1° 8 | 21°23 | 3°31 | 13°47 | 28°12 | 5°33 | 24° 3 | 24°48 | 25° 5 | 5°22 | S 25 |
| M26 | 0 36 52 | 7°18'03 | 16° 6 | 18°46 | 15°52 | 1°49 | 21°34 | 3°33 | 13°51 | 28°14 | 5°34 | 24° 1 | 24°45 | 25°12 | 5°23 | M26 |
| T 27 | 0 40 48 | 8°17'39 | 27°58 | 20°19 | 17° 7 | 2°30 | 21°45 | 3°36 | 13°54 | 28°16 | 5°35 | 24°D 1 | 24°42 | 25°18 | 5°24 | T 27 |
| W28 | 0 44 45 | 9°17'18 | 10♋ 1 | 21°52 | 18°22 | 3°11 | 21°56 | 3°38 | 13°58 | 28°18 | 5°36 | 24°R 1 | 24°39 | 25°25 | 5°26 | W28 |
| T 29 | 0 48 41 | 10°16'59 | 22°18 | 23°25 | 19°37 | 3°52 | 22° 6 | 3°41 | 14° 1 | 28°21 | 5°37 | 24° 1 | 24°36 | 25°32 | 5°27 | T 29 |
| F 30 | 0 52 38 | 11♎16'42 | 4♌57 | 24♎56 | 20♎52 | 4♑34 | 22♌17 | 3♑43 | 14♍ 5 | 28♍23 | 5♌37 | 23♊58 | 24♊32 | 25♉38 | 5♋28 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n51 | 24n18 | 1n31 | 11n 9 | 1n49 | 7n22 | 1n24 | 25s34 | 2s48 | 16n40 | 0n47 | 23s16 | 0n17 | 7n39 | 0n44 | 2n28 | 1n31 | 26n53 | 8n 1 | 23n32 | 23n31 | 15n43 | 18n24 | 5s 6 |
| F 2 | 6 28 | 23 21 | 2 32 | 10 26 | 1 48 | 6 52 | 1 23 | 25 37 | 2 47 | 16 37 | 0 47 | 23 16 | 0 17 | 7 38 | 0 44 | 2 28 | 1 31 | 26 53 | 8 2 | 23 32 | 23 31 | 15 45 | 18 23 | 5 7 |
| S 3 | 6 6 | 21 8 | 3 27 | 9 42 | 1 46 | 6 23 | 1 23 | 25 40 | 2 46 | 16 33 | 0 47 | 23 16 | 0 17 | 7 36 | 0 44 | 2 27 | 1 31 | 26 53 | 8 2 | 23 32 | 23 31 | 15 48 | 18 23 | 5 7 |
| S 4 | 5 43 | 17 42 | 4 12 | 8 58 | 1 44 | 5 53 | 1 22 | 25 43 | 2 45 | 16 29 | 0 47 | 23 16 | 0 16 | 7 35 | 0 44 | 2 26 | 1 31 | 26 53 | 8 2 | 23 32 | 23 31 | 15 50 | 18 22 | 5 8 |
| M 5 | 5 20 | 13 13 | 4 44 | 8 13 | 1 41 | 5 23 | 1 22 | 25 46 | 2 44 | 16 26 | 0 48 | 23 16 | 0 16 | 7 33 | 0 44 | 2 25 | 1 31 | 26 53 | 8 2 | 23 32 | 23 31 | 15 52 | 18 22 | 5 8 |
| T 6 | 4 57 | 7 55 | 5 0 | 7 27 | 1 38 | 4 52 | 1 21 | 25 48 | 2 44 | 16 22 | 0 48 | 23 16 | 0 16 | 7 32 | 0 44 | 2 24 | 1 31 | 26 52 | 8 2 | 23 31 | 23 30 | 15 55 | 18 21 | 5 9 |
| W 7 | 4 34 | 2 6 | 4 56 | 6 41 | 1 34 | 4 22 | 1 20 | 25 51 | 2 43 | 16 19 | 0 48 | 23 16 | 0 16 | 7 31 | 0 44 | 2 23 | 1 31 | 26 52 | 8 3 | 23 31 | 23 30 | 15 57 | 18 20 | 5 9 |
| T 8 | 4 10 | 3s53 | 4 34 | 5 55 | 1 30 | 3 51 | 1 19 | 25 53 | 2 42 | 16 15 | 0 48 | 23 16 | 0 16 | 7 29 | 0 44 | 2 22 | 1 31 | 26 52 | 8 3 | 23 31 | 23 30 | 16 0 | 18 20 | 5 10 |
| F 9 | 3 47 | 9 41 | 3 53 | 5 8 | 1 26 | 3 21 | 1 19 | 25 55 | 2 41 | 16 11 | 0 48 | 23 16 | 0 16 | 7 28 | 0 44 | 2 21 | 1 31 | 26 52 | 8 3 | 23 31 | 23 30 | 16 2 | 18 19 | 5 10 |
| S 10 | 3 24 | 14 56 | 2 58 | 4 22 | 1 21 | 2 50 | 1 18 | 25 57 | 2 40 | 16 8 | 0 48 | 23 16 | 0 16 | 7 26 | 0 44 | 2 20 | 1 31 | 26 52 | 8 3 | 23 30 | 23 30 | 16 4 | 18 19 | 5 11 |
| S 11 | 3 0 | 19 16 | 1 52 | 3 35 | 1 16 | 2 19 | 1 17 | 25 58 | 2 39 | 16 4 | 0 48 | 23 17 | 0 16 | 7 25 | 0 44 | 2 20 | 1 31 | 26 52 | 8 4 | 23 30 | 23 30 | 16 7 | 18 18 | 5 11 |
| M12 | 2 37 | 22 24 | 0 39 | 2 48 | 1 10 | 1 48 | 1 16 | 26 0 | 2 38 | 16 1 | 0 49 | 23 17 | 0 16 | 7 23 | 0 44 | 2 19 | 1 31 | 26 52 | 8 4 | 23 30 | 23 30 | 16 9 | 18 17 | 5 12 |
| T 13 | 2 13 | 24 8 | 0s34 | 2 1 | 1 5 | 1 17 | 1 15 | 26 1 | 2 37 | 15 57 | 0 49 | 23 17 | 0 15 | 7 22 | 0 44 | 2 18 | 1 31 | 26 52 | 8 4 | 23 30 | 23 30 | 16 12 | 18 17 | 5 12 |
| W14 | 1 50 | 24 21 | 1 45 | 1 15 | 0 59 | 0 46 | 1 13 | 26 2 | 2 36 | 15 53 | 0 49 | 23 17 | 0 15 | 7 21 | 0 44 | 2 17 | 1 31 | 26 51 | 8 4 | 23 30 | 23 30 | 16 14 | 18 16 | 5 13 |
| T 15 | 1 26 | 23 7 | 2 48 | 0 28 | 0 53 | 0 15 | 1 12 | 26 3 | 2 36 | 15 50 | 0 49 | 23 17 | 0 15 | 7 19 | 0 44 | 2 16 | 1 31 | 26 51 | 8 5 | 23 30 | 23 29 | 16 16 | 18 15 | 5 13 |
| F 16 | 1 2 | 20 37 | 3 41 | 0s18 | 0 47 | 0s16 | 1 11 | 26 3 | 2 35 | 15 46 | 0 49 | 23 17 | 0 15 | 7 18 | 0 44 | 2 15 | 1 31 | 26 51 | 8 5 | 23 30 | 23 29 | 16 19 | 18 15 | 5 14 |
| S 17 | 0 39 | 17 4 | 4 22 | 1 4 | 0 41 | 0 47 | 1 10 | 26 4 | 2 34 | 15 43 | 0 49 | 23 17 | 0 15 | 7 16 | 0 44 | 2 14 | 1 31 | 26 51 | 8 5 | 23 30 | 23 29 | 16 21 | 18 14 | 5 14 |
| S 18 | 0 15 | 12 45 | 4 48 | 1 49 | 0 34 | 1 18 | 1 8 | 26 4 | 2 33 | 15 39 | 0 49 | 23 17 | 0 15 | 7 15 | 0 44 | 2 13 | 1 31 | 26 51 | 8 5 | 23 29 | 23 29 | 16 23 | 18 14 | 5 15 |
| M19 | 0s 9 | 7 56 | 4 59 | 2 35 | 0 28 | 1 49 | 1 7 | 26 4 | 2 32 | 15 36 | 0 50 | 23 17 | 0 15 | 7 13 | 0 44 | 2 12 | 1 31 | 26 51 | 8 6 | 23 29 | 23 29 | 16 26 | 18 13 | 5 16 |
| T 20 | 0 32 | 2 52 | 4 56 | 3 20 | 0 21 | 2 20 | 1 5 | 26 4 | 2 31 | 15 32 | 0 50 | 23 17 | 0 15 | 7 12 | 0 44 | 2 12 | 1 31 | 26 51 | 8 6 | 23 28 | 23 29 | 16 28 | 18 12 | 5 16 |
| W21 | 0 56 | 2n14 | 4 39 | 4 5 | 0 14 | 2 51 | 1 4 | 26 4 | 2 30 | 15 29 | 0 50 | 23 17 | 0 15 | 7 11 | 0 44 | 2 11 | 1 31 | 26 51 | 8 6 | 23 28 | 23 29 | 16 30 | 18 12 | 5 17 |
| T 22 | 1 20 | 7 11 | 4 9 | 4 49 | 0 8 | 3 22 | 1 2 | 26 3 | 2 29 | 15 25 | 0 50 | 23 17 | 0 14 | 7 9 | 0 44 | 2 10 | 1 31 | 26 51 | 8 6 | 23 27 | 23 29 | 16 33 | 18 11 | 5 17 |
| F 23 | 1 44 | 11 48 | 3 28 | 5 33 | 0 1 | 3 53 | 1 1 | 26 2 | 2 28 | 15 22 | 0 50 | 23 17 | 0 14 | 7 8 | 0 44 | 2 9 | 1 32 | 26 51 | 8 7 | 23 27 | 23 29 | 16 35 | 18 10 | 5 18 |
| S 24 | 2 7 | 15 57 | 2 39 | 6 16 | 0s 6 | 4 24 | 0 59 | 26 1 | 2 27 | 15 18 | 0 50 | 23 17 | 0 14 | 7 6 | 0 44 | 2 8 | 1 32 | 26 51 | 8 7 | 23 27 | 23 28 | 16 37 | 18 10 | 5 18 |
| S 25 | 2 31 | 19 27 | 1 43 | 6 59 | 0 13 | 4 55 | 0 57 | 26 0 | 2 26 | 15 15 | 0 51 | 23 17 | 0 14 | 7 5 | 0 44 | 2 7 | 1 32 | 26 51 | 8 7 | 23 26 | 23 28 | 16 40 | 18 9 | 5 19 |
| M26 | 2 55 | 22 9 | 0 42 | 7 42 | 0 20 | 5 25 | 0 55 | 25 58 | 2 25 | 15 12 | 0 51 | 23 18 | 0 14 | 7 4 | 0 44 | 2 6 | 1 32 | 26 51 | 8 7 | 23 26 | 23 28 | 16 42 | 18 9 | 5 19 |
| T 27 | 3 18 | 23 55 | 0n21 | 8 24 | 0 27 | 5 56 | 0 54 | 25 57 | 2 24 | 15 8 | 0 51 | 23 18 | 0 14 | 7 2 | 0 44 | 2 5 | 1 32 | 26 51 | 8 8 | 23 26 | 23 28 | 16 44 | 18 8 | 5 20 |
| W28 | 3 42 | 24 35 | 1 24 | 9 5 | 0 34 | 6 26 | 0 52 | 25 55 | 2 23 | 15 5 | 0 51 | 23 18 | 0 14 | 7 1 | 0 44 | 2 5 | 1 32 | 26 51 | 8 8 | 23 26 | 23 28 | 16 47 | 18 7 | 5 21 |
| T 29 | 4 6 | 24 5 | 2 24 | 9 46 | 0 40 | 6 57 | 0 50 | 25 53 | 2 22 | 15 2 | 0 51 | 23 18 | 0 14 | 7 0 | 0 44 | 2 4 | 1 32 | 26 51 | 8 8 | 23 26 | 23 28 | 16 49 | 18 7 | 5 21 |
| F 30 | 4s29 | 22n21 | 3n19 | 10s26 | 0s47 | 7s27 | 0n48 | 25s50 | 2s21 | 14n58 | 0n51 | 23s18 | 0n14 | 6n58 | 0n44 | 2n 3 | 1n32 | 26n51 | 8n 9 | 23n26 | 23n28 | 16n51 | 18n 6 | 5s22 |

Julian Day Number = 2071575.5, Delta T = 27m56s
Ecliptic obliquity = 23°34'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'30, Lahiri = 9°21'30 Julian Calendar 1 Sept. 959 == Greg. Calendar 6 Sept. 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## OCTOBER 959 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 56 34 | 12♎16'28 | 18♌ 1 | 26♎27 | 22♎ 7 | 5♏15 | 22♌27 | 3♏46 | 14♍ 8 | 28♍25 | 5♌38 | 23°R54 | 24♊29 | 25♉45 | 5♋29 | S 1 |
| S 2 | 1 0 31 | 13°16'15 | 1♍32 | 27°58 | 23°22 | 5°57 | 22°38 | 3°49 | 14°12 | 28°27 | 5°39 | 23♊46 | 24°26 | 25°52 | 5°30 | S 2 |
| M 3 | 1 4 27 | 14°16'05 | 15°32 | 29°28 | 24°37 | 6°39 | 22°48 | 3°51 | 14°15 | 28°29 | 5°40 | 23°37 | 24°23 | 25°58 | 5°30 | M 3 |
| T 4 | 1 8 24 | 15°15'57 | 29°58 | 0♏57 | 25°52 | 7°20 | 22°58 | 3°54 | 14°19 | 28°32 | 5°41 | 23°26 | 24°20 | 26° 5 | 5°31 | T 4 |
| W 5 | 1 12 21 | 16°15'52 | 14♎44 | 2°26 | 27° 7 | 8° 2 | 23° 9 | 3°58 | 14°22 | 28°34 | 5°42 | 23°16 | 24°17 | 26°12 | 5°32 | W 5 |
| T 6 | 1 16 17 | 17°15'48 | 29°42 | 3°54 | 28°22 | 8°44 | 23°19 | 4° 1 | 14°25 | 28°36 | 5°43 | 23° 6 | 24°13 | 26°18 | 5°32 | T 6 |
| F 7 | 1 20 14 | 18°15'46 | 14♏42 | 5°21 | 29°37 | 9°26 | 23°29 | 4° 4 | 14°29 | 28°38 | 5°43 | 22°59 | 24°10 | 26°25 | 5°33 | F 7 |
| S 8 | 1 24 10 | 19°15'46 | 29°36 | 6°48 | 0♏52 | 10° 9 | 23°38 | 4° 7 | 14°32 | 28°40 | 5°44 | 22°54 | 24° 7 | 26°32 | 5°33 | S 8 |
| S 9 | 1 28 7 | 20°15'48 | 14♐16 | 8°14 | 2° 7 | 10°51 | 23°48 | 4°11 | 14°35 | 28°42 | 5°45 | 22°52 | 24° 4 | 26°38 | 5°33 | S 9 |
| M10 | 1 32 3 | 21°15'51 | 28°38 | 9°40 | 3°22 | 11°33 | 23°58 | 4°14 | 14°38 | 28°44 | 5°45 | 22°D52 | 24° 1 | 26°45 | 5°33 | M10 |
| T 11 | 1 36 0 | 22°15'56 | 12♑40 | 11° 4 | 4°37 | 12°16 | 24° 7 | 4°18 | 14°42 | 28°47 | 5°46 | 22°53 | 23°57 | 26°52 | 5°R34 | T 11 |
| W12 | 1 39 56 | 23°16'03 | 26°22 | 12°28 | 5°52 | 12°58 | 24°17 | 4°21 | 14°45 | 28°49 | 5°47 | 22°R53 | 23°54 | 26°58 | 5°34 | W12 |
| T 13 | 1 43 53 | 24°16'11 | 9♒44 | 13°52 | 7° 7 | 13°41 | 24°26 | 4°25 | 14°48 | 28°51 | 5°47 | 22°52 | 23°51 | 27° 5 | 5°33 | T 13 |
| F 14 | 1 47 50 | 25°16'21 | 22°51 | 15°14 | 8°22 | 14°24 | 24°35 | 4°29 | 14°51 | 28°53 | 5°48 | 22°48 | 23°48 | 27°12 | 5°33 | F 14 |
| S 15 | 1 51 46 | 26°16'33 | 5♓42 | 16°35 | 9°37 | 15° 7 | 24°45 | 4°33 | 14°54 | 28°55 | 5°48 | 22°42 | 23°45 | 27°18 | 5°33 | S 15 |
| S 16 | 1 55 43 | 27°16'45 | 18°21 | 17°55 | 10°52 | 15°49 | 24°54 | 4°37 | 14°57 | 28°57 | 5°49 | 22°34 | 23°42 | 27°25 | 5°33 | S 16 |
| M17 | 1 59 39 | 28°17'00 | 0♈48 | 19°14 | 12° 7 | 16°32 | 25° 2 | 4°41 | 15° 0 | 28°59 | 5°49 | 22°24 | 23°38 | 27°31 | 5°32 | M17 |
| T 18 | 2 3 36 | 29°17'16 | 13° 6 | 20°32 | 13°22 | 17°15 | 25°11 | 4°45 | 15° 3 | 29° 1 | 5°50 | 22°14 | 23°35 | 27°38 | 5°32 | T 18 |
| W19 | 2 7 32 | 0♏17'34 | 25°14 | 21°49 | 14°37 | 17°59 | 25°20 | 4°49 | 15° 6 | 29° 3 | 5°50 | 22° 4 | 23°32 | 27°45 | 5°31 | W19 |
| T 20 | 2 11 29 | 1°17'54 | 7♉15 | 23° 4 | 15°52 | 18°42 | 25°28 | 4°54 | 15° 9 | 29° 5 | 5°51 | 21°55 | 23°29 | 27°51 | 5°30 | T 20 |
| F 21 | 2 15 25 | 2°18'15 | 19° 9 | 24°17 | 17° 7 | 19°25 | 25°37 | 4°58 | 15°12 | 29° 7 | 5°51 | 21°48 | 23°26 | 27°58 | 5°29 | F 21 |
| S 22 | 2 19 22 | 3°18'39 | 0♊58 | 25°28 | 18°22 | 20° 8 | 25°45 | 5° 3 | 15°15 | 29° 9 | 5°51 | 21°43 | 23°23 | 28° 5 | 5°28 | S 22 |
| S 23 | 2 23 19 | 4°19'04 | 12°45 | 26°37 | 19°37 | 20°52 | 25°53 | 5° 7 | 15°17 | 29°11 | 5°52 | 21°40 | 23°19 | 28°11 | 5°27 | S 23 |
| M24 | 2 27 15 | 5°19'31 | 24°32 | 27°44 | 20°52 | 21°35 | 26° 1 | 5°12 | 15°20 | 29°12 | 5°52 | 21°D40 | 23°16 | 28°18 | 5°26 | M24 |
| T 25 | 2 31 12 | 6°20'00 | 6♋25 | 28°48 | 22° 7 | 22°18 | 26° 9 | 5°16 | 15°23 | 29°14 | 5°52 | 21°41 | 23°13 | 28°25 | 5°25 | T 25 |
| W26 | 2 35 8 | 7°20'31 | 18°26 | 29°49 | 23°22 | 23° 2 | 26°17 | 5°21 | 15°26 | 29°16 | 5°53 | 21°42 | 23°10 | 28°31 | 5°24 | W26 |
| T 27 | 2 39 5 | 8°21'03 | 0♌41 | 0♐47 | 24°37 | 23°45 | 26°25 | 5°26 | 15°28 | 29°18 | 5°53 | 21°44 | 23° 7 | 28°38 | 5°23 | T 27 |
| F 28 | 2 43 1 | 9°21'38 | 13°16 | 1°40 | 25°52 | 24°29 | 26°32 | 5°31 | 15°31 | 29°20 | 5°53 | 21°R44 | 23° 3 | 28°45 | 5°21 | F 28 |
| S 29 | 2 46 58 | 10°22'14 | 26°13 | 2°30 | 27° 7 | 25°13 | 26°39 | 5°36 | 15°33 | 29°22 | 5°53 | 21°43 | 23° 0 | 28°51 | 5°20 | S 29 |
| S 30 | 2 50 54 | 11°22'52 | 9♍39 | 3°14 | 28°22 | 25°56 | 26°47 | 5°41 | 15°36 | 29°23 | 5°53 | 21°39 | 22°57 | 28°58 | 5°18 | S 30 |
| M31 | 2 54 51 | 12♏23'32 | 23♍33 | 3♐53 | 29♏37 | 26♑40 | 26♌54 | 5♑46 | 15♍38 | 29♍25 | 5♌53 | 21♊35 | 22♊54 | 29♉ 5 | 5♋16 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s53 | 19n25 | 4n 6 | 11s 6 | 0s54 | 7s57 | 0n46 | 25s48 | 2s20 | 14n55 | 0n52 | 23s18 | 0n14 | 6n57 | 0n44 | 2n 2 | 1n32 | 26n51 | 8n 9 | 23n26 | 23n28 | 16n54 | 18n 6 | 5s22 |
| S 2 | 5 16 | 15 21 | 4 40 | 11 45 | 1 1 | 8 27 | 0 44 | 25 45 | 2 19 | 14 52 | 0 52 | 23 18 | 0 13 | 6 56 | 0 44 | 2 1 | 1 32 | 26 51 | 8 9 | 23 26 | 23 27 | 16 56 | 18 5 | 5 23 |
| M 3 | 5 39 | 10 20 | 5 0 | 12 24 | 1 7 | 8 57 | 0 42 | 25 42 | 2 17 | 14 49 | 0 52 | 23 18 | 0 13 | 6 54 | 0 44 | 2 0 | 1 32 | 26 51 | 8 9 | 23 25 | 23 27 | 16 58 | 18 4 | 5 23 |
| T 4 | 6 3 | 4 36 | 5 1 | 13 1 | 1 14 | 9 26 | 0 40 | 25 38 | 2 16 | 14 45 | 0 52 | 23 18 | 0 13 | 6 53 | 0 44 | 1 59 | 1 32 | 26 51 | 8 10 | 23 25 | 23 27 | 17 1 | 18 4 | 5 24 |
| W 5 | 6 26 | 1s30 | 4 42 | 13 38 | 1 20 | 9 55 | 0 38 | 25 35 | 2 15 | 14 42 | 0 52 | 23 18 | 0 13 | 6 52 | 0 44 | 1 59 | 1 32 | 26 51 | 8 10 | 23 24 | 23 27 | 17 3 | 18 3 | 5 25 |
| T 6 | 6 49 | 7 37 | 4 4 | 14 15 | 1 27 | 10 24 | 0 35 | 25 31 | 2 14 | 14 39 | 0 53 | 23 18 | 0 13 | 6 51 | 0 44 | 1 58 | 1 32 | 26 51 | 8 10 | 23 24 | 23 27 | 17 5 | 18 3 | 5 25 |
| F 7 | 7 12 | 13 20 | 3 9 | 14 50 | 1 33 | 10 53 | 0 33 | 25 27 | 2 13 | 14 36 | 0 53 | 23 18 | 0 13 | 6 49 | 0 44 | 1 57 | 1 32 | 26 51 | 8 11 | 23 23 | 23 27 | 17 8 | 18 2 | 5 26 |
| S 8 | 7 35 | 18 13 | 2 1 | 15 25 | 1 39 | 11 22 | 0 31 | 25 23 | 2 12 | 14 33 | 0 53 | 23 18 | 0 13 | 6 48 | 0 44 | 1 56 | 1 32 | 26 51 | 8 11 | 23 23 | 23 27 | 17 10 | 18 1 | 5 26 |
| S 9 | 7 58 | 21 53 | 0 46 | 15 59 | 1 45 | 11 50 | 0 29 | 25 18 | 2 11 | 14 30 | 0 53 | 23 18 | 0 13 | 6 47 | 0 44 | 1 55 | 1 32 | 26 52 | 8 11 | 23 23 | 23 26 | 17 12 | 18 1 | 5 27 |
| M10 | 8 20 | 24 5 | 0s31 | 16 32 | 1 50 | 12 18 | 0 26 | 25 14 | 2 10 | 14 27 | 0 53 | 23 18 | 0 13 | 6 46 | 0 44 | 1 54 | 1 32 | 26 52 | 8 11 | 23 23 | 23 26 | 17 14 | 18 0 | 5 27 |
| T 11 | 8 43 | 24 41 | 1 44 | 17 4 | 1 56 | 12 45 | 0 24 | 25 9 | 2 9 | 14 24 | 0 53 | 23 18 | 0 13 | 6 44 | 0 44 | 1 54 | 1 32 | 26 52 | 8 12 | 23 23 | 23 26 | 17 17 | 18 0 | 5 28 |
| W12 | 9 5 | 23 46 | 2 49 | 17 35 | 2 1 | 13 13 | 0 22 | 25 3 | 2 8 | 14 21 | 0 54 | 23 18 | 0 12 | 6 43 | 0 44 | 1 53 | 1 32 | 26 52 | 8 12 | 23 23 | 23 26 | 17 19 | 17 59 | 5 29 |
| T 13 | 9 28 | 21 30 | 3 44 | 18 6 | 2 6 | 13 40 | 0 19 | 24 58 | 2 7 | 14 18 | 0 54 | 23 18 | 0 12 | 6 42 | 0 44 | 1 52 | 1 32 | 26 52 | 8 12 | 23 23 | 23 26 | 17 21 | 17 59 | 5 29 |
| F 14 | 9 50 | 18 9 | 4 25 | 18 35 | 2 11 | 14 7 | 0 17 | 24 52 | 2 6 | 14 15 | 0 54 | 23 18 | 0 12 | 6 41 | 0 44 | 1 51 | 1 32 | 26 52 | 8 13 | 23 23 | 23 26 | 17 24 | 17 58 | 5 30 |
| S 15 | 10 12 | 14 0 | 4 52 | 19 3 | 2 16 | 14 33 | 0 15 | 24 46 | 2 4 | 14 12 | 0 54 | 23 18 | 0 12 | 6 40 | 0 44 | 1 50 | 1 32 | 26 52 | 8 13 | 23 22 | 23 26 | 17 26 | 17 57 | 5 30 |
| S 16 | 10 34 | 9 18 | 5 5 | 19 30 | 2 20 | 14 59 | 0 12 | 24 40 | 2 3 | 14 9 | 0 54 | 23 18 | 0 12 | 6 38 | 0 44 | 1 50 | 1 32 | 26 52 | 8 13 | 23 22 | 23 25 | 17 28 | 17 57 | 5 31 |
| M17 | 10 55 | 4 18 | 5 2 | 19 56 | 2 24 | 15 24 | 0 10 | 24 34 | 2 2 | 14 6 | 0 55 | 23 17 | 0 12 | 6 37 | 0 44 | 1 49 | 1 32 | 26 53 | 8 14 | 23 21 | 23 25 | 17 30 | 17 56 | 5 31 |
| T 18 | 11 17 | 0n49 | 4 46 | 20 21 | 2 28 | 15 50 | 0 7 | 24 27 | 2 1 | 14 4 | 0 55 | 23 17 | 0 12 | 6 36 | 0 44 | 1 48 | 1 32 | 26 53 | 8 14 | 23 21 | 23 25 | 17 33 | 17 56 | 5 32 |
| W19 | 11 38 | 5 50 | 4 16 | 20 45 | 2 31 | 16 14 | 0 5 | 24 20 | 2 0 | 14 1 | 0 55 | 23 17 | 0 12 | 6 35 | 0 44 | 1 47 | 1 32 | 26 53 | 8 14 | 23 20 | 23 25 | 17 35 | 17 55 | 5 33 |
| T 20 | 11 59 | 10 36 | 3 36 | 21 7 | 2 34 | 16 39 | 0 2 | 24 13 | 1 59 | 13 58 | 0 55 | 23 17 | 0 12 | 6 34 | 0 44 | 1 47 | 1 32 | 26 53 | 8 14 | 23 20 | 23 25 | 17 37 | 17 55 | 5 33 |
| F 21 | 12 20 | 14 57 | 2 46 | 21 28 | 2 36 | 17 3 | 0s 0 | 24 6 | 1 58 | 13 56 | 0 56 | 23 17 | 0 12 | 6 33 | 0 44 | 1 46 | 1 32 | 26 53 | 8 15 | 23 19 | 23 25 | 17 40 | 17 54 | 5 34 |
| S 22 | 12 41 | 18 41 | 1 50 | 21 48 | 2 38 | 17 26 | 0 3 | 23 59 | 1 57 | 13 53 | 0 56 | 23 17 | 0 12 | 6 32 | 0 44 | 1 45 | 1 32 | 26 54 | 8 15 | 23 19 | 23 24 | 17 42 | 17 54 | 5 34 |
| S 23 | 13 2 | 21 40 | 0 48 | 22 6 | 2 40 | 17 49 | 0 5 | 23 51 | 1 56 | 13 50 | 0 56 | 23 17 | 0 11 | 6 31 | 0 45 | 1 44 | 1 32 | 26 54 | 8 15 | 23 19 | 23 24 | 17 44 | 17 53 | 5 35 |
| M24 | 13 22 | 23 43 | 0n16 | 22 22 | 2 41 | 18 12 | 0 8 | 23 43 | 1 54 | 13 48 | 0 56 | 23 17 | 0 11 | 6 30 | 0 45 | 1 44 | 1 32 | 26 54 | 8 16 | 23 19 | 23 24 | 17 46 | 17 53 | 5 35 |
| T 25 | 13 42 | 24 44 | 1 19 | 22 37 | 2 41 | 18 34 | 0 10 | 23 35 | 1 53 | 13 45 | 0 56 | 23 17 | 0 11 | 6 29 | 0 45 | 1 43 | 1 32 | 26 54 | 8 16 | 23 19 | 23 24 | 17 49 | 17 52 | 5 36 |
| W26 | 14 2 | 24 37 | 2 20 | 22 50 | 2 40 | 18 56 | 0 13 | 23 26 | 1 52 | 13 43 | 0 57 | 23 17 | 0 11 | 6 28 | 0 45 | 1 42 | 1 32 | 26 54 | 8 16 | 23 19 | 23 24 | 17 51 | 17 52 | 5 36 |
| T 27 | 14 22 | 23 18 | 3 16 | 23 1 | 2 39 | 19 17 | 0 15 | 23 18 | 1 51 | 13 40 | 0 57 | 23 17 | 0 11 | 6 27 | 0 45 | 1 41 | 1 32 | 26 55 | 8 17 | 23 19 | 23 24 | 17 53 | 17 51 | 5 37 |
| F 28 | 14 42 | 20 49 | 4 4 | 23 11 | 2 37 | 19 37 | 0 18 | 23 9 | 1 50 | 13 38 | 0 57 | 23 17 | 0 11 | 6 26 | 0 45 | 1 41 | 1 32 | 26 55 | 8 17 | 23 19 | 23 23 | 17 55 | 17 51 | 5 38 |
| S 29 | 15 1 | 17 14 | 4 41 | 23 18 | 2 34 | 19 57 | 0 20 | 23 0 | 1 49 | 13 36 | 0 57 | 23 16 | 0 11 | 6 25 | 0 45 | 1 40 | 1 32 | 26 55 | 8 17 | 23 19 | 23 23 | 17 57 | 17 50 | 5 38 |
| S 30 | 15 20 | 12 41 | 5 4 | 23 23 | 2 30 | 20 17 | 0 23 | 22 50 | 1 48 | 13 34 | 0 58 | 23 16 | 0 11 | 6 24 | 0 45 | 1 39 | 1 33 | 26 56 | 8 18 | 23 19 | 23 23 | 18 0 | 17 50 | 5 39 |
| M31 | 15s39 | 7n19 | 5n11 | 23s25 | 2s25 | 20s36 | 0s25 | 22s41 | 1s46 | 13n31 | 0n58 | 23s16 | 0n11 | 6n23 | 0n45 | 1n39 | 1n33 | 26n56 | 8n18 | 23n18 | 23n23 | 18n 2 | 17n49 | 5s39 |

Julian Day Number = 2071605.5, Delta T = 27m56s
Ecliptic obliquity = 23°34'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'34, Lahiri = 9°21'34 Julian Calendar 1 Oct. 959 == Greg. Calendar 6 Oct. 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## NOVEMBER 959 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 58 48 | 13♏24'14 | 7♎57 | 4♐25 | 0♐52 | 27♑24 | 27♌ 1 | 5♑51 | 15♍41 | 29♍27 | 5♌53 | 21°R29 | 22♊51 | 29♉11 | 5°R15 | T 1 |
| W 2 | 3 2 44 | 14°24'57 | 22°44 | 4°51 | 2° 7 | 28° 8 | 27° 8 | 5°56 | 15°43 | 29°29 | 5°R53 | 21♊23 | 22°48 | 29°18 | 5♋13 | W 2 |
| T 3 | 3 6 41 | 15°25'41 | 7♏50 | 5° 8 | 3°22 | 28°52 | 27°14 | 6° 2 | 15°46 | 29°30 | 5°53 | 21°18 | 22°44 | 29°25 | 5°11 | T 3 |
| F 4 | 3 10 37 | 16°26'28 | 23° 4 | 5°R17 | 4°37 | 29°36 | 27°21 | 6° 7 | 15°48 | 29°32 | 5°53 | 21°14 | 22°41 | 29°31 | 5° 9 | F 4 |
| S 5 | 3 14 34 | 17°27'15 | 8♐16 | 5°17 | 5°52 | 0♒20 | 27°27 | 6°12 | 15°50 | 29°34 | 5°53 | 21°11 | 22°38 | 29°38 | 5° 7 | S 5 |
| S 6 | 3 18 30 | 18°28'04 | 23°16 | 5° 7 | 7° 7 | 1° 4 | 27°33 | 6°18 | 15°52 | 29°35 | 5°53 | 21°D11 | 22°35 | 29°45 | 5° 5 | S 6 |
| M 7 | 3 22 27 | 19°28'54 | 7♑57 | 4°46 | 8°22 | 1°48 | 27°39 | 6°24 | 15°55 | 29°37 | 5°53 | 21°11 | 22°32 | 29°51 | 5° 2 | M 7 |
| T 8 | 3 26 23 | 20°29'45 | 22°14 | 4°14 | 9°37 | 2°32 | 27°45 | 6°29 | 15°57 | 29°39 | 5°53 | 21°13 | 22°29 | 29°58 | 5° 0 | T 8 |
| W 9 | 3 30 20 | 21°30'37 | 6♒ 6 | 3°31 | 10°52 | 3°16 | 27°51 | 6°35 | 15°59 | 29°40 | 5°53 | 21°14 | 22°25 | 0♊ 5 | 4°58 | W 9 |
| T 10 | 3 34 17 | 22°31'30 | 19°33 | 2°38 | 12° 7 | 4° 0 | 27°57 | 6°41 | 16° 1 | 29°42 | 5°53 | 21°R15 | 22°22 | 0°11 | 4°55 | T 10 |
| F 11 | 3 38 13 | 23°32'24 | 2♓38 | 1°35 | 13°22 | 4°44 | 28° 2 | 6°46 | 16° 3 | 29°43 | 5°52 | 21°15 | 22°19 | 0°18 | 4°53 | F 11 |
| S 12 | 3 42 10 | 24°33'18 | 15°23 | 0°23 | 14°37 | 5°29 | 28° 7 | 6°52 | 16° 5 | 29°45 | 5°52 | 21°13 | 22°16 | 0°25 | 4°50 | S 12 |
| S 13 | 3 46 6 | 25°34'13 | 27°52 | 29♏ 6 | 15°52 | 6°13 | 28°12 | 6°58 | 16° 7 | 29°46 | 5°52 | 21°10 | 22°13 | 0°31 | 4°48 | S 13 |
| M14 | 3 50 3 | 26°35'10 | 10♈ 7 | 27°44 | 17° 7 | 6°57 | 28°17 | 7° 4 | 16° 9 | 29°47 | 5°51 | 21° 7 | 22° 9 | 0°38 | 4°45 | M14 |
| T 15 | 3 53 59 | 27°36'07 | 22°13 | 26°21 | 18°22 | 7°41 | 28°22 | 7°10 | 16°10 | 29°49 | 5°51 | 21° 2 | 22° 6 | 0°45 | 4°42 | T 15 |
| W16 | 3 57 56 | 28°37'04 | 4♉11 | 25° 0 | 19°37 | 8°26 | 28°27 | 7°16 | 16°12 | 29°50 | 5°51 | 20°58 | 22° 3 | 0°51 | 4°39 | W16 |
| T 17 | 4 1 52 | 29°38'03 | 16° 4 | 23°43 | 20°52 | 9°10 | 28°31 | 7°22 | 16°14 | 29°52 | 5°50 | 20°55 | 22° 0 | 0°58 | 4°36 | T 17 |
| F 18 | 4 5 49 | 0♐39'03 | 27°53 | 22°32 | 22° 7 | 9°54 | 28°35 | 7°28 | 16°15 | 29°53 | 5°50 | 20°52 | 21°57 | 1° 5 | 4°33 | F 18 |
| S 19 | 4 9 46 | 1°40'04 | 9♊41 | 21°31 | 23°21 | 10°39 | 28°39 | 7°34 | 16°17 | 29°54 | 5°49 | 20°51 | 21°54 | 1°11 | 4°30 | S 19 |
| S 20 | 4 13 42 | 2°41'05 | 21°30 | 20°39 | 24°36 | 11°23 | 28°43 | 7°41 | 16°19 | 29°55 | 5°49 | 20°D50 | 21°50 | 1°18 | 4°27 | S 20 |
| M21 | 4 17 39 | 3°42'08 | 3♋22 | 19°58 | 25°51 | 12° 8 | 28°47 | 7°47 | 16°20 | 29°57 | 5°48 | 20°51 | 21°47 | 1°24 | 4°24 | M21 |
| T 22 | 4 21 35 | 4°43'11 | 15°20 | 19°29 | 27° 6 | 12°52 | 28°51 | 7°53 | 16°21 | 29°58 | 5°48 | 20°52 | 21°44 | 1°31 | 4°20 | T 22 |
| W23 | 4 25 32 | 5°44'15 | 27°26 | 19°10 | 28°21 | 13°36 | 28°54 | 8° 0 | 16°23 | 29°59 | 5°47 | 20°53 | 21°41 | 1°38 | 4°17 | W23 |
| T 24 | 4 29 28 | 6°45'21 | 9♌45 | 19°D 3 | 29°36 | 14°21 | 28°57 | 8° 6 | 16°24 | 0♎ 0 | 5°47 | 20°55 | 21°38 | 1°44 | 4°14 | T 24 |
| F 25 | 4 33 25 | 7°46'27 | 22°19 | 19° 6 | 0♑50 | 15° 5 | 29° 0 | 8°12 | 16°25 | 0° 1 | 5°46 | 20°56 | 21°35 | 1°51 | 4°10 | F 25 |
| S 26 | 4 37 21 | 8°47'34 | 5♍13 | 19°18 | 2° 5 | 15°50 | 29° 3 | 8°19 | 16°27 | 0° 2 | 5°46 | 20°R56 | 21°31 | 1°58 | 4° 7 | S 26 |
| S 27 | 4 41 18 | 9°48'42 | 18°30 | 19°39 | 3°20 | 16°34 | 29° 6 | 8°25 | 16°28 | 0° 3 | 5°45 | 20°56 | 21°28 | 2° 4 | 4° 3 | S 27 |
| M28 | 4 45 15 | 10°49'51 | 2♎13 | 20° 8 | 4°35 | 17°19 | 29° 8 | 8°32 | 16°29 | 0° 4 | 5°44 | 20°55 | 21°25 | 2°11 | 4° 0 | M28 |
| T 29 | 4 49 11 | 11°51'00 | 16°21 | 20°43 | 5°49 | 18° 3 | 29°10 | 8°39 | 16°30 | 0° 5 | 5°43 | 20°55 | 21°22 | 2°18 | 3°56 | T 29 |
| W30 | 4 53 8 | 12♐52'11 | 0♏55 | 21♏26 | 7♑ 4 | 18♒48 | 29♌13 | 8♑45 | 16♍31 | 0♎ 6 | 5♌43 | 20♊53 | 21♊19 | 2♊24 | 3♋53 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s57 | 1n24 | 4n58 | 23s26 | 2s19 | 20s54 | 0s28 | 22s31 | 1s45 | 13n29 | 0n58 | 23s16 | 0n11 | 6n22 | 0n45 | 1n38 | 1n33 | 26n56 | 8n18 | 23n18 | 23n23 | 18n 4 | 17n49 | 5s40 |
| W 2 | 16 15 | 4s47 | 4 26 | 23 23 | 2 12 | 21 12 | 0 30 | 22 21 | 1 44 | 13 27 | 0 58 | 23 16 | 0 11 | 6 21 | 0 45 | 1 37 | 1 33 | 26 56 | 8 18 | 23 18 | 23 23 | 18 6 | 17 48 | 5 40 |
| T 3 | 16 33 | 10 49 | 3 35 | 23 18 | 2 3 | 21 29 | 0 33 | 22 11 | 1 43 | 13 25 | 0 59 | 23 16 | 0 10 | 6 20 | 0 45 | 1 37 | 1 33 | 26 57 | 8 19 | 23 17 | 23 22 | 18 9 | 17 48 | 5 41 |
| F 4 | 16 51 | 16 16 | 2 28 | 23 10 | 1 53 | 21 46 | 0 35 | 22 1 | 1 42 | 13 23 | 0 59 | 23 16 | 0 10 | 6 19 | 0 45 | 1 36 | 1 33 | 26 57 | 8 19 | 23 17 | 23 22 | 18 11 | 17 48 | 5 41 |
| S 5 | 17 8 | 20 39 | 1 10 | 22 58 | 1 42 | 22 1 | 0 38 | 21 50 | 1 41 | 13 21 | 0 59 | 23 15 | 0 10 | 6 18 | 0 45 | 1 36 | 1 33 | 26 57 | 8 19 | 23 17 | 23 22 | 18 13 | 17 47 | 5 42 |
| S 6 | 17 25 | 23 35 | 0s11 | 22 44 | 1 29 | 22 17 | 0 40 | 21 39 | 1 40 | 13 19 | 0 59 | 23 15 | 0 10 | 6 17 | 0 45 | 1 35 | 1 33 | 26 58 | 8 20 | 23 17 | 23 22 | 18 15 | 17 47 | 5 42 |
| M 7 | 17 42 | 24 51 | 1 31 | 22 25 | 1 14 | 22 31 | 0 42 | 21 28 | 1 38 | 13 17 | 1 0 | 23 15 | 0 10 | 6 17 | 0 45 | 1 34 | 1 33 | 26 58 | 8 20 | 23 17 | 23 22 | 18 17 | 17 46 | 5 43 |
| T 8 | 17 58 | 24 24 | 2 42 | 22 4 | 0 58 | 22 45 | 0 45 | 21 17 | 1 37 | 13 15 | 1 0 | 23 15 | 0 10 | 6 16 | 0 45 | 1 34 | 1 33 | 26 58 | 8 20 | 23 17 | 23 22 | 18 20 | 17 46 | 5 43 |
| W 9 | 18 15 | 22 26 | 3 42 | 21 38 | 0 40 | 22 59 | 0 47 | 21 6 | 1 36 | 13 14 | 1 0 | 23 15 | 0 10 | 6 15 | 0 45 | 1 33 | 1 33 | 26 59 | 8 21 | 23 17 | 23 21 | 18 22 | 17 45 | 5 44 |
| T 10 | 18 30 | 19 16 | 4 27 | 21 9 | 0 22 | 23 11 | 0 49 | 20 54 | 1 35 | 13 12 | 1 0 | 23 14 | 0 10 | 6 14 | 0 45 | 1 33 | 1 33 | 26 59 | 8 21 | 23 17 | 23 21 | 18 24 | 17 45 | 5 44 |
| F 11 | 18 46 | 15 13 | 4 58 | 20 37 | 0 2 | 23 23 | 0 52 | 20 42 | 1 34 | 13 10 | 1 1 | 23 14 | 0 10 | 6 14 | 0 45 | 1 32 | 1 33 | 26 59 | 8 21 | 23 17 | 23 21 | 18 26 | 17 45 | 5 45 |
| S 12 | 19 1 | 10 35 | 5 12 | 20 3 | 0n19 | 23 35 | 0 54 | 20 30 | 1 33 | 13 9 | 1 1 | 23 14 | 0 10 | 6 13 | 0 45 | 1 31 | 1 33 | 27 0 | 8 22 | 23 17 | 23 21 | 18 28 | 17 44 | 5 45 |
| S 13 | 19 16 | 5 37 | 5 12 | 19 26 | 0 39 | 23 45 | 0 56 | 20 18 | 1 32 | 13 7 | 1 1 | 23 14 | 0 10 | 6 12 | 0 45 | 1 31 | 1 33 | 27 0 | 8 22 | 23 17 | 23 21 | 18 31 | 17 44 | 5 45 |
| M14 | 19 30 | 0 31 | 4 57 | 18 48 | 0 59 | 23 55 | 0 58 | 20 6 | 1 30 | 13 6 | 1 1 | 23 14 | 0 9 | 6 11 | 0 45 | 1 30 | 1 33 | 27 0 | 8 22 | 23 16 | 23 20 | 18 33 | 17 44 | 5 46 |
| T 15 | 19 44 | 4n32 | 4 29 | 18 10 | 1 19 | 24 4 | 1 1 | 19 53 | 1 29 | 13 4 | 1 2 | 23 13 | 0 9 | 6 11 | 0 45 | 1 30 | 1 33 | 27 1 | 8 22 | 23 16 | 23 20 | 18 35 | 17 43 | 5 46 |
| W16 | 19 58 | 9 23 | 3 50 | 17 33 | 1 37 | 24 12 | 1 3 | 19 41 | 1 28 | 13 3 | 1 2 | 23 13 | 0 9 | 6 10 | 0 45 | 1 29 | 1 33 | 27 1 | 8 23 | 23 16 | 23 20 | 18 37 | 17 43 | 5 47 |
| T 17 | 20 11 | 13 51 | 3 0 | 16 59 | 1 53 | 24 20 | 1 5 | 19 28 | 1 27 | 13 2 | 1 2 | 23 13 | 0 9 | 6 10 | 0 45 | 1 29 | 1 33 | 27 2 | 8 23 | 23 16 | 23 20 | 18 39 | 17 43 | 5 47 |
| F 18 | 20 24 | 17 48 | 2 3 | 16 27 | 2 8 | 24 27 | 1 7 | 19 15 | 1 26 | 13 0 | 1 2 | 23 13 | 0 9 | 6 9 | 0 45 | 1 28 | 1 33 | 27 2 | 8 23 | 23 15 | 23 20 | 18 42 | 17 42 | 5 48 |
| S 19 | 20 37 | 21 1 | 1 1 | 16 0 | 2 20 | 24 33 | 1 9 | 19 1 | 1 25 | 12 59 | 1 3 | 23 12 | 0 9 | 6 8 | 0 45 | 1 28 | 1 33 | 27 2 | 8 24 | 23 15 | 23 19 | 18 44 | 17 42 | 5 48 |
| S 20 | 20 49 | 23 22 | 0n 4 | 15 36 | 2 30 | 24 39 | 1 11 | 18 48 | 1 24 | 12 58 | 1 3 | 23 12 | 0 9 | 6 8 | 0 46 | 1 28 | 1 33 | 27 3 | 8 24 | 23 15 | 23 19 | 18 46 | 17 42 | 5 48 |
| M21 | 21 1 | 24 41 | 1 9 | 15 18 | 2 38 | 24 43 | 1 13 | 18 34 | 1 22 | 12 57 | 1 3 | 23 12 | 0 9 | 6 7 | 0 46 | 1 27 | 1 34 | 27 3 | 8 24 | 23 15 | 23 19 | 18 48 | 17 41 | 5 49 |
| T 22 | 21 12 | 24 52 | 2 12 | 15 5 | 2 43 | 24 47 | 1 15 | 18 21 | 1 21 | 12 56 | 1 3 | 23 11 | 0 9 | 6 7 | 0 46 | 1 27 | 1 34 | 27 4 | 8 25 | 23 15 | 23 19 | 18 50 | 17 41 | 5 49 |
| W23 | 21 23 | 23 53 | 3 9 | 14 56 | 2 47 | 24 50 | 1 17 | 18 7 | 1 20 | 12 55 | 1 4 | 23 11 | 0 9 | 6 6 | 0 46 | 1 26 | 1 34 | 27 4 | 8 25 | 23 16 | 23 19 | 18 52 | 17 41 | 5 50 |
| T 24 | 21 34 | 21 45 | 3 59 | 14 53 | 2 49 | 24 53 | 1 18 | 17 53 | 1 19 | 12 54 | 1 4 | 23 11 | 0 9 | 6 6 | 0 46 | 1 26 | 1 34 | 27 4 | 8 25 | 23 16 | 23 18 | 18 54 | 17 41 | 5 50 |
| F 25 | 21 44 | 18 32 | 4 39 | 14 53 | 2 49 | 24 54 | 1 20 | 17 39 | 1 18 | 12 53 | 1 4 | 23 11 | 0 9 | 6 5 | 0 46 | 1 25 | 1 34 | 27 5 | 8 25 | 23 16 | 23 18 | 18 57 | 17 40 | 5 50 |
| S 26 | 21 53 | 14 23 | 5 6 | 14 57 | 2 48 | 24 55 | 1 22 | 17 24 | 1 17 | 12 53 | 1 5 | 23 10 | 0 8 | 6 5 | 0 46 | 1 25 | 1 34 | 27 5 | 8 26 | 23 16 | 23 18 | 18 59 | 17 40 | 5 51 |
| S 27 | 22 3 | 9 26 | 5 17 | 15 5 | 2 45 | 24 55 | 1 23 | 17 10 | 1 16 | 12 52 | 1 5 | 23 10 | 0 8 | 6 4 | 0 46 | 1 25 | 1 34 | 27 6 | 8 26 | 23 16 | 23 18 | 19 1 | 17 40 | 5 51 |
| M28 | 22 12 | 3 52 | 5 11 | 15 16 | 2 42 | 24 55 | 1 25 | 16 55 | 1 15 | 12 51 | 1 5 | 23 10 | 0 8 | 6 4 | 0 46 | 1 24 | 1 34 | 27 6 | 8 26 | 23 16 | 23 18 | 19 3 | 17 40 | 5 51 |
| T 29 | 22 20 | 2s 3 | 4 47 | 15 30 | 2 38 | 24 53 | 1 26 | 16 40 | 1 13 | 12 51 | 1 5 | 23 9 | 0 8 | 6 4 | 0 46 | 1 24 | 1 34 | 27 7 | 8 26 | 23 16 | 23 17 | 19 5 | 17 39 | 5 52 |
| W30 | 22s28 | 8s 3 | 4n 3 | 15s46 | 2n33 | 24s51 | 1s28 | 16s25 | 1s12 | 12n50 | 1n 6 | 23s 9 | 0n 8 | 6n 3 | 0n46 | 1n24 | 1n34 | 27n 7 | 8n27 | 23n16 | 23n17 | 19n 7 | 17n39 | 5s52 |

Julian Day Number = 2071636.5, Delta T = 27m55s
Ecliptic obliquity = 23°34'28, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'38, Lahiri = 9°21'39 Julian Calendar 1 Nov. 959 == Greg. Calendar 6 Nov. 959


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# ASTRODIENST EPHEMERIS for the year 959
# geocentric

## DECEMBER 959 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 57 4 | 13♐53'22 | 15♏49 | 22♏13 | 8♑19 | 19♒32 | 29♌14 | 8♑52 | 16♍32 | 0♎ 7 | 5°R42 | 20°R53 | 21♊15 | 2♊31 | 3°R49 | T 1 |
| F 2 | 5 1 1 | 14°54'34 | 0♐57 | 23° 6 | 9°34 | 20°16 | 29°16 | 8°59 | 16°33 | 0° 8 | 5♌41 | 20♊52 | 21°12 | 2°38 | 3♋45 | F 2 |
| S 3 | 5 4 57 | 15°55'46 | 16°10 | 24° 3 | 10°48 | 21° 1 | 29°18 | 9° 5 | 16°34 | 0° 9 | 5°40 | 20°D52 | 21° 9 | 2°44 | 3°41 | S 3 |
| S 4 | 5 8 54 | 16°56'59 | 1♑17 | 25° 4 | 12° 3 | 21°45 | 29°19 | 9°12 | 16°34 | 0°10 | 5°40 | 20°52 | 21° 6 | 2°51 | 3°38 | S 4 |
| M 5 | 5 12 50 | 17°58'12 | 16°11 | 26° 8 | 13°18 | 22°30 | 29°20 | 9°19 | 16°35 | 0°11 | 5°39 | 20°52 | 21° 3 | 2°58 | 3°34 | M 5 |
| T 6 | 5 16 47 | 18°59'25 | 0♒43 | 27°15 | 14°32 | 23°14 | 29°21 | 9°26 | 16°36 | 0°11 | 5°38 | 20°52 | 21° 0 | 3° 4 | 3°30 | T 6 |
| W 7 | 5 20 44 | 20° 0'39 | 14°49 | 28°25 | 15°47 | 23°59 | 29°22 | 9°33 | 16°36 | 0°12 | 5°37 | 20°52 | 20°56 | 3°11 | 3°26 | W 7 |
| T 8 | 5 24 40 | 21° 1'52 | 28°28 | 29°37 | 17° 2 | 24°43 | 29°22 | 9°39 | 16°37 | 0°13 | 5°36 | 20°R52 | 20°53 | 3°18 | 3°22 | T 8 |
| F 9 | 5 28 37 | 22° 3'04 | 11♓40 | 0♐51 | 18°16 | 25°28 | 29°23 | 9°46 | 16°38 | 0°13 | 5°35 | 20°52 | 20°50 | 3°24 | 3°18 | F 9 |
| S 10 | 5 32 33 | 23° 4'17 | 24°28 | 2° 7 | 19°31 | 26°12 | 29°R23 | 9°53 | 16°38 | 0°14 | 5°34 | 20°D52 | 20°47 | 3°31 | 3°14 | S 10 |
| S 11 | 5 36 30 | 24° 5'29 | 6♈56 | 3°25 | 20°45 | 26°57 | 29°23 | 10° 0 | 16°38 | 0°15 | 5°33 | 20°52 | 20°44 | 3°38 | 3°10 | S 11 |
| M12 | 5 40 26 | 25° 6'42 | 19° 7 | 4°44 | 22° 0 | 27°41 | 29°23 | 10° 7 | 16°39 | 0°15 | 5°32 | 20°53 | 20°41 | 3°44 | 3° 6 | M12 |
| T 13 | 5 44 23 | 26° 7'53 | 1♉ 7 | 6° 4 | 23°14 | 28°26 | 29°22 | 10°14 | 16°39 | 0°16 | 5°31 | 20°53 | 20°37 | 3°51 | 3° 2 | T 13 |
| W14 | 5 48 20 | 27° 9'05 | 12°59 | 7°26 | 24°29 | 29°10 | 29°22 | 10°21 | 16°39 | 0°16 | 5°30 | 20°54 | 20°34 | 3°58 | 2°58 | W14 |
| T 15 | 5 52 16 | 28°10'17 | 24°47 | 8°48 | 25°43 | 29°55 | 29°21 | 10°28 | 16°39 | 0°17 | 5°29 | 20°55 | 20°31 | 4° 4 | 2°54 | T 15 |
| F 16 | 5 56 13 | 29°11'28 | 6♊35 | 10°12 | 26°58 | 0♓39 | 29°20 | 10°35 | 16°39 | 0°17 | 5°28 | 20°55 | 20°28 | 4°11 | 2°50 | F 16 |
| S 17 | 6 0 9 | 0♑12'39 | 18°25 | 11°36 | 28°12 | 1°24 | 29°19 | 10°42 | 16°R39 | 0°18 | 5°27 | 20°R56 | 20°25 | 4°17 | 2°46 | S 17 |
| S 18 | 6 4 6 | 1°13'50 | 0♋19 | 13° 2 | 29°27 | 2° 8 | 29°17 | 10°49 | 16°39 | 0°18 | 5°25 | 20°56 | 20°21 | 4°24 | 2°41 | S 18 |
| M19 | 6 8 2 | 2°15'00 | 12°20 | 14°28 | 0♒41 | 2°52 | 29°16 | 10°56 | 16°39 | 0°18 | 5°24 | 20°55 | 20°18 | 4°31 | 2°37 | M19 |
| T 20 | 6 11 59 | 3°16'11 | 24°29 | 15°54 | 1°55 | 3°37 | 29°14 | 11° 3 | 16°39 | 0°18 | 5°23 | 20°53 | 20°15 | 4°37 | 2°33 | T 20 |
| W21 | 6 15 55 | 4°17'21 | 6♌48 | 17°22 | 3° 9 | 4°21 | 29°12 | 11°10 | 16°39 | 0°19 | 5°22 | 20°52 | 20°12 | 4°44 | 2°29 | W21 |
| T 22 | 6 19 52 | 5°18'31 | 19°19 | 18°50 | 4°24 | 5° 5 | 29°10 | 11°18 | 16°39 | 0°19 | 5°21 | 20°49 | 20° 9 | 4°51 | 2°25 | T 22 |
| F 23 | 6 23 49 | 6°19'40 | 2♍ 3 | 20°18 | 5°38 | 5°50 | 29° 8 | 11°25 | 16°39 | 0°19 | 5°20 | 20°47 | 20° 6 | 4°57 | 2°21 | F 23 |
| S 24 | 6 27 45 | 7°20'50 | 15° 3 | 21°47 | 6°52 | 6°34 | 29° 5 | 11°32 | 16°38 | 0°19 | 5°18 | 20°45 | 20° 2 | 5° 4 | 2°17 | S 24 |
| S 25 | 6 31 42 | 8°21'59 | 28°19 | 23°17 | 8° 6 | 7°18 | 29° 2 | 11°39 | 16°38 | 0°19 | 5°17 | 20°44 | 19°59 | 5°11 | 2°13 | S 25 |
| M26 | 6 35 38 | 9°23'08 | 11♎54 | 24°47 | 9°20 | 8° 2 | 28°59 | 11°46 | 16°37 | 0°19 | 5°16 | 20°D44 | 19°56 | 5°17 | 2° 9 | M26 |
| T 27 | 6 39 35 | 10°24'17 | 25°49 | 26°18 | 10°34 | 8°47 | 28°56 | 11°53 | 16°37 | 0°19 | 5°15 | 20°45 | 19°53 | 5°24 | 2° 5 | T 27 |
| W28 | 6 43 31 | 11°25'25 | 10♏ 3 | 27°50 | 11°49 | 9°31 | 28°53 | 12° 0 | 16°36 | 0°R20 | 5°13 | 20°46 | 19°50 | 5°31 | 2° 1 | W28 |
| T 29 | 6 47 28 | 12°26'34 | 24°35 | 29°22 | 13° 3 | 10°15 | 28°50 | 12° 7 | 16°36 | 0°19 | 5°12 | 20°47 | 19°47 | 5°37 | 1°56 | T 29 |
| F 30 | 6 51 24 | 13°27'42 | 9♐21 | 0♑54 | 14°17 | 10°59 | 28°46 | 12°14 | 16°35 | 0°19 | 5°11 | 20°48 | 19°43 | 5°44 | 1°52 | F 30 |
| S 31 | 6 55 21 | 14♑28'49 | 24♐15 | 2♑27 | 15♒30 | 11♓43 | 28♌42 | 12♑22 | 16♍34 | 0♎19 | 5♌ 9 | 20°R49 | 19♊40 | 5♊51 | 1♋48 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s36 | 13s45 | 3n 3 | 16s 4 | 2n27 | 24s48 | 1s29 | 16s10 | 1s11 | 12n50 | 1n 6 | 23s 8 | 0n 8 | 6n 3 | 0n46 | 1n23 | 1n34 | 27n 8 | 8n27 | 23n15 | 23n17 | 19n 9 | 17n39 | 5s52 |
| F 2 | 22 43 | 18 42 | 1 49 | 16 23 | 2 21 | 24 44 | 1 31 | 15 55 | 1 10 | 12 50 | 1 6 | 23 8 | 0 8 | 6 3 | 0 46 | 1 23 | 1 34 | 27 8 | 8 27 | 23 15 | 23 17 | 19 12 | 17 39 | 5 53 |
| S 3 | 22 50 | 22 25 | 0 26 | 16 44 | 2 14 | 24 40 | 1 32 | 15 40 | 1 9 | 12 49 | 1 7 | 23 8 | 0 8 | 6 2 | 0 46 | 1 23 | 1 34 | 27 8 | 8 28 | 23 15 | 23 17 | 19 14 | 17 39 | 5 53 |
| S 4 | 22 56 | 24 32 | 0s58 | 17 5 | 2 7 | 24 34 | 1 33 | 15 24 | 1 8 | 12 49 | 1 7 | 23 7 | 0 8 | 6 2 | 0 46 | 1 22 | 1 34 | 27 9 | 8 28 | 23 15 | 23 16 | 19 16 | 17 39 | 5 53 |
| M 5 | 23 2 | 24 51 | 2 16 | 17 28 | 1 59 | 24 28 | 1 34 | 15 9 | 1 7 | 12 49 | 1 7 | 23 7 | 0 8 | 6 2 | 0 46 | 1 22 | 1 34 | 27 9 | 8 28 | 23 15 | 23 16 | 19 18 | 17 38 | 5 53 |
| T 6 | 23 7 | 23 26 | 3 24 | 17 51 | 1 52 | 24 22 | 1 36 | 14 53 | 1 6 | 12 49 | 1 7 | 23 7 | 0 8 | 6 2 | 0 46 | 1 22 | 1 34 | 27 10 | 8 28 | 23 15 | 23 16 | 19 20 | 17 38 | 5 54 |
| W 7 | 23 12 | 20 35 | 4 17 | 18 14 | 1 44 | 24 14 | 1 37 | 14 37 | 1 5 | 12 49 | 1 8 | 23 6 | 0 8 | 6 1 | 0 46 | 1 22 | 1 34 | 27 10 | 8 29 | 23 15 | 23 16 | 19 22 | 17 38 | 5 54 |
| T 8 | 23 16 | 16 40 | 4 54 | 18 37 | 1 36 | 24 6 | 1 38 | 14 21 | 1 4 | 12 49 | 1 8 | 23 6 | 0 8 | 6 1 | 0 46 | 1 21 | 1 35 | 27 11 | 8 29 | 23 15 | 23 16 | 19 24 | 17 38 | 5 54 |
| F 9 | 23 20 | 12 3 | 5 14 | 19 1 | 1 28 | 23 57 | 1 39 | 14 5 | 1 2 | 12 49 | 1 8 | 23 5 | 0 7 | 6 1 | 0 46 | 1 21 | 1 35 | 27 11 | 8 29 | 23 15 | 23 15 | 19 26 | 17 38 | 5 54 |
| S 10 | 23 24 | 7 4 | 5 17 | 19 24 | 1 20 | 23 47 | 1 39 | 13 49 | 1 1 | 12 49 | 1 8 | 23 5 | 0 7 | 6 1 | 0 46 | 1 21 | 1 35 | 27 12 | 8 29 | 23 15 | 23 15 | 19 28 | 17 38 | 5 54 |
| S 11 | 23 27 | 1 55 | 5 6 | 19 47 | 1 12 | 23 37 | 1 40 | 13 32 | 1 0 | 12 50 | 1 9 | 23 4 | 0 7 | 6 1 | 0 46 | 1 21 | 1 35 | 27 12 | 8 30 | 23 15 | 23 15 | 19 30 | 17 38 | 5 55 |
| M12 | 23 29 | 3n12 | 4 40 | 20 10 | 1 4 | 23 25 | 1 41 | 13 16 | 0 59 | 12 50 | 1 9 | 23 4 | 0 7 | 6 1 | 0 46 | 1 21 | 1 35 | 27 13 | 8 30 | 23 16 | 23 15 | 19 32 | 17 37 | 5 55 |
| T 13 | 23 31 | 8 8 | 4 3 | 20 32 | 0 56 | 23 14 | 1 41 | 13 0 | 0 58 | 12 50 | 1 9 | 23 3 | 0 7 | 6 1 | 0 46 | 1 21 | 1 35 | 27 13 | 8 30 | 23 16 | 23 14 | 19 35 | 17 37 | 5 55 |
| W14 | 23 33 | 12 43 | 3 16 | 20 54 | 0 47 | 23 1 | 1 42 | 12 43 | 0 57 | 12 51 | 1 10 | 23 3 | 0 7 | 6 1 | 0 47 | 1 20 | 1 35 | 27 14 | 8 30 | 23 16 | 23 14 | 19 37 | 17 37 | 5 55 |
| T 15 | 23 34 | 16 48 | 2 20 | 21 15 | 0 39 | 22 48 | 1 43 | 12 26 | 0 56 | 12 51 | 1 10 | 23 3 | 0 7 | 6 1 | 0 47 | 1 20 | 1 35 | 27 14 | 8 31 | 23 16 | 23 14 | 19 39 | 17 37 | 5 55 |
| F 16 | 23 34 | 20 14 | 1 19 | 21 35 | 0 31 | 22 34 | 1 43 | 12 10 | 0 55 | 12 52 | 1 10 | 23 2 | 0 7 | 6 1 | 0 47 | 1 20 | 1 35 | 27 15 | 8 31 | 23 16 | 23 14 | 19 41 | 17 37 | 5 56 |
| S 17 | 23 34 | 22 50 | 0 14 | 21 55 | 0 24 | 22 19 | 1 43 | 11 53 | 0 54 | 12 53 | 1 10 | 23 2 | 0 7 | 6 1 | 0 47 | 1 20 | 1 35 | 27 15 | 8 31 | 23 16 | 23 14 | 19 43 | 17 37 | 5 56 |
| S 18 | 23 34 | 24 26 | 0n52 | 22 14 | 0 16 | 22 4 | 1 44 | 11 36 | 0 53 | 12 53 | 1 11 | 23 1 | 0 7 | 6 1 | 0 47 | 1 20 | 1 35 | 27 16 | 8 31 | 23 16 | 23 13 | 19 45 | 17 37 | 5 56 |
| M19 | 23 33 | 24 55 | 1 56 | 22 32 | 0 8 | 21 48 | 1 44 | 11 19 | 0 52 | 12 54 | 1 11 | 23 1 | 0 7 | 6 1 | 0 47 | 1 20 | 1 35 | 27 16 | 8 31 | 23 16 | 23 13 | 19 47 | 17 37 | 5 56 |
| T 20 | 23 32 | 24 13 | 2 56 | 22 49 | 0 1 | 21 32 | 1 44 | 11 2 | 0 51 | 12 55 | 1 11 | 23 0 | 0 7 | 6 1 | 0 47 | 1 20 | 1 35 | 27 17 | 8 32 | 23 16 | 23 13 | 19 49 | 17 37 | 5 56 |
| W21 | 23 30 | 22 21 | 3 48 | 23 5 | 0s 7 | 21 15 | 1 44 | 10 44 | 0 50 | 12 56 | 1 12 | 23 0 | 0 7 | 6 1 | 0 47 | 1 20 | 1 35 | 27 17 | 8 32 | 23 15 | 23 13 | 19 51 | 17 37 | 5 56 |
| T 22 | 23 28 | 19 23 | 4 30 | 23 20 | 0 14 | 20 57 | 1 44 | 10 27 | 0 49 | 12 57 | 1 12 | 22 59 | 0 6 | 6 1 | 0 47 | 1 20 | 1 35 | 27 18 | 8 32 | 23 15 | 23 12 | 19 53 | 17 37 | 5 56 |
| F 23 | 23 25 | 15 27 | 5 0 | 23 34 | 0 21 | 20 39 | 1 44 | 10 10 | 0 48 | 12 58 | 1 12 | 22 58 | 0 6 | 6 1 | 0 47 | 1 20 | 1 35 | 27 18 | 8 32 | 23 15 | 23 12 | 19 55 | 17 37 | 5 56 |
| S 24 | 23 22 | 10 45 | 5 15 | 23 47 | 0 28 | 20 20 | 1 44 | 9 52 | 0 46 | 12 59 | 1 12 | 22 58 | 0 6 | 6 1 | 0 47 | 1 20 | 1 35 | 27 19 | 8 32 | 23 15 | 23 12 | 19 57 | 17 37 | 5 56 |
| S 25 | 23 19 | 5 28 | 5 13 | 23 59 | 0 35 | 20 0 | 1 43 | 9 35 | 0 45 | 13 0 | 1 13 | 22 57 | 0 6 | 6 2 | 0 47 | 1 20 | 1 36 | 27 19 | 8 33 | 23 15 | 23 12 | 19 59 | 17 37 | 5 56 |
| M26 | 23 14 | 0s12 | 4 55 | 24 10 | 0 42 | 19 40 | 1 43 | 9 17 | 0 44 | 13 2 | 1 13 | 22 57 | 0 6 | 6 2 | 0 47 | 1 20 | 1 36 | 27 20 | 8 33 | 23 15 | 23 11 | 20 1 | 17 37 | 5 56 |
| T 27 | 23 10 | 6 0 | 4 19 | 24 19 | 0 48 | 19 20 | 1 42 | 9 0 | 0 43 | 13 3 | 1 13 | 22 56 | 0 6 | 6 2 | 0 47 | 1 20 | 1 36 | 27 20 | 8 33 | 23 15 | 23 11 | 20 3 | 17 37 | 5 56 |
| W28 | 23 5 | 11 39 | 3 27 | 24 28 | 0 54 | 18 58 | 1 42 | 8 42 | 0 42 | 13 4 | 1 14 | 22 56 | 0 6 | 6 2 | 0 47 | 1 20 | 1 36 | 27 21 | 8 33 | 23 15 | 23 11 | 20 5 | 17 37 | 5 56 |
| T 29 | 22 59 | 16 46 | 2 20 | 24 35 | 1 0 | 18 37 | 1 41 | 8 24 | 0 41 | 13 6 | 1 14 | 22 55 | 0 6 | 6 3 | 0 47 | 1 20 | 1 36 | 27 21 | 8 33 | 23 15 | 23 11 | 20 7 | 17 37 | 5 56 |
| F 30 | 22 53 | 20 56 | 1 3 | 24 40 | 1 6 | 18 15 | 1 41 | 8 7 | 0 40 | 13 7 | 1 14 | 22 55 | 0 6 | 6 3 | 0 47 | 1 20 | 1 36 | 27 22 | 8 33 | 23 15 | 23 10 | 20 9 | 17 37 | 5 56 |
| S 31 | 22s47 | 23s46 | 0s19 | 24s45 | 1s12 | 17s52 | 1s40 | 7s49 | 0s39 | 13n 9 | 1n14 | 22s54 | 0n 6 | 6n 3 | 0n47 | 1n20 | 1n36 | 27n22 | 8n34 | 23n15 | 23n10 | 20n11 | 17n37 | 5s56 |

Julian Day Number = 2071666.5, Delta T = 27m55s
Ecliptic obliquity = 23°34'27, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'42, Lahiri = 9°21'43 Julian Calendar 1 Dec. 959 == Greg. Calendar 6 Dec. 959


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## JANUARY 960 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 59 18 | 15♑29'56 | 9♑11 | 4♑ 1 | 16♒44 | 12♓27 | 28°R38 | 12♑29 | 16°R33 | 0°R19 | 5°R 8 | 20°R48 | 19♊37 | 5♊57 | 1°R44 | S 1 |
| M 2 | 7 3 14 | 16°31'02 | 24° 0 | 5°35 | 17°58 | 13°12 | 28♌34 | 12°36 | 16♏33 | 0♎19 | 5♌ 7 | 20♊45 | 19°34 | 6° 4 | 1♋41 | M 2 |
| T 3 | 7 7 11 | 17°32'07 | 8♒33 | 7°10 | 19°12 | 13°56 | 28°30 | 12°43 | 16°32 | 0°19 | 5° 5 | 20°42 | 19°31 | 6°11 | 1°37 | T 3 |
| W 4 | 7 11 7 | 18°33'12 | 22°46 | 8°46 | 20°26 | 14°40 | 28°25 | 12°50 | 16°31 | 0°19 | 5° 4 | 20°38 | 19°27 | 6°17 | 1°33 | W 4 |
| T 5 | 7 15 4 | 19°34'15 | 6♓33 | 10°22 | 21°40 | 15°24 | 28°20 | 12°57 | 16°30 | 0°18 | 5° 3 | 20°33 | 19°24 | 6°24 | 1°29 | T 5 |
| F 6 | 7 19 0 | 20°35'17 | 19°53 | 11°58 | 22°53 | 16° 8 | 28°16 | 13° 4 | 16°29 | 0°18 | 5° 1 | 20°29 | 19°21 | 6°30 | 1°25 | F 6 |
| S 7 | 7 22 57 | 21°36'18 | 2♈48 | 13°36 | 24° 7 | 16°52 | 28°11 | 13°11 | 16°28 | 0°18 | 5° 0 | 20°26 | 19°18 | 6°37 | 1°21 | S 7 |
| S 8 | 7 26 53 | 22°37'17 | 15°20 | 15°13 | 25°21 | 17°36 | 28° 5 | 13°18 | 16°26 | 0°17 | 4°58 | 20°24 | 19°15 | 6°44 | 1°18 | S 8 |
| M 9 | 7 30 50 | 23°38'15 | 27°33 | 16°52 | 26°34 | 18°20 | 28° 0 | 13°26 | 16°25 | 0°17 | 4°57 | 20°D24 | 19°12 | 6°50 | 1°14 | M 9 |
| T 10 | 7 34 47 | 24°39'12 | 9♉32 | 18°31 | 27°48 | 19° 4 | 27°55 | 13°33 | 16°24 | 0°17 | 4°56 | 20°25 | 19° 8 | 6°57 | 1°10 | T 10 |
| W11 | 7 38 43 | 25°40'08 | 21°23 | 20°11 | 29° 1 | 19°47 | 27°49 | 13°40 | 16°23 | 0°16 | 4°54 | 20°27 | 19° 5 | 7° 4 | 1° 7 | W11 |
| T 12 | 7 42 40 | 26°41'02 | 3♊10 | 21°52 | 0♓14 | 20°31 | 27°43 | 13°47 | 16°21 | 0°16 | 4°53 | 20°29 | 19° 2 | 7°10 | 1° 3 | T 12 |
| F 13 | 7 46 36 | 27°41'55 | 14°58 | 23°33 | 1°28 | 21°15 | 27°37 | 13°54 | 16°20 | 0°15 | 4°51 | 20°R30 | 18°59 | 7°17 | 0°59 | F 13 |
| S 14 | 7 50 33 | 28°42'47 | 26°51 | 25°15 | 2°41 | 21°59 | 27°31 | 14° 1 | 16°19 | 0°14 | 4°50 | 20°30 | 18°56 | 7°24 | 0°56 | S 14 |
| S 15 | 7 54 29 | 29°43'37 | 8♋52 | 26°58 | 3°54 | 22°43 | 27°25 | 14° 8 | 16°17 | 0°14 | 4°48 | 20°28 | 18°53 | 7°30 | 0°53 | S 15 |
| M16 | 7 58 26 | 0♒44'26 | 21° 4 | 28°42 | 5° 7 | 23°26 | 27°19 | 14°15 | 16°16 | 0°13 | 4°47 | 20°24 | 18°49 | 7°37 | 0°49 | M16 |
| T 17 | 8 2 23 | 1°45'14 | 3♌28 | 0♒26 | 6°20 | 24°10 | 27°13 | 14°21 | 16°14 | 0°13 | 4°46 | 20°19 | 18°46 | 7°44 | 0°46 | T 17 |
| W18 | 8 6 19 | 2°46'00 | 16° 6 | 2°11 | 7°33 | 24°54 | 27° 6 | 14°28 | 16°12 | 0°12 | 4°44 | 20°11 | 18°43 | 7°50 | 0°43 | W18 |
| T 19 | 8 10 16 | 3°46'45 | 28°57 | 3°57 | 8°46 | 25°37 | 27° 0 | 14°35 | 16°11 | 0°11 | 4°43 | 20° 3 | 18°40 | 7°57 | 0°39 | T 19 |
| F 20 | 8 14 12 | 4°47'29 | 12♍ 1 | 5°43 | 9°59 | 26°21 | 26°53 | 14°42 | 16° 9 | 0°10 | 4°41 | 19°55 | 18°37 | 8° 4 | 0°36 | F 20 |
| S 21 | 8 18 9 | 5°48'12 | 25°17 | 7°31 | 11°12 | 27° 5 | 26°46 | 14°49 | 16° 7 | 0°10 | 4°40 | 19°48 | 18°33 | 8°10 | 0°33 | S 21 |
| S 22 | 8 22 5 | 6°48'53 | 8♎46 | 9°19 | 12°24 | 27°48 | 26°39 | 14°56 | 16° 5 | 0° 9 | 4°38 | 19°43 | 18°30 | 8°17 | 0°30 | S 22 |
| M23 | 8 26 2 | 7°49'33 | 22°25 | 11° 7 | 13°37 | 28°32 | 26°32 | 15° 2 | 16° 4 | 0° 8 | 4°37 | 19°40 | 18°27 | 8°24 | 0°27 | M23 |
| T 24 | 8 29 58 | 8°50'12 | 6♏16 | 12°57 | 14°50 | 29°15 | 26°25 | 15° 9 | 16° 2 | 0° 7 | 4°35 | 19°D38 | 18°24 | 8°30 | 0°24 | T 24 |
| W25 | 8 33 55 | 9°50'50 | 20°18 | 14°47 | 16° 2 | 29°58 | 26°18 | 15°16 | 16° 0 | 0° 6 | 4°34 | 19°39 | 18°21 | 8°37 | 0°21 | W25 |
| T 26 | 8 37 51 | 10°51'27 | 4♐31 | 16°37 | 17°14 | 0♈42 | 26°10 | 15°23 | 15°58 | 0° 5 | 4°33 | 19°40 | 18°18 | 8°43 | 0°19 | T 26 |
| F 27 | 8 41 48 | 11°52'02 | 18°52 | 18°28 | 18°27 | 1°25 | 26° 3 | 15°29 | 15°56 | 0° 4 | 4°31 | 19°R40 | 18°14 | 8°50 | 0°16 | F 27 |
| S 28 | 8 45 45 | 12°52'36 | 3♑20 | 20°19 | 19°39 | 2° 8 | 25°55 | 15°36 | 15°54 | 0° 3 | 4°30 | 19°40 | 18°11 | 8°57 | 0°13 | S 28 |
| S 29 | 8 49 41 | 13°53'09 | 17°51 | 22°11 | 20°51 | 2°52 | 25°48 | 15°43 | 15°52 | 0° 2 | 4°28 | 19°37 | 18° 8 | 9° 3 | 0°11 | S 29 |
| M30 | 8 53 38 | 14°53'40 | 2♒18 | 24° 2 | 22° 3 | 3°35 | 25°40 | 15°49 | 15°50 | 0° 1 | 4°27 | 19°31 | 18° 5 | 9°10 | 0° 8 | M30 |
| T 31 | 8 57 34 | 15♒54'10 | 16♒36 | 25♒53 | 23♓15 | 4♈18 | 25♌33 | 15♑56 | 15♏48 | 0♎ 0 | 4♌25 | 19♊23 | 18♊ 2 | 9♊17 | 0♋ 6 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s40 | 24s55 | 1s40 | 24s48 | 1s17 | 17s29 | 1s39 | 7s31 | 0s38 | 13n11 | 1n15 | 22s53 | 0n 6 | 6n 4 | 0n47 | 1n20 | 1n36 | 27n23 | 8n34 | 23n15 | 23n10 | 20n13 | 17n37 | 5s56 |
| M 2 | 22 33 | 24 16 | 2 53 | 24 49 | 1 22 | 17 5 | 1 38 | 7 13 | 0 37 | 13 12 | 1 15 | 22 53 | 0 6 | 6 4 | 0 47 | 1 20 | 1 36 | 27 23 | 8 34 | 23 15 | 23 10 | 20 15 | 17 38 | 5 56 |
| T 3 | 22 25 | 21 58 | 3 53 | 24 50 | 1 27 | 16 41 | 1 37 | 6 55 | 0 36 | 13 14 | 1 15 | 22 52 | 0 6 | 6 4 | 0 47 | 1 21 | 1 36 | 27 24 | 8 34 | 23 15 | 23 9 | 20 17 | 17 38 | 5 56 |
| W 4 | 22 17 | 18 22 | 4 37 | 24 48 | 1 32 | 16 17 | 1 36 | 6 37 | 0 35 | 13 16 | 1 15 | 22 52 | 0 6 | 6 5 | 0 47 | 1 21 | 1 36 | 27 24 | 8 34 | 23 14 | 23 9 | 20 19 | 17 38 | 5 56 |
| T 5 | 22 8 | 13 52 | 5 4 | 24 46 | 1 36 | 15 52 | 1 35 | 6 19 | 0 34 | 13 18 | 1 16 | 22 51 | 0 5 | 6 5 | 0 47 | 1 21 | 1 36 | 27 25 | 8 34 | 23 14 | 23 9 | 20 21 | 17 38 | 5 56 |
| F 6 | 21 59 | 8 49 | 5 13 | 24 42 | 1 40 | 15 26 | 1 34 | 6 1 | 0 33 | 13 20 | 1 16 | 22 50 | 0 5 | 6 6 | 0 47 | 1 21 | 1 36 | 27 25 | 8 35 | 23 14 | 23 9 | 20 23 | 17 38 | 5 56 |
| S 7 | 21 50 | 3 34 | 5 6 | 24 36 | 1 44 | 15 1 | 1 32 | 5 43 | 0 33 | 13 22 | 1 16 | 22 50 | 0 5 | 6 6 | 0 47 | 1 21 | 1 36 | 27 26 | 8 35 | 23 14 | 23 8 | 20 25 | 17 38 | 5 56 |
| S 8 | 21 40 | 1n42 | 4 45 | 24 29 | 1 47 | 14 34 | 1 31 | 5 25 | 0 32 | 13 24 | 1 16 | 22 49 | 0 5 | 6 7 | 0 48 | 1 21 | 1 36 | 27 26 | 8 35 | 23 14 | 23 8 | 20 27 | 17 38 | 5 56 |
| M 9 | 21 30 | 6 46 | 4 10 | 24 20 | 1 51 | 14 8 | 1 30 | 5 7 | 0 31 | 13 26 | 1 17 | 22 48 | 0 5 | 6 7 | 0 48 | 1 22 | 1 36 | 27 27 | 8 35 | 23 14 | 23 8 | 20 29 | 17 38 | 5 56 |
| T 10 | 21 19 | 11 30 | 3 26 | 24 10 | 1 53 | 13 41 | 1 28 | 4 48 | 0 30 | 13 28 | 1 17 | 22 48 | 0 5 | 6 8 | 0 48 | 1 22 | 1 36 | 27 27 | 8 35 | 23 14 | 23 8 | 20 31 | 17 39 | 5 56 |
| W11 | 21 8 | 15 45 | 2 33 | 23 58 | 1 56 | 13 14 | 1 26 | 4 30 | 0 29 | 13 30 | 1 17 | 22 47 | 0 5 | 6 8 | 0 48 | 1 22 | 1 37 | 27 28 | 8 35 | 23 14 | 23 7 | 20 33 | 17 39 | 5 56 |
| T 12 | 20 56 | 19 23 | 1 33 | 23 44 | 1 58 | 12 46 | 1 25 | 4 12 | 0 28 | 13 32 | 1 17 | 22 46 | 0 5 | 6 9 | 0 48 | 1 22 | 1 37 | 27 28 | 8 35 | 23 14 | 23 7 | 20 35 | 17 39 | 5 55 |
| F 13 | 20 44 | 22 13 | 0 30 | 23 29 | 2 0 | 12 18 | 1 23 | 3 54 | 0 27 | 13 35 | 1 17 | 22 46 | 0 5 | 6 9 | 0 48 | 1 23 | 1 37 | 27 29 | 8 35 | 23 14 | 23 7 | 20 37 | 17 39 | 5 55 |
| S 14 | 20 32 | 24 7 | 0n35 | 23 12 | 2 2 | 11 50 | 1 21 | 3 36 | 0 26 | 13 37 | 1 18 | 22 45 | 0 5 | 6 10 | 0 48 | 1 23 | 1 37 | 27 29 | 8 36 | 23 14 | 23 7 | 20 39 | 17 39 | 5 55 |
| S 15 | 20 19 | 24 55 | 1 38 | 22 53 | 2 3 | 11 21 | 1 19 | 3 17 | 0 25 | 13 39 | 1 18 | 22 45 | 0 5 | 6 10 | 0 48 | 1 23 | 1 37 | 27 30 | 8 36 | 23 14 | 23 6 | 20 41 | 17 39 | 5 55 |
| M16 | 20 6 | 24 31 | 2 38 | 22 33 | 2 3 | 10 53 | 1 17 | 2 59 | 0 24 | 13 42 | 1 18 | 22 44 | 0 5 | 6 11 | 0 48 | 1 23 | 1 37 | 27 30 | 8 36 | 23 14 | 23 6 | 20 43 | 17 40 | 5 55 |
| T 17 | 19 53 | 22 55 | 3 32 | 22 11 | 2 3 | 10 24 | 1 15 | 2 41 | 0 23 | 13 44 | 1 18 | 22 43 | 0 5 | 6 12 | 0 48 | 1 24 | 1 37 | 27 31 | 8 36 | 23 13 | 23 6 | 20 45 | 17 40 | 5 55 |
| W18 | 19 39 | 20 10 | 4 16 | 21 47 | 2 3 | 9 54 | 1 13 | 2 23 | 0 22 | 13 46 | 1 18 | 22 42 | 0 5 | 6 12 | 0 48 | 1 24 | 1 37 | 27 31 | 8 36 | 23 13 | 23 6 | 20 47 | 17 40 | 5 54 |
| T 19 | 19 25 | 16 24 | 4 48 | 21 22 | 2 3 | 9 25 | 1 10 | 2 4 | 0 21 | 13 49 | 1 19 | 22 42 | 0 4 | 6 13 | 0 48 | 1 24 | 1 37 | 27 31 | 8 36 | 23 12 | 23 5 | 20 49 | 17 40 | 5 54 |
| F 20 | 19 10 | 11 47 | 5 5 | 20 55 | 2 2 | 8 55 | 1 8 | 1 46 | 0 20 | 13 51 | 1 19 | 22 41 | 0 4 | 6 14 | 0 48 | 1 25 | 1 37 | 27 32 | 8 36 | 23 11 | 23 5 | 20 51 | 17 40 | 5 54 |
| S 21 | 18 56 | 6 34 | 5 7 | 20 26 | 2 0 | 8 25 | 1 6 | 1 28 | 0 19 | 13 54 | 1 19 | 22 40 | 0 4 | 6 14 | 0 48 | 1 25 | 1 37 | 27 32 | 8 36 | 23 11 | 23 5 | 20 53 | 17 41 | 5 54 |
| S 22 | 18 40 | 0 58 | 4 52 | 19 55 | 1 58 | 7 55 | 1 3 | 1 10 | 0 19 | 13 57 | 1 19 | 22 40 | 0 4 | 6 15 | 0 48 | 1 26 | 1 37 | 27 33 | 8 36 | 23 10 | 23 4 | 20 54 | 17 41 | 5 53 |
| M23 | 18 25 | 4s45 | 4 20 | 19 23 | 1 55 | 7 25 | 1 1 | 0 52 | 0 18 | 13 59 | 1 19 | 22 39 | 0 4 | 6 16 | 0 48 | 1 26 | 1 37 | 27 33 | 8 36 | 23 10 | 23 4 | 20 56 | 17 41 | 5 53 |
| T 24 | 18 9 | 10 21 | 3 32 | 18 49 | 1 52 | 6 54 | 0 58 | 0 33 | 0 17 | 14 2 | 1 20 | 22 38 | 0 4 | 6 17 | 0 48 | 1 26 | 1 37 | 27 34 | 8 36 | 23 10 | 23 4 | 20 58 | 17 41 | 5 53 |
| W25 | 17 53 | 15 29 | 2 32 | 18 13 | 1 48 | 6 23 | 0 55 | 0 15 | 0 16 | 14 4 | 1 20 | 22 38 | 0 4 | 6 17 | 0 48 | 1 27 | 1 37 | 27 34 | 8 36 | 23 10 | 23 4 | 21 0 | 17 42 | 5 53 |
| T 26 | 17 36 | 19 50 | 1 21 | 17 35 | 1 44 | 5 52 | 0 53 | 0n 3 | 0 15 | 14 7 | 1 20 | 22 37 | 0 4 | 6 18 | 0 48 | 1 27 | 1 37 | 27 34 | 8 36 | 23 10 | 23 3 | 21 2 | 17 42 | 5 52 |
| F 27 | 17 20 | 23 2 | 0 4 | 16 57 | 1 39 | 5 21 | 0 50 | 0 21 | 0 14 | 14 10 | 1 20 | 22 36 | 0 4 | 6 19 | 0 48 | 1 28 | 1 37 | 27 35 | 8 37 | 23 10 | 23 3 | 21 4 | 17 42 | 5 52 |
| S 28 | 17 3 | 24 45 | 1s13 | 16 16 | 1 33 | 4 50 | 0 47 | 0 39 | 0 13 | 14 12 | 1 20 | 22 36 | 0 4 | 6 20 | 0 48 | 1 28 | 1 37 | 27 35 | 8 37 | 23 10 | 23 3 | 21 6 | 17 43 | 5 52 |
| S 29 | 16 45 | 24 47 | 2 25 | 15 34 | 1 27 | 4 19 | 0 44 | 0 57 | 0 12 | 14 15 | 1 20 | 22 35 | 0 4 | 6 21 | 0 48 | 1 28 | 1 38 | 27 36 | 8 37 | 23 10 | 23 2 | 21 8 | 17 43 | 5 52 |
| M30 | 16 28 | 23 8 | 3 28 | 14 51 | 1 20 | 3 48 | 0 41 | 1 15 | 0 12 | 14 18 | 1 21 | 22 34 | 0 4 | 6 22 | 0 48 | 1 29 | 1 38 | 27 36 | 8 37 | 23 9 | 23 2 | 21 10 | 17 43 | 5 51 |
| T 31 | 16s10 | 20s 2 | 4s17 | 14s 6 | 1s12 | 3s16 | 0s38 | 1n33 | 0s11 | 14n21 | 1n21 | 22s34 | 0n 4 | 6n22 | 0n48 | 1n29 | 1n38 | 27n36 | 8n37 | 23n 9 | 23n 2 | 21n11 | 17n43 | 5s51 |

Julian Day Number = 2071697.5, Delta T = 27m54s
Ecliptic obliquity = 23°34'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'47, Lahiri = 9°21'47 Julian Calendar 1 Jan. 960 == Greg. Calendar 6 Jan. 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## FEBRUARY 960 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 1 31 | 16♒54'38 | 0♓39 | 27♒44 | 24♓27 | 5♈ 1 | 25°R25 | 16♑ 2 | 15°R46 | 29°R59 | 4°R24 | 19°R13 | 17♊59 | 9♊23 | 0°R 4 | W 1 |
| T 2 | 9 5 27 | 17°55'04 | 14°22 | 29°34 | 25°39 | 5°45 | 25♌17 | 16° 8 | 15♏43 | 29♏58 | 4♌23 | 19♊ 3 | 17°55 | 9°30 | 0♋ 1 | T 2 |
| F 3 | 9 9 24 | 18°55'28 | 27°42 | 1♓23 | 26°51 | 6°28 | 25° 9 | 16°15 | 15°41 | 29°57 | 4°21 | 18°53 | 17°52 | 9°37 | 29♊59 | F 3 |
| S 4 | 9 13 21 | 19°55'51 | 10♈39 | 3°11 | 28° 2 | 7°11 | 25° 2 | 16°21 | 15°39 | 29°56 | 4°20 | 18°45 | 17°49 | 9°43 | 29°57 | S 4 |
| S 5 | 9 17 17 | 20°56'11 | 23°13 | 4°57 | 29°14 | 7°54 | 24°54 | 16°28 | 15°37 | 29°55 | 4°18 | 18°39 | 17°46 | 9°50 | 29°55 | S 5 |
| M 6 | 9 21 14 | 21°56'29 | 5♉29 | 6°40 | 0♈25 | 8°37 | 24°46 | 16°34 | 15°34 | 29°54 | 4°17 | 18°35 | 17°43 | 9°57 | 29°53 | M 6 |
| T 7 | 9 25 10 | 22°56'45 | 17°30 | 8°21 | 1°37 | 9°20 | 24°38 | 16°40 | 15°32 | 29°52 | 4°16 | 18°34 | 17°39 | 10° 3 | 29°51 | T 7 |
| W 8 | 9 29 7 | 23°57'00 | 29°21 | 9°59 | 2°48 | 10° 3 | 24°30 | 16°46 | 15°30 | 29°51 | 4°14 | 18°D34 | 17°36 | 10°10 | 29°50 | W 8 |
| T 9 | 9 33 3 | 24°57'12 | 11♊ 9 | 11°33 | 3°59 | 10°46 | 24°22 | 16°52 | 15°27 | 29°50 | 4°13 | 18°34 | 17°33 | 10°17 | 29°48 | T 9 |
| F 10 | 9 37 0 | 25°57'22 | 22°58 | 13° 3 | 5°10 | 11°29 | 24°15 | 16°58 | 15°25 | 29°49 | 4°12 | 18°R34 | 17°30 | 10°23 | 29°46 | F 10 |
| S 11 | 9 40 56 | 26°57'30 | 4♋54 | 14°27 | 6°21 | 12°11 | 24° 7 | 17° 4 | 15°23 | 29°47 | 4°10 | 18°33 | 17°27 | 10°30 | 29°45 | S 11 |
| S 12 | 9 44 53 | 27°57'35 | 17° 0 | 15°47 | 7°32 | 12°54 | 23°59 | 17°10 | 15°20 | 29°46 | 4° 9 | 18°29 | 17°24 | 10°36 | 29°44 | S 12 |
| M13 | 9 48 49 | 28°57'39 | 29°21 | 17° 0 | 8°42 | 13°37 | 23°51 | 17°16 | 15°18 | 29°45 | 4° 8 | 18°23 | 17°20 | 10°43 | 29°42 | M13 |
| T 14 | 9 52 46 | 29°57'41 | 12♌ 0 | 18° 6 | 9°53 | 14°20 | 23°43 | 17°22 | 15°15 | 29°43 | 4° 6 | 18°14 | 17°17 | 10°50 | 29°41 | T 14 |
| W15 | 9 56 43 | 0♓57'40 | 24°56 | 19° 6 | 11° 3 | 15° 2 | 23°35 | 17°28 | 15°13 | 29°42 | 4° 5 | 18° 3 | 17°14 | 10°56 | 29°40 | W15 |
| T 16 | 10 0 39 | 1°57'38 | 8♍ 9 | 19°58 | 12°14 | 15°45 | 23°28 | 17°34 | 15°10 | 29°40 | 4° 4 | 17°51 | 17°11 | 11° 3 | 29°39 | T 16 |
| F 17 | 10 4 36 | 2°57'33 | 21°38 | 20°42 | 13°24 | 16°27 | 23°20 | 17°40 | 15° 8 | 29°39 | 4° 3 | 17°38 | 17° 8 | 11°10 | 29°38 | F 17 |
| S 18 | 10 8 32 | 3°57'27 | 5♎20 | 21°17 | 14°34 | 17°10 | 23°12 | 17°45 | 15° 5 | 29°38 | 4° 1 | 17°27 | 17° 4 | 11°16 | 29°37 | S 18 |
| S 19 | 10 12 29 | 4°57'19 | 19°10 | 21°44 | 15°44 | 17°52 | 23° 5 | 17°51 | 15° 3 | 29°36 | 4° 0 | 17°18 | 17° 1 | 11°23 | 29°36 | S 19 |
| M20 | 10 16 25 | 5°57'09 | 3♏ 8 | 22° 2 | 16°53 | 18°35 | 22°57 | 17°56 | 15° 0 | 29°35 | 3°59 | 17°12 | 16°58 | 11°30 | 29°35 | M20 |
| T 21 | 10 20 22 | 6°56'57 | 17° 9 | 22°12 | 18° 3 | 19°17 | 22°50 | 18° 2 | 14°58 | 29°33 | 3°58 | 17° 9 | 16°55 | 11°36 | 29°35 | T 21 |
| W22 | 10 24 18 | 7°56'44 | 1♐14 | 22°R13 | 19°13 | 20° 0 | 22°42 | 18° 7 | 14°55 | 29°32 | 3°57 | 17° 7 | 16°52 | 11°43 | 29°34 | W22 |
| T 23 | 10 28 15 | 8°56'29 | 15°19 | 22° 5 | 20°22 | 20°42 | 22°35 | 18°13 | 14°52 | 29°30 | 3°56 | 17° 7 | 16°49 | 11°50 | 29°34 | T 23 |
| F 24 | 10 32 12 | 9°56'12 | 29°25 | 21°50 | 21°31 | 21°24 | 22°28 | 18°18 | 14°50 | 29°29 | 3°54 | 17° 7 | 16°45 | 11°56 | 29°33 | F 24 |
| S 25 | 10 36 8 | 10°55'54 | 13♑31 | 21°26 | 22°40 | 22° 7 | 22°21 | 18°23 | 14°47 | 29°27 | 3°53 | 17° 5 | 16°42 | 12° 3 | 29°33 | S 25 |
| S 26 | 10 40 5 | 11°55'34 | 27°36 | 20°56 | 23°49 | 22°49 | 22°14 | 18°29 | 14°45 | 29°26 | 3°52 | 17° 1 | 16°39 | 12° 9 | 29°33 | S 26 |
| M27 | 10 44 1 | 12°55'12 | 11♒36 | 20°19 | 24°58 | 23°31 | 22° 7 | 18°34 | 14°42 | 29°24 | 3°51 | 16°53 | 16°36 | 12°16 | 29°D33 | M27 |
| T 28 | 10 47 58 | 13°54'48 | 25°28 | 19°37 | 26° 6 | 24°13 | 22° 0 | 18°39 | 14°39 | 29°22 | 3°50 | 16°43 | 16°33 | 12°23 | 29°33 | T 28 |
| W29 | 10 51 54 | 14♓54'22 | 9♓ 9 | 18♓50 | 27♈15 | 24♈55 | 21♌53 | 18♑44 | 14♏37 | 29♏21 | 3♌49 | 16♊31 | 16♊30 | 12♊29 | 29♊33 | W29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s51 | 15s48 | 4s49 | 13s20 | 1s 4 | 2s45 | 0s35 | 1n51 | 0s10 | 14n23 | 1n21 | 22s33 | 0n 4 | 6n23 | 0n48 | 1n30 | 1n38 | 27n37 | 8n37 | 23n 8 | 23n 2 | 21n13 | 17n44 | 5s51 |
| T 2 | 15 33 | 10 51 | 5 4 | 12 33 | 0 55 | 2 13 | 0 31 | 2 9 | 0 9 | 14 26 | 1 21 | 22 32 | 0 3 | 6 24 | 0 48 | 1 30 | 1 38 | 27 37 | 8 37 | 23 7 | 23 1 | 21 15 | 17 44 | 5 50 |
| F 3 | 15 14 | 5 31 | 5 1 | 11 45 | 0 46 | 1 41 | 0 28 | 2 27 | 0 8 | 14 29 | 1 21 | 22 31 | 0 3 | 6 25 | 0 48 | 1 31 | 1 38 | 27 38 | 8 37 | 23 6 | 23 1 | 21 17 | 17 44 | 5 50 |
| S 4 | 14 55 | 0 6 | 4 43 | 10 57 | 0 35 | 1 10 | 0 25 | 2 45 | 0 7 | 14 32 | 1 21 | 22 31 | 0 3 | 6 26 | 0 48 | 1 31 | 1 38 | 27 38 | 8 37 | 23 6 | 23 1 | 21 19 | 17 45 | 5 50 |
| S 5 | 14 36 | 5n11 | 4 12 | 10 8 | 0 24 | 0 38 | 0 21 | 3 3 | 0 7 | 14 34 | 1 21 | 22 30 | 0 3 | 6 27 | 0 48 | 1 32 | 1 38 | 27 38 | 8 37 | 23 5 | 23 0 | 21 21 | 17 45 | 5 49 |
| M 6 | 14 16 | 10 8 | 3 29 | 9 19 | 0 13 | 0 6 | 0 18 | 3 21 | 0 6 | 14 37 | 1 21 | 22 29 | 0 3 | 6 28 | 0 48 | 1 32 | 1 38 | 27 39 | 8 37 | 23 5 | 23 0 | 21 23 | 17 45 | 5 49 |
| T 7 | 13 57 | 14 37 | 2 38 | 8 30 | 0 1 | 0n25 | 0 15 | 3 39 | 0 5 | 14 40 | 1 21 | 22 29 | 0 3 | 6 29 | 0 48 | 1 33 | 1 38 | 27 39 | 8 37 | 23 5 | 23 0 | 21 24 | 17 46 | 5 49 |
| W 8 | 13 37 | 18 29 | 1 41 | 7 41 | 0n12 | 0 57 | 0 11 | 3 56 | 0 4 | 14 42 | 1 22 | 22 28 | 0 3 | 6 30 | 0 48 | 1 33 | 1 38 | 27 39 | 8 37 | 23 5 | 23 0 | 21 26 | 17 46 | 5 48 |
| T 9 | 13 17 | 21 35 | 0 40 | 6 53 | 0 25 | 1 29 | 0 7 | 4 14 | 0 3 | 14 45 | 1 22 | 22 27 | 0 3 | 6 30 | 0 48 | 1 34 | 1 38 | 27 40 | 8 37 | 23 5 | 22 59 | 21 28 | 17 46 | 5 48 |
| F 10 | 12 56 | 23 47 | 0n23 | 6 6 | 0 39 | 2 0 | 0 4 | 4 31 | 0 3 | 14 48 | 1 22 | 22 27 | 0 3 | 6 31 | 0 48 | 1 34 | 1 38 | 27 40 | 8 37 | 23 5 | 22 59 | 21 30 | 17 47 | 5 48 |
| S 11 | 12 36 | 24 55 | 1 26 | 5 21 | 0 53 | 2 32 | 0 0 | 4 49 | 0 2 | 14 51 | 1 22 | 22 26 | 0 3 | 6 32 | 0 48 | 1 35 | 1 38 | 27 40 | 8 37 | 23 5 | 22 59 | 21 32 | 17 47 | 5 47 |
| S 12 | 12 15 | 24 53 | 2 25 | 4 37 | 1 7 | 3 4 | 0n 4 | 5 6 | 0 1 | 14 53 | 1 22 | 22 25 | 0 3 | 6 33 | 0 48 | 1 36 | 1 38 | 27 41 | 8 37 | 23 4 | 22 58 | 21 34 | 17 48 | 5 47 |
| M13 | 11 54 | 23 38 | 3 19 | 3 55 | 1 21 | 3 35 | 0 7 | 5 24 | 0 0 | 14 56 | 1 22 | 22 24 | 0 3 | 6 34 | 0 48 | 1 36 | 1 38 | 27 41 | 8 37 | 23 4 | 22 58 | 21 35 | 17 48 | 5 47 |
| T 14 | 11 33 | 21 11 | 4 4 | 3 16 | 1 36 | 4 6 | 0 11 | 5 41 | 0n 1 | 14 59 | 1 22 | 22 24 | 0 3 | 6 35 | 0 48 | 1 37 | 1 38 | 27 41 | 8 37 | 23 3 | 22 58 | 21 37 | 17 48 | 5 46 |
| W15 | 11 12 | 17 38 | 4 37 | 2 39 | 1 50 | 4 38 | 0 15 | 5 59 | 0 1 | 15 1 | 1 22 | 22 23 | 0 3 | 6 36 | 0 48 | 1 37 | 1 38 | 27 42 | 8 37 | 23 2 | 22 57 | 21 39 | 17 49 | 5 46 |
| T 16 | 10 50 | 13 8 | 4 57 | 2 6 | 2 4 | 5 9 | 0 19 | 6 16 | 0 2 | 15 4 | 1 22 | 22 22 | 0 2 | 6 37 | 0 48 | 1 38 | 1 38 | 27 42 | 8 37 | 23 1 | 22 57 | 21 41 | 17 49 | 5 45 |
| F 17 | 10 29 | 7 56 | 5 0 | 1 36 | 2 18 | 5 40 | 0 23 | 6 33 | 0 3 | 15 6 | 1 22 | 22 22 | 0 2 | 6 38 | 0 49 | 1 38 | 1 38 | 27 42 | 8 37 | 23 0 | 22 57 | 21 43 | 17 49 | 5 45 |
| S 18 | 10 7 | 2 16 | 4 47 | 1 10 | 2 31 | 6 11 | 0 27 | 6 50 | 0 4 | 15 9 | 1 22 | 22 21 | 0 2 | 6 39 | 0 49 | 1 39 | 1 38 | 27 42 | 8 36 | 22 59 | 22 57 | 21 44 | 17 50 | 5 45 |
| S 19 | 9 45 | 3s36 | 4 16 | 0 48 | 2 43 | 6 42 | 0 31 | 7 7 | 0 4 | 15 12 | 1 22 | 22 20 | 0 2 | 6 40 | 0 49 | 1 40 | 1 38 | 27 43 | 8 36 | 22 58 | 22 56 | 21 46 | 17 50 | 5 44 |
| M20 | 9 23 | 9 20 | 3 30 | 0 30 | 2 55 | 7 12 | 0 35 | 7 24 | 0 5 | 15 14 | 1 22 | 22 20 | 0 2 | 6 41 | 0 49 | 1 40 | 1 38 | 27 43 | 8 36 | 22 57 | 22 56 | 21 48 | 17 51 | 5 44 |
| T 21 | 9 1 | 14 38 | 2 31 | 0 17 | 3 5 | 7 43 | 0 39 | 7 41 | 0 6 | 15 17 | 1 22 | 22 19 | 0 2 | 6 42 | 0 49 | 1 41 | 1 38 | 27 43 | 8 36 | 22 57 | 22 56 | 21 50 | 17 51 | 5 43 |
| W22 | 8 38 | 19 10 | 1 23 | 0 8 | 3 14 | 8 13 | 0 43 | 7 58 | 0 7 | 15 19 | 1 22 | 22 18 | 0 2 | 6 43 | 0 49 | 1 42 | 1 38 | 27 43 | 8 36 | 22 57 | 22 55 | 21 52 | 17 51 | 5 43 |
| T 23 | 8 16 | 22 36 | 0 10 | 0 3 | 3 23 | 8 43 | 0 47 | 8 14 | 0 7 | 15 21 | 1 22 | 22 18 | 0 2 | 6 44 | 0 49 | 1 42 | 1 38 | 27 44 | 8 36 | 22 57 | 22 55 | 21 53 | 17 52 | 5 43 |
| F 24 | 7 53 | 24 39 | 1s 5 | 0 4 | 3 29 | 9 13 | 0 51 | 8 31 | 0 8 | 15 24 | 1 22 | 22 17 | 0 2 | 6 45 | 0 49 | 1 43 | 1 38 | 27 44 | 8 36 | 22 57 | 22 55 | 21 55 | 17 52 | 5 42 |
| S 25 | 7 30 | 25 7 | 2 15 | 0 8 | 3 34 | 9 43 | 0 55 | 8 48 | 0 9 | 15 26 | 1 22 | 22 16 | 0 2 | 6 46 | 0 49 | 1 43 | 1 39 | 27 44 | 8 36 | 22 57 | 22 54 | 21 57 | 17 53 | 5 42 |
| S 26 | 7 8 | 23 58 | 3 16 | 0 17 | 3 37 | 10 13 | 0 59 | 9 4 | 0 9 | 15 28 | 1 22 | 22 16 | 0 2 | 6 47 | 0 49 | 1 44 | 1 39 | 27 44 | 8 36 | 22 56 | 22 54 | 21 59 | 17 53 | 5 41 |
| M27 | 6 45 | 21 20 | 4 6 | 0 31 | 3 39 | 10 42 | 1 3 | 9 20 | 0 10 | 15 31 | 1 22 | 22 15 | 0 2 | 6 48 | 0 49 | 1 45 | 1 39 | 27 44 | 8 36 | 22 55 | 22 54 | 22 0 | 17 53 | 5 41 |
| T 28 | 6 22 | 17 30 | 4 40 | 0 48 | 3 38 | 11 11 | 1 7 | 9 37 | 0 11 | 15 33 | 1 22 | 22 15 | 0 2 | 6 49 | 0 49 | 1 45 | 1 39 | 27 45 | 8 36 | 22 54 | 22 53 | 22 2 | 17 54 | 5 41 |
| W29 | 5s59 | 12s47 | 4s58 | 1s 8 | 3n36 | 11n40 | 1n12 | 9n53 | 0n12 | 15n35 | 1n22 | 22s14 | 0n 2 | 6n50 | 0n49 | 1n46 | 1n39 | 27n45 | 8n36 | 22n53 | 22n53 | 22n 4 | 17n54 | 5s40 |

Julian Day Number = 2071728.5, Delta T = 27m54s
Ecliptic obliquity = 23°34'28, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'51, Lahiri = 9°21'51 Julian Calendar 1 Feb. 960 == Greg. Calendar 6 Feb. 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## MARCH 960 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 55 51 | 15♓53'53 | 22♓34 | 18°R 0 | 28♈23 | 25♈37 | 21°R46 | 18♉49 | 14°R34 | 29°R19 | 3°R48 | 16°R18 | 16♊26 | 12♊36 | 29♊33 | T 1 |
| F 2 | 10 59 47 | 16°53'23 | 5♈43 | 17♓ 8 | 29°31 | 26°19 | 21♌40 | 18°53 | 14♍32 | 29♍18 | 3♌47 | 16♊ 5 | 16°23 | 12°43 | 29°33 | F 2 |
| S 3 | 11 3 44 | 17°52'50 | 18°32 | 16°15 | 0♉39 | 27° 1 | 21°33 | 18°58 | 14°29 | 29°16 | 3°46 | 15°54 | 16°20 | 12°49 | 29°34 | S 3 |
| S 4 | 11 7 41 | 18°52'16 | 1♉ 3 | 15°22 | 1°47 | 27°43 | 21°27 | 19° 3 | 14°26 | 29°14 | 3°45 | 15°45 | 16°17 | 12°56 | 29°34 | S 4 |
| M 5 | 11 11 37 | 19°51'39 | 13°17 | 14°29 | 2°54 | 28°25 | 21°21 | 19° 8 | 14°24 | 29°13 | 3°44 | 15°39 | 16°14 | 13° 3 | 29°35 | M 5 |
| T 6 | 11 15 34 | 20°50'59 | 25°18 | 13°39 | 4° 2 | 29° 7 | 21°15 | 19°12 | 14°21 | 29°11 | 3°43 | 15°36 | 16°10 | 13° 9 | 29°35 | T 6 |
| W 7 | 11 19 30 | 21°50'18 | 7♊ 9 | 12°52 | 5° 9 | 29°49 | 21° 9 | 19°17 | 14°19 | 29°10 | 3°42 | 15°34 | 16° 7 | 13°16 | 29°36 | W 7 |
| T 8 | 11 23 27 | 22°49'34 | 18°57 | 12° 9 | 6°16 | 0♋31 | 21° 3 | 19°21 | 14°16 | 29° 8 | 3°41 | 15°34 | 16° 4 | 13°23 | 29°37 | T 8 |
| F 9 | 11 27 23 | 23°48'48 | 0♋47 | 11°29 | 7°22 | 1°13 | 20°57 | 19°25 | 14°14 | 29° 6 | 3°41 | 15°34 | 16° 1 | 13°29 | 29°38 | F 9 |
| S 10 | 11 31 20 | 24°47'59 | 12°43 | 10°55 | 8°29 | 1°54 | 20°52 | 19°30 | 14°11 | 29° 5 | 3°40 | 15°33 | 15°58 | 13°36 | 29°39 | S 10 |
| S 11 | 11 35 16 | 25°47'08 | 24°52 | 10°26 | 9°35 | 2°36 | 20°46 | 19°34 | 14° 8 | 29° 3 | 3°39 | 15°30 | 15°55 | 13°42 | 29°40 | S 11 |
| M12 | 11 39 13 | 26°46'15 | 7♌18 | 10° 2 | 10°41 | 3°18 | 20°41 | 19°38 | 14° 6 | 29° 1 | 3°38 | 15°24 | 15°51 | 13°49 | 29°41 | M12 |
| T 13 | 11 43 10 | 27°45'19 | 20° 4 | 9°43 | 11°47 | 3°59 | 20°36 | 19°42 | 14° 3 | 29° 0 | 3°38 | 15°16 | 15°48 | 13°56 | 29°43 | T 13 |
| W14 | 11 47 6 | 28°44'21 | 3♍13 | 9°31 | 12°53 | 4°41 | 20°31 | 19°46 | 14° 1 | 28°58 | 3°37 | 15° 6 | 15°45 | 14° 2 | 29°44 | W14 |
| T 15 | 11 51 3 | 29°43'21 | 16°44 | 9°24 | 13°58 | 5°22 | 20°26 | 19°50 | 13°58 | 28°56 | 3°36 | 14°54 | 15°42 | 14° 9 | 29°45 | T 15 |
| F 16 | 11 54 59 | 0♈42'18 | 0♎35 | 9°D22 | 15° 3 | 6° 4 | 20°22 | 19°54 | 13°56 | 28°55 | 3°35 | 14°42 | 15°39 | 14°16 | 29°47 | F 16 |
| S 17 | 11 58 56 | 1°41'14 | 14°41 | 9°26 | 16° 8 | 6°45 | 20°17 | 19°57 | 13°54 | 28°53 | 3°35 | 14°32 | 15°36 | 14°22 | 29°49 | S 17 |
| S 18 | 12 2 52 | 2°40'07 | 28°59 | 9°35 | 17°13 | 7°27 | 20°13 | 20° 1 | 13°51 | 28°51 | 3°34 | 14°23 | 15°32 | 14°29 | 29°50 | S 18 |
| M19 | 12 6 49 | 3°38'59 | 13♏22 | 9°50 | 18°17 | 8° 8 | 20° 9 | 20° 5 | 13°49 | 28°50 | 3°33 | 14°17 | 15°29 | 14°36 | 29°52 | M19 |
| T 20 | 12 10 45 | 4°37'49 | 27°45 | 10° 9 | 19°21 | 8°49 | 20° 5 | 20° 8 | 13°46 | 28°48 | 3°33 | 14°14 | 15°26 | 14°42 | 29°54 | T 20 |
| W21 | 12 14 42 | 5°36'37 | 12♐ 4 | 10°33 | 20°25 | 9°31 | 20° 1 | 20°11 | 13°44 | 28°47 | 3°32 | 14°D13 | 15°23 | 14°49 | 29°56 | W21 |
| T 22 | 12 18 38 | 6°35'23 | 26°17 | 11° 1 | 21°28 | 10°12 | 19°58 | 20°15 | 13°42 | 28°45 | 3°32 | 14°13 | 15°20 | 14°56 | 29°58 | T 22 |
| F 23 | 12 22 35 | 7°34'08 | 10♑22 | 11°34 | 22°32 | 10°53 | 19°54 | 20°18 | 13°39 | 28°43 | 3°31 | 14°R13 | 15°16 | 15° 2 | 0♋ 0 | F 23 |
| S 24 | 12 26 32 | 8°32'51 | 24°18 | 12°10 | 23°35 | 11°34 | 19°51 | 20°21 | 13°37 | 28°42 | 3°31 | 14°12 | 15°13 | 15° 9 | 0° 2 | S 24 |
| S 25 | 12 30 28 | 9°31'32 | 8♒ 5 | 12°51 | 24°37 | 12°15 | 19°48 | 20°24 | 13°35 | 28°40 | 3°30 | 14° 9 | 15°10 | 15°16 | 0° 5 | S 25 |
| M26 | 12 34 25 | 10°30'12 | 21°43 | 13°35 | 25°40 | 12°56 | 19°45 | 20°27 | 13°32 | 28°38 | 3°30 | 14° 3 | 15° 7 | 15°22 | 0° 7 | M26 |
| T 27 | 12 38 21 | 11°28'49 | 5♓10 | 14°23 | 26°42 | 13°37 | 19°42 | 20°30 | 13°30 | 28°37 | 3°30 | 13°55 | 15° 4 | 15°29 | 0°10 | T 27 |
| W28 | 12 42 18 | 12°27'25 | 18°26 | 15°14 | 27°43 | 14°18 | 19°40 | 20°33 | 13°28 | 28°35 | 3°29 | 13°45 | 15° 1 | 15°35 | 0°12 | W28 |
| T 29 | 12 46 14 | 13°25'59 | 1♈28 | 16° 8 | 28°45 | 14°59 | 19°37 | 20°35 | 13°26 | 28°34 | 3°29 | 13°35 | 14°57 | 15°42 | 0°15 | T 29 |
| F 30 | 12 50 11 | 14°24'31 | 14°17 | 17° 6 | 29°45 | 15°40 | 19°35 | 20°38 | 13°24 | 28°32 | 3°29 | 13°24 | 14°54 | 15°49 | 0°17 | F 30 |
| S 31 | 12 54 7 | 15♈23'01 | 26♈52 | 18♓ 6 | 0♊46 | 16♉21 | 19♌33 | 20♑40 | 13♍22 | 28♍30 | 3♌28 | 13♊15 | 14♊51 | 15♊55 | 0♋20 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ☊ | ☊ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 5s36 | 7s31 | 4s58 | 1s32 | 3n31 | 12n 8 | 1n16 | 10n 9 | 0n12 | 15n37 | 1n22 | 22s13 | 0n 1 | 6n51 | 0n49 | 1n47 | 1n39 | 27n45 | 8n36 | 22n52 | 22n53 | 22n 6 | 17n55 | 5s40 |
| F 2 | 5 12 | 2 3 | 4 43 | 1 58 | 3 25 | 12 36 | 1 20 | 10 25 | 0 13 | 15 39 | 1 22 | 22 13 | 0 1 | 6 52 | 0 49 | 1 47 | 1 39 | 27 45 | 8 36 | 22 51 | 22 52 | 22 7 | 17 55 | 5 39 |
| S 3 | 4 49 | 3n24 | 4 14 | 2 25 | 3 17 | 13 4 | 1 24 | 10 41 | 0 14 | 15 41 | 1 22 | 22 12 | 0 1 | 6 53 | 0 49 | 1 48 | 1 39 | 27 45 | 8 35 | 22 49 | 22 52 | 22 9 | 17 56 | 5 39 |
| S 4 | 4 26 | 8 35 | 3 32 | 2 55 | 3 8 | 13 32 | 1 28 | 10 57 | 0 14 | 15 43 | 1 22 | 22 12 | 0 1 | 6 54 | 0 49 | 1 49 | 1 39 | 27 45 | 8 35 | 22 48 | 22 52 | 22 11 | 17 56 | 5 38 |
| M 5 | 4 2 | 13 20 | 2 42 | 3 25 | 2 57 | 14 0 | 1 32 | 11 12 | 0 15 | 15 45 | 1 22 | 22 11 | 0 1 | 6 55 | 0 49 | 1 49 | 1 39 | 27 45 | 8 35 | 22 48 | 22 51 | 22 12 | 17 56 | 5 38 |
| T 6 | 3 39 | 17 30 | 1 45 | 3 56 | 2 45 | 14 27 | 1 36 | 11 28 | 0 16 | 15 47 | 1 22 | 22 10 | 0 1 | 6 56 | 0 49 | 1 50 | 1 39 | 27 46 | 8 35 | 22 47 | 22 51 | 22 14 | 17 57 | 5 38 |
| W 7 | 3 15 | 20 54 | 0 44 | 4 26 | 2 32 | 14 53 | 1 41 | 11 43 | 0 16 | 15 49 | 1 22 | 22 10 | 0 1 | 6 57 | 0 49 | 1 51 | 1 39 | 27 46 | 8 35 | 22 47 | 22 51 | 22 16 | 17 57 | 5 37 |
| T 8 | 2 52 | 23 25 | 0n18 | 4 56 | 2 18 | 15 20 | 1 45 | 11 59 | 0 17 | 15 51 | 1 22 | 22 9 | 0 1 | 6 58 | 0 49 | 1 51 | 1 39 | 27 46 | 8 35 | 22 47 | 22 50 | 22 18 | 17 58 | 5 37 |
| F 9 | 2 28 | 24 54 | 1 20 | 5 24 | 2 3 | 15 46 | 1 49 | 12 14 | 0 18 | 15 53 | 1 21 | 22 9 | 0 1 | 6 59 | 0 49 | 1 52 | 1 39 | 27 46 | 8 35 | 22 47 | 22 50 | 22 19 | 17 58 | 5 36 |
| S 10 | 2 5 | 25 16 | 2 19 | 5 51 | 1 48 | 16 11 | 1 53 | 12 29 | 0 18 | 15 54 | 1 21 | 22 8 | 0 1 | 7 0 | 0 49 | 1 53 | 1 39 | 27 46 | 8 35 | 22 47 | 22 50 | 22 21 | 17 58 | 5 36 |
| S 11 | 1 41 | 24 26 | 3 12 | 6 17 | 1 32 | 16 37 | 1 57 | 12 44 | 0 19 | 15 56 | 1 21 | 22 8 | 0 1 | 7 1 | 0 49 | 1 53 | 1 39 | 27 46 | 8 35 | 22 47 | 22 49 | 22 23 | 17 59 | 5 36 |
| M12 | 1 17 | 22 23 | 3 58 | 6 40 | 1 16 | 17 2 | 2 1 | 12 59 | 0 19 | 15 58 | 1 21 | 22 7 | 0 1 | 7 2 | 0 48 | 1 54 | 1 39 | 27 46 | 8 34 | 22 46 | 22 49 | 22 24 | 17 59 | 5 35 |
| T 13 | 0 54 | 19 11 | 4 33 | 7 2 | 1 1 | 17 26 | 2 5 | 13 14 | 0 20 | 15 59 | 1 21 | 22 7 | 0 1 | 7 3 | 0 48 | 1 55 | 1 39 | 27 46 | 8 34 | 22 45 | 22 49 | 22 26 | 18 0 | 5 35 |
| W14 | 0 30 | 14 58 | 4 55 | 7 21 | 0 45 | 17 50 | 2 9 | 13 29 | 0 21 | 16 1 | 1 21 | 22 6 | 0 0 | 7 4 | 0 48 | 1 55 | 1 39 | 27 46 | 8 34 | 22 44 | 22 48 | 22 28 | 18 0 | 5 34 |
| T 15 | 0 7 | 9 53 | 5 1 | 7 38 | 0 30 | 18 14 | 2 13 | 13 43 | 0 21 | 16 2 | 1 21 | 22 6 | 0 0 | 7 5 | 0 48 | 1 56 | 1 39 | 27 46 | 8 34 | 22 43 | 22 48 | 22 29 | 18 1 | 5 34 |
| F 16 | 0n17 | 4 12 | 4 50 | 7 52 | 0 15 | 18 37 | 2 17 | 13 58 | 0 22 | 16 3 | 1 21 | 22 5 | 0 0 | 7 6 | 0 48 | 1 57 | 1 39 | 27 46 | 8 34 | 22 42 | 22 48 | 22 31 | 18 1 | 5 33 |
| S 17 | 0 40 | 1s48 | 4 21 | 8 4 | 0 1 | 19 0 | 2 21 | 14 12 | 0 23 | 16 5 | 1 21 | 22 5 | 0 0 | 7 7 | 0 48 | 1 57 | 1 39 | 27 46 | 8 34 | 22 40 | 22 47 | 22 33 | 18 1 | 5 33 |
| S 18 | 1 4 | 7 49 | 3 36 | 8 13 | 0s13 | 19 23 | 2 25 | 14 26 | 0 23 | 16 6 | 1 21 | 22 4 | 0 0 | 7 8 | 0 48 | 1 58 | 1 39 | 27 46 | 8 34 | 22 39 | 22 47 | 22 34 | 18 2 | 5 33 |
| M19 | 1 28 | 13 28 | 2 36 | 8 20 | 0 27 | 19 45 | 2 29 | 14 40 | 0 24 | 16 7 | 1 20 | 22 4 | 0 0 | 7 9 | 0 48 | 1 59 | 1 39 | 27 46 | 8 34 | 22 39 | 22 47 | 22 36 | 18 2 | 5 32 |
| T 20 | 1 51 | 18 22 | 1 26 | 8 25 | 0 40 | 20 6 | 2 32 | 14 54 | 0 24 | 16 8 | 1 20 | 22 3 | 0s 0 | 7 10 | 0 48 | 1 59 | 1 39 | 27 46 | 8 33 | 22 38 | 22 46 | 22 38 | 18 3 | 5 32 |
| W21 | 2 14 | 22 11 | 0 11 | 8 27 | 0 52 | 20 27 | 2 36 | 15 8 | 0 25 | 16 9 | 1 20 | 22 3 | 0 0 | 7 11 | 0 48 | 2 0 | 1 39 | 27 46 | 8 33 | 22 38 | 22 46 | 22 39 | 18 3 | 5 31 |
| T 22 | 2 38 | 24 35 | 1s 4 | 8 27 | 1 4 | 20 48 | 2 40 | 15 22 | 0 26 | 16 11 | 1 20 | 22 3 | 0 0 | 7 11 | 0 48 | 2 1 | 1 39 | 27 46 | 8 33 | 22 38 | 22 46 | 22 41 | 18 4 | 5 31 |
| F 23 | 3 1 | 25 24 | 2 14 | 8 25 | 1 15 | 21 8 | 2 43 | 15 35 | 0 26 | 16 11 | 1 20 | 22 2 | 0 0 | 7 12 | 0 48 | 2 1 | 1 39 | 27 46 | 8 33 | 22 38 | 22 45 | 22 43 | 18 4 | 5 31 |
| S 24 | 3 24 | 24 36 | 3 16 | 8 21 | 1 25 | 21 28 | 2 47 | 15 49 | 0 27 | 16 12 | 1 20 | 22 2 | 0 0 | 7 13 | 0 48 | 2 2 | 1 39 | 27 46 | 8 33 | 22 38 | 22 45 | 22 44 | 18 4 | 5 30 |
| S 25 | 3 48 | 22 18 | 4 6 | 8 14 | 1 35 | 21 47 | 2 50 | 16 2 | 0 27 | 16 13 | 1 20 | 22 1 | 0 0 | 7 14 | 0 48 | 2 3 | 1 39 | 27 46 | 8 33 | 22 38 | 22 45 | 22 46 | 18 5 | 5 30 |
| M26 | 4 11 | 18 47 | 4 41 | 8 5 | 1 44 | 22 5 | 2 54 | 16 15 | 0 28 | 16 14 | 1 20 | 22 1 | 0 1 | 7 15 | 0 48 | 2 3 | 1 39 | 27 46 | 8 33 | 22 37 | 22 44 | 22 47 | 18 5 | 5 29 |
| T 27 | 4 34 | 14 19 | 5 0 | 7 55 | 1 53 | 22 24 | 2 57 | 16 28 | 0 28 | 16 15 | 1 19 | 22 1 | 0 1 | 7 16 | 0 48 | 2 4 | 1 39 | 27 46 | 8 32 | 22 36 | 22 44 | 22 49 | 18 6 | 5 29 |
| W28 | 4 57 | 9 14 | 5 3 | 7 42 | 2 1 | 22 41 | 3 0 | 16 41 | 0 29 | 16 15 | 1 19 | 22 0 | 0 1 | 7 17 | 0 48 | 2 4 | 1 39 | 27 46 | 8 32 | 22 35 | 22 44 | 22 51 | 18 6 | 5 29 |
| T 29 | 5 20 | 3 50 | 4 49 | 7 28 | 2 8 | 22 58 | 3 3 | 16 54 | 0 29 | 16 16 | 1 19 | 22 0 | 0 1 | 7 17 | 0 48 | 2 5 | 1 39 | 27 46 | 8 32 | 22 34 | 22 43 | 22 52 | 18 6 | 5 28 |
| F 30 | 5 43 | 1n39 | 4 21 | 7 11 | 2 14 | 23 15 | 3 7 | 17 6 | 0 30 | 16 17 | 1 19 | 22 0 | 0 1 | 7 18 | 0 48 | 2 6 | 1 39 | 27 46 | 8 32 | 22 32 | 22 43 | 22 54 | 18 7 | 5 28 |
| S 31 | 6n 5 | 6n58 | 3s41 | 6s53 | 2s20 | 23n31 | 3n10 | 17n19 | 0n31 | 16n17 | 1n19 | 21s59 | 0s 1 | 7n19 | 0n48 | 2n 6 | 1n39 | 27n46 | 8n32 | 22n31 | 22n43 | 22n55 | 18n 7 | 5s27 |

Julian Day Number = 2071757.5, Delta T = 27m53s
Ecliptic obliquity = 23°34'29, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'55, Lahiri = 9°21'55 Julian Calendar 1 March 960 == Greg. Calendar 6 March 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## APRIL 960 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 58 4 | 16♈21'29 | 9♉12 | 19♓ 9 | 1♊46 | 17♉ 2 | 19°R31 | 20♋43 | 13°R20 | 28°R29 | 3°R28 | 13°R 8 | 14♊48 | 16♊ 2 | 0♋23 | S 1 |
| M 2 | 13 2 1 | 17°19'55 | 21°20 | 20°14 | 2°46 | 17°43 | 19♌30 | 20°45 | 13♍18 | 28♍27 | 3♌28 | 13♊ 3 | 14°45 | 16° 9 | 0°26 | M 2 |
| T 3 | 13 5 57 | 18°18'19 | 3♊17 | 21°23 | 3°46 | 18°24 | 19°28 | 20°47 | 13°16 | 28°26 | 3°28 | 13° 0 | 14°41 | 16°15 | 0°29 | T 3 |
| W 4 | 13 9 54 | 19°16'41 | 15° 7 | 22°33 | 4°45 | 19° 5 | 19°27 | 20°50 | 13°14 | 28°24 | 3°27 | 13°D 0 | 14°38 | 16°22 | 0°32 | W 4 |
| T 5 | 13 13 50 | 20°15'01 | 26°54 | 23°46 | 5°43 | 19°45 | 19°26 | 20°52 | 13°12 | 28°23 | 3°27 | 13° 1 | 14°35 | 16°29 | 0°35 | T 5 |
| F 6 | 13 17 47 | 21°13'19 | 8♋43 | 25° 2 | 6°41 | 20°26 | 19°25 | 20°54 | 13°10 | 28°21 | 3°27 | 13° 2 | 14°32 | 16°35 | 0°39 | F 6 |
| S 7 | 13 21 43 | 22°11'35 | 20°40 | 26°20 | 7°39 | 21° 7 | 19°24 | 20°55 | 13° 8 | 28°20 | 3°27 | 13°R 2 | 14°29 | 16°42 | 0°42 | S 7 |
| S 8 | 13 25 40 | 23° 9'48 | 2♌48 | 27°39 | 8°36 | 21°47 | 19°24 | 20°57 | 13° 6 | 28°18 | 3°27 | 13° 2 | 14°26 | 16°49 | 0°45 | S 8 |
| M 9 | 13 29 36 | 24° 8'00 | 15°14 | 29° 1 | 9°33 | 22°28 | 19°23 | 20°59 | 13° 4 | 28°17 | 3°27 | 13° 0 | 14°22 | 16°55 | 0°49 | M 9 |
| T 10 | 13 33 33 | 25° 6'09 | 28° 2 | 0♈26 | 10°29 | 23° 8 | 19°D23 | 21° 0 | 13° 3 | 28°15 | 3°D27 | 12°55 | 14°19 | 17° 2 | 0°53 | T 10 |
| W11 | 13 37 30 | 26° 4'17 | 11♍14 | 1°52 | 11°25 | 23°49 | 19°23 | 21° 2 | 13° 1 | 28°14 | 3°27 | 12°50 | 14°16 | 17° 8 | 0°56 | W11 |
| T 12 | 13 41 26 | 27° 2'22 | 24°52 | 3°20 | 12°20 | 24°29 | 19°24 | 21° 3 | 12°59 | 28°13 | 3°27 | 12°43 | 14°13 | 17°15 | 1° 0 | T 12 |
| F 13 | 13 45 23 | 28° 0'26 | 8♎55 | 4°50 | 13°14 | 25°10 | 19°24 | 21° 4 | 12°58 | 28°11 | 3°27 | 12°35 | 14°10 | 17°22 | 1° 4 | F 13 |
| S 14 | 13 49 19 | 28°58'27 | 23°19 | 6°22 | 14° 8 | 25°50 | 19°25 | 21° 6 | 12°56 | 28°10 | 3°27 | 12°29 | 14° 7 | 17°28 | 1° 7 | S 14 |
| S 15 | 13 53 16 | 29°56'27 | 7♏58 | 7°57 | 15° 2 | 26°31 | 19°25 | 21° 7 | 12°55 | 28° 9 | 3°27 | 12°23 | 14° 3 | 17°35 | 1°11 | S 15 |
| M16 | 13 57 12 | 0♉54'26 | 22°45 | 9°33 | 15°54 | 27°11 | 19°26 | 21° 8 | 12°53 | 28° 7 | 3°27 | 12°20 | 14° 0 | 17°42 | 1°15 | M16 |
| T 17 | 14 1 9 | 1°52'23 | 7♐33 | 11°11 | 16°47 | 27°51 | 19°27 | 21° 9 | 12°52 | 28° 6 | 3°28 | 12°D19 | 13°57 | 17°48 | 1°19 | T 17 |
| W18 | 14 5 5 | 2°50'18 | 22°14 | 12°51 | 17°38 | 28°32 | 19°29 | 21° 9 | 12°50 | 28° 5 | 3°28 | 12°19 | 13°54 | 17°55 | 1°24 | W18 |
| T 19 | 14 9 2 | 3°48'12 | 6♑44 | 14°33 | 18°29 | 29°12 | 19°30 | 21°10 | 12°49 | 28° 3 | 3°28 | 12°20 | 13°51 | 18° 2 | 1°28 | T 19 |
| F 20 | 14 12 59 | 4°46'05 | 21° 0 | 16°17 | 19°19 | 29°52 | 19°32 | 21°11 | 12°48 | 28° 2 | 3°28 | 12°21 | 13°47 | 18° 8 | 1°32 | F 20 |
| S 21 | 14 16 55 | 5°43'57 | 4♒58 | 18° 3 | 20° 8 | 0♊32 | 19°34 | 21°11 | 12°47 | 28° 1 | 3°29 | 12°R22 | 13°44 | 18°15 | 1°36 | S 21 |
| S 22 | 14 20 52 | 6°41'47 | 18°40 | 19°51 | 20°57 | 1°12 | 19°36 | 21°12 | 12°45 | 28° 0 | 3°29 | 12°21 | 13°41 | 18°22 | 1°41 | S 22 |
| M23 | 14 24 48 | 7°39'37 | 2♓ 6 | 21°41 | 21°44 | 1°52 | 19°38 | 21°12 | 12°44 | 27°58 | 3°29 | 12°19 | 13°38 | 18°28 | 1°45 | M23 |
| T 24 | 14 28 45 | 8°37'24 | 15°16 | 23°33 | 22°31 | 2°32 | 19°40 | 21°12 | 12°43 | 27°57 | 3°30 | 12°16 | 13°35 | 18°35 | 1°50 | T 24 |
| W25 | 14 32 41 | 9°35'11 | 28°12 | 25°27 | 23°17 | 3°12 | 19°43 | 21°12 | 12°42 | 27°56 | 3°30 | 12°11 | 13°32 | 18°42 | 1°54 | W25 |
| T 26 | 14 36 38 | 10°32'56 | 10♈54 | 27°23 | 24° 3 | 3°52 | 19°46 | 21°R12 | 12°41 | 27°55 | 3°31 | 12° 6 | 13°28 | 18°48 | 1°59 | T 26 |
| F 27 | 14 40 34 | 11°30'40 | 23°23 | 29°21 | 24°47 | 4°32 | 19°49 | 21°12 | 12°40 | 27°54 | 3°31 | 12° 0 | 13°25 | 18°55 | 2° 3 | F 27 |
| S 28 | 14 44 31 | 12°28'23 | 5♉41 | 1♉20 | 25°30 | 5°12 | 19°52 | 21°12 | 12°39 | 27°53 | 3°31 | 11°56 | 13°22 | 19° 1 | 2° 8 | S 28 |
| S 29 | 14 48 28 | 13°26'04 | 17°48 | 3°22 | 26°12 | 5°52 | 19°55 | 21°12 | 12°38 | 27°52 | 3°32 | 11°52 | 13°19 | 19° 8 | 2°13 | S 29 |
| M30 | 14 52 24 | 14♉23'44 | 29♉47 | 5♉25 | 26♊54 | 6♊32 | 19♌58 | 21♋11 | 12♍37 | 27♍51 | 3♌33 | 11♊50 | 13♊16 | 19♊15 | 2♋18 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 6n28 | 11n56 | 2s51 | 6s33 | 2s26 | 23n46 | 3n13 | 17n31 | 0n31 | 16n18 | 1n19 | 21s59 | 0s 1 | 7n20 | 0n48 | 2n 7 | 1n39 | 27n46 | 8n32 | 22n30 | 22n42 | 22n57 | 18n 7 | 5s27 | |
| M 2 | 6 51 | 16 22 | 1 54 | 6 11 | 2 30 | 24 1 | 3 15 | 17 43 | 0 32 | 16 18 | 1 19 | 21 59 | 0 1 | 7 20 | 0 48 | 2 8 | 1 39 | 27 46 | 8 31 | 22 30 | 22 42 | 22 58 | 18 8 | 5 27 | |
| T 3 | 7 13 | 20 5 | 0 52 | 5 48 | 2 34 | 24 16 | 3 18 | 17 55 | 0 32 | 16 18 | 1 18 | 21 59 | 0 1 | 7 21 | 0 48 | 2 8 | 1 39 | 27 46 | 8 31 | 22 29 | 22 41 | 23 0 | 18 8 | 5 26 | |
| W 4 | 7 35 | 22 56 | 0n11 | 5 23 | 2 38 | 24 30 | 3 21 | 18 7 | 0 33 | 16 19 | 1 18 | 21 58 | 0 1 | 7 22 | 0 48 | 2 9 | 1 39 | 27 46 | 8 31 | 22 29 | 22 41 | 23 2 | 18 9 | 5 26 | |
| T 5 | 7 57 | 24 47 | 1 14 | 4 57 | 2 41 | 24 43 | 3 23 | 18 18 | 0 33 | 16 19 | 1 18 | 21 58 | 0 1 | 7 23 | 0 48 | 2 9 | 1 39 | 27 46 | 8 31 | 22 29 | 22 41 | 23 3 | 18 9 | 5 25 | |
| F 6 | 8 19 | 25 31 | 2 14 | 4 29 | 2 43 | 24 56 | 3 26 | 18 30 | 0 34 | 16 19 | 1 18 | 21 58 | 0 1 | 7 23 | 0 48 | 2 10 | 1 39 | 27 45 | 8 31 | 22 29 | 22 40 | 23 5 | 18 9 | 5 25 | |
| S 7 | 8 41 | 25 5 | 3 9 | 3 59 | 2 45 | 25 8 | 3 28 | 18 41 | 0 34 | 16 19 | 1 18 | 21 58 | 0 1 | 7 24 | 0 48 | 2 11 | 1 39 | 27 45 | 8 31 | 22 30 | 22 40 | 23 6 | 18 10 | 5 25 | |
| S 8 | 9 3 | 23 28 | 3 56 | 3 28 | 2 46 | 25 20 | 3 31 | 18 53 | 0 35 | 16 19 | 1 18 | 21 57 | 0 2 | 7 25 | 0 48 | 2 11 | 1 39 | 27 45 | 8 31 | 22 29 | 22 40 | 23 8 | 18 10 | 5 24 | |
| M 9 | 9 25 | 20 42 | 4 33 | 2 56 | 2 46 | 25 31 | 3 33 | 19 4 | 0 35 | 16 19 | 1 17 | 21 57 | 0 2 | 7 25 | 0 48 | 2 12 | 1 39 | 27 45 | 8 30 | 22 29 | 22 39 | 23 9 | 18 10 | 5 24 | |
| T 10 | 9 46 | 16 53 | 4 58 | 2 22 | 2 46 | 25 41 | 3 35 | 19 14 | 0 36 | 16 19 | 1 17 | 21 57 | 0 2 | 7 26 | 0 48 | 2 12 | 1 39 | 27 45 | 8 30 | 22 29 | 22 39 | 23 11 | 18 11 | 5 24 | |
| W11 | 10 7 | 12 8 | 5 8 | 1 47 | 2 45 | 25 51 | 3 37 | 19 25 | 0 36 | 16 19 | 1 17 | 21 57 | 0 2 | 7 27 | 0 48 | 2 13 | 1 39 | 27 45 | 8 30 | 22 28 | 22 38 | 23 12 | 18 11 | 5 23 | |
| T 12 | 10 29 | 6 40 | 5 2 | 1 11 | 2 44 | 26 1 | 3 38 | 19 36 | 0 37 | 16 18 | 1 17 | 21 57 | 0 2 | 7 27 | 0 48 | 2 13 | 1 39 | 27 44 | 8 30 | 22 27 | 22 38 | 23 14 | 18 11 | 5 23 | |
| F 13 | 10 50 | 0 41 | 4 37 | 0 33 | 2 42 | 26 9 | 3 40 | 19 46 | 0 37 | 16 18 | 1 17 | 21 57 | 0 2 | 7 28 | 0 48 | 2 14 | 1 39 | 27 44 | 8 30 | 22 26 | 22 38 | 23 15 | 18 12 | 5 23 | |
| S 14 | 11 10 | 5s29 | 3 54 | 0n 6 | 2 40 | 26 18 | 3 42 | 19 56 | 0 38 | 16 18 | 1 17 | 21 57 | 0 2 | 7 28 | 0 48 | 2 14 | 1 39 | 27 44 | 8 30 | 22 25 | 22 37 | 23 17 | 18 12 | 5 22 | |
| S 15 | 11 31 | 11 29 | 2 55 | 0 46 | 2 37 | 26 25 | 3 43 | 20 6 | 0 38 | 16 17 | 1 16 | 21 57 | 0 2 | 7 29 | 0 48 | 2 15 | 1 39 | 27 44 | 8 29 | 22 25 | 22 37 | 23 18 | 18 12 | 5 22 | |
| M16 | 11 51 | 16 53 | 1 44 | 1 27 | 2 34 | 26 32 | 3 44 | 20 16 | 0 39 | 16 17 | 1 16 | 21 56 | 0 2 | 7 29 | 0 48 | 2 15 | 1 39 | 27 44 | 8 29 | 22 24 | 22 37 | 23 20 | 18 12 | 5 22 | |
| T 17 | 12 12 | 21 16 | 0 26 | 2 9 | 2 29 | 26 39 | 3 45 | 20 26 | 0 39 | 16 16 | 1 16 | 21 56 | 0 2 | 7 30 | 0 48 | 2 16 | 1 39 | 27 43 | 8 29 | 22 24 | 22 36 | 23 21 | 18 13 | 5 21 | |
| W18 | 12 32 | 24 14 | 0s54 | 2 53 | 2 25 | 26 45 | 3 46 | 20 35 | 0 40 | 16 16 | 1 16 | 21 56 | 0 2 | 7 31 | 0 48 | 2 16 | 1 38 | 27 43 | 8 29 | 22 24 | 22 36 | 23 23 | 18 13 | 5 21 | |
| T 19 | 12 51 | 25 33 | 2 9 | 3 37 | 2 20 | 26 50 | 3 47 | 20 45 | 0 40 | 16 15 | 1 16 | 21 56 | 0 3 | 7 31 | 0 48 | 2 17 | 1 38 | 27 43 | 8 29 | 22 24 | 22 35 | 23 24 | 18 13 | 5 21 | |
| F 20 | 13 11 | 25 8 | 3 15 | 4 23 | 2 14 | 26 55 | 3 47 | 20 54 | 0 41 | 16 14 | 1 16 | 21 56 | 0 3 | 7 31 | 0 48 | 2 17 | 1 38 | 27 43 | 8 29 | 22 24 | 22 35 | 23 26 | 18 14 | 5 20 | |
| S 21 | 13 30 | 23 8 | 4 8 | 5 9 | 2 8 | 26 59 | 3 48 | 21 3 | 0 41 | 16 14 | 1 15 | 21 56 | 0 3 | 7 32 | 0 47 | 2 18 | 1 38 | 27 43 | 8 28 | 22 24 | 22 35 | 23 27 | 18 14 | 5 20 | |
| S 22 | 13 50 | 19 50 | 4 46 | 5 56 | 2 1 | 27 3 | 3 48 | 21 12 | 0 41 | 16 13 | 1 15 | 21 56 | 0 3 | 7 32 | 0 47 | 2 18 | 1 38 | 27 42 | 8 28 | 22 24 | 22 34 | 23 29 | 18 14 | 5 20 | |
| M23 | 14 9 | 15 33 | 5 7 | 6 44 | 1 54 | 27 7 | 3 48 | 21 20 | 0 42 | 16 12 | 1 15 | 21 56 | 0 3 | 7 33 | 0 47 | 2 19 | 1 38 | 27 42 | 8 28 | 22 24 | 22 34 | 23 30 | 18 14 | 5 19 | |
| T 24 | 14 27 | 10 37 | 5 11 | 7 33 | 1 47 | 27 9 | 3 48 | 21 29 | 0 42 | 16 11 | 1 15 | 21 56 | 0 3 | 7 33 | 0 47 | 2 19 | 1 38 | 27 42 | 8 28 | 22 23 | 22 34 | 23 32 | 18 15 | 5 19 | |
| W25 | 14 46 | 5 18 | 5 0 | 8 22 | 1 39 | 27 11 | 3 48 | 21 37 | 0 43 | 16 10 | 1 15 | 21 57 | 0 3 | 7 34 | 0 47 | 2 20 | 1 38 | 27 42 | 8 28 | 22 23 | 22 33 | 23 33 | 18 15 | 5 19 | |
| T 26 | 15 4 | 0n 8 | 4 34 | 9 12 | 1 30 | 27 13 | 3 47 | 21 45 | 0 43 | 16 9 | 1 15 | 21 57 | 0 3 | 7 34 | 0 47 | 2 20 | 1 38 | 27 41 | 8 28 | 22 22 | 22 33 | 23 35 | 18 15 | 5 19 | |
| F 27 | 15 22 | 5 30 | 3 55 | 10 2 | 1 21 | 27 14 | 3 46 | 21 53 | 0 44 | 16 8 | 1 14 | 21 57 | 0 3 | 7 34 | 0 47 | 2 20 | 1 38 | 27 41 | 8 27 | 22 21 | 22 32 | 23 36 | 18 15 | 5 18 | |
| S 28 | 15 40 | 10 35 | 3 5 | 10 53 | 1 12 | 27 15 | 3 45 | 22 1 | 0 44 | 16 7 | 1 14 | 21 57 | 0 3 | 7 35 | 0 47 | 2 21 | 1 38 | 27 41 | 8 27 | 22 21 | 22 32 | 23 37 | 18 15 | 5 18 | |
| S 29 | 15 58 | 15 11 | 2 8 | 11 44 | 1 2 | 27 15 | 3 44 | 22 8 | 0 44 | 16 6 | 1 14 | 21 57 | 0 3 | 7 35 | 0 47 | 2 21 | 1 38 | 27 41 | 8 27 | 22 20 | 22 32 | 23 39 | 18 16 | 5 18 | |
| M30 | 16n15 | 19n 9 | 1s 6 | 12n35 | 0s53 | 27n15 | 3n43 | 22n16 | 0n45 | 16n 5 | 1n14 | 21s57 | 0s 3 | 7n35 | 0n47 | 2n22 | 1n38 | 27n40 | 8n27 | 22n20 | 22n31 | 23n40 | 18n16 | 5s18 | |

Julian Day Number = 2071788.5, Delta T = 27m53s
Ecliptic obliquity = 23°34'29, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°14'59, Lahiri = 9°22'00 Julian Calendar 1 Apr. 960 == Greg. Calendar 6 Apr. 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## MAY 960 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 56 21 | 15♉21'23 | 11♊39 | 7♉30 | 27♊34 | 7♊12 | 20♌ 2 | 21°R11 | 12°R37 | 27°R50 | 3♌33 | 11°D50 | 13♊13 | 19♊21 | 2♋23 | T 1 |
| W 2 | 15 0 17 | 16°19'00 | 23°27 | 9°36 | 28°13 | 7°52 | 20° 6 | 21♏10 | 12♍36 | 27♍49 | 3°34 | 11♊50 | 13° 9 | 19°28 | 2°28 | W 2 |
| T 3 | 15 4 14 | 17°16'36 | 5♋14 | 11°44 | 28°51 | 8°32 | 20° 9 | 21°10 | 12°35 | 27°48 | 3°34 | 11°52 | 13° 6 | 19°35 | 2°33 | T 3 |
| F 4 | 15 8 10 | 18°14'11 | 17° 3 | 13°53 | 29°28 | 9°12 | 20°13 | 21° 9 | 12°35 | 27°47 | 3°35 | 11°53 | 13° 3 | 19°41 | 2°38 | F 4 |
| S 5 | 15 12 7 | 19°11'44 | 29° 0 | 16° 3 | 0♋ 4 | 9°51 | 20°18 | 21° 8 | 12°34 | 27°46 | 3°36 | 11°55 | 13° 0 | 19°48 | 2°43 | S 5 |
| S 6 | 15 16 3 | 20° 9'16 | 11♌ 8 | 18°14 | 0°38 | 10°31 | 20°22 | 21° 7 | 12°34 | 27°45 | 3°36 | 11°56 | 12°57 | 19°55 | 2°48 | S 6 |
| M 7 | 15 20 0 | 21° 6'46 | 23°32 | 20°25 | 1°11 | 11°11 | 20°27 | 21° 6 | 12°33 | 27°44 | 3°37 | 11°R56 | 12°53 | 20° 1 | 2°53 | M 7 |
| T 8 | 15 23 57 | 22° 4'15 | 6♍17 | 22°37 | 1°42 | 11°50 | 20°31 | 21° 5 | 12°33 | 27°43 | 3°38 | 11°56 | 12°50 | 20° 8 | 2°58 | T 8 |
| W 9 | 15 27 53 | 23° 1'42 | 19°26 | 24°49 | 2°12 | 12°30 | 20°36 | 21° 3 | 12°32 | 27°43 | 3°39 | 11°54 | 12°47 | 20°15 | 3° 4 | W 9 |
| T 10 | 15 31 50 | 23°59'08 | 3♎ 2 | 27° 1 | 2°41 | 13°10 | 20°41 | 21° 2 | 12°32 | 27°42 | 3°39 | 11°52 | 12°44 | 20°21 | 3° 9 | T 10 |
| F 11 | 15 35 46 | 24°56'33 | 17° 5 | 29°12 | 3° 8 | 13°49 | 20°46 | 21° 1 | 12°32 | 27°41 | 3°40 | 11°50 | 12°41 | 20°28 | 3°14 | F 11 |
| S 12 | 15 39 43 | 25°53'56 | 1♏32 | 1♊22 | 3°33 | 14°29 | 20°52 | 20°59 | 12°32 | 27°40 | 3°41 | 11°48 | 12°38 | 20°34 | 3°20 | S 12 |
| S 13 | 15 43 39 | 26°51'19 | 16°21 | 3°32 | 3°57 | 15° 8 | 20°57 | 20°58 | 12°32 | 27°40 | 3°42 | 11°46 | 12°34 | 20°41 | 3°25 | S 13 |
| M14 | 15 47 36 | 27°48'40 | 1♐22 | 5°40 | 4°19 | 15°48 | 21° 3 | 20°56 | 12°31 | 27°39 | 3°43 | 11°45 | 12°31 | 20°48 | 3°31 | M14 |
| T 15 | 15 51 32 | 28°46'01 | 16°28 | 7°46 | 4°39 | 16°27 | 21° 9 | 20°54 | 12°D31 | 27°39 | 3°44 | 11°D45 | 12°28 | 20°54 | 3°36 | T 15 |
| W16 | 15 55 29 | 29°43'21 | 1♑30 | 9°51 | 4°57 | 17° 6 | 21°14 | 20°52 | 12°31 | 27°38 | 3°45 | 11°46 | 12°25 | 21° 1 | 3°42 | W16 |
| T 17 | 15 59 26 | 0♊40'40 | 16°20 | 11°55 | 5°14 | 17°46 | 21°20 | 20°50 | 12°31 | 27°37 | 3°46 | 11°47 | 12°22 | 21° 8 | 3°47 | T 17 |
| F 18 | 16 3 22 | 1°37'59 | 0♒52 | 13°56 | 5°28 | 18°25 | 21°27 | 20°48 | 12°32 | 27°37 | 3°47 | 11°47 | 12°19 | 21°14 | 3°53 | F 18 |
| S 19 | 16 7 19 | 2°35'17 | 15° 2 | 15°55 | 5°40 | 19° 5 | 21°33 | 20°46 | 12°32 | 27°36 | 3°48 | 11°48 | 12°15 | 21°21 | 3°59 | S 19 |
| S 20 | 16 11 15 | 3°32'35 | 28°49 | 17°52 | 5°51 | 19°44 | 21°39 | 20°44 | 12°32 | 27°36 | 3°49 | 11°R48 | 12°12 | 21°28 | 4° 5 | S 20 |
| M21 | 16 15 12 | 4°29'52 | 12♓12 | 19°47 | 5°59 | 20°23 | 21°46 | 20°42 | 12°32 | 27°35 | 3°50 | 11°48 | 12° 9 | 21°34 | 4°10 | M21 |
| T 22 | 16 19 8 | 5°27'08 | 25°15 | 21°39 | 6° 5 | 21° 2 | 21°53 | 20°39 | 12°33 | 27°35 | 3°51 | 11°48 | 12° 6 | 21°41 | 4°16 | T 22 |
| W23 | 16 23 5 | 6°24'24 | 7♈59 | 23°29 | 6° 8 | 21°42 | 22° 0 | 20°37 | 12°33 | 27°35 | 3°52 | 11°48 | 12° 3 | 21°48 | 4°22 | W23 |
| T 24 | 16 27 1 | 7°21'40 | 20°27 | 25°17 | 6°R10 | 22°21 | 22° 7 | 20°34 | 12°33 | 27°34 | 3°53 | 11°47 | 11°59 | 21°54 | 4°28 | T 24 |
| F 25 | 16 30 58 | 8°18'56 | 2♉41 | 27° 2 | 6° 9 | 23° 0 | 22°14 | 20°31 | 12°34 | 27°34 | 3°54 | 11°46 | 11°56 | 22° 1 | 4°34 | F 25 |
| S 26 | 16 34 55 | 9°16'11 | 14°46 | 28°45 | 6° 6 | 23°39 | 22°21 | 20°29 | 12°34 | 27°34 | 3°55 | 11°46 | 11°53 | 22° 8 | 4°40 | S 26 |
| S 27 | 16 38 51 | 10°13'25 | 26°43 | 0♋26 | 6° 0 | 24°18 | 22°28 | 20°26 | 12°35 | 27°34 | 3°57 | 11°46 | 11°50 | 22°14 | 4°46 | S 27 |
| M28 | 16 42 48 | 11°10'39 | 8♊34 | 2° 4 | 5°52 | 24°58 | 22°36 | 20°23 | 12°36 | 27°33 | 3°58 | 11°D46 | 11°47 | 22°21 | 4°52 | M28 |
| T 29 | 16 46 44 | 12° 7'53 | 20°22 | 3°39 | 5°42 | 25°37 | 22°44 | 20°20 | 12°36 | 27°33 | 3°59 | 11°R46 | 11°44 | 22°27 | 4°58 | T 29 |
| W30 | 16 50 41 | 13° 5'06 | 2♋ 9 | 5°12 | 5°29 | 26°16 | 22°51 | 20°17 | 12°37 | 27°33 | 4° 0 | 11°46 | 11°40 | 22°34 | 5° 4 | W30 |
| T 31 | 16 54 37 | 14♊ 2'19 | 13♋57 | 6♋42 | 5♋14 | 26♊55 | 22♌59 | 20♏14 | 12♍38 | 27♍33 | 4♌ 2 | 11♊46 | 11♊37 | 22♊41 | 5♋10 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n32 | 22n18 | 0s 1 | 13n25 | 0s42 | 27n14 | 3n41 | 22n23 | 0n45 | 16n 3 | 1n14 | 21s57 | 0s 4 | 7n35 | 0n47 | 2n22 | 1n38 | 27n40 | 8n27 | 22n20 | 22n31 | 23n42 | 18n16 | 5s17 |
| W 2 | 16 49 | 24 28 | 1n 4 | 14 16 | 0 32 | 27 13 | 3 39 | 22 30 | 0 46 | 16 2 | 1 14 | 21 57 | 0 4 | 7 36 | 0 47 | 2 22 | 1 38 | 27 40 | 8 27 | 22 20 | 22 30 | 23 43 | 18 16 | 5 17 |
| T 3 | 17 5 | 25 34 | 2 5 | 15 6 | 0 22 | 27 11 | 3 37 | 22 37 | 0 46 | 16 0 | 1 14 | 21 58 | 0 4 | 7 36 | 0 47 | 2 23 | 1 38 | 27 39 | 8 26 | 22 20 | 22 30 | 23 45 | 18 16 | 5 17 |
| F 4 | 17 21 | 25 29 | 3 2 | 15 55 | 0 11 | 27 9 | 3 35 | 22 43 | 0 46 | 15 59 | 1 13 | 21 58 | 0 4 | 7 36 | 0 47 | 2 23 | 1 38 | 27 39 | 8 26 | 22 21 | 22 30 | 23 46 | 18 16 | 5 17 |
| S 5 | 17 37 | 24 15 | 3 52 | 16 44 | 0 0 | 27 6 | 3 32 | 22 50 | 0 47 | 15 58 | 1 13 | 21 58 | 0 4 | 7 36 | 0 47 | 2 23 | 1 38 | 27 39 | 8 26 | 22 21 | 22 29 | 23 47 | 18 17 | 5 16 |
| S 6 | 17 53 | 21 53 | 4 32 | 17 31 | 0n10 | 27 3 | 3 29 | 22 56 | 0 47 | 15 56 | 1 13 | 21 58 | 0 4 | 7 36 | 0 47 | 2 24 | 1 38 | 27 38 | 8 26 | 22 21 | 22 29 | 23 49 | 18 17 | 5 16 |
| M 7 | 18 8 | 18 28 | 5 0 | 18 17 | 0 21 | 27 0 | 3 26 | 23 2 | 0 48 | 15 54 | 1 13 | 21 59 | 0 4 | 7 36 | 0 47 | 2 24 | 1 38 | 27 38 | 8 26 | 22 21 | 22 28 | 23 50 | 18 17 | 5 16 |
| T 8 | 18 23 | 14 7 | 5 14 | 19 2 | 0 31 | 26 56 | 3 22 | 23 8 | 0 48 | 15 53 | 1 13 | 21 59 | 0 4 | 7 37 | 0 47 | 2 24 | 1 38 | 27 38 | 8 26 | 22 21 | 22 28 | 23 52 | 18 17 | 5 16 |
| W 9 | 18 38 | 9 0 | 5 13 | 19 45 | 0 41 | 26 52 | 3 18 | 23 13 | 0 48 | 15 51 | 1 13 | 21 59 | 0 4 | 7 37 | 0 47 | 2 25 | 1 38 | 27 37 | 8 25 | 22 21 | 22 28 | 23 53 | 18 17 | 5 15 |
| T 10 | 18 53 | 3 18 | 4 55 | 20 25 | 0 51 | 26 47 | 3 14 | 23 19 | 0 49 | 15 49 | 1 12 | 21 59 | 0 4 | 7 37 | 0 47 | 2 25 | 1 38 | 27 37 | 8 25 | 22 20 | 22 27 | 23 54 | 18 17 | 5 15 |
| F 11 | 19 7 | 2s46 | 4 18 | 21 4 | 1 0 | 26 42 | 3 10 | 23 24 | 0 49 | 15 47 | 1 12 | 22 0 | 0 4 | 7 37 | 0 47 | 2 25 | 1 38 | 27 37 | 8 25 | 22 20 | 22 27 | 23 56 | 18 17 | 5 15 |
| S 12 | 19 20 | 8 53 | 3 25 | 21 40 | 1 9 | 26 36 | 3 5 | 23 29 | 0 50 | 15 46 | 1 12 | 22 0 | 0 5 | 7 37 | 0 47 | 2 25 | 1 38 | 27 36 | 8 25 | 22 20 | 22 26 | 23 57 | 18 17 | 5 15 |
| S 13 | 19 34 | 14 39 | 2 16 | 22 14 | 1 17 | 26 30 | 3 0 | 23 34 | 0 50 | 15 44 | 1 12 | 22 0 | 0 5 | 7 37 | 0 47 | 2 26 | 1 38 | 27 36 | 8 25 | 22 20 | 22 26 | 23 58 | 18 17 | 5 15 |
| M14 | 19 47 | 19 37 | 0 57 | 22 46 | 1 25 | 26 24 | 2 54 | 23 39 | 0 50 | 15 42 | 1 12 | 22 1 | 0 5 | 7 37 | 0 47 | 2 26 | 1 38 | 27 36 | 8 25 | 22 19 | 22 26 | 24 0 | 18 17 | 5 14 |
| T 15 | 20 0 | 23 19 | 0s26 | 23 15 | 1 32 | 26 18 | 2 48 | 23 43 | 0 51 | 15 40 | 1 12 | 22 1 | 0 5 | 7 37 | 0 47 | 2 26 | 1 38 | 27 35 | 8 25 | 22 19 | 22 25 | 24 1 | 18 17 | 5 14 |
| W16 | 20 12 | 25 21 | 1 47 | 23 41 | 1 39 | 26 11 | 2 42 | 23 48 | 0 51 | 15 38 | 1 11 | 22 2 | 0 5 | 7 37 | 0 46 | 2 26 | 1 38 | 27 35 | 8 24 | 22 19 | 22 25 | 24 2 | 18 17 | 5 14 |
| T 17 | 20 24 | 25 33 | 3 0 | 24 4 | 1 44 | 26 3 | 2 35 | 23 52 | 0 51 | 15 36 | 1 11 | 22 2 | 0 5 | 7 37 | 0 46 | 2 26 | 1 37 | 27 34 | 8 24 | 22 20 | 22 24 | 24 4 | 18 17 | 5 14 |
| F 18 | 20 36 | 23 59 | 4 0 | 24 25 | 1 50 | 25 56 | 2 28 | 23 55 | 0 52 | 15 33 | 1 11 | 22 2 | 0 5 | 7 37 | 0 46 | 2 27 | 1 37 | 27 34 | 8 24 | 22 20 | 22 24 | 24 5 | 18 17 | 5 14 |
| S 19 | 20 48 | 20 56 | 4 44 | 24 43 | 1 54 | 25 48 | 2 21 | 23 59 | 0 52 | 15 31 | 1 11 | 22 3 | 0 5 | 7 37 | 0 46 | 2 27 | 1 37 | 27 34 | 8 24 | 22 20 | 22 23 | 24 6 | 18 17 | 5 14 |
| S 20 | 20 59 | 16 47 | 5 9 | 24 58 | 1 58 | 25 40 | 2 13 | 24 3 | 0 52 | 15 29 | 1 11 | 22 3 | 0 5 | 7 36 | 0 46 | 2 27 | 1 37 | 27 33 | 8 24 | 22 20 | 22 23 | 24 8 | 18 17 | 5 13 |
| M21 | 21 10 | 11 54 | 5 17 | 25 11 | 2 1 | 25 31 | 2 5 | 24 6 | 0 53 | 15 27 | 1 11 | 22 4 | 0 5 | 7 36 | 0 46 | 2 27 | 1 37 | 27 33 | 8 24 | 22 20 | 22 23 | 24 9 | 18 17 | 5 13 |
| T 22 | 21 20 | 6 37 | 5 9 | 25 21 | 2 3 | 25 22 | 1 56 | 24 9 | 0 53 | 15 24 | 1 11 | 22 4 | 0 6 | 7 36 | 0 46 | 2 27 | 1 37 | 27 33 | 8 24 | 22 20 | 22 22 | 24 10 | 18 17 | 5 13 |
| W23 | 21 30 | 1 11 | 4 45 | 25 29 | 2 4 | 25 13 | 1 47 | 24 12 | 0 53 | 15 22 | 1 10 | 22 5 | 0 6 | 7 36 | 0 46 | 2 27 | 1 37 | 27 32 | 8 24 | 22 20 | 22 22 | 24 11 | 18 17 | 5 13 |
| T 24 | 21 40 | 4n12 | 4 8 | 25 34 | 2 5 | 25 4 | 1 38 | 24 15 | 0 54 | 15 20 | 1 10 | 22 5 | 0 6 | 7 36 | 0 46 | 2 27 | 1 37 | 27 32 | 8 23 | 22 20 | 22 21 | 24 13 | 18 17 | 5 13 |
| F 25 | 21 49 | 9 20 | 3 21 | 25 37 | 2 5 | 24 54 | 1 28 | 24 17 | 0 54 | 15 17 | 1 10 | 22 6 | 0 6 | 7 35 | 0 46 | 2 27 | 1 37 | 27 31 | 8 23 | 22 20 | 22 21 | 24 14 | 18 17 | 5 13 |
| S 26 | 21 58 | 14 3 | 2 25 | 25 38 | 2 4 | 24 44 | 1 18 | 24 20 | 0 54 | 15 15 | 1 10 | 22 6 | 0 6 | 7 35 | 0 46 | 2 27 | 1 37 | 27 31 | 8 23 | 22 20 | 22 20 | 24 15 | 18 17 | 5 13 |
| S 27 | 22 6 | 18 11 | 1 23 | 25 37 | 2 3 | 24 33 | 1 7 | 24 22 | 0 55 | 15 12 | 1 10 | 22 7 | 0 6 | 7 35 | 0 46 | 2 27 | 1 37 | 27 31 | 8 23 | 22 19 | 22 20 | 24 17 | 18 17 | 5 12 |
| M28 | 22 15 | 21 34 | 0 18 | 25 34 | 2 0 | 24 22 | 0 56 | 24 24 | 0 55 | 15 9 | 1 10 | 22 7 | 0 6 | 7 35 | 0 46 | 2 28 | 1 37 | 27 30 | 8 23 | 22 19 | 22 20 | 24 18 | 18 17 | 5 12 |
| T 29 | 22 22 | 24 1 | 0n48 | 25 29 | 1 58 | 24 11 | 0 44 | 24 25 | 0 55 | 15 7 | 1 10 | 22 8 | 0 6 | 7 34 | 0 46 | 2 28 | 1 37 | 27 30 | 8 23 | 22 19 | 22 19 | 24 19 | 18 17 | 5 12 |
| W30 | 22 30 | 25 24 | 1 51 | 25 22 | 1 54 | 24 0 | 0 32 | 24 27 | 0 56 | 15 4 | 1 9 | 22 8 | 0 6 | 7 34 | 0 46 | 2 28 | 1 37 | 27 29 | 8 23 | 22 19 | 22 19 | 24 20 | 18 17 | 5 12 |
| T 31 | 22n37 | 25n39 | 2n50 | 25n14 | 1n50 | 23n48 | 0n20 | 24n28 | 0n56 | 15n 1 | 1n 9 | 22s 9 | 0s 6 | 7n34 | 0n46 | 2n28 | 1n37 | 27n29 | 8n23 | 22n19 | 22n18 | 24n22 | 18n17 | 5s12 |

Julian Day Number = 2071818.5, Delta T = 27m52s
Ecliptic obliquity = 23°34'29, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'03, Lahiri = 9°22'04 Julian Calendar 1 May 960 == Greg. Calendar 6 May 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## JUNE 960 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 58 34 | 14♊59'32 | 25♋50 | 8♋10 | 4°R57 | 27♊34 | 23♌ 7 | 20°R11 | 12♍39 | 27°R33 | 4♌ 3 | 11°R45 | 11♊34 | 22♊47 | 5♋16 | F 1 |
| S 2 | 17 2 30 | 15°56'43 | 7♌50 | 9°36 | 4♋37 | 28°13 | 23°15 | 20♏ 8 | 12°40 | 27♍33 | 4° 4 | 11♊45 | 11°31 | 22°54 | 5°22 | S 2 |
| S 3 | 17 6 27 | 16°53'54 | 20° 1 | 10°58 | 4°15 | 28°52 | 23°24 | 20° 4 | 12°41 | 27°D33 | 4° 6 | 11°44 | 11°28 | 23° 1 | 5°29 | S 3 |
| M 4 | 17 10 24 | 17°51'05 | 2♍26 | 12°19 | 3°51 | 29°31 | 23°32 | 20° 1 | 12°42 | 27°33 | 4° 7 | 11°44 | 11°25 | 23° 7 | 5°35 | M 4 |
| T 5 | 17 14 20 | 18°48'15 | 15° 9 | 13°36 | 3°25 | 0♋10 | 23°40 | 19°58 | 12°43 | 27°33 | 4° 8 | 11°D44 | 11°21 | 23°14 | 5°41 | T 5 |
| W 6 | 17 18 17 | 19°45'25 | 28°13 | 14°51 | 2°57 | 0°49 | 23°49 | 19°54 | 12°44 | 27°33 | 4°10 | 11°44 | 11°18 | 23°21 | 5°47 | W 6 |
| T 7 | 17 22 13 | 20°42'34 | 11♎41 | 16° 3 | 2°27 | 1°28 | 23°58 | 19°51 | 12°45 | 27°33 | 4°11 | 11°44 | 11°15 | 23°27 | 5°53 | T 7 |
| F 8 | 17 26 10 | 21°39'42 | 25°36 | 17°12 | 1°55 | 2° 7 | 24° 6 | 19°47 | 12°46 | 27°33 | 4°13 | 11°45 | 11°12 | 23°34 | 6° 0 | F 8 |
| S 9 | 17 30 6 | 22°36'51 | 9♏56 | 18°18 | 1°22 | 2°45 | 24°15 | 19°43 | 12°48 | 27°33 | 4°14 | 11°46 | 11° 9 | 23°41 | 6° 6 | S 9 |
| S 10 | 17 34 3 | 23°33'59 | 24°39 | 19°21 | 0°48 | 3°24 | 24°24 | 19°40 | 12°49 | 27°33 | 4°16 | 11°46 | 11° 5 | 23°47 | 6°12 | S 10 |
| M11 | 17 37 59 | 24°31'07 | 9♐40 | 20°21 | 0°12 | 4° 3 | 24°33 | 19°36 | 12°50 | 27°34 | 4°17 | 11°R47 | 11° 2 | 23°54 | 6°19 | M11 |
| T 12 | 17 41 56 | 25°28'15 | 24°51 | 21°18 | 29♊36 | 4°42 | 24°43 | 19°32 | 12°52 | 27°34 | 4°19 | 11°47 | 10°59 | 24° 1 | 6°25 | T 12 |
| W13 | 17 45 53 | 26°25'23 | 10♑ 3 | 22°12 | 28°59 | 5°21 | 24°52 | 19°28 | 12°53 | 27°34 | 4°20 | 11°46 | 10°56 | 24° 7 | 6°31 | W13 |
| T 14 | 17 49 49 | 27°22'31 | 25° 6 | 23° 2 | 28°21 | 5°59 | 25° 1 | 19°24 | 12°55 | 27°35 | 4°22 | 11°44 | 10°53 | 24°14 | 6°38 | T 14 |
| F 15 | 17 53 46 | 28°19'39 | 9♒53 | 23°49 | 27°44 | 6°38 | 25°11 | 19°20 | 12°56 | 27°35 | 4°23 | 11°42 | 10°50 | 24°21 | 6°44 | F 15 |
| S 16 | 17 57 42 | 29°16'47 | 24°15 | 24°32 | 27° 6 | 7°17 | 25°20 | 19°16 | 12°58 | 27°35 | 4°25 | 11°40 | 10°46 | 24°27 | 6°50 | S 16 |
| S 17 | 18 1 39 | 0♋13'56 | 8♓11 | 25°11 | 26°29 | 7°56 | 25°30 | 19°12 | 13° 0 | 27°36 | 4°26 | 11°38 | 10°43 | 24°34 | 6°57 | S 17 |
| M18 | 18 5 35 | 1°11'05 | 21°40 | 25°46 | 25°53 | 8°34 | 25°40 | 19° 8 | 13° 1 | 27°36 | 4°28 | 11°37 | 10°40 | 24°40 | 7° 3 | M18 |
| T 19 | 18 9 32 | 2° 8'15 | 4♈43 | 26°18 | 25°17 | 9°13 | 25°50 | 19° 4 | 13° 3 | 27°37 | 4°29 | 11°D37 | 10°37 | 24°47 | 7°10 | T 19 |
| W20 | 18 13 29 | 3° 5'25 | 17°23 | 26°45 | 24°42 | 9°52 | 26° 0 | 19° 0 | 13° 5 | 27°37 | 4°31 | 11°38 | 10°34 | 24°54 | 7°16 | W20 |
| T 21 | 18 17 25 | 4° 2'36 | 29°44 | 27° 8 | 24° 9 | 10°30 | 26°10 | 18°56 | 13° 7 | 27°38 | 4°33 | 11°39 | 10°30 | 25° 0 | 7°23 | T 21 |
| F 22 | 18 21 22 | 4°59'47 | 11♉51 | 27°26 | 23°36 | 11° 9 | 26°20 | 18°51 | 13° 9 | 27°38 | 4°34 | 11°40 | 10°27 | 25° 7 | 7°29 | F 22 |
| S 23 | 18 25 18 | 5°56'59 | 23°48 | 27°40 | 23° 6 | 11°48 | 26°30 | 18°47 | 13°10 | 27°39 | 4°36 | 11°42 | 10°24 | 25°14 | 7°35 | S 23 |
| S 24 | 18 29 15 | 6°54'12 | 5♊38 | 27°50 | 22°37 | 12°26 | 26°40 | 18°43 | 13°12 | 27°40 | 4°38 | 11°43 | 10°21 | 25°20 | 7°42 | S 24 |
| M25 | 18 33 11 | 7°51'25 | 17°25 | 27°R54 | 22°10 | 13° 5 | 26°51 | 18°39 | 13°14 | 27°40 | 4°39 | 11°R43 | 10°18 | 25°27 | 7°48 | M25 |
| T 26 | 18 37 8 | 8°48'39 | 29°12 | 27°54 | 21°45 | 13°43 | 27° 1 | 18°34 | 13°17 | 27°41 | 4°41 | 11°42 | 10°15 | 25°34 | 7°55 | T 26 |
| W27 | 18 41 4 | 9°45'53 | 11♋ 2 | 27°49 | 21°22 | 14°22 | 27°12 | 18°30 | 13°19 | 27°42 | 4°43 | 11°39 | 10°11 | 25°40 | 8° 1 | W27 |
| T 28 | 18 45 1 | 10°43'08 | 22°55 | 27°38 | 21° 2 | 15° 1 | 27°23 | 18°25 | 13°21 | 27°43 | 4°45 | 11°35 | 10° 8 | 25°47 | 8° 8 | T 28 |
| F 29 | 18 48 58 | 11°40'23 | 4♌56 | 27°24 | 20°43 | 15°39 | 27°33 | 18°21 | 13°23 | 27°43 | 4°46 | 11°30 | 10° 5 | 25°54 | 8°14 | F 29 |
| S 30 | 18 52 54 | 12♋37'39 | 17♌ 5 | 27♋ 4 | 20♊27 | 16♋18 | 27♌44 | 18♏17 | 13♍25 | 27♍44 | 4♌48 | 11♊25 | 10♊ 2 | 26♊ 0 | 8♋21 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n43 | 24n43 | 3n41 | 25n 4 | 1n45 | 23n36 | 0n 8 | 24n29 | 0n56 | 14n59 | 1n 9 | 22s 9 | 0s 6 | 7n33 | 0n46 | 2n28 | 1n37 | 27n28 | 8n23 | 22n19 | 22n18 | 24n23 | 18n16 | 5s12 |
| S 2 | 22 50 | 22 39 | 4 24 | 24 53 | 1 39 | 23 24 | 0s 5 | 24 30 | 0 57 | 14 56 | 1 9 | 22 10 | 0 7 | 7 33 | 0 46 | 2 28 | 1 37 | 27 28 | 8 22 | 22 19 | 22 17 | 24 24 | 18 16 | 5 12 |
| S 3 | 22 56 | 19 33 | 4 55 | 24 40 | 1 33 | 23 12 | 0 19 | 24 31 | 0 57 | 14 53 | 1 9 | 22 10 | 0 7 | 7 33 | 0 46 | 2 28 | 1 37 | 27 28 | 8 22 | 22 19 | 22 17 | 24 25 | 18 16 | 5 12 |
| M 4 | 23 1 | 15 32 | 5 13 | 24 26 | 1 27 | 22 59 | 0 32 | 24 32 | 0 57 | 14 50 | 1 9 | 22 11 | 0 7 | 7 32 | 0 46 | 2 27 | 1 37 | 27 27 | 8 22 | 22 19 | 22 17 | 24 26 | 18 16 | 5 12 |
| T 5 | 23 6 | 10 45 | 5 17 | 24 11 | 1 19 | 22 46 | 0 46 | 24 32 | 0 57 | 14 47 | 1 9 | 22 12 | 0 7 | 7 32 | 0 46 | 2 27 | 1 37 | 27 27 | 8 22 | 22 19 | 22 16 | 24 28 | 18 16 | 5 12 |
| W 6 | 23 11 | 5 22 | 5 4 | 23 55 | 1 11 | 22 33 | 1 0 | 24 32 | 0 58 | 14 44 | 1 9 | 22 12 | 0 7 | 7 31 | 0 46 | 2 27 | 1 37 | 27 26 | 8 22 | 22 19 | 22 16 | 24 29 | 18 15 | 5 12 |
| T 7 | 23 15 | 0s26 | 4 35 | 23 39 | 1 3 | 22 19 | 1 14 | 24 32 | 0 58 | 14 41 | 1 8 | 22 13 | 0 7 | 7 31 | 0 46 | 2 27 | 1 37 | 27 26 | 8 22 | 22 19 | 22 15 | 24 30 | 18 15 | 5 12 |
| F 8 | 23 19 | 6 24 | 3 49 | 23 21 | 0 54 | 22 6 | 1 28 | 24 32 | 0 58 | 14 38 | 1 8 | 22 13 | 0 7 | 7 30 | 0 45 | 2 27 | 1 36 | 27 25 | 8 22 | 22 19 | 22 15 | 24 31 | 18 15 | 5 12 |
| S 9 | 23 22 | 12 13 | 2 48 | 23 3 | 0 44 | 21 52 | 1 42 | 24 31 | 0 58 | 14 35 | 1 8 | 22 14 | 0 7 | 7 30 | 0 45 | 2 27 | 1 36 | 27 25 | 8 22 | 22 19 | 22 14 | 24 32 | 18 15 | 5 12 |
| S 10 | 23 25 | 17 32 | 1 34 | 22 44 | 0 34 | 21 38 | 1 56 | 24 31 | 0 59 | 14 32 | 1 8 | 22 15 | 0 7 | 7 29 | 0 45 | 2 27 | 1 36 | 27 24 | 8 22 | 22 20 | 22 14 | 24 34 | 18 15 | 5 11 |
| M11 | 23 28 | 21 50 | 0 12 | 22 24 | 0 23 | 21 24 | 2 10 | 24 30 | 0 59 | 14 29 | 1 8 | 22 15 | 0 7 | 7 29 | 0 45 | 2 27 | 1 36 | 27 24 | 8 22 | 22 20 | 22 13 | 24 35 | 18 14 | 5 11 |
| T 12 | 23 30 | 24 40 | 1s12 | 22 4 | 0 12 | 21 10 | 2 24 | 24 29 | 0 59 | 14 25 | 1 8 | 22 16 | 0 7 | 7 28 | 0 45 | 2 27 | 1 36 | 27 24 | 8 22 | 22 20 | 22 13 | 24 36 | 18 14 | 5 11 |
| W13 | 23 32 | 25 41 | 2 30 | 21 44 | 0 0 | 20 56 | 2 38 | 24 27 | 1 0 | 14 22 | 1 8 | 22 17 | 0 8 | 7 27 | 0 45 | 2 26 | 1 36 | 27 23 | 8 21 | 22 19 | 22 13 | 24 37 | 18 14 | 5 11 |
| T 14 | 23 33 | 24 48 | 3 38 | 21 24 | 0s12 | 20 42 | 2 52 | 24 26 | 1 0 | 14 19 | 1 8 | 22 17 | 0 8 | 7 27 | 0 45 | 2 26 | 1 36 | 27 23 | 8 21 | 22 19 | 22 12 | 24 38 | 18 13 | 5 11 |
| F 15 | 23 34 | 22 11 | 4 29 | 21 4 | 0 24 | 20 28 | 3 5 | 24 24 | 1 0 | 14 16 | 1 8 | 22 18 | 0 8 | 7 26 | 0 45 | 2 26 | 1 36 | 27 22 | 8 21 | 22 19 | 22 12 | 24 39 | 18 13 | 5 11 |
| S 16 | 23 34 | 18 15 | 5 2 | 20 43 | 0 37 | 20 15 | 3 18 | 24 23 | 1 0 | 14 12 | 1 7 | 22 19 | 0 8 | 7 25 | 0 45 | 2 26 | 1 36 | 27 22 | 8 21 | 22 19 | 22 11 | 24 41 | 18 13 | 5 11 |
| S 17 | 23 34 | 13 25 | 5 15 | 20 23 | 0 51 | 20 1 | 3 30 | 24 21 | 1 1 | 14 9 | 1 7 | 22 19 | 0 8 | 7 25 | 0 45 | 2 26 | 1 36 | 27 21 | 8 21 | 22 18 | 22 11 | 24 42 | 18 12 | 5 11 |
| M18 | 23 34 | 8 5 | 5 11 | 20 3 | 1 4 | 19 48 | 3 42 | 24 18 | 1 1 | 14 5 | 1 7 | 22 20 | 0 8 | 7 24 | 0 45 | 2 25 | 1 36 | 27 21 | 8 21 | 22 18 | 22 10 | 24 43 | 18 12 | 5 11 |
| T 19 | 23 33 | 2 34 | 4 51 | 19 44 | 1 18 | 19 36 | 3 54 | 24 16 | 1 1 | 14 2 | 1 7 | 22 21 | 0 8 | 7 23 | 0 45 | 2 25 | 1 36 | 27 20 | 8 21 | 22 18 | 22 10 | 24 44 | 18 12 | 5 12 |
| W20 | 23 32 | 2n55 | 4 17 | 19 25 | 1 33 | 19 23 | 4 5 | 24 13 | 1 1 | 13 59 | 1 7 | 22 21 | 0 8 | 7 23 | 0 45 | 2 25 | 1 36 | 27 20 | 8 21 | 22 18 | 22 9 | 24 45 | 18 11 | 5 12 |
| T 21 | 23 31 | 8 9 | 3 31 | 19 6 | 1 47 | 19 11 | 4 15 | 24 11 | 1 2 | 13 55 | 1 7 | 22 22 | 0 8 | 7 22 | 0 45 | 2 25 | 1 36 | 27 19 | 8 21 | 22 19 | 22 9 | 24 46 | 18 11 | 5 12 |
| F 22 | 23 29 | 12 59 | 2 37 | 18 48 | 2 2 | 19 0 | 4 25 | 24 8 | 1 2 | 13 51 | 1 7 | 22 23 | 0 8 | 7 21 | 0 45 | 2 24 | 1 36 | 27 19 | 8 21 | 22 19 | 22 9 | 24 47 | 18 11 | 5 12 |
| S 23 | 23 26 | 17 16 | 1 37 | 18 31 | 2 16 | 18 49 | 4 35 | 24 5 | 1 2 | 13 48 | 1 7 | 22 23 | 0 9 | 7 20 | 0 45 | 2 24 | 1 36 | 27 19 | 8 21 | 22 19 | 22 8 | 24 48 | 18 10 | 5 12 |
| S 24 | 23 24 | 20 49 | 0 33 | 18 15 | 2 31 | 18 39 | 4 43 | 24 1 | 1 2 | 13 44 | 1 7 | 22 24 | 0 9 | 7 19 | 0 45 | 2 24 | 1 36 | 27 18 | 8 21 | 22 19 | 22 8 | 24 50 | 18 10 | 5 12 |
| M25 | 23 20 | 23 30 | 0n31 | 18 0 | 2 45 | 18 29 | 4 52 | 23 58 | 1 2 | 13 41 | 1 7 | 22 25 | 0 9 | 7 19 | 0 45 | 2 24 | 1 36 | 27 18 | 8 21 | 22 19 | 22 7 | 24 51 | 18 9 | 5 12 |
| T 26 | 23 17 | 25 9 | 1 35 | 17 46 | 3 0 | 18 20 | 4 59 | 23 54 | 1 3 | 13 37 | 1 7 | 22 25 | 0 9 | 7 18 | 0 45 | 2 23 | 1 36 | 27 17 | 8 21 | 22 19 | 22 7 | 24 52 | 18 9 | 5 12 |
| W27 | 23 13 | 25 40 | 2 34 | 17 33 | 3 14 | 18 12 | 5 6 | 23 50 | 1 3 | 13 33 | 1 6 | 22 26 | 0 9 | 7 17 | 0 45 | 2 23 | 1 36 | 27 17 | 8 21 | 22 19 | 22 6 | 24 53 | 18 8 | 5 12 |
| T 28 | 23 8 | 25 1 | 3 27 | 17 22 | 3 27 | 18 5 | 5 12 | 23 46 | 1 3 | 13 29 | 1 6 | 22 27 | 0 9 | 7 16 | 0 45 | 2 23 | 1 36 | 27 16 | 8 21 | 22 18 | 22 6 | 24 54 | 18 8 | 5 12 |
| F 29 | 23 4 | 23 12 | 4 11 | 17 12 | 3 40 | 17 58 | 5 18 | 23 42 | 1 3 | 13 26 | 1 6 | 22 28 | 0 9 | 7 15 | 0 45 | 2 22 | 1 35 | 27 16 | 8 21 | 22 17 | 22 5 | 24 55 | 18 7 | 5 12 |
| S 30 | 22n58 | 20n19 | 4n45 | 17n 3 | 3s53 | 17n52 | 5s23 | 23n37 | 1n 4 | 13n22 | 1n 6 | 22s28 | 0s 9 | 7n14 | 0n45 | 2n22 | 1n35 | 27n15 | 8n21 | 22n17 | 22n 5 | 24n56 | 18n 7 | 5s12 |

Julian Day Number = 2071849.5, Delta T = 27m52s
Ecliptic obliquity = 23°34'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'07, Lahiri = 9°22'08 Julian Calendar 1 June 960 == Greg. Calendar 6 June 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## JULY 960 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 56 51 | 13♋34'55 | 29♌24 | 26°R40 | 20°R14 | 16♋56 | 27♌55 | 18°R12 | 13♍28 | 27♍45 | 4♌50 | 11°R20 | 9♊59 | 26♊ 7 | 8♋27 | S 1 |
| M 2 | 19 0 47 | 14°32'11 | 11♍55 | 26♋12 | 20♊ 2 | 17°35 | 28° 6 | 18♉ 8 | 13°30 | 27°46 | 4°52 | 11♊16 | 9°56 | 26°14 | 8°34 | M 2 |
| T 3 | 19 4 44 | 15°29'28 | 24°41 | 25°39 | 19°53 | 18°13 | 28°17 | 18° 3 | 13°32 | 27°47 | 4°53 | 11°12 | 9°52 | 26°20 | 8°40 | T 3 |
| W 4 | 19 8 40 | 16°26'45 | 7♎44 | 25° 4 | 19°47 | 18°52 | 28°28 | 17°59 | 13°35 | 27°48 | 4°55 | 11°11 | 9°49 | 26°27 | 8°46 | W 4 |
| T 5 | 19 12 37 | 17°24'03 | 21° 7 | 24°25 | 19°43 | 19°30 | 28°39 | 17°54 | 13°37 | 27°49 | 4°57 | 11°D10 | 9°46 | 26°34 | 8°53 | T 5 |
| F 6 | 19 16 33 | 18°21'21 | 4♏52 | 23°44 | 19°D41 | 20° 8 | 28°50 | 17°50 | 13°40 | 27°50 | 4°59 | 11°11 | 9°43 | 26°40 | 8°59 | F 6 |
| S 7 | 19 20 30 | 19°18'40 | 18°59 | 23° 1 | 19°41 | 20°47 | 29° 2 | 17°45 | 13°42 | 27°51 | 5° 0 | 11°13 | 9°40 | 26°47 | 9° 6 | S 7 |
| S 8 | 19 24 27 | 20°15'59 | 3♐28 | 22°17 | 19°44 | 21°25 | 29°13 | 17°41 | 13°45 | 27°52 | 5° 2 | 11°14 | 9°36 | 26°53 | 9°12 | S 8 |
| M 9 | 19 28 23 | 21°13'19 | 18°16 | 21°32 | 19°49 | 22° 4 | 29°24 | 17°37 | 13°47 | 27°53 | 5° 4 | 11°R14 | 9°33 | 27° 0 | 9°19 | M 9 |
| T 10 | 19 32 20 | 22°10'40 | 3♑17 | 20°48 | 19°56 | 22°42 | 29°36 | 17°32 | 13°50 | 27°54 | 5° 6 | 11°12 | 9°30 | 27° 7 | 9°25 | T 10 |
| W11 | 19 36 16 | 23° 8'02 | 18°23 | 20° 6 | 20° 5 | 23°21 | 29°47 | 17°28 | 13°53 | 27°55 | 5° 8 | 11° 8 | 9°27 | 27°13 | 9°31 | W11 |
| T 12 | 19 40 13 | 24° 5'24 | 3♒26 | 19°26 | 20°17 | 23°59 | 29°59 | 17°23 | 13°55 | 27°57 | 5°10 | 11° 3 | 9°24 | 27°20 | 9°38 | T 12 |
| F 13 | 19 44 9 | 25° 2'48 | 18°16 | 18°48 | 20°30 | 24°37 | 0♍11 | 17°19 | 13°58 | 27°58 | 5°11 | 10°57 | 9°21 | 27°27 | 9°44 | F 13 |
| S 14 | 19 48 6 | 26° 0'12 | 2♓46 | 18°14 | 20°45 | 25°16 | 0°22 | 17°15 | 14° 1 | 27°59 | 5°13 | 10°50 | 9°17 | 27°33 | 9°50 | S 14 |
| S 15 | 19 52 2 | 26°57'38 | 16°49 | 17°45 | 21° 3 | 25°54 | 0°34 | 17°10 | 14° 4 | 28° 0 | 5°15 | 10°44 | 9°14 | 27°40 | 9°57 | S 15 |
| M16 | 19 55 59 | 27°55'05 | 0♈23 | 17°20 | 21°22 | 26°32 | 0°46 | 17° 6 | 14° 7 | 28° 2 | 5°17 | 10°39 | 9°11 | 27°47 | 10° 3 | M16 |
| T 17 | 19 59 56 | 28°52'33 | 13°30 | 17° 1 | 21°43 | 27°11 | 0°58 | 17° 2 | 14°10 | 28° 3 | 5°19 | 10°36 | 9° 8 | 27°53 | 10° 9 | T 17 |
| W18 | 20 3 52 | 29°50'03 | 26°12 | 16°48 | 22° 6 | 27°49 | 1°10 | 16°57 | 14°13 | 28° 4 | 5°21 | 10°D35 | 9° 5 | 28° 0 | 10°16 | W18 |
| T 19 | 20 7 49 | 0♌47'34 | 8♉32 | 16°41 | 22°31 | 28°27 | 1°22 | 16°53 | 14°15 | 28° 6 | 5°22 | 10°35 | 9° 2 | 28° 7 | 10°22 | T 19 |
| F 20 | 20 11 45 | 1°45'06 | 20°37 | 16°D41 | 22°57 | 29° 5 | 1°34 | 16°49 | 14°18 | 28° 7 | 5°24 | 10°36 | 8°58 | 28°13 | 10°28 | F 20 |
| S 21 | 20 15 42 | 2°42'40 | 2♊31 | 16°47 | 23°25 | 29°44 | 1°46 | 16°44 | 14°22 | 28° 8 | 5°26 | 10°37 | 8°55 | 28°20 | 10°34 | S 21 |
| S 22 | 20 19 38 | 3°40'16 | 14°19 | 17° 1 | 23°54 | 0♌22 | 1°58 | 16°40 | 14°25 | 28°10 | 5°28 | 10°R37 | 8°52 | 28°27 | 10°40 | S 22 |
| M23 | 20 23 35 | 4°37'53 | 26° 5 | 17°21 | 24°25 | 1° 0 | 2°10 | 16°36 | 14°28 | 28°11 | 5°30 | 10°36 | 8°49 | 28°33 | 10°47 | M23 |
| T 24 | 20 27 31 | 5°35'32 | 7♋54 | 17°49 | 24°57 | 1°39 | 2°22 | 16°32 | 14°31 | 28°13 | 5°32 | 10°32 | 8°46 | 28°40 | 10°53 | T 24 |
| W25 | 20 31 28 | 6°33'12 | 19°49 | 18°24 | 25°30 | 2°17 | 2°34 | 16°28 | 14°34 | 28°14 | 5°34 | 10°26 | 8°42 | 28°47 | 10°59 | W25 |
| T 26 | 20 35 25 | 7°30'53 | 1♌52 | 19° 6 | 26° 5 | 2°55 | 2°47 | 16°24 | 14°37 | 28°16 | 5°36 | 10°18 | 8°39 | 28°53 | 11° 5 | T 26 |
| F 27 | 20 39 21 | 8°28'36 | 14° 4 | 19°55 | 26°41 | 3°33 | 2°59 | 16°20 | 14°40 | 28°17 | 5°37 | 10° 8 | 8°36 | 29° 0 | 11°11 | F 27 |
| S 28 | 20 43 18 | 9°26'20 | 26°26 | 20°50 | 27°18 | 4°12 | 3°11 | 16°16 | 14°44 | 28°19 | 5°39 | 9°58 | 8°33 | 29° 7 | 11°17 | S 28 |
| S 29 | 20 47 14 | 10°24'05 | 9♍ 0 | 21°52 | 27°57 | 4°50 | 3°24 | 16°12 | 14°47 | 28°21 | 5°41 | 9°47 | 8°30 | 29°13 | 11°23 | S 29 |
| M30 | 20 51 11 | 11°21'52 | 21°45 | 23° 1 | 28°36 | 5°28 | 3°36 | 16° 8 | 14°50 | 28°22 | 5°43 | 9°37 | 8°27 | 29°20 | 11°29 | M30 |
| T 31 | 20 55 7 | 12♌19'39 | 4♎43 | 24♋15 | 29♊17 | 6♌ 6 | 3♍49 | 16♉ 5 | 14♍53 | 28♍24 | 5♌45 | 9♊30 | 8♊23 | 29♊27 | 11♋35 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n53 | 16n30 | 5n 5 | 16n56 | 4s 4 | 17n46 | 5s27 | 23n33 | 1n 4 | 13n18 | 1n 6 | 22s29 | 0s 9 | 7n13 | 0n45 | 2n21 | 1n35 | 27n15 | 8n21 | 22n16 | 22n 4 | 24n57 | 18n 6 | 5s12 |
| M 2 | 22 47 | 11 56 | 5 12 | 16 51 | 4 15 | 17 42 | 5 31 | 23 28 | 1 4 | 13 14 | 1 6 | 22 30 | 0 9 | 7 12 | 0 45 | 2 21 | 1 35 | 27 14 | 8 21 | 22 15 | 22 4 | 24 58 | 18 6 | 5 12 |
| T 3 | 22 40 | 6 46 | 5 3 | 16 48 | 4 25 | 17 37 | 5 35 | 23 23 | 1 4 | 13 10 | 1 6 | 22 30 | 0 9 | 7 12 | 0 45 | 2 21 | 1 35 | 27 14 | 8 21 | 22 15 | 22 3 | 24 59 | 18 5 | 5 13 |
| W 4 | 22 33 | 1 11 | 4 39 | 16 46 | 4 33 | 17 34 | 5 38 | 23 18 | 1 4 | 13 6 | 1 6 | 22 31 | 0 10 | 7 11 | 0 44 | 2 20 | 1 35 | 27 13 | 8 21 | 22 15 | 22 3 | 25 0 | 18 5 | 5 13 |
| T 5 | 22 26 | 4s35 | 4 0 | 16 46 | 4 40 | 17 32 | 5 40 | 23 13 | 1 5 | 13 2 | 1 6 | 22 32 | 0 10 | 7 10 | 0 44 | 2 20 | 1 35 | 27 13 | 8 21 | 22 15 | 22 2 | 25 1 | 18 4 | 5 13 |
| F 6 | 22 19 | 10 19 | 3 5 | 16 48 | 4 45 | 17 30 | 5 42 | 23 7 | 1 5 | 12 58 | 1 6 | 22 32 | 0 10 | 7 9 | 0 44 | 2 19 | 1 35 | 27 13 | 8 21 | 22 15 | 22 2 | 25 2 | 18 4 | 5 13 |
| S 7 | 22 11 | 15 40 | 1 58 | 16 51 | 4 49 | 17 28 | 5 43 | 23 2 | 1 5 | 12 54 | 1 6 | 22 33 | 0 10 | 7 8 | 0 44 | 2 19 | 1 35 | 27 12 | 8 21 | 22 15 | 22 1 | 25 3 | 18 3 | 5 13 |
| S 8 | 22 2 | 20 17 | 0 42 | 16 56 | 4 51 | 17 27 | 5 44 | 22 56 | 1 5 | 12 50 | 1 6 | 22 34 | 0 10 | 7 7 | 0 44 | 2 18 | 1 35 | 27 12 | 8 21 | 22 15 | 22 1 | 25 4 | 18 3 | 5 13 |
| M 9 | 21 53 | 23 41 | 0s38 | 17 2 | 4 52 | 17 27 | 5 45 | 22 50 | 1 5 | 12 46 | 1 6 | 22 34 | 0 10 | 7 5 | 0 44 | 2 18 | 1 35 | 27 11 | 8 21 | 22 15 | 22 1 | 25 5 | 18 2 | 5 13 |
| T 10 | 21 44 | 25 29 | 1 57 | 17 10 | 4 50 | 17 28 | 5 45 | 22 44 | 1 5 | 12 42 | 1 5 | 22 35 | 0 10 | 7 4 | 0 44 | 2 17 | 1 35 | 27 11 | 8 21 | 22 15 | 22 0 | 25 6 | 18 1 | 5 14 |
| W11 | 21 35 | 25 24 | 3 8 | 17 20 | 4 47 | 17 29 | 5 44 | 22 37 | 1 6 | 12 38 | 1 5 | 22 36 | 0 10 | 7 3 | 0 44 | 2 17 | 1 35 | 27 10 | 8 21 | 22 14 | 22 0 | 25 7 | 18 1 | 5 14 |
| T 12 | 21 25 | 23 28 | 4 5 | 17 30 | 4 42 | 17 30 | 5 44 | 22 31 | 1 6 | 12 34 | 1 5 | 22 36 | 0 10 | 7 2 | 0 44 | 2 16 | 1 35 | 27 10 | 8 21 | 22 14 | 21 59 | 25 8 | 18 0 | 5 14 |
| F 13 | 21 15 | 19 57 | 4 45 | 17 42 | 4 35 | 17 32 | 5 43 | 22 24 | 1 6 | 12 29 | 1 5 | 22 37 | 0 10 | 7 1 | 0 44 | 2 16 | 1 35 | 27 9 | 8 21 | 22 13 | 21 59 | 25 9 | 18 0 | 5 14 |
| S 14 | 21 4 | 15 18 | 5 6 | 17 55 | 4 27 | 17 34 | 5 42 | 22 17 | 1 6 | 12 25 | 1 5 | 22 38 | 0 10 | 7 0 | 0 44 | 2 15 | 1 35 | 27 9 | 8 21 | 22 12 | 21 58 | 25 10 | 17 59 | 5 14 |
| S 15 | 20 53 | 9 57 | 5 7 | 18 8 | 4 17 | 17 37 | 5 40 | 22 10 | 1 6 | 12 21 | 1 5 | 22 38 | 0 11 | 6 59 | 0 44 | 2 15 | 1 35 | 27 9 | 8 21 | 22 11 | 21 58 | 25 11 | 17 58 | 5 15 |
| M16 | 20 42 | 4 17 | 4 51 | 18 22 | 4 6 | 17 40 | 5 38 | 22 3 | 1 6 | 12 17 | 1 5 | 22 39 | 0 11 | 6 58 | 0 44 | 2 14 | 1 35 | 27 8 | 8 21 | 22 10 | 21 57 | 25 12 | 17 58 | 5 15 |
| T 17 | 20 30 | 1n22 | 4 20 | 18 37 | 3 54 | 17 44 | 5 36 | 21 56 | 1 7 | 12 12 | 1 5 | 22 40 | 0 11 | 6 57 | 0 44 | 2 14 | 1 35 | 27 8 | 8 21 | 22 10 | 21 57 | 25 13 | 17 57 | 5 15 |
| W18 | 20 18 | 6 48 | 3 37 | 18 52 | 3 40 | 17 47 | 5 33 | 21 48 | 1 7 | 12 8 | 1 5 | 22 40 | 0 11 | 6 56 | 0 44 | 2 13 | 1 35 | 27 7 | 8 21 | 22 10 | 21 56 | 25 14 | 17 56 | 5 15 |
| T 19 | 20 6 | 11 50 | 2 44 | 19 7 | 3 26 | 17 51 | 5 31 | 21 41 | 1 7 | 12 4 | 1 5 | 22 41 | 0 11 | 6 54 | 0 44 | 2 13 | 1 35 | 27 7 | 8 21 | 22 10 | 21 56 | 25 15 | 17 56 | 5 15 |
| F 20 | 19 53 | 16 18 | 1 46 | 19 22 | 3 11 | 17 56 | 5 28 | 21 33 | 1 7 | 11 59 | 1 5 | 22 41 | 0 11 | 6 53 | 0 44 | 2 12 | 1 35 | 27 6 | 8 21 | 22 10 | 21 55 | 25 16 | 17 55 | 5 16 |
| S 21 | 19 40 | 20 4 | 0 44 | 19 37 | 2 55 | 18 0 | 5 25 | 21 25 | 1 7 | 11 55 | 1 5 | 22 42 | 0 11 | 6 52 | 0 44 | 2 11 | 1 35 | 27 6 | 8 21 | 22 10 | 21 55 | 25 17 | 17 54 | 5 16 |
| S 22 | 19 27 | 22 59 | 0n20 | 19 51 | 2 39 | 18 5 | 5 22 | 21 17 | 1 7 | 11 51 | 1 5 | 22 43 | 0 11 | 6 51 | 0 44 | 2 11 | 1 35 | 27 6 | 8 21 | 22 10 | 21 54 | 25 18 | 17 54 | 5 16 |
| M23 | 19 13 | 24 53 | 1 22 | 20 5 | 2 23 | 18 10 | 5 18 | 21 9 | 1 8 | 11 46 | 1 5 | 22 43 | 0 11 | 6 50 | 0 44 | 2 10 | 1 34 | 27 5 | 8 21 | 22 10 | 21 54 | 25 19 | 17 53 | 5 16 |
| T 24 | 18 59 | 25 41 | 2 21 | 20 18 | 2 6 | 18 14 | 5 14 | 21 0 | 1 8 | 11 42 | 1 5 | 22 44 | 0 11 | 6 48 | 0 44 | 2 9 | 1 34 | 27 5 | 8 21 | 22 9 | 21 53 | 25 19 | 17 52 | 5 17 |
| W25 | 18 44 | 25 18 | 3 14 | 20 30 | 1 49 | 18 19 | 5 11 | 20 52 | 1 8 | 11 37 | 1 5 | 22 44 | 0 11 | 6 47 | 0 44 | 2 9 | 1 34 | 27 4 | 8 21 | 22 8 | 21 53 | 25 20 | 17 51 | 5 17 |
| T 26 | 18 30 | 23 44 | 3 59 | 20 41 | 1 33 | 18 24 | 5 7 | 20 43 | 1 8 | 11 33 | 1 5 | 22 45 | 0 11 | 6 46 | 0 44 | 2 8 | 1 34 | 27 4 | 8 22 | 22 7 | 21 52 | 25 21 | 17 51 | 5 17 |
| F 27 | 18 15 | 21 4 | 4 34 | 20 50 | 1 16 | 18 29 | 5 3 | 20 34 | 1 8 | 11 28 | 1 5 | 22 46 | 0 12 | 6 45 | 0 44 | 2 7 | 1 34 | 27 4 | 8 22 | 22 6 | 21 52 | 25 22 | 17 50 | 5 17 |
| S 28 | 18 0 | 17 24 | 4 56 | 20 58 | 1 0 | 18 35 | 4 58 | 20 25 | 1 8 | 11 24 | 1 5 | 22 46 | 0 12 | 6 43 | 0 44 | 2 7 | 1 34 | 27 3 | 8 22 | 22 4 | 21 51 | 25 23 | 17 49 | 5 18 |
| S 29 | 17 44 | 12 56 | 5 4 | 21 4 | 0 44 | 18 40 | 4 54 | 20 16 | 1 8 | 11 19 | 1 5 | 22 47 | 0 12 | 6 42 | 0 44 | 2 6 | 1 34 | 27 3 | 8 22 | 22 3 | 21 51 | 25 24 | 17 48 | 5 18 |
| M30 | 17 28 | 7 50 | 4 57 | 21 8 | 0 29 | 18 45 | 4 49 | 20 7 | 1 8 | 11 15 | 1 5 | 22 47 | 0 12 | 6 41 | 0 44 | 2 5 | 1 34 | 27 2 | 8 22 | 22 1 | 21 50 | 25 25 | 17 47 | 5 18 |
| T 31 | 17n12 | 2n19 | 4n35 | 21n 9 | 0s14 | 18n49 | 4s45 | 19n58 | 1n 9 | 11n10 | 1n 5 | 22s48 | 0s12 | 6n39 | 0n44 | 2n 5 | 1n34 | 27n 2 | 8n22 | 22n 0 | 21n50 | 25n26 | 17n47 | 5s18 |

Julian Day Number = 2071879.5, Delta T = 27m51s
Ecliptic obliquity = 23°34'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'12, Lahiri = 9°22'12 Julian Calendar 1 July 960 == Greg. Calendar 6 July 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## AUGUST 960 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 59 4 | 13♌17'29 | 17♎54 | 25♋35 | 29♊59 | 6♌45 | 4♍ 1 | 16°R 1 | 14♍57 | 28♍26 | 5♌47 | 9°R25 | 8♊20 | 29♊33 | 11♋41 | W 1 |
| T 2 | 21 3 0 | 14°15'19 | 1♏18 | 27° 1 | 0♋41 | 7°23 | 4°14 | 15♂57 | 15° 0 | 28°27 | 5°49 | 9♊22 | 8°17 | 29°40 | 11°47 | T 2 |
| F 3 | 21 6 57 | 15°13'11 | 14°59 | 28°31 | 1°25 | 8° 1 | 4°26 | 15°54 | 15° 3 | 28°29 | 5°50 | 9°D21 | 8°14 | 29°46 | 11°52 | F 3 |
| S 4 | 21 10 54 | 16°11'04 | 28°55 | 0♌ 6 | 2° 9 | 8°39 | 4°39 | 15°50 | 15° 7 | 28°31 | 5°52 | 9°22 | 8°11 | 29°53 | 11°58 | S 4 |
| S 5 | 21 14 50 | 17° 8'58 | 13♐ 9 | 1°45 | 2°55 | 9°17 | 4°52 | 15°47 | 15°10 | 28°33 | 5°54 | 9°R22 | 8° 8 | 29°59 | 12° 4 | S 5 |
| M 6 | 21 18 47 | 18° 6'54 | 27°38 | 3°28 | 3°41 | 9°56 | 5° 4 | 15°43 | 15°14 | 28°34 | 5°56 | 9°21 | 8° 4 | 0♋ 6 | 12°10 | M 6 |
| T 7 | 21 22 43 | 19° 4'51 | 12♑19 | 5°14 | 4°28 | 10°34 | 5°17 | 15°40 | 15°17 | 28°36 | 5°58 | 9°17 | 8° 1 | 0°13 | 12°15 | T 7 |
| W 8 | 21 26 40 | 20° 2'49 | 27° 7 | 7° 3 | 5°16 | 11°12 | 5°30 | 15°37 | 15°21 | 28°38 | 6° 0 | 9°11 | 7°58 | 0°20 | 12°21 | W 8 |
| T 9 | 21 30 36 | 21° 0'49 | 11♒54 | 8°54 | 6° 5 | 11°50 | 5°43 | 15°33 | 15°24 | 28°40 | 6° 1 | 9° 3 | 7°55 | 0°26 | 12°27 | T 9 |
| F 10 | 21 34 33 | 21°58'51 | 26°34 | 10°47 | 6°54 | 12°28 | 5°55 | 15°30 | 15°28 | 28°42 | 6° 3 | 8°52 | 7°52 | 0°33 | 12°32 | F 10 |
| S 11 | 21 38 30 | 22°56'54 | 10♓57 | 12°41 | 7°45 | 13° 6 | 6° 8 | 15°27 | 15°31 | 28°44 | 6° 5 | 8°41 | 7°48 | 0°40 | 12°38 | S 11 |
| S 12 | 21 42 26 | 23°54'59 | 24°58 | 14°37 | 8°36 | 13°45 | 6°21 | 15°24 | 15°35 | 28°45 | 6° 7 | 8°31 | 7°45 | 0°46 | 12°43 | S 12 |
| M13 | 21 46 23 | 24°53'06 | 8♈33 | 16°33 | 9°27 | 14°23 | 6°34 | 15°21 | 15°38 | 28°47 | 6° 9 | 8°22 | 7°42 | 0°53 | 12°48 | M13 |
| T 14 | 21 50 19 | 25°51'15 | 21°42 | 18°29 | 10°20 | 15° 1 | 6°47 | 15°18 | 15°42 | 28°49 | 6°10 | 8°16 | 7°39 | 1° 0 | 12°54 | T 14 |
| W15 | 21 54 16 | 26°49'26 | 4♉25 | 20°26 | 11°13 | 15°39 | 7° 0 | 15°16 | 15°46 | 28°51 | 6°12 | 8°12 | 7°36 | 1° 6 | 12°59 | W15 |
| T 16 | 21 58 12 | 27°47'39 | 16°47 | 22°22 | 12° 6 | 16°17 | 7°12 | 15°13 | 15°49 | 28°53 | 6°14 | 8°10 | 7°33 | 1°13 | 13° 4 | T 16 |
| F 17 | 22 2 9 | 28°45'54 | 28°53 | 24°19 | 13° 0 | 16°55 | 7°25 | 15°10 | 15°53 | 28°55 | 6°16 | 8°D 9 | 7°29 | 1°20 | 13°10 | F 17 |
| S 18 | 22 6 5 | 29°44'11 | 10♊47 | 26°15 | 13°55 | 17°34 | 7°38 | 15° 8 | 15°57 | 28°57 | 6°17 | 8°R 9 | 7°26 | 1°26 | 13°15 | S 18 |
| S 19 | 22 10 2 | 0♍42'31 | 22°36 | 28°10 | 14°50 | 18°12 | 7°51 | 15° 5 | 16° 0 | 28°59 | 6°19 | 8° 9 | 7°23 | 1°33 | 13°20 | S 19 |
| M20 | 22 13 58 | 1°40'52 | 4♋24 | 0♍ 4 | 15°46 | 18°50 | 8° 4 | 15° 3 | 16° 4 | 29° 1 | 6°21 | 8° 6 | 7°20 | 1°40 | 13°25 | M20 |
| T 21 | 22 17 55 | 2°39'16 | 16°16 | 1°58 | 16°43 | 19°28 | 8°17 | 15° 1 | 16° 8 | 29° 3 | 6°23 | 8° 2 | 7°17 | 1°46 | 13°30 | T 21 |
| W22 | 22 21 52 | 3°37'42 | 28°17 | 3°51 | 17°40 | 20° 6 | 8°30 | 14°58 | 16°11 | 29° 5 | 6°24 | 7°54 | 7°14 | 1°53 | 13°35 | W22 |
| T 23 | 22 25 48 | 4°36'09 | 10♌28 | 5°43 | 18°37 | 20°44 | 8°43 | 14°56 | 16°15 | 29° 7 | 6°26 | 7°44 | 7°10 | 2° 0 | 13°40 | T 23 |
| F 24 | 22 29 45 | 5°34'39 | 22°53 | 7°34 | 19°35 | 21°23 | 8°56 | 14°54 | 16°19 | 29° 9 | 6°28 | 7°32 | 7° 7 | 2° 6 | 13°45 | F 24 |
| S 25 | 22 33 41 | 6°33'11 | 5♍32 | 9°24 | 20°33 | 22° 1 | 9° 9 | 14°52 | 16°23 | 29°12 | 6°29 | 7°18 | 7° 4 | 2°13 | 13°50 | S 25 |
| S 26 | 22 37 38 | 7°31'45 | 18°25 | 11°13 | 21°32 | 22°39 | 9°22 | 14°51 | 16°26 | 29°14 | 6°31 | 7° 5 | 7° 1 | 2°20 | 13°54 | S 26 |
| M27 | 22 41 34 | 8°30'20 | 1♎31 | 13° 1 | 22°31 | 23°17 | 9°35 | 14°49 | 16°30 | 29°16 | 6°33 | 6°53 | 6°58 | 2°26 | 13°59 | M27 |
| T 28 | 22 45 31 | 9°28'58 | 14°48 | 14°47 | 23°31 | 23°55 | 9°48 | 14°47 | 16°34 | 29°18 | 6°34 | 6°43 | 6°54 | 2°33 | 14° 4 | T 28 |
| W29 | 22 49 27 | 10°27'37 | 28°16 | 16°33 | 24°31 | 24°33 | 10° 1 | 14°46 | 16°38 | 29°20 | 6°36 | 6°37 | 6°51 | 2°40 | 14° 8 | W29 |
| T 30 | 22 53 24 | 11°26'18 | 11♏54 | 18°18 | 25°31 | 25°11 | 10°14 | 14°44 | 16°41 | 29°22 | 6°37 | 6°33 | 6°48 | 2°46 | 14°13 | T 30 |
| F 31 | 22 57 21 | 12♍25'01 | 25♏41 | 20♍ 2 | 26♋32 | 25♌50 | 10♍27 | 14♂43 | 16♍45 | 29♍24 | 6♌39 | 6♊31 | 6♊45 | 2♋53 | 14♋17 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n55 | 3s23 | 3n59 | 21n 9 | 0n 0 | 18n54 | 4s40 | 19n48 | 1n 9 | 11n 6 | 1n 5 | 22s48 | 0s12 | 6n38 | 0n44 | 2n 4 | 1n34 | 27n 2 | 8n22 | 21n59 | 21n49 | 25n26 | 17n46 | 5s19 |
| T 2 | 16 39 | 9 3 | 3 8 | 21 6 | 0 13 | 18 59 | 4 35 | 19 38 | 1 9 | 11 1 | 1 5 | 22 49 | 0 12 | 6 37 | 0 44 | 2 3 | 1 34 | 27 1 | 8 22 | 21 59 | 21 49 | 25 27 | 17 45 | 5 19 |
| F 3 | 16 22 | 14 25 | 2 6 | 21 0 | 0 26 | 19 4 | 4 31 | 19 29 | 1 9 | 10 56 | 1 5 | 22 49 | 0 12 | 6 35 | 0 44 | 2 3 | 1 34 | 27 1 | 8 22 | 21 59 | 21 48 | 25 28 | 17 44 | 5 19 |
| S 4 | 16 5 | 19 8 | 0 55 | 20 51 | 0 38 | 19 8 | 4 26 | 19 19 | 1 9 | 10 52 | 1 5 | 22 50 | 0 12 | 6 34 | 0 44 | 2 2 | 1 34 | 27 0 | 8 22 | 21 59 | 21 48 | 25 29 | 17 43 | 5 20 |
| S 5 | 15 47 | 22 50 | 0s20 | 20 40 | 0 49 | 19 12 | 4 20 | 19 9 | 1 9 | 10 47 | 1 5 | 22 50 | 0 12 | 6 33 | 0 44 | 2 1 | 1 34 | 27 0 | 8 22 | 21 59 | 21 47 | 25 30 | 17 43 | 5 20 |
| M 6 | 15 29 | 25 9 | 1 36 | 20 26 | 0 58 | 19 16 | 4 15 | 18 58 | 1 9 | 10 42 | 1 5 | 22 51 | 0 12 | 6 31 | 0 44 | 2 0 | 1 34 | 27 0 | 8 23 | 21 59 | 21 47 | 25 31 | 17 42 | 5 20 |
| T 7 | 15 11 | 25 45 | 2 46 | 20 9 | 1 7 | 19 20 | 4 10 | 18 48 | 1 9 | 10 38 | 1 5 | 22 51 | 0 12 | 6 30 | 0 44 | 2 0 | 1 34 | 26 59 | 8 23 | 21 58 | 21 46 | 25 31 | 17 41 | 5 21 |
| W 8 | 14 53 | 24 32 | 3 45 | 19 50 | 1 15 | 19 23 | 4 5 | 18 38 | 1 9 | 10 33 | 1 5 | 22 52 | 0 12 | 6 29 | 0 44 | 1 59 | 1 34 | 26 59 | 8 23 | 21 57 | 21 46 | 25 32 | 17 40 | 5 21 |
| T 9 | 14 34 | 21 37 | 4 29 | 19 28 | 1 23 | 19 27 | 4 0 | 18 27 | 1 10 | 10 28 | 1 5 | 22 52 | 0 13 | 6 27 | 0 44 | 1 58 | 1 34 | 26 59 | 8 23 | 21 56 | 21 45 | 25 33 | 17 39 | 5 21 |
| F 10 | 14 16 | 17 21 | 4 55 | 19 3 | 1 29 | 19 30 | 3 54 | 18 16 | 1 10 | 10 23 | 1 5 | 22 53 | 0 13 | 6 26 | 0 44 | 1 57 | 1 34 | 26 58 | 8 23 | 21 54 | 21 45 | 25 34 | 17 38 | 5 22 |
| S 11 | 13 57 | 12 8 | 5 1 | 18 36 | 1 34 | 19 32 | 3 49 | 18 5 | 1 10 | 10 19 | 1 5 | 22 53 | 0 13 | 6 24 | 0 44 | 1 57 | 1 34 | 26 58 | 8 23 | 21 53 | 21 44 | 25 35 | 17 38 | 5 22 |
| S 12 | 13 37 | 6 26 | 4 50 | 18 7 | 1 38 | 19 35 | 3 43 | 17 55 | 1 10 | 10 14 | 1 5 | 22 53 | 0 13 | 6 23 | 0 44 | 1 56 | 1 34 | 26 58 | 8 23 | 21 51 | 21 44 | 25 35 | 17 37 | 5 23 |
| M13 | 13 18 | 0 36 | 4 21 | 17 35 | 1 42 | 19 37 | 3 38 | 17 43 | 1 10 | 10 9 | 1 5 | 22 54 | 0 13 | 6 22 | 0 43 | 1 55 | 1 34 | 26 57 | 8 24 | 21 50 | 21 43 | 25 36 | 17 36 | 5 23 |
| T 14 | 12 58 | 5n 6 | 3 40 | 17 1 | 1 44 | 19 39 | 3 32 | 17 32 | 1 10 | 10 4 | 1 5 | 22 54 | 0 13 | 6 20 | 0 43 | 1 54 | 1 34 | 26 57 | 8 24 | 21 48 | 21 43 | 25 37 | 17 35 | 5 23 |
| W15 | 12 39 | 10 25 | 2 49 | 16 26 | 1 46 | 19 40 | 3 27 | 17 21 | 1 10 | 9 59 | 1 5 | 22 55 | 0 13 | 6 19 | 0 43 | 1 53 | 1 34 | 26 57 | 8 24 | 21 48 | 21 42 | 25 38 | 17 34 | 5 24 |
| T 16 | 12 18 | 15 11 | 1 51 | 15 49 | 1 47 | 19 41 | 3 21 | 17 10 | 1 10 | 9 55 | 1 5 | 22 55 | 0 13 | 6 17 | 0 43 | 1 53 | 1 34 | 26 56 | 8 24 | 21 48 | 21 42 | 25 38 | 17 33 | 5 24 |
| F 17 | 11 58 | 19 14 | 0 49 | 15 11 | 1 48 | 19 42 | 3 15 | 16 58 | 1 10 | 9 50 | 1 5 | 22 55 | 0 13 | 6 16 | 0 43 | 1 52 | 1 34 | 26 56 | 8 24 | 21 48 | 21 41 | 25 39 | 17 32 | 5 25 |
| S 18 | 11 38 | 22 25 | 0n14 | 14 31 | 1 47 | 19 42 | 3 10 | 16 46 | 1 10 | 9 45 | 1 5 | 22 56 | 0 13 | 6 14 | 0 43 | 1 51 | 1 34 | 26 56 | 8 24 | 21 48 | 21 40 | 25 40 | 17 31 | 5 25 |
| S 19 | 11 17 | 24 38 | 1 16 | 13 50 | 1 46 | 19 42 | 3 4 | 16 35 | 1 10 | 9 40 | 1 5 | 22 56 | 0 13 | 6 13 | 0 43 | 1 50 | 1 34 | 26 55 | 8 24 | 21 47 | 21 40 | 25 41 | 17 30 | 5 25 |
| M20 | 10 56 | 25 44 | 2 14 | 13 9 | 1 45 | 19 41 | 2 58 | 16 23 | 1 10 | 9 35 | 1 5 | 22 56 | 0 13 | 6 12 | 0 43 | 1 49 | 1 34 | 26 55 | 8 25 | 21 47 | 21 39 | 25 41 | 17 29 | 5 26 |
| T 21 | 10 35 | 25 40 | 3 7 | 12 26 | 1 43 | 19 40 | 2 53 | 16 11 | 1 11 | 9 30 | 1 5 | 22 57 | 0 13 | 6 10 | 0 43 | 1 49 | 1 34 | 26 55 | 8 25 | 21 46 | 21 39 | 25 42 | 17 29 | 5 26 |
| W22 | 10 14 | 24 25 | 3 52 | 11 42 | 1 40 | 19 38 | 2 47 | 15 59 | 1 11 | 9 26 | 1 5 | 22 57 | 0 13 | 6 9 | 0 43 | 1 48 | 1 34 | 26 55 | 8 25 | 21 45 | 21 38 | 25 43 | 17 28 | 5 27 |
| T 23 | 9 53 | 22 0 | 4 27 | 10 58 | 1 37 | 19 36 | 2 41 | 15 47 | 1 11 | 9 21 | 1 5 | 22 57 | 0 14 | 6 7 | 0 43 | 1 47 | 1 34 | 26 54 | 8 25 | 21 43 | 21 38 | 25 43 | 17 27 | 5 27 |
| F 24 | 9 31 | 18 32 | 4 50 | 10 13 | 1 33 | 19 34 | 2 36 | 15 34 | 1 11 | 9 16 | 1 5 | 22 58 | 0 14 | 6 6 | 0 43 | 1 46 | 1 34 | 26 54 | 8 25 | 21 41 | 21 37 | 25 44 | 17 26 | 5 28 |
| S 25 | 9 9 | 14 10 | 5 0 | 9 28 | 1 30 | 19 31 | 2 30 | 15 22 | 1 11 | 9 11 | 1 5 | 22 58 | 0 14 | 6 4 | 0 43 | 1 45 | 1 34 | 26 54 | 8 26 | 21 39 | 21 37 | 25 45 | 17 25 | 5 28 |
| S 26 | 8 48 | 9 7 | 4 54 | 8 43 | 1 25 | 19 28 | 2 24 | 15 10 | 1 11 | 9 6 | 1 5 | 22 58 | 0 14 | 6 3 | 0 43 | 1 44 | 1 34 | 26 54 | 8 26 | 21 37 | 21 36 | 25 46 | 17 24 | 5 28 |
| M27 | 8 26 | 3 34 | 4 33 | 7 57 | 1 21 | 19 24 | 2 19 | 14 57 | 1 11 | 9 1 | 1 5 | 22 58 | 0 14 | 6 1 | 0 43 | 1 44 | 1 34 | 26 53 | 8 26 | 21 35 | 21 36 | 25 46 | 17 23 | 5 29 |
| T 28 | 8 3 | 2s13 | 3 57 | 7 11 | 1 16 | 19 20 | 2 13 | 14 44 | 1 11 | 8 56 | 1 5 | 22 59 | 0 14 | 6 0 | 0 43 | 1 43 | 1 34 | 26 53 | 8 26 | 21 33 | 21 35 | 25 47 | 17 22 | 5 29 |
| W29 | 7 41 | 8 0 | 3 7 | 6 25 | 1 10 | 19 15 | 2 7 | 14 32 | 1 11 | 8 51 | 1 5 | 22 59 | 0 14 | 5 58 | 0 43 | 1 42 | 1 34 | 26 53 | 8 26 | 21 32 | 21 35 | 25 48 | 17 21 | 5 30 |
| T 30 | 7 19 | 13 29 | 2 6 | 5 39 | 1 5 | 19 10 | 2 2 | 14 19 | 1 11 | 8 46 | 1 5 | 22 59 | 0 14 | 5 57 | 0 43 | 1 41 | 1 34 | 26 53 | 8 27 | 21 31 | 21 34 | 25 48 | 17 20 | 5 30 |
| F 31 | 6n56 | 18s22 | 0n57 | 4n53 | 0n59 | 19n 4 | 1s56 | 14n 6 | 1n11 | 8n41 | 1n 5 | 22s59 | 0s14 | 5n55 | 0n43 | 1n40 | 1n34 | 26n52 | 8n27 | 21n31 | 21n34 | 25n49 | 17n19 | 5s31 |

Julian Day Number = 2071910.5, Delta T = 27m51s
Ecliptic obliquity = 23°34'29, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'16, Lahiri = 9°22'16 Julian Calendar 1 Aug. 960 == Greg. Calendar 6 Aug. 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## SEPTEMBER 960 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 1 17 | 13♍23'46 | 9♐36 | 21♍44 | 27♋33 | 26♌28 | 10♍40 | 14°R41 | 16♍49 | 29♍27 | 6♌41 | 6°R31 | 6♊42 | 3♋ 0 | 14♋22 | S 1 |
| S 2 | 23 5 14 | 14°22'32 | 23°41 | 23°26 | 28°34 | 27° 6 | 10°53 | 14♏40 | 16°53 | 29°29 | 6°42 | 6♊31 | 6°39 | 3° 6 | 14°26 | S 2 |
| M 3 | 23 9 10 | 15°21'20 | 7♏54 | 25° 7 | 29°36 | 27°44 | 11° 6 | 14°39 | 16°56 | 29°31 | 6°44 | 6°29 | 6°35 | 3°13 | 14°30 | M 3 |
| T 4 | 23 13 7 | 16°20'10 | 22°14 | 26°47 | 0♌38 | 28°22 | 11°19 | 14°38 | 17° 0 | 29°33 | 6°45 | 6°26 | 6°32 | 3°20 | 14°34 | T 4 |
| W 5 | 23 17 3 | 17°19'02 | 6♒37 | 28°26 | 1°41 | 29° 0 | 11°32 | 14°37 | 17° 4 | 29°35 | 6°47 | 6°19 | 6°29 | 3°26 | 14°38 | W 5 |
| T 6 | 23 21 0 | 18°17'55 | 21° 0 | 0♎ 4 | 2°44 | 29°38 | 11°45 | 14°37 | 17° 8 | 29°37 | 6°48 | 6°10 | 6°26 | 3°33 | 14°42 | T 6 |
| F 7 | 23 24 56 | 19°16'51 | 5♓16 | 1°41 | 3°47 | 0♍17 | 11°58 | 14°36 | 17°12 | 29°40 | 6°50 | 5°59 | 6°23 | 3°40 | 14°46 | F 7 |
| S 8 | 23 28 53 | 20°15'48 | 19°21 | 3°17 | 4°50 | 0°55 | 12°11 | 14°35 | 17°15 | 29°42 | 6°51 | 5°48 | 6°20 | 3°46 | 14°50 | S 8 |
| S 9 | 23 32 50 | 21°14'47 | 3♈ 7 | 4°52 | 5°54 | 1°33 | 12°24 | 14°35 | 17°19 | 29°44 | 6°53 | 5°36 | 6°16 | 3°53 | 14°54 | S 9 |
| M10 | 23 36 46 | 22°13'49 | 16°33 | 6°26 | 6°58 | 2°11 | 12°37 | 14°34 | 17°23 | 29°46 | 6°54 | 5°27 | 6°13 | 4° 0 | 14°58 | M10 |
| T 11 | 23 40 43 | 23°12'52 | 29°37 | 8° 0 | 8° 3 | 2°49 | 12°50 | 14°34 | 17°27 | 29°49 | 6°55 | 5°19 | 6°10 | 4° 6 | 15° 2 | T 11 |
| W12 | 23 44 39 | 24°11'58 | 12♉19 | 9°33 | 9° 7 | 3°27 | 13° 3 | 14°34 | 17°30 | 29°51 | 6°57 | 5°15 | 6° 7 | 4°13 | 15° 5 | W12 |
| T 13 | 23 48 36 | 25°11'07 | 24°41 | 11° 5 | 10°12 | 4° 5 | 13°15 | 14°34 | 17°34 | 29°53 | 6°58 | 5°12 | 6° 4 | 4°20 | 15° 9 | T 13 |
| F 14 | 23 52 32 | 26°10'17 | 6♊47 | 12°36 | 11°17 | 4°44 | 13°28 | 14°D34 | 17°38 | 29°55 | 6°59 | 5°D12 | 6° 0 | 4°26 | 15°12 | F 14 |
| S 15 | 23 56 29 | 27° 9'30 | 18°42 | 14° 6 | 12°23 | 5°22 | 13°41 | 14°34 | 17°42 | 29°57 | 7° 1 | 5°12 | 5°57 | 4°33 | 15°16 | S 15 |
| S 16 | 0 0 25 | 28° 8'46 | 0♋32 | 15°35 | 13°29 | 6° 0 | 13°54 | 14°34 | 17°45 | 29°59 | 7° 2 | 5°R12 | 5°54 | 4°39 | 15°19 | S 16 |
| M17 | 0 4 22 | 29° 8'04 | 12°21 | 17° 4 | 14°35 | 6°38 | 14° 7 | 14°34 | 17°49 | 0♎ 2 | 7° 3 | 5°11 | 5°51 | 4°46 | 15°22 | M17 |
| T 18 | 0 8 19 | 0♎ 7'24 | 24°15 | 18°32 | 15°41 | 7°16 | 14°20 | 14°35 | 17°53 | 0° 4 | 7° 5 | 5° 8 | 5°48 | 4°53 | 15°25 | T 18 |
| W19 | 0 12 15 | 1° 6'46 | 6♌19 | 19°59 | 16°47 | 7°54 | 14°32 | 14°35 | 17°57 | 0° 6 | 7° 6 | 5° 3 | 5°45 | 4°59 | 15°28 | W19 |
| T 20 | 0 16 12 | 2° 6'11 | 18°37 | 21°25 | 17°54 | 8°33 | 14°45 | 14°36 | 18° 0 | 0° 9 | 7° 7 | 4°55 | 5°41 | 5° 6 | 15°31 | T 20 |
| F 21 | 0 20 8 | 3° 5'38 | 1♍12 | 22°50 | 19° 1 | 9°11 | 14°58 | 14°36 | 18° 4 | 0°11 | 7° 8 | 4°46 | 5°38 | 5°13 | 15°34 | F 21 |
| S 22 | 0 24 5 | 4° 5'07 | 14° 5 | 24°14 | 20° 8 | 9°49 | 15°10 | 14°37 | 18° 8 | 0°13 | 7° 9 | 4°35 | 5°35 | 5°19 | 15°37 | S 22 |
| S 23 | 0 28 1 | 5° 4'39 | 27°16 | 25°38 | 21°16 | 10°27 | 15°23 | 14°38 | 18°11 | 0°15 | 7°10 | 4°24 | 5°32 | 5°26 | 15°40 | S 23 |
| M24 | 0 31 58 | 6° 4'12 | 10♎44 | 27° 0 | 22°23 | 11° 5 | 15°36 | 14°39 | 18°15 | 0°18 | 7°12 | 4°14 | 5°29 | 5°33 | 15°43 | M24 |
| T 25 | 0 35 54 | 7° 3'48 | 24°26 | 28°22 | 23°31 | 11°43 | 15°48 | 14°40 | 18°19 | 0°20 | 7°13 | 4° 7 | 5°25 | 5°39 | 15°45 | T 25 |
| W26 | 0 39 51 | 8° 3'25 | 8♏19 | 29°42 | 24°39 | 12°22 | 16° 1 | 14°41 | 18°22 | 0°22 | 7°14 | 4° 1 | 5°22 | 5°46 | 15°48 | W26 |
| T 27 | 0 43 47 | 9° 3'05 | 22°19 | 1♏ 1 | 25°47 | 13° 0 | 16°13 | 14°43 | 18°26 | 0°24 | 7°15 | 3°59 | 5°19 | 5°53 | 15°50 | T 27 |
| F 28 | 0 47 44 | 10° 2'46 | 6♐25 | 2°20 | 26°55 | 13°38 | 16°26 | 14°44 | 18°29 | 0°26 | 7°16 | 3°D58 | 5°16 | 5°59 | 15°52 | F 28 |
| S 29 | 0 51 41 | 11° 2'29 | 20°32 | 3°36 | 28° 4 | 14°16 | 16°38 | 14°46 | 18°33 | 0°29 | 7°17 | 3°59 | 5°13 | 6° 6 | 15°55 | S 29 |
| S 30 | 0 55 37 | 12♎ 2'14 | 4♏41 | 4♏52 | 29♌13 | 14♍54 | 16♍50 | 14♏47 | 18♍37 | 0♎31 | 7♌18 | 4♊ 0 | 5♊10 | 6♋13 | 15♋57 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n34 | 22s17 | 0s16 | 4n 6 | 0n53 | 18n58 | 1s51 | 13n53 | 1n11 | 8n37 | 1n 5 | 23s 0 | 0s14 | 5n54 | 0n43 | 1n39 | 1n34 | 26n52 | 8n27 | 21n31 | 21n33 | 25n49 | 17n18 | 5s31 |
| S 2 | 6 11 | 24 55 | 1 30 | 3 20 | 0 47 | 18 51 | 1 45 | 13 40 | 1 11 | 8 32 | 1 5 | 23 0 | 0 14 | 5 52 | 0 43 | 1 38 | 1 34 | 26 52 | 8 27 | 21 31 | 21 32 | 25 50 | 17 17 | 5 32 |
| M 3 | 5 48 | 25 58 | 2 38 | 2 34 | 0 41 | 18 44 | 1 40 | 13 27 | 1 11 | 8 27 | 1 5 | 23 0 | 0 14 | 5 51 | 0 43 | 1 37 | 1 34 | 26 52 | 8 27 | 21 31 | 21 32 | 25 51 | 17 16 | 5 32 |
| T 4 | 5 25 | 25 17 | 3 37 | 1 49 | 0 34 | 18 36 | 1 34 | 13 13 | 1 11 | 8 22 | 1 5 | 23 0 | 0 14 | 5 49 | 0 43 | 1 37 | 1 34 | 26 52 | 8 28 | 21 30 | 21 31 | 25 51 | 17 16 | 5 33 |
| W 5 | 5 2 | 22 57 | 4 22 | 1 3 | 0 28 | 18 27 | 1 29 | 13 0 | 1 11 | 8 17 | 1 5 | 23 0 | 0 14 | 5 48 | 0 43 | 1 36 | 1 34 | 26 51 | 8 28 | 21 29 | 21 31 | 25 52 | 17 15 | 5 33 |
| T 6 | 4 39 | 19 10 | 4 51 | 0 18 | 0 21 | 18 19 | 1 23 | 12 46 | 1 11 | 8 12 | 1 5 | 23 0 | 0 14 | 5 47 | 0 43 | 1 35 | 1 34 | 26 51 | 8 28 | 21 28 | 21 30 | 25 53 | 17 14 | 5 34 |
| F 7 | 4 16 | 14 17 | 5 1 | 0s27 | 0 14 | 18 9 | 1 18 | 12 33 | 1 11 | 8 7 | 1 5 | 23 1 | 0 14 | 5 45 | 0 43 | 1 34 | 1 34 | 26 51 | 8 28 | 21 26 | 21 30 | 25 53 | 17 13 | 5 34 |
| S 8 | 3 53 | 8 43 | 4 53 | 1 12 | 0 7 | 17 59 | 1 13 | 12 19 | 1 11 | 8 2 | 1 5 | 23 1 | 0 15 | 5 44 | 0 43 | 1 33 | 1 34 | 26 51 | 8 29 | 21 24 | 21 29 | 25 54 | 17 12 | 5 35 |
| S 9 | 3 29 | 2 50 | 4 28 | 1 57 | 0s 0 | 17 49 | 1 7 | 12 6 | 1 11 | 7 57 | 1 5 | 23 1 | 0 15 | 5 42 | 0 43 | 1 32 | 1 34 | 26 51 | 8 29 | 21 22 | 21 29 | 25 54 | 17 11 | 5 35 |
| M10 | 3 6 | 3n 2 | 3 48 | 2 41 | 0 7 | 17 38 | 1 2 | 11 52 | 1 11 | 7 52 | 1 5 | 23 1 | 0 15 | 5 41 | 0 43 | 1 31 | 1 34 | 26 51 | 8 29 | 21 20 | 21 28 | 25 55 | 17 10 | 5 36 |
| T 11 | 2 43 | 8 38 | 2 57 | 3 25 | 0 14 | 17 27 | 0 57 | 11 38 | 1 11 | 7 47 | 1 5 | 23 1 | 0 15 | 5 39 | 0 43 | 1 30 | 1 34 | 26 50 | 8 29 | 21 19 | 21 28 | 25 56 | 17 9 | 5 36 |
| W12 | 2 19 | 13 44 | 1 59 | 4 8 | 0 21 | 17 15 | 0 52 | 11 24 | 1 11 | 7 42 | 1 6 | 23 1 | 0 15 | 5 38 | 0 43 | 1 29 | 1 34 | 26 50 | 8 30 | 21 18 | 21 27 | 25 56 | 17 8 | 5 37 |
| T 13 | 1 55 | 18 9 | 0 56 | 4 51 | 0 29 | 17 2 | 0 47 | 11 10 | 1 11 | 7 37 | 1 6 | 23 1 | 0 15 | 5 36 | 0 43 | 1 29 | 1 34 | 26 50 | 8 30 | 21 17 | 21 26 | 25 57 | 17 7 | 5 38 |
| F 14 | 1 32 | 21 42 | 0n 8 | 5 33 | 0 36 | 16 49 | 0 42 | 10 56 | 1 11 | 7 33 | 1 6 | 23 1 | 0 15 | 5 35 | 0 43 | 1 28 | 1 34 | 26 50 | 8 30 | 21 17 | 21 26 | 25 57 | 17 6 | 5 38 |
| S 15 | 1 8 | 24 17 | 1 11 | 6 15 | 0 43 | 16 36 | 0 37 | 10 42 | 1 11 | 7 28 | 1 6 | 23 1 | 0 15 | 5 33 | 0 43 | 1 27 | 1 34 | 26 50 | 8 30 | 21 17 | 21 25 | 25 58 | 17 5 | 5 39 |
| S 16 | 0 44 | 25 45 | 2 11 | 6 57 | 0 50 | 16 22 | 0 32 | 10 28 | 1 11 | 7 23 | 1 6 | 23 1 | 0 15 | 5 32 | 0 43 | 1 26 | 1 34 | 26 50 | 8 31 | 21 17 | 21 25 | 25 58 | 17 4 | 5 39 |
| M17 | 0 21 | 26 4 | 3 4 | 7 37 | 0 57 | 16 8 | 0 27 | 10 14 | 1 11 | 7 18 | 1 6 | 23 1 | 0 15 | 5 30 | 0 43 | 1 25 | 1 34 | 26 50 | 8 31 | 21 17 | 21 24 | 25 59 | 17 3 | 5 40 |
| T 18 | 0s 3 | 25 10 | 3 51 | 8 18 | 1 4 | 15 53 | 0 22 | 10 0 | 1 11 | 7 13 | 1 6 | 23 1 | 0 15 | 5 29 | 0 43 | 1 24 | 1 34 | 26 50 | 8 31 | 21 17 | 21 24 | 25 59 | 17 3 | 5 40 |
| W19 | 0 27 | 23 6 | 4 27 | 8 57 | 1 12 | 15 37 | 0 17 | 9 45 | 1 11 | 7 8 | 1 6 | 23 1 | 0 15 | 5 27 | 0 43 | 1 23 | 1 34 | 26 50 | 8 31 | 21 16 | 21 23 | 26 0 | 17 2 | 5 41 |
| T 20 | 0 50 | 19 57 | 4 52 | 9 36 | 1 18 | 15 21 | 0 12 | 9 31 | 1 11 | 7 3 | 1 6 | 23 1 | 0 15 | 5 26 | 0 43 | 1 22 | 1 34 | 26 50 | 8 32 | 21 14 | 21 23 | 26 0 | 17 1 | 5 41 |
| F 21 | 1 14 | 15 49 | 5 3 | 10 15 | 1 25 | 15 5 | 0 8 | 9 16 | 1 11 | 6 58 | 1 6 | 23 1 | 0 15 | 5 25 | 0 43 | 1 21 | 1 34 | 26 50 | 8 32 | 21 13 | 21 22 | 26 1 | 17 0 | 5 42 |
| S 22 | 1 38 | 10 54 | 5 0 | 10 53 | 1 32 | 14 48 | 0 3 | 9 2 | 1 11 | 6 54 | 1 6 | 23 1 | 0 15 | 5 23 | 0 43 | 1 21 | 1 34 | 26 49 | 8 32 | 21 11 | 21 21 | 26 1 | 16 59 | 5 43 |
| S 23 | 2 2 | 5 23 | 4 40 | 11 30 | 1 39 | 14 31 | 0n 1 | 8 47 | 1 11 | 6 49 | 1 6 | 23 1 | 0 15 | 5 22 | 0 43 | 1 20 | 1 34 | 26 49 | 8 32 | 21 9 | 21 21 | 26 2 | 16 58 | 5 43 |
| M24 | 2 25 | 0s31 | 4 5 | 12 6 | 1 45 | 14 13 | 0 6 | 8 33 | 1 11 | 6 44 | 1 6 | 23 1 | 0 15 | 5 20 | 0 43 | 1 19 | 1 34 | 26 49 | 8 33 | 21 7 | 21 20 | 26 2 | 16 57 | 5 44 |
| T 25 | 2 49 | 6 30 | 3 15 | 12 42 | 1 52 | 13 55 | 0 10 | 8 18 | 1 11 | 6 39 | 1 7 | 23 1 | 0 16 | 5 19 | 0 43 | 1 18 | 1 34 | 26 49 | 8 33 | 21 5 | 21 20 | 26 3 | 16 56 | 5 44 |
| W26 | 3 13 | 12 15 | 2 13 | 13 16 | 1 58 | 13 36 | 0 14 | 8 3 | 1 11 | 6 34 | 1 7 | 23 1 | 0 16 | 5 17 | 0 43 | 1 17 | 1 34 | 26 49 | 8 33 | 21 4 | 21 19 | 26 3 | 16 55 | 5 45 |
| T 27 | 3 36 | 17 27 | 1 2 | 13 50 | 2 4 | 13 17 | 0 18 | 7 49 | 1 11 | 6 29 | 1 7 | 23 1 | 0 16 | 5 16 | 0 43 | 1 16 | 1 34 | 26 49 | 8 34 | 21 4 | 21 19 | 26 4 | 16 54 | 5 46 |
| F 28 | 4 0 | 21 43 | 0s13 | 14 23 | 2 10 | 12 58 | 0 23 | 7 34 | 1 11 | 6 25 | 1 7 | 23 1 | 0 16 | 5 15 | 0 43 | 1 15 | 1 34 | 26 49 | 8 34 | 21 4 | 21 18 | 26 4 | 16 54 | 5 46 |
| S 29 | 4 24 | 24 42 | 1 28 | 14 55 | 2 16 | 12 38 | 0 27 | 7 19 | 1 11 | 6 20 | 1 7 | 23 1 | 0 16 | 5 13 | 0 43 | 1 14 | 1 34 | 26 49 | 8 34 | 21 4 | 21 17 | 26 5 | 16 53 | 5 47 |
| S 30 | 4s47 | 26s 7 | 2s37 | 15s26 | 2s21 | 12n17 | 0n31 | 7n 4 | 1n11 | 6n15 | 1n 7 | 23s 1 | 0s16 | 5n12 | 0n43 | 1n14 | 1n34 | 26n49 | 8n34 | 21n 4 | 21n17 | 26n 5 | 16n52 | 5s47 |

Julian Day Number = 2071941.5, Delta T = 27m50s
Ecliptic obliquity = 23°34'30, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'20, Lahiri = 9°22'20 Julian Calendar 1 Sept. 960 == Greg. Calendar 6 Sept. 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## OCTOBER 960 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 59 34 | 13♎ 2'01 | 18♉48 | 6♏ 6 | 0♍22 | 15♍33 | 17♍ 3 | 14♉49 | 18♍40 | 0♎33 | 7♌19 | 4°R 0 | 5♊ 6 | 6♋19 | 15♋59 | M 1 |
| T 2 | 1 3 30 | 14° 1'50 | 2♒54 | 7°18 | 1°31 | 16°11 | 17°15 | 14°51 | 18°44 | 0°35 | 7°20 | 3♊58 | 5° 3 | 6°26 | 16° 1 | T 2 |
| W 3 | 1 7 27 | 15° 1'40 | 16°57 | 8°29 | 2°40 | 16°49 | 17°27 | 14°53 | 18°47 | 0°38 | 7°21 | 3°54 | 5° 0 | 6°33 | 16° 3 | W 3 |
| T 4 | 1 11 23 | 16° 1'31 | 0♓54 | 9°37 | 3°49 | 17°27 | 17°40 | 14°55 | 18°51 | 0°40 | 7°21 | 3°48 | 4°57 | 6°39 | 16° 5 | T 4 |
| F 5 | 1 15 20 | 17° 1'25 | 14°42 | 10°44 | 4°59 | 18° 5 | 17°52 | 14°57 | 18°54 | 0°42 | 7°22 | 3°41 | 4°54 | 6°46 | 16° 6 | F 5 |
| S 6 | 1 19 16 | 18° 1'20 | 28°20 | 11°48 | 6° 8 | 18°44 | 18° 4 | 14°59 | 18°57 | 0°44 | 7°23 | 3°33 | 4°51 | 6°53 | 16° 8 | S 6 |
| S 7 | 1 23 13 | 19° 1'17 | 11♈43 | 12°50 | 7°18 | 19°22 | 18°16 | 15° 1 | 19° 1 | 0°46 | 7°24 | 3°25 | 4°47 | 6°59 | 16° 9 | S 7 |
| M 8 | 1 27 10 | 20° 1'16 | 24°51 | 13°49 | 8°28 | 20° 0 | 18°28 | 15° 3 | 19° 4 | 0°48 | 7°25 | 3°19 | 4°44 | 7° 6 | 16°11 | M 8 |
| T 9 | 1 31 6 | 21° 1'17 | 7♉41 | 14°44 | 9°38 | 20°38 | 18°40 | 15° 6 | 19° 8 | 0°50 | 7°25 | 3°14 | 4°41 | 7°13 | 16°12 | T 9 |
| W10 | 1 35 3 | 22° 1'20 | 20°14 | 15°36 | 10°49 | 21°16 | 18°52 | 15° 8 | 19°11 | 0°53 | 7°26 | 3°11 | 4°38 | 7°19 | 16°13 | W10 |
| T 11 | 1 38 59 | 23° 1'26 | 2♊32 | 16°25 | 11°59 | 21°55 | 19° 4 | 15°11 | 19°14 | 0°55 | 7°27 | 3°D10 | 4°35 | 7°26 | 16°15 | T 11 |
| F 12 | 1 42 56 | 24° 1'33 | 14°36 | 17° 8 | 13°10 | 22°33 | 19°15 | 15°14 | 19°18 | 0°57 | 7°27 | 3°11 | 4°31 | 7°33 | 16°16 | F 12 |
| S 13 | 1 46 52 | 25° 1'42 | 26°31 | 17°47 | 14°21 | 23°11 | 19°27 | 15°17 | 19°21 | 0°59 | 7°28 | 3°12 | 4°28 | 7°39 | 16°17 | S 13 |
| S 14 | 1 50 49 | 26° 1'54 | 8♋21 | 18°21 | 15°31 | 23°49 | 19°39 | 15°20 | 19°24 | 1° 1 | 7°29 | 3°14 | 4°25 | 7°46 | 16°17 | S 14 |
| M15 | 1 54 45 | 27° 2'07 | 20°10 | 18°48 | 16°42 | 24°28 | 19°50 | 15°23 | 19°27 | 1° 3 | 7°29 | 3°15 | 4°22 | 7°53 | 16°18 | M15 |
| T 16 | 1 58 42 | 28° 2'23 | 2♌ 4 | 19° 9 | 17°54 | 25° 6 | 20° 2 | 15°26 | 19°30 | 1° 5 | 7°30 | 3°R15 | 4°19 | 7°59 | 16°19 | T 16 |
| W17 | 2 2 39 | 29° 2'41 | 14° 8 | 19°22 | 19° 5 | 25°44 | 20°13 | 15°29 | 19°34 | 1° 7 | 7°30 | 3°14 | 4°16 | 8° 6 | 16°19 | W17 |
| T 18 | 2 6 35 | 0♏ 3'00 | 26°27 | 19°R28 | 20°16 | 26°22 | 20°25 | 15°32 | 19°37 | 1° 9 | 7°31 | 3°11 | 4°12 | 8°13 | 16°20 | T 18 |
| F 19 | 2 10 32 | 1° 3'22 | 9♍ 4 | 19°25 | 21°28 | 27° 1 | 20°36 | 15°36 | 19°40 | 1°11 | 7°31 | 3° 7 | 4° 9 | 8°19 | 16°20 | F 19 |
| S 20 | 2 14 28 | 2° 3'46 | 22° 3 | 19°12 | 22°39 | 27°39 | 20°47 | 15°39 | 19°43 | 1°13 | 7°32 | 3° 2 | 4° 6 | 8°26 | 16°21 | S 20 |
| S 21 | 2 18 25 | 3° 4'11 | 5♎24 | 18°50 | 23°51 | 28°17 | 20°59 | 15°43 | 19°46 | 1°15 | 7°32 | 2°57 | 4° 3 | 8°33 | 16°21 | S 21 |
| M22 | 2 22 21 | 4° 4'39 | 19° 8 | 18°17 | 25° 3 | 28°56 | 21°10 | 15°46 | 19°49 | 1°17 | 7°33 | 2°53 | 4° 0 | 8°39 | 16°21 | M22 |
| T 23 | 2 26 18 | 5° 5'08 | 3♏11 | 17°35 | 26°15 | 29°34 | 21°21 | 15°50 | 19°52 | 1°19 | 7°33 | 2°49 | 3°56 | 8°46 | 16°R21 | T 23 |
| W24 | 2 30 14 | 6° 5'39 | 17°29 | 16°43 | 27°27 | 0♎12 | 21°32 | 15°54 | 19°55 | 1°21 | 7°33 | 2°47 | 3°53 | 8°53 | 16°21 | W24 |
| T 25 | 2 34 11 | 7° 6'11 | 1♐58 | 15°41 | 28°39 | 0°50 | 21°43 | 15°58 | 19°58 | 1°23 | 7°33 | 2°D46 | 3°50 | 8°59 | 16°21 | T 25 |
| F 26 | 2 38 8 | 8° 6'45 | 16°30 | 14°32 | 29°51 | 1°29 | 21°53 | 16° 2 | 20° 0 | 1°25 | 7°34 | 2°47 | 3°47 | 9° 6 | 16°20 | F 26 |
| S 27 | 2 42 4 | 9° 7'21 | 1♑ 2 | 13°16 | 1♎ 3 | 2° 7 | 22° 4 | 16° 6 | 20° 3 | 1°27 | 7°34 | 2°48 | 3°44 | 9°13 | 16°20 | S 27 |
| S 28 | 2 46 1 | 10° 7'57 | 15°27 | 11°56 | 2°16 | 2°45 | 22°15 | 16°10 | 20° 6 | 1°28 | 7°34 | 2°49 | 3°41 | 9°20 | 16°20 | S 28 |
| M29 | 2 49 57 | 11° 8'35 | 29°43 | 10°35 | 3°28 | 3°24 | 22°25 | 16°14 | 20° 9 | 1°30 | 7°34 | 2°50 | 3°37 | 9°26 | 16°19 | M29 |
| T 30 | 2 53 54 | 12° 9'14 | 13♒48 | 9°15 | 4°41 | 4° 2 | 22°36 | 16°18 | 20°11 | 1°32 | 7°35 | 2°R51 | 3°34 | 9°33 | 16°18 | T 30 |
| W31 | 2 57 50 | 13♏ 9'55 | 27♒41 | 7♏58 | 5♎54 | 4♎40 | 22♍46 | 16♉23 | 20♍14 | 1♎34 | 7♌35 | 2♊50 | 3♊31 | 9♋40 | 16♋18 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s11 | 25s50 | 3s37 | 15s56 | 2s26 | 11n57 | 0n34 | 6n49 | 1n11 | 6n10 | 1n 7 | 23s 1 | 0s16 | 5n10 | 0n44 | 1n13 | 1n34 | 26n49 | 8n35 | 21n 4 | 21n16 | 26n 6 | 16n51 | 5s48 |
| T 2 | 5 34 | 23 54 | 4 24 | 16 24 | 2 31 | 11 36 | 0 38 | 6 34 | 1 11 | 6 6 | 1 7 | 23 0 | 0 16 | 5 9 | 0 44 | 1 12 | 1 34 | 26 49 | 8 35 | 21 4 | 21 16 | 26 6 | 16 50 | 5 49 |
| W 3 | 5 57 | 20 31 | 4 54 | 16 52 | 2 36 | 11 14 | 0 42 | 6 19 | 1 11 | 6 1 | 1 7 | 23 0 | 0 16 | 5 8 | 0 44 | 1 11 | 1 34 | 26 50 | 8 35 | 21 3 | 21 15 | 26 6 | 16 49 | 5 49 |
| T 4 | 6 20 | 16 0 | 5 7 | 17 18 | 2 40 | 10 52 | 0 46 | 6 4 | 1 11 | 5 56 | 1 7 | 23 0 | 0 16 | 5 6 | 0 44 | 1 10 | 1 34 | 26 50 | 8 36 | 21 2 | 21 15 | 26 7 | 16 49 | 5 50 |
| F 5 | 6 43 | 10 42 | 5 2 | 17 43 | 2 44 | 10 30 | 0 49 | 5 49 | 1 11 | 5 52 | 1 8 | 23 0 | 0 16 | 5 5 | 0 44 | 1 9 | 1 34 | 26 50 | 8 36 | 21 1 | 21 14 | 26 7 | 16 48 | 5 51 |
| S 6 | 7 6 | 4 56 | 4 40 | 18 6 | 2 47 | 10 7 | 0 53 | 5 34 | 1 11 | 5 47 | 1 8 | 23 0 | 0 16 | 5 4 | 0 44 | 1 8 | 1 34 | 26 50 | 8 36 | 20 59 | 21 13 | 26 8 | 16 47 | 5 51 |
| S 7 | 7 29 | 0n57 | 4 2 | 18 28 | 2 50 | 9 45 | 0 56 | 5 19 | 1 11 | 5 42 | 1 8 | 23 0 | 0 16 | 5 2 | 0 44 | 1 8 | 1 34 | 26 50 | 8 36 | 20 58 | 21 13 | 26 8 | 16 46 | 5 52 |
| M 8 | 7 52 | 6 41 | 3 12 | 18 49 | 2 52 | 9 21 | 0 59 | 5 4 | 1 11 | 5 38 | 1 8 | 22 59 | 0 16 | 5 1 | 0 44 | 1 7 | 1 34 | 26 50 | 8 37 | 20 56 | 21 12 | 26 8 | 16 45 | 5 52 |
| T 9 | 8 15 | 12 3 | 2 14 | 19 7 | 2 54 | 8 58 | 1 2 | 4 49 | 1 11 | 5 33 | 1 8 | 22 59 | 0 16 | 5 0 | 0 44 | 1 6 | 1 34 | 26 50 | 8 37 | 20 55 | 21 12 | 26 9 | 16 45 | 5 53 |
| W10 | 8 38 | 16 47 | 1 10 | 19 24 | 2 55 | 8 34 | 1 6 | 4 33 | 1 11 | 5 29 | 1 8 | 22 59 | 0 16 | 4 58 | 0 44 | 1 5 | 1 34 | 26 50 | 8 37 | 20 55 | 21 11 | 26 9 | 16 44 | 5 54 |
| T 11 | 9 0 | 20 44 | 0 3 | 19 38 | 2 56 | 8 10 | 1 9 | 4 18 | 1 10 | 5 24 | 1 8 | 22 59 | 0 16 | 4 57 | 0 44 | 1 4 | 1 34 | 26 50 | 8 38 | 20 55 | 21 11 | 26 9 | 16 43 | 5 54 |
| F 12 | 9 22 | 23 42 | 1n 2 | 19 51 | 2 55 | 7 45 | 1 11 | 4 3 | 1 10 | 5 19 | 1 8 | 22 58 | 0 16 | 4 56 | 0 44 | 1 3 | 1 34 | 26 50 | 8 38 | 20 55 | 21 10 | 26 10 | 16 42 | 5 55 |
| S 13 | 9 44 | 25 35 | 2 4 | 20 1 | 2 54 | 7 20 | 1 14 | 3 48 | 1 10 | 5 15 | 1 9 | 22 58 | 0 17 | 4 55 | 0 44 | 1 3 | 1 34 | 26 50 | 8 38 | 20 55 | 21 9 | 26 10 | 16 42 | 5 56 |
| S 14 | 10 7 | 26 18 | 3 0 | 20 8 | 2 52 | 6 55 | 1 17 | 3 32 | 1 10 | 5 10 | 1 9 | 22 58 | 0 17 | 4 53 | 0 44 | 1 2 | 1 34 | 26 51 | 8 39 | 20 55 | 21 9 | 26 10 | 16 41 | 5 56 |
| M15 | 10 28 | 25 49 | 3 49 | 20 13 | 2 49 | 6 30 | 1 20 | 3 17 | 1 10 | 5 6 | 1 9 | 22 57 | 0 17 | 4 52 | 0 44 | 1 1 | 1 34 | 26 51 | 8 39 | 20 56 | 21 8 | 26 11 | 16 40 | 5 57 |
| T 16 | 10 50 | 24 9 | 4 28 | 20 15 | 2 45 | 6 4 | 1 22 | 3 2 | 1 10 | 5 2 | 1 9 | 22 57 | 0 17 | 4 51 | 0 44 | 1 0 | 1 34 | 26 51 | 8 39 | 20 56 | 21 8 | 26 11 | 16 39 | 5 58 |
| W17 | 11 12 | 21 23 | 4 55 | 20 13 | 2 39 | 5 39 | 1 25 | 2 46 | 1 10 | 4 57 | 1 9 | 22 57 | 0 17 | 4 50 | 0 44 | 0 59 | 1 34 | 26 51 | 8 40 | 20 55 | 21 7 | 26 11 | 16 39 | 5 58 |
| T 18 | 11 33 | 17 37 | 5 10 | 20 8 | 2 32 | 5 13 | 1 27 | 2 31 | 1 10 | 4 53 | 1 9 | 22 57 | 0 17 | 4 48 | 0 44 | 0 59 | 1 34 | 26 51 | 8 40 | 20 55 | 21 6 | 26 12 | 16 38 | 5 59 |
| F 19 | 11 54 | 13 0 | 5 11 | 19 59 | 2 24 | 4 46 | 1 29 | 2 16 | 1 10 | 4 48 | 1 9 | 22 56 | 0 17 | 4 47 | 0 44 | 0 58 | 1 34 | 26 51 | 8 40 | 20 54 | 21 6 | 26 12 | 16 37 | 5 59 |
| S 20 | 12 15 | 7 41 | 4 56 | 19 46 | 2 14 | 4 20 | 1 31 | 2 0 | 1 10 | 4 44 | 1 10 | 22 56 | 0 17 | 4 46 | 0 44 | 0 57 | 1 34 | 26 52 | 8 41 | 20 53 | 21 5 | 26 12 | 16 37 | 6 0 |
| S 21 | 12 36 | 1 53 | 4 24 | 19 29 | 2 2 | 3 53 | 1 34 | 1 45 | 1 9 | 4 40 | 1 10 | 22 55 | 0 17 | 4 45 | 0 44 | 0 56 | 1 34 | 26 52 | 8 41 | 20 52 | 21 5 | 26 13 | 16 36 | 6 1 |
| M22 | 12 57 | 4s11 | 3 37 | 19 7 | 1 49 | 3 26 | 1 36 | 1 29 | 1 9 | 4 36 | 1 10 | 22 55 | 0 17 | 4 44 | 0 44 | 0 56 | 1 34 | 26 52 | 8 41 | 20 51 | 21 4 | 26 13 | 16 35 | 6 1 |
| T 23 | 13 17 | 10 13 | 2 35 | 18 40 | 1 34 | 2 59 | 1 37 | 1 14 | 1 9 | 4 31 | 1 10 | 22 55 | 0 17 | 4 43 | 0 44 | 0 55 | 1 34 | 26 52 | 8 42 | 20 50 | 21 3 | 26 13 | 16 35 | 6 2 |
| W24 | 13 38 | 15 49 | 1 23 | 18 10 | 1 17 | 2 32 | 1 39 | 0 59 | 1 9 | 4 27 | 1 10 | 22 54 | 0 17 | 4 41 | 0 44 | 0 54 | 1 34 | 26 52 | 8 42 | 20 50 | 21 3 | 26 13 | 16 34 | 6 3 |
| T 25 | 13 58 | 20 36 | 0 4 | 17 34 | 0 59 | 2 5 | 1 41 | 0 43 | 1 9 | 4 23 | 1 10 | 22 54 | 0 17 | 4 40 | 0 44 | 0 53 | 1 34 | 26 53 | 8 42 | 20 50 | 21 2 | 26 14 | 16 34 | 6 3 |
| F 26 | 14 17 | 24 8 | 1s15 | 16 56 | 0 40 | 1 37 | 1 42 | 0 28 | 1 9 | 4 19 | 1 10 | 22 53 | 0 17 | 4 39 | 0 44 | 0 53 | 1 34 | 26 53 | 8 42 | 20 50 | 21 2 | 26 14 | 16 33 | 6 4 |
| S 27 | 14 37 | 26 4 | 2 29 | 16 14 | 0 20 | 1 10 | 1 44 | 0 12 | 1 9 | 4 15 | 1 11 | 22 53 | 0 17 | 4 38 | 0 44 | 0 52 | 1 34 | 26 53 | 8 43 | 20 50 | 21 1 | 26 14 | 16 32 | 6 4 |
| S 28 | 14 56 | 26 13 | 3 34 | 15 30 | 0n 1 | 0 42 | 1 45 | 0s 3 | 1 9 | 4 11 | 1 11 | 22 53 | 0 17 | 4 37 | 0 44 | 0 51 | 1 35 | 26 53 | 8 43 | 20 51 | 21 0 | 26 14 | 16 32 | 6 5 |
| M29 | 15 15 | 24 38 | 4 24 | 14 45 | 0 21 | 0 14 | 1 47 | 0 19 | 1 9 | 4 7 | 1 11 | 22 52 | 0 17 | 4 36 | 0 44 | 0 51 | 1 35 | 26 54 | 8 43 | 20 51 | 21 0 | 26 15 | 16 31 | 6 6 |
| T 30 | 15 34 | 21 32 | 4 58 | 14 0 | 0 41 | 0s13 | 1 48 | 0 34 | 1 8 | 4 3 | 1 11 | 22 52 | 0 17 | 4 35 | 0 44 | 0 50 | 1 35 | 26 54 | 8 44 | 20 51 | 20 59 | 26 15 | 16 31 | 6 6 |
| W31 | 15s53 | 17s15 | 5s14 | 13s17 | 1n 1 | 0s41 | 1n49 | 0s49 | 1n 8 | 3n59 | 1n11 | 22s51 | 0s17 | 4n34 | 0n44 | 0n49 | 1n35 | 26n54 | 8n44 | 20n51 | 20n59 | 26n15 | 16n30 | 6s 7 |

Julian Day Number = 2071971.5, Delta T = 27m50s
Ecliptic obliquity = 23°34'30, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'24, Lahiri = 9°22'25 Julian Calendar 1 Oct. 960 == Greg. Calendar 6 Oct. 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## NOVEMBER 960 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 1 47 | 14♏10'36 | 11♓20 | 6°R48 | 7♎ 6 | 5♎18 | 22♍56 | 16♑27 | 20♍17 | 1♎36 | 7♌35 | 2°R49 | 3♊28 | 9♋46 | 16°R17 | T 1 |
| F 2 | 3 5 43 | 15°11'18 | 24°45 | 5♏46 | 8°19 | 5°57 | 23° 7 | 16°32 | 20°19 | 1°37 | 7°35 | 2♊46 | 3°25 | 9°53 | 16♋16 | F 2 |
| S 3 | 3 9 40 | 16°12'02 | 7♈57 | 4°54 | 9°32 | 6°35 | 23°17 | 16°36 | 20°22 | 1°39 | 7°R35 | 2°44 | 3°22 | 10° 0 | 16°15 | S 3 |
| S 4 | 3 13 37 | 17°12'47 | 20°55 | 4°13 | 10°45 | 7°13 | 23°27 | 16°41 | 20°24 | 1°41 | 7°35 | 2°41 | 3°18 | 10° 6 | 16°14 | S 4 |
| M 5 | 3 17 33 | 18°13'33 | 3♉40 | 3°44 | 11°58 | 7°52 | 23°37 | 16°46 | 20°27 | 1°43 | 7°35 | 2°39 | 3°15 | 10°13 | 16°12 | M 5 |
| T 6 | 3 21 30 | 19°14'20 | 16°12 | 3°26 | 13°11 | 8°30 | 23°47 | 16°51 | 20°29 | 1°44 | 7°35 | 2°38 | 3°12 | 10°20 | 16°11 | T 6 |
| W 7 | 3 25 26 | 20°15'08 | 28°32 | 3°D19 | 14°24 | 9° 8 | 23°56 | 16°56 | 20°31 | 1°46 | 7°35 | 2°D38 | 3° 9 | 10°26 | 16°10 | W 7 |
| T 8 | 3 29 23 | 21°15'58 | 10♊41 | 3°24 | 15°38 | 9°46 | 24° 6 | 17° 1 | 20°34 | 1°47 | 7°34 | 2°38 | 3° 6 | 10°33 | 16° 8 | T 8 |
| F 9 | 3 33 19 | 22°16'50 | 22°41 | 3°38 | 16°51 | 10°25 | 24°15 | 17° 6 | 20°36 | 1°49 | 7°34 | 2°38 | 3° 2 | 10°40 | 16° 7 | F 9 |
| S 10 | 3 37 16 | 23°17'42 | 4♋33 | 4° 2 | 18° 4 | 11° 3 | 24°25 | 17°11 | 20°38 | 1°51 | 7°34 | 2°39 | 2°59 | 10°46 | 16° 5 | S 10 |
| S 11 | 3 41 12 | 24°18'36 | 16°23 | 4°34 | 19°18 | 11°41 | 24°34 | 17°16 | 20°40 | 1°52 | 7°34 | 2°40 | 2°56 | 10°53 | 16° 3 | S 11 |
| M12 | 3 45 9 | 25°19'31 | 28°12 | 5°14 | 20°31 | 12°20 | 24°43 | 17°21 | 20°43 | 1°54 | 7°34 | 2°41 | 2°53 | 11° 0 | 16° 1 | M12 |
| T 13 | 3 49 6 | 26°20'28 | 10♌ 5 | 6° 0 | 21°45 | 12°58 | 24°52 | 17°26 | 20°45 | 1°55 | 7°33 | 2°42 | 2°50 | 11° 6 | 15°59 | T 13 |
| W14 | 3 53 2 | 27°21'26 | 22° 7 | 6°52 | 22°59 | 13°36 | 25° 1 | 17°32 | 20°47 | 1°57 | 7°33 | 2°R42 | 2°47 | 11°13 | 15°57 | W14 |
| T 15 | 3 56 59 | 28°22'25 | 4♍23 | 7°49 | 24°12 | 14°15 | 25°10 | 17°37 | 20°49 | 1°58 | 7°33 | 2°42 | 2°43 | 11°20 | 15°55 | T 15 |
| F 16 | 4 0 55 | 29°23'25 | 16°56 | 8°51 | 25°26 | 14°53 | 25°19 | 17°43 | 20°51 | 1°59 | 7°33 | 2°42 | 2°40 | 11°26 | 15°53 | F 16 |
| S 17 | 4 4 52 | 0♐24'26 | 29°51 | 9°57 | 26°40 | 15°31 | 25°28 | 17°48 | 20°53 | 2° 1 | 7°32 | 2°42 | 2°37 | 11°33 | 15°51 | S 17 |
| S 18 | 4 8 48 | 1°25'29 | 13♎11 | 11° 6 | 27°54 | 16°10 | 25°36 | 17°54 | 20°54 | 2° 2 | 7°32 | 2°41 | 2°34 | 11°40 | 15°48 | S 18 |
| M19 | 4 12 45 | 2°26'33 | 26°57 | 12°18 | 29° 8 | 16°48 | 25°44 | 18° 0 | 20°56 | 2° 4 | 7°31 | 2°D41 | 2°31 | 11°46 | 15°46 | M19 |
| T 20 | 4 16 41 | 3°27'37 | 11♏ 8 | 13°33 | 0♏22 | 17°26 | 25°53 | 18° 5 | 20°58 | 2° 5 | 7°31 | 2°41 | 2°28 | 11°53 | 15°43 | T 20 |
| W21 | 4 20 38 | 4°28'43 | 25°41 | 14°49 | 1°36 | 18° 5 | 26° 1 | 18°11 | 21° 0 | 2° 6 | 7°30 | 2°R41 | 2°24 | 12° 0 | 15°41 | W21 |
| T 22 | 4 24 35 | 5°29'50 | 10♐31 | 16° 8 | 2°50 | 18°43 | 26° 9 | 18°17 | 21° 1 | 2° 7 | 7°30 | 2°41 | 2°21 | 12° 6 | 15°38 | T 22 |
| F 23 | 4 28 31 | 6°30'57 | 25°30 | 17°29 | 4° 4 | 19°21 | 26°17 | 18°23 | 21° 3 | 2° 9 | 7°29 | 2°41 | 2°18 | 12°13 | 15°35 | F 23 |
| S 24 | 4 32 28 | 7°32'05 | 10♑29 | 18°51 | 5°18 | 20° 0 | 26°24 | 18°29 | 21° 4 | 2°10 | 7°29 | 2°41 | 2°15 | 12°20 | 15°33 | S 24 |
| S 25 | 4 36 24 | 8°33'14 | 25°20 | 20°14 | 6°32 | 20°38 | 26°32 | 18°35 | 21° 6 | 2°11 | 7°28 | 2°40 | 2°12 | 12°26 | 15°30 | S 25 |
| M26 | 4 40 21 | 9°34'23 | 9♒56 | 21°38 | 7°46 | 21°16 | 26°39 | 18°41 | 21° 7 | 2°12 | 7°28 | 2°39 | 2° 8 | 12°33 | 15°27 | M26 |
| T 27 | 4 44 17 | 10°35'32 | 24°13 | 23° 3 | 9° 0 | 21°54 | 26°47 | 18°47 | 21° 9 | 2°13 | 7°27 | 2°39 | 2° 5 | 12°40 | 15°24 | T 27 |
| W28 | 4 48 14 | 11°36'41 | 8♓ 9 | 24°29 | 10°15 | 22°33 | 26°54 | 18°53 | 21°10 | 2°14 | 7°26 | 2°D38 | 2° 2 | 12°46 | 15°20 | W28 |
| T 29 | 4 52 10 | 12°37'51 | 21°43 | 25°56 | 11°29 | 23°11 | 27° 1 | 18°59 | 21°11 | 2°15 | 7°25 | 2°39 | 1°59 | 12°53 | 15°17 | T 29 |
| F 30 | 4 56 7 | 13♐39'00 | 4♈56 | 27♏23 | 12♏43 | 23♎49 | 27♍ 8 | 19♑ 6 | 21♍12 | 2♎16 | 7♌25 | 2♊39 | 1♊56 | 13♋ 0 | 15♋14 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s11 | 12s 9 | 5s12 | 12s38 | 1n19 | 1s 9 | 1n50 | 1s 5 | 1n 8 | 3n55 | 1n11 | 22s51 | 0s18 | 4n33 | 0n44 | 0n48 | 1n35 | 26n55 | 8n44 | 20n50 | 20n58 | 26n15 | 16n30 | 6s 8 |
| F 2 | 16 29 | 6 34 | 4 53 | 12 2 | 1 35 | 1 37 | 1 51 | 1 20 | 1 8 | 3 51 | 1 12 | 22 50 | 0 18 | 4 32 | 0 44 | 0 48 | 1 35 | 26 55 | 8 45 | 20 50 | 20 57 | 26 16 | 16 29 | 6 8 |
| S 3 | 16 47 | 0 47 | 4 18 | 11 31 | 1 49 | 2 5 | 1 52 | 1 35 | 1 8 | 3 47 | 1 12 | 22 50 | 0 18 | 4 31 | 0 44 | 0 47 | 1 35 | 26 55 | 8 45 | 20 49 | 20 57 | 26 16 | 16 29 | 6 9 |
| S 4 | 17 4 | 4n57 | 3 31 | 11 6 | 2 1 | 2 33 | 1 52 | 1 51 | 1 8 | 3 43 | 1 12 | 22 49 | 0 18 | 4 30 | 0 44 | 0 47 | 1 35 | 26 55 | 8 45 | 20 49 | 20 56 | 26 16 | 16 28 | 6 9 |
| M 5 | 17 21 | 10 24 | 2 34 | 10 46 | 2 12 | 3 1 | 1 53 | 2 6 | 1 7 | 3 39 | 1 12 | 22 49 | 0 18 | 4 29 | 0 44 | 0 46 | 1 35 | 26 56 | 8 46 | 20 49 | 20 56 | 26 16 | 16 28 | 6 10 |
| T 6 | 17 38 | 15 21 | 1 30 | 10 32 | 2 20 | 3 29 | 1 54 | 2 21 | 1 7 | 3 36 | 1 12 | 22 48 | 0 18 | 4 28 | 0 44 | 0 45 | 1 35 | 26 56 | 8 46 | 20 48 | 20 55 | 26 16 | 16 27 | 6 11 |
| W 7 | 17 55 | 19 35 | 0 23 | 10 24 | 2 26 | 3 58 | 1 54 | 2 37 | 1 7 | 3 32 | 1 13 | 22 47 | 0 18 | 4 27 | 0 44 | 0 45 | 1 35 | 26 56 | 8 46 | 20 48 | 20 54 | 26 16 | 16 27 | 6 11 |
| T 8 | 18 11 | 22 55 | 0n45 | 10 22 | 2 30 | 4 26 | 1 54 | 2 52 | 1 7 | 3 28 | 1 13 | 22 47 | 0 18 | 4 26 | 0 44 | 0 44 | 1 35 | 26 57 | 8 47 | 20 48 | 20 54 | 26 17 | 16 26 | 6 12 |
| F 9 | 18 27 | 25 11 | 1 49 | 10 24 | 2 33 | 4 54 | 1 55 | 3 7 | 1 7 | 3 25 | 1 13 | 22 46 | 0 18 | 4 26 | 0 44 | 0 43 | 1 35 | 26 57 | 8 47 | 20 48 | 20 53 | 26 17 | 16 26 | 6 12 |
| S 10 | 18 42 | 26 18 | 2 48 | 10 31 | 2 34 | 5 21 | 1 55 | 3 23 | 1 7 | 3 21 | 1 13 | 22 46 | 0 18 | 4 25 | 0 45 | 0 43 | 1 35 | 26 57 | 8 47 | 20 49 | 20 52 | 26 17 | 16 26 | 6 13 |
| S 11 | 18 57 | 26 12 | 3 40 | 10 42 | 2 34 | 5 49 | 1 55 | 3 38 | 1 6 | 3 17 | 1 13 | 22 45 | 0 18 | 4 24 | 0 45 | 0 42 | 1 35 | 26 58 | 8 48 | 20 49 | 20 52 | 26 17 | 16 25 | 6 13 |
| M12 | 19 12 | 24 55 | 4 22 | 10 56 | 2 33 | 6 17 | 1 55 | 3 53 | 1 6 | 3 14 | 1 14 | 22 44 | 0 18 | 4 23 | 0 45 | 0 42 | 1 35 | 26 58 | 8 48 | 20 49 | 20 51 | 26 17 | 16 25 | 6 14 |
| T 13 | 19 27 | 22 31 | 4 53 | 11 13 | 2 31 | 6 45 | 1 55 | 4 8 | 1 6 | 3 11 | 1 14 | 22 44 | 0 18 | 4 22 | 0 45 | 0 41 | 1 35 | 26 59 | 8 48 | 20 49 | 20 51 | 26 17 | 16 25 | 6 15 |
| W14 | 19 41 | 19 8 | 5 12 | 11 34 | 2 28 | 7 12 | 1 55 | 4 23 | 1 6 | 3 7 | 1 14 | 22 43 | 0 18 | 4 22 | 0 45 | 0 41 | 1 35 | 26 59 | 8 49 | 20 49 | 20 50 | 26 17 | 16 24 | 6 15 |
| T 15 | 19 55 | 14 53 | 5 17 | 11 56 | 2 24 | 7 40 | 1 54 | 4 38 | 1 6 | 3 4 | 1 14 | 22 43 | 0 18 | 4 21 | 0 45 | 0 40 | 1 35 | 26 59 | 8 49 | 20 49 | 20 49 | 26 18 | 16 24 | 6 16 |
| F 16 | 20 8 | 9 54 | 5 8 | 12 20 | 2 19 | 8 7 | 1 54 | 4 53 | 1 5 | 3 1 | 1 14 | 22 42 | 0 18 | 4 20 | 0 45 | 0 40 | 1 35 | 27 0 | 8 49 | 20 49 | 20 49 | 26 18 | 16 24 | 6 16 |
| S 17 | 20 21 | 4 23 | 4 43 | 12 45 | 2 14 | 8 34 | 1 54 | 5 9 | 1 5 | 2 57 | 1 15 | 22 41 | 0 18 | 4 19 | 0 45 | 0 39 | 1 35 | 27 0 | 8 50 | 20 49 | 20 48 | 26 18 | 16 23 | 6 17 |
| S 18 | 20 34 | 1s31 | 4 2 | 13 12 | 2 9 | 9 2 | 1 53 | 5 24 | 1 5 | 2 54 | 1 15 | 22 40 | 0 18 | 4 19 | 0 45 | 0 39 | 1 35 | 27 1 | 8 50 | 20 49 | 20 47 | 26 18 | 16 23 | 6 17 |
| M19 | 20 46 | 7 33 | 3 6 | 13 40 | 2 3 | 9 28 | 1 53 | 5 39 | 1 5 | 2 51 | 1 15 | 22 40 | 0 18 | 4 18 | 0 45 | 0 38 | 1 36 | 27 1 | 8 50 | 20 49 | 20 47 | 26 18 | 16 23 | 6 18 |
| T 20 | 20 58 | 13 24 | 1 57 | 14 9 | 1 56 | 9 55 | 1 52 | 5 53 | 1 4 | 2 48 | 1 15 | 22 39 | 0 19 | 4 17 | 0 45 | 0 38 | 1 36 | 27 1 | 8 50 | 20 49 | 20 46 | 26 18 | 16 23 | 6 18 |
| W21 | 21 9 | 18 40 | 0 39 | 14 38 | 1 50 | 10 22 | 1 51 | 6 8 | 1 4 | 2 45 | 1 15 | 22 38 | 0 19 | 4 17 | 0 45 | 0 37 | 1 36 | 27 2 | 8 51 | 20 49 | 20 46 | 26 18 | 16 22 | 6 19 |
| T 22 | 21 21 | 22 52 | 0s43 | 15 7 | 1 43 | 10 48 | 1 50 | 6 23 | 1 4 | 2 42 | 1 16 | 22 38 | 0 19 | 4 16 | 0 45 | 0 37 | 1 36 | 27 2 | 8 51 | 20 49 | 20 45 | 26 18 | 16 22 | 6 19 |
| F 23 | 21 31 | 25 33 | 2 3 | 15 37 | 1 36 | 11 14 | 1 49 | 6 38 | 1 4 | 2 39 | 1 16 | 22 37 | 0 19 | 4 15 | 0 45 | 0 36 | 1 36 | 27 3 | 8 51 | 20 49 | 20 44 | 26 18 | 16 22 | 6 20 |
| S 24 | 21 41 | 26 24 | 3 15 | 16 6 | 1 29 | 11 40 | 1 48 | 6 53 | 1 4 | 2 36 | 1 16 | 22 36 | 0 19 | 4 15 | 0 45 | 0 36 | 1 36 | 27 3 | 8 52 | 20 49 | 20 44 | 26 18 | 16 22 | 6 20 |
| S 25 | 21 51 | 25 20 | 4 13 | 16 36 | 1 21 | 12 5 | 1 47 | 7 7 | 1 3 | 2 33 | 1 16 | 22 35 | 0 19 | 4 14 | 0 45 | 0 36 | 1 36 | 27 4 | 8 52 | 20 49 | 20 43 | 26 18 | 16 22 | 6 21 |
| M26 | 22 1 | 22 33 | 4 53 | 17 5 | 1 14 | 12 30 | 1 46 | 7 22 | 1 3 | 2 30 | 1 17 | 22 35 | 0 19 | 4 14 | 0 45 | 0 35 | 1 36 | 27 4 | 8 52 | 20 49 | 20 42 | 26 18 | 16 22 | 6 21 |
| T 27 | 22 10 | 18 27 | 5 14 | 17 34 | 1 6 | 12 55 | 1 45 | 7 37 | 1 3 | 2 28 | 1 17 | 22 34 | 0 19 | 4 13 | 0 45 | 0 35 | 1 36 | 27 4 | 8 53 | 20 48 | 20 42 | 26 18 | 16 22 | 6 22 |
| W28 | 22 18 | 13 26 | 5 16 | 18 3 | 0 59 | 13 20 | 1 44 | 7 51 | 1 2 | 2 25 | 1 17 | 22 33 | 0 19 | 4 13 | 0 45 | 0 34 | 1 36 | 27 5 | 8 53 | 20 48 | 20 41 | 26 18 | 16 21 | 6 22 |
| T 29 | 22 26 | 7 53 | 5 0 | 18 31 | 0 51 | 13 45 | 1 42 | 8 6 | 1 2 | 2 22 | 1 17 | 22 32 | 0 19 | 4 12 | 0 45 | 0 34 | 1 36 | 27 5 | 8 53 | 20 48 | 20 41 | 26 18 | 16 21 | 6 23 |
| F 30 | 22s34 | 2s 8 | 4s28 | 18s59 | 0n44 | 14s 9 | 1n41 | 8s20 | 1n 2 | 2n20 | 1n18 | 22s31 | 0s19 | 4n12 | 0n45 | 0n34 | 1n36 | 27n 6 | 8n53 | 20n49 | 20n40 | 26n18 | 16n21 | 6s23 |

Julian Day Number = 2072002.5, Delta T = 27m49s
Ecliptic obliquity = 23°34'30, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'28, Lahiri = 9°22'29 Julian Calendar 1 Nov. 960 == Greg. Calendar 6 Nov. 960


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# ASTRODIENST EPHEMERIS for the year 960
# geocentric

## DECEMBER 960 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 0 4 | 14♐40'10 | 17♈51 | 28♏51 | 13♏58 | 24♎28 | 27♍15 | 19♑12 | 21♍14 | 2♎17 | 7°R24 | 2♊40 | 1♊53 | 13♋ 6 | 15°R11 | S 1 |
| S 2 | 5 4 0 | 15°41'20 | 0♉30 | 0♐20 | 15°12 | 25° 6 | 27°21 | 19°18 | 21°15 | 2°18 | 7♌23 | 2°41 | 1°49 | 13°13 | 15♋ 7 | S 2 |
| M 3 | 5 7 57 | 16°42'30 | 12°56 | 1°49 | 16°26 | 25°44 | 27°28 | 19°25 | 21°16 | 2°19 | 7°22 | 2°43 | 1°46 | 13°20 | 15° 4 | M 3 |
| T 4 | 5 11 53 | 17°43'40 | 25°10 | 3°18 | 17°41 | 26°22 | 27°34 | 19°31 | 21°17 | 2°20 | 7°22 | 2°43 | 1°43 | 13°27 | 15° 0 | T 4 |
| W 5 | 5 15 50 | 18°44'51 | 7♊16 | 4°48 | 18°55 | 27° 1 | 27°40 | 19°37 | 21°18 | 2°21 | 7°21 | 2°R43 | 1°40 | 13°33 | 14°57 | W 5 |
| T 6 | 5 19 46 | 19°46'02 | 19°15 | 6°18 | 20°10 | 27°39 | 27°46 | 19°44 | 21°19 | 2°22 | 7°20 | 2°43 | 1°37 | 13°40 | 14°53 | T 6 |
| F 7 | 5 23 43 | 20°47'12 | 1♋ 9 | 7°49 | 21°24 | 28°17 | 27°52 | 19°51 | 21°19 | 2°22 | 7°19 | 2°41 | 1°34 | 13°47 | 14°50 | F 7 |
| S 8 | 5 27 40 | 21°48'24 | 13° 0 | 9°20 | 22°39 | 28°56 | 27°58 | 19°57 | 21°20 | 2°23 | 7°18 | 2°38 | 1°30 | 13°53 | 14°46 | S 8 |
| S 9 | 5 31 36 | 22°49'35 | 24°50 | 10°51 | 23°53 | 29°34 | 28° 3 | 20° 4 | 21°21 | 2°24 | 7°17 | 2°35 | 1°27 | 14° 0 | 14°42 | S 9 |
| M10 | 5 35 33 | 23°50'47 | 6♌41 | 12°23 | 25° 8 | 0♏12 | 28° 9 | 20°10 | 21°22 | 2°24 | 7°16 | 2°31 | 1°24 | 14° 7 | 14°38 | M10 |
| T 11 | 5 39 29 | 24°51'58 | 18°35 | 13°55 | 26°23 | 0°50 | 28°14 | 20°17 | 21°22 | 2°25 | 7°15 | 2°28 | 1°21 | 14°13 | 14°35 | T 11 |
| W12 | 5 43 26 | 25°53'10 | 0♍37 | 15°27 | 27°37 | 1°29 | 28°19 | 20°24 | 21°23 | 2°26 | 7°14 | 2°25 | 1°18 | 14°20 | 14°31 | W12 |
| T 13 | 5 47 22 | 26°54'23 | 12°51 | 17° 0 | 28°52 | 2° 7 | 28°24 | 20°31 | 21°23 | 2°26 | 7°13 | 2°22 | 1°14 | 14°27 | 14°27 | T 13 |
| F 14 | 5 51 19 | 27°55'35 | 25°19 | 18°33 | 0♐ 6 | 2°45 | 28°29 | 20°37 | 21°24 | 2°27 | 7°12 | 2°D22 | 1°11 | 14°33 | 14°23 | F 14 |
| S 15 | 5 55 15 | 28°56'47 | 8♎ 6 | 20° 6 | 1°21 | 3°24 | 28°33 | 20°44 | 21°24 | 2°27 | 7°11 | 2°22 | 1° 8 | 14°40 | 14°19 | S 15 |
| S 16 | 5 59 12 | 29°58'00 | 21°17 | 21°40 | 2°36 | 4° 2 | 28°38 | 20°51 | 21°24 | 2°28 | 7°10 | 2°23 | 1° 5 | 14°47 | 14°15 | S 16 |
| M17 | 6 3 9 | 0♑59'13 | 4♏53 | 23°14 | 3°51 | 4°40 | 28°42 | 20°58 | 21°25 | 2°28 | 7° 9 | 2°25 | 1° 2 | 14°53 | 14°11 | M17 |
| T 18 | 6 7 5 | 2° 0'25 | 18°58 | 24°49 | 5° 5 | 5°18 | 28°46 | 21° 5 | 21°25 | 2°29 | 7° 8 | 2°26 | 0°59 | 15° 0 | 14° 6 | T 18 |
| W19 | 6 11 2 | 3° 1'38 | 3♐29 | 26°24 | 6°20 | 5°57 | 28°50 | 21°12 | 21°25 | 2°29 | 7° 7 | 2°R27 | 0°55 | 15° 7 | 14° 2 | W19 |
| T 20 | 6 14 58 | 4° 2'51 | 18°23 | 27°59 | 7°35 | 6°35 | 28°54 | 21°19 | 21°25 | 2°29 | 7° 5 | 2°26 | 0°52 | 15°13 | 13°58 | T 20 |
| F 21 | 6 18 55 | 5° 4'04 | 3♑33 | 29°35 | 8°50 | 7°13 | 28°57 | 21°26 | 21°R25 | 2°30 | 7° 4 | 2°23 | 0°49 | 15°20 | 13°54 | F 21 |
| S 22 | 6 22 51 | 6° 5'16 | 18°50 | 1♑11 | 10° 4 | 7°51 | 29° 1 | 21°33 | 21°25 | 2°30 | 7° 3 | 2°19 | 0°46 | 15°27 | 13°50 | S 22 |
| S 23 | 6 26 48 | 7° 6'28 | 4♒ 2 | 2°48 | 11°19 | 8°29 | 29° 4 | 21°40 | 21°25 | 2°30 | 7° 2 | 2°14 | 0°43 | 15°34 | 13°46 | S 23 |
| M24 | 6 30 44 | 8° 7'39 | 19° 0 | 4°25 | 12°34 | 9° 8 | 29° 7 | 21°47 | 21°25 | 2°30 | 7° 1 | 2° 8 | 0°40 | 15°40 | 13°41 | M24 |
| T 25 | 6 34 41 | 9° 8'49 | 3♓36 | 6° 3 | 13°49 | 9°46 | 29°10 | 21°54 | 21°25 | 2°30 | 6°59 | 2° 3 | 0°36 | 15°47 | 13°37 | T 25 |
| W26 | 6 38 38 | 10° 9'58 | 17°45 | 7°41 | 15° 3 | 10°24 | 29°12 | 22° 1 | 21°25 | 2°31 | 6°58 | 2° 0 | 0°33 | 15°54 | 13°33 | W26 |
| T 27 | 6 42 34 | 11°11'07 | 1♈26 | 9°20 | 16°18 | 11° 2 | 29°15 | 22° 8 | 21°24 | 2°31 | 6°57 | 1°58 | 0°30 | 16° 0 | 13°29 | T 27 |
| F 28 | 6 46 31 | 12°12'14 | 14°40 | 10°59 | 17°33 | 11°40 | 29°17 | 22°15 | 21°24 | 2°31 | 6°56 | 1°D57 | 0°27 | 16° 7 | 13°24 | F 28 |
| S 29 | 6 50 27 | 13°13'21 | 27°30 | 12°39 | 18°48 | 12°18 | 29°19 | 22°22 | 21°24 | 2°R31 | 6°54 | 1°58 | 0°24 | 16°14 | 13°20 | S 29 |
| S 30 | 6 54 24 | 14°14'26 | 10♉ 0 | 14°19 | 20° 3 | 12°56 | 29°21 | 22°29 | 21°23 | 2°31 | 6°53 | 2° 0 | 0°20 | 16°20 | 13°16 | S 30 |
| M31 | 6 58 20 | 15♑15'31 | 22♉15 | 16♑ 0 | 21♐17 | 13♏35 | 29♍23 | 22♑36 | 21♍23 | 2♎31 | 6♌52 | 2♊ 1 | 0♊17 | 16♋27 | 13♋11 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s41 | 3n36 | 3s44 | 19s26 | 0n36 | 14s32 | 1n39 | 8s35 | 1n 2 | 2n17 | 1n18 | 22s30 | 0s19 | 4n11 | 0n45 | 0n33 | 1n36 | 27n 6 | 8n54 | 20n49 | 20n39 | 26n18 | 16n21 | 6s23 |
| S 2 | 22 48 | 9 4 | 2 49 | 19 52 | 0 29 | 14 56 | 1 38 | 8 49 | 1 1 | 2 15 | 1 18 | 22 30 | 0 19 | 4 11 | 0 45 | 0 33 | 1 36 | 27 7 | 8 54 | 20 49 | 20 39 | 26 18 | 16 21 | 6 24 |
| M 3 | 22 54 | 14 6 | 1 47 | 20 17 | 0 21 | 15 19 | 1 36 | 9 3 | 1 1 | 2 13 | 1 18 | 22 29 | 0 19 | 4 11 | 0 45 | 0 33 | 1 36 | 27 7 | 8 54 | 20 49 | 20 38 | 26 18 | 16 21 | 6 24 |
| T 4 | 23 0 | 18 29 | 0 42 | 20 42 | 0 14 | 15 41 | 1 35 | 9 17 | 1 1 | 2 10 | 1 19 | 22 28 | 0 19 | 4 10 | 0 45 | 0 32 | 1 36 | 27 8 | 8 55 | 20 49 | 20 37 | 26 18 | 16 21 | 6 25 |
| W 5 | 23 6 | 22 4 | 0n25 | 21 6 | 0 7 | 16 4 | 1 33 | 9 32 | 1 0 | 2 8 | 1 19 | 22 27 | 0 19 | 4 10 | 0 45 | 0 32 | 1 36 | 27 8 | 8 55 | 20 49 | 20 37 | 26 18 | 16 21 | 6 25 |
| T 6 | 23 11 | 24 38 | 1 30 | 21 29 | 0s 0 | 16 25 | 1 31 | 9 46 | 1 0 | 2 6 | 1 19 | 22 26 | 0 19 | 4 10 | 0 46 | 0 32 | 1 36 | 27 9 | 8 55 | 20 49 | 20 36 | 26 18 | 16 21 | 6 25 |
| F 7 | 23 15 | 26 5 | 2 31 | 21 51 | 0 7 | 16 47 | 1 29 | 10 0 | 1 0 | 2 4 | 1 19 | 22 25 | 0 19 | 4 9 | 0 46 | 0 32 | 1 37 | 27 9 | 8 55 | 20 49 | 20 35 | 26 18 | 16 21 | 6 26 |
| S 8 | 23 19 | 26 20 | 3 24 | 22 13 | 0 14 | 17 8 | 1 27 | 10 14 | 1 0 | 2 2 | 1 20 | 22 24 | 0 20 | 4 9 | 0 46 | 0 31 | 1 37 | 27 10 | 8 56 | 20 48 | 20 35 | 26 18 | 16 21 | 6 26 |
| S 9 | 23 23 | 25 22 | 4 9 | 22 33 | 0 21 | 17 28 | 1 25 | 10 28 | 0 59 | 2 0 | 1 20 | 22 23 | 0 20 | 4 9 | 0 46 | 0 31 | 1 37 | 27 10 | 8 56 | 20 48 | 20 34 | 26 18 | 16 21 | 6 26 |
| M10 | 23 26 | 23 16 | 4 43 | 22 52 | 0 28 | 17 49 | 1 23 | 10 41 | 0 59 | 1 58 | 1 20 | 22 22 | 0 20 | 4 9 | 0 46 | 0 31 | 1 37 | 27 11 | 8 56 | 20 47 | 20 33 | 26 18 | 16 21 | 6 27 |
| T 11 | 23 28 | 20 10 | 5 5 | 23 10 | 0 34 | 18 8 | 1 21 | 10 55 | 0 59 | 1 56 | 1 20 | 22 21 | 0 20 | 4 8 | 0 46 | 0 31 | 1 37 | 27 11 | 8 56 | 20 46 | 20 33 | 26 18 | 16 21 | 6 27 |
| W12 | 23 31 | 16 12 | 5 14 | 23 27 | 0 41 | 18 27 | 1 19 | 11 9 | 0 58 | 1 54 | 1 21 | 22 21 | 0 20 | 4 8 | 0 46 | 0 31 | 1 37 | 27 12 | 8 57 | 20 46 | 20 32 | 26 18 | 16 22 | 6 27 |
| T 13 | 23 32 | 11 32 | 5 9 | 23 43 | 0 47 | 18 46 | 1 17 | 11 22 | 0 58 | 1 52 | 1 21 | 22 20 | 0 20 | 4 8 | 0 46 | 0 30 | 1 37 | 27 12 | 8 57 | 20 45 | 20 32 | 26 18 | 16 22 | 6 28 |
| F 14 | 23 34 | 6 18 | 4 50 | 23 58 | 0 53 | 19 4 | 1 15 | 11 36 | 0 57 | 1 51 | 1 21 | 22 19 | 0 20 | 4 8 | 0 46 | 0 30 | 1 37 | 27 13 | 8 57 | 20 45 | 20 31 | 26 17 | 16 22 | 6 28 |
| S 15 | 23 34 | 0 41 | 4 15 | 24 11 | 0 59 | 19 22 | 1 13 | 11 49 | 0 57 | 1 49 | 1 21 | 22 18 | 0 20 | 4 8 | 0 46 | 0 30 | 1 37 | 27 13 | 8 57 | 20 45 | 20 30 | 26 17 | 16 22 | 6 28 |
| S 16 | 23 34 | 5s 9 | 3 27 | 24 23 | 1 5 | 19 39 | 1 10 | 12 3 | 0 57 | 1 48 | 1 22 | 22 17 | 0 20 | 4 8 | 0 46 | 0 30 | 1 37 | 27 14 | 8 58 | 20 45 | 20 30 | 26 17 | 16 22 | 6 29 |
| M17 | 23 34 | 10 56 | 2 25 | 24 34 | 1 10 | 19 55 | 1 8 | 12 16 | 0 56 | 1 46 | 1 22 | 22 16 | 0 20 | 4 8 | 0 46 | 0 30 | 1 37 | 27 14 | 8 58 | 20 46 | 20 29 | 26 17 | 16 22 | 6 29 |
| T 18 | 23 34 | 16 23 | 1 13 | 24 44 | 1 16 | 20 12 | 1 6 | 12 29 | 0 56 | 1 45 | 1 22 | 22 15 | 0 20 | 4 8 | 0 46 | 0 30 | 1 37 | 27 15 | 8 58 | 20 46 | 20 28 | 26 17 | 16 22 | 6 29 |
| W19 | 23 32 | 21 4 | 0s 6 | 24 52 | 1 21 | 20 27 | 1 3 | 12 42 | 0 56 | 1 44 | 1 23 | 22 14 | 0 20 | 4 8 | 0 46 | 0 30 | 1 37 | 27 15 | 8 58 | 20 46 | 20 28 | 26 17 | 16 23 | 6 29 |
| T 20 | 23 31 | 24 30 | 1 26 | 24 59 | 1 26 | 20 42 | 1 1 | 12 55 | 0 55 | 1 42 | 1 23 | 22 13 | 0 20 | 4 8 | 0 46 | 0 30 | 1 37 | 27 16 | 8 59 | 20 46 | 20 27 | 26 17 | 16 23 | 6 29 |
| F 21 | 23 29 | 26 13 | 2 42 | 25 5 | 1 30 | 20 56 | 0 58 | 13 8 | 0 55 | 1 41 | 1 23 | 22 12 | 0 20 | 4 8 | 0 46 | 0 29 | 1 37 | 27 16 | 8 59 | 20 45 | 20 26 | 26 17 | 16 23 | 6 30 |
| S 22 | 23 26 | 25 59 | 3 46 | 25 9 | 1 35 | 21 10 | 0 56 | 13 21 | 0 54 | 1 40 | 1 23 | 22 11 | 0 20 | 4 8 | 0 46 | 0 29 | 1 37 | 27 17 | 8 59 | 20 45 | 20 26 | 26 16 | 16 23 | 6 30 |
| S 23 | 23 23 | 23 48 | 4 35 | 25 12 | 1 39 | 21 23 | 0 53 | 13 34 | 0 54 | 1 39 | 1 24 | 22 9 | 0 20 | 4 8 | 0 46 | 0 29 | 1 38 | 27 18 | 8 59 | 20 44 | 20 25 | 26 16 | 16 24 | 6 30 |
| M24 | 23 19 | 20 0 | 5 3 | 25 13 | 1 43 | 21 35 | 0 51 | 13 46 | 0 54 | 1 38 | 1 24 | 22 8 | 0 21 | 4 8 | 0 46 | 0 29 | 1 38 | 27 18 | 8 59 | 20 42 | 20 24 | 26 16 | 16 24 | 6 30 |
| T 25 | 23 15 | 15 4 | 5 11 | 25 12 | 1 46 | 21 47 | 0 48 | 13 59 | 0 53 | 1 37 | 1 24 | 22 7 | 0 21 | 4 8 | 0 46 | 0 29 | 1 38 | 27 19 | 9 0 | 20 41 | 20 24 | 26 16 | 16 24 | 6 30 |
| W26 | 23 11 | 9 27 | 5 0 | 25 11 | 1 50 | 21 58 | 0 46 | 14 11 | 0 53 | 1 36 | 1 24 | 22 6 | 0 21 | 4 8 | 0 46 | 0 29 | 1 38 | 27 19 | 9 0 | 20 41 | 20 23 | 26 16 | 16 24 | 6 30 |
| T 27 | 23 6 | 3 34 | 4 31 | 25 7 | 1 53 | 22 9 | 0 43 | 14 24 | 0 52 | 1 36 | 1 25 | 22 5 | 0 21 | 4 8 | 0 46 | 0 29 | 1 38 | 27 20 | 9 0 | 20 40 | 20 22 | 26 15 | 16 25 | 6 31 |
| F 28 | 23 1 | 2n18 | 3 49 | 25 2 | 1 55 | 22 19 | 0 41 | 14 36 | 0 52 | 1 35 | 1 25 | 22 4 | 0 21 | 4 8 | 0 46 | 0 29 | 1 38 | 27 20 | 9 0 | 20 40 | 20 22 | 26 15 | 16 25 | 6 31 |
| S 29 | 22 55 | 7 54 | 2 56 | 24 55 | 1 58 | 22 28 | 0 38 | 14 48 | 0 51 | 1 35 | 1 25 | 22 3 | 0 21 | 4 9 | 0 46 | 0 29 | 1 38 | 27 21 | 9 0 | 20 40 | 20 21 | 26 15 | 16 25 | 6 31 |
| S 30 | 22 49 | 13 3 | 1 57 | 24 47 | 2 0 | 22 37 | 0 35 | 15 0 | 0 51 | 1 34 | 1 26 | 22 2 | 0 21 | 4 9 | 0 47 | 0 30 | 1 38 | 27 21 | 9 1 | 20 41 | 20 20 | 26 15 | 16 26 | 6 31 |
| M31 | 22s42 | 17n35 | 0s53 | 24s37 | 2s 1 | 22s45 | 0n33 | 15s12 | 0n50 | 1n34 | 1n26 | 22s 1 | 0s21 | 4n 9 | 0n47 | 0n30 | 1n38 | 27n22 | 9n 1 | 20n41 | 20n20 | 26n15 | 16n26 | 6s31 |

Julian Day Number = 2072032.5, Delta T = 27m49s
Ecliptic obliquity = 23°34'30, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'33, Lahiri = 9°22'33 Julian Calendar 1 Dec. 960 == Greg. Calendar 6 Dec. 960


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## JANUARY 961 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 2 17 | 16♑16'35 | 4♊18 | 17♑42 | 22♐32 | 14♏13 | 29♍24 | 22♑43 | 21°R22 | 2°R31 | 6°R50 | 2°R 1 | 0♊14 | 16♋34 | 13°R 7 | T 1 |
| W 2 | 7 6 13 | 17°17'38 | 16°14 | 19°24 | 23°47 | 14°51 | 29°26 | 22°51 | 21♍21 | 2♎30 | 6♌49 | 2♊ 0 | 0°11 | 16°40 | 13♋ 3 | W 2 |
| T 3 | 7 10 10 | 18°18'40 | 28° 5 | 21° 6 | 25° 2 | 15°29 | 29°27 | 22°58 | 21°21 | 2°30 | 6°48 | 1°57 | 0° 8 | 16°47 | 12°59 | T 3 |
| F 4 | 7 14 7 | 19°19'41 | 9♋55 | 22°49 | 26°17 | 16° 7 | 29°28 | 23° 5 | 21°20 | 2°30 | 6°46 | 1°51 | 0° 5 | 16°54 | 12°54 | F 4 |
| S 5 | 7 18 3 | 20°20'41 | 21°45 | 24°33 | 27°32 | 16°45 | 29°29 | 23°12 | 21°19 | 2°30 | 6°45 | 1°43 | 0° 1 | 17° 0 | 12°50 | S 5 |
| S 6 | 7 22 0 | 21°21'40 | 3♌37 | 26°17 | 28°46 | 17°23 | 29°29 | 23°19 | 21°18 | 2°30 | 6°44 | 1°33 | 29♉58 | 17° 7 | 12°46 | S 6 |
| M 7 | 7 25 56 | 22°22'38 | 15°33 | 28° 2 | 0♑ 1 | 18° 1 | 29°30 | 23°26 | 21°17 | 2°29 | 6°42 | 1°23 | 29°55 | 17°14 | 12°42 | M 7 |
| T 8 | 7 29 53 | 23°23'35 | 27°34 | 29°47 | 1°16 | 18°39 | 29°30 | 23°34 | 21°16 | 2°29 | 6°41 | 1°13 | 29°52 | 17°21 | 12°37 | T 8 |
| W 9 | 7 33 49 | 24°24'31 | 9♍42 | 1♒33 | 2°31 | 19°17 | 29°R30 | 23°41 | 21°15 | 2°29 | 6°39 | 1° 4 | 29°49 | 17°27 | 12°33 | W 9 |
| T 10 | 7 37 46 | 25°25'26 | 21°59 | 3°18 | 3°46 | 19°55 | 29°30 | 23°48 | 21°14 | 2°28 | 6°38 | 0°56 | 29°46 | 17°34 | 12°29 | T 10 |
| F 11 | 7 41 43 | 26°26'21 | 4♎28 | 5° 4 | 5° 1 | 20°33 | 29°29 | 23°55 | 21°13 | 2°28 | 6°37 | 0°51 | 29°42 | 17°41 | 12°25 | F 11 |
| S 12 | 7 45 39 | 27°27'14 | 17°12 | 6°51 | 6°15 | 21°11 | 29°29 | 24° 2 | 21°12 | 2°27 | 6°35 | 0°49 | 29°39 | 17°47 | 12°21 | S 12 |
| S 13 | 7 49 36 | 28°28'07 | 0♏15 | 8°37 | 7°30 | 21°49 | 29°28 | 24° 9 | 21°11 | 2°27 | 6°34 | 0°D48 | 29°36 | 17°54 | 12°17 | S 13 |
| M14 | 7 53 32 | 29°28'59 | 13°41 | 10°23 | 8°45 | 22°27 | 29°27 | 24°17 | 21°10 | 2°26 | 6°32 | 0°49 | 29°33 | 18° 1 | 12°13 | M14 |
| T 15 | 7 57 29 | 0♒29'50 | 27°32 | 12° 8 | 10° 0 | 23° 5 | 29°26 | 24°24 | 21° 8 | 2°26 | 6°31 | 0°R49 | 29°30 | 18° 7 | 12° 9 | T 15 |
| W16 | 8 1 25 | 1°30'40 | 11♐48 | 13°54 | 11°15 | 23°43 | 29°25 | 24°31 | 21° 7 | 2°25 | 6°29 | 0°49 | 29°26 | 18°14 | 12° 5 | W16 |
| T 17 | 8 5 22 | 2°31'29 | 26°30 | 15°38 | 12°30 | 24°21 | 29°23 | 24°38 | 21° 6 | 2°25 | 6°28 | 0°47 | 29°23 | 18°21 | 12° 1 | T 17 |
| F 18 | 8 9 18 | 3°32'17 | 11♑32 | 17°21 | 13°45 | 24°59 | 29°21 | 24°45 | 21° 4 | 2°24 | 6°26 | 0°41 | 29°20 | 18°27 | 11°57 | F 18 |
| S 19 | 8 13 15 | 4°33'04 | 26°46 | 19° 2 | 14°59 | 25°36 | 29°19 | 24°52 | 21° 3 | 2°23 | 6°25 | 0°34 | 29°17 | 18°34 | 11°53 | S 19 |
| S 20 | 8 17 12 | 5°33'49 | 12♒ 3 | 20°42 | 16°14 | 26°14 | 29°17 | 24°59 | 21° 1 | 2°23 | 6°24 | 0°24 | 29°14 | 18°41 | 11°49 | S 20 |
| M21 | 8 21 8 | 6°34'33 | 27°10 | 22°19 | 17°29 | 26°52 | 29°15 | 25° 7 | 21° 0 | 2°22 | 6°22 | 0°14 | 29°11 | 18°47 | 11°46 | M21 |
| T 22 | 8 25 5 | 7°35'15 | 11♓58 | 23°54 | 18°44 | 27°30 | 29°13 | 25°14 | 20°58 | 2°21 | 6°21 | 0° 4 | 29° 7 | 18°54 | 11°42 | T 22 |
| W23 | 8 29 1 | 8°35'55 | 26°20 | 25°24 | 19°59 | 28° 8 | 29°10 | 25°21 | 20°56 | 2°20 | 6°19 | 29♉55 | 29° 4 | 19° 1 | 11°38 | W23 |
| T 24 | 8 32 58 | 9°36'34 | 10♈12 | 26°51 | 21°14 | 28°45 | 29° 7 | 25°28 | 20°55 | 2°20 | 6°18 | 29°49 | 29° 1 | 19° 8 | 11°35 | T 24 |
| F 25 | 8 36 54 | 10°37'11 | 23°33 | 28°14 | 22°28 | 29°23 | 29° 4 | 25°35 | 20°53 | 2°19 | 6°16 | 29°46 | 28°58 | 19°14 | 11°31 | F 25 |
| S 26 | 8 40 51 | 11°37'46 | 6♉27 | 29°30 | 23°43 | 0♐ 1 | 29° 1 | 25°42 | 20°51 | 2°18 | 6°15 | 29°D44 | 28°55 | 19°21 | 11°28 | S 26 |
| S 27 | 8 44 47 | 12°38'19 | 18°58 | 0♓41 | 24°58 | 0°38 | 28°58 | 25°49 | 20°49 | 2°17 | 6°13 | 29°44 | 28°52 | 19°28 | 11°24 | S 27 |
| M28 | 8 48 44 | 13°38'51 | 1♊10 | 1°45 | 26°13 | 1°16 | 28°54 | 25°56 | 20°48 | 2°16 | 6°12 | 29°R45 | 28°48 | 19°34 | 11°21 | M28 |
| T 29 | 8 52 41 | 14°39'20 | 13°10 | 2°42 | 27°27 | 1°54 | 28°50 | 26° 3 | 20°46 | 2°15 | 6°10 | 29°44 | 28°45 | 19°41 | 11°18 | T 29 |
| W30 | 8 56 37 | 15°39'48 | 25° 2 | 3°30 | 28°42 | 2°31 | 28°47 | 26°10 | 20°44 | 2°14 | 6° 9 | 29°41 | 28°42 | 19°48 | 11°14 | W30 |
| T 31 | 9 0 34 | 16♒40'14 | 6♋51 | 4♓10 | 29♑57 | 3♐ 9 | 28♍42 | 26♑16 | 20♍42 | 2♎13 | 6♌ 8 | 29♉36 | 28♉39 | 19♋54 | 11♋11 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s35 | 21n20 | 0n12 | 24s25 | 2s 3 | 22s52 | 0n30 | 15s24 | 0n50 | 1n33 | 1n26 | 22s 0 | 0s21 | 4n 9 | 0n47 | 0n30 | 1n38 | 27n22 | 9n 1 | 20n41 | 20n19 | 26n14 | 16n26 | 6s31 |
| W 2 | 22 27 | 24 7 | 1 16 | 24 12 | 2 3 | 22 58 | 0 27 | 15 36 | 0 49 | 1 33 | 1 26 | 21 59 | 0 21 | 4 10 | 0 47 | 0 30 | 1 38 | 27 23 | 9 1 | 20 41 | 20 18 | 26 14 | 16 27 | 6 31 |
| T 3 | 22 19 | 25 50 | 2 16 | 23 57 | 2 4 | 23 4 | 0 25 | 15 47 | 0 49 | 1 33 | 1 27 | 21 57 | 0 21 | 4 10 | 0 47 | 0 30 | 1 38 | 27 23 | 9 1 | 20 40 | 20 18 | 26 14 | 16 27 | 6 31 |
| F 4 | 22 10 | 26 21 | 3 10 | 23 40 | 2 4 | 23 9 | 0 22 | 15 59 | 0 48 | 1 33 | 1 27 | 21 56 | 0 21 | 4 10 | 0 47 | 0 30 | 1 38 | 27 24 | 9 1 | 20 39 | 20 17 | 26 14 | 16 27 | 6 31 |
| S 5 | 22 1 | 25 41 | 3 55 | 23 21 | 2 4 | 23 14 | 0 19 | 16 10 | 0 48 | 1 33 | 1 27 | 21 55 | 0 21 | 4 11 | 0 47 | 0 30 | 1 38 | 27 24 | 9 2 | 20 37 | 20 16 | 26 13 | 16 28 | 6 31 |
| S 6 | 21 52 | 23 50 | 4 31 | 23 1 | 2 3 | 23 17 | 0 17 | 16 22 | 0 47 | 1 33 | 1 28 | 21 54 | 0 21 | 4 11 | 0 47 | 0 30 | 1 38 | 27 25 | 9 2 | 20 35 | 20 16 | 26 13 | 16 28 | 6 31 |
| M 7 | 21 42 | 20 56 | 4 54 | 22 39 | 2 1 | 23 20 | 0 14 | 16 33 | 0 47 | 1 33 | 1 28 | 21 53 | 0 21 | 4 11 | 0 47 | 0 31 | 1 38 | 27 25 | 9 2 | 20 33 | 20 15 | 26 13 | 16 29 | 6 31 |
| T 8 | 21 32 | 17 9 | 5 5 | 22 15 | 1 59 | 23 23 | 0 11 | 16 44 | 0 46 | 1 33 | 1 28 | 21 52 | 0 22 | 4 12 | 0 47 | 0 31 | 1 38 | 27 26 | 9 2 | 20 31 | 20 14 | 26 12 | 16 29 | 6 31 |
| W 9 | 21 22 | 12 38 | 5 2 | 21 50 | 1 57 | 23 24 | 0 9 | 16 55 | 0 46 | 1 33 | 1 28 | 21 50 | 0 22 | 4 12 | 0 47 | 0 31 | 1 39 | 27 26 | 9 2 | 20 29 | 20 14 | 26 12 | 16 29 | 6 31 |
| T 10 | 21 10 | 7 34 | 4 46 | 21 22 | 1 54 | 23 25 | 0 6 | 17 6 | 0 45 | 1 33 | 1 29 | 21 49 | 0 22 | 4 13 | 0 47 | 0 31 | 1 39 | 27 27 | 9 2 | 20 28 | 20 13 | 26 12 | 16 30 | 6 31 |
| F 11 | 20 59 | 2 7 | 4 15 | 20 53 | 1 50 | 23 25 | 0 3 | 17 16 | 0 45 | 1 34 | 1 29 | 21 48 | 0 22 | 4 13 | 0 47 | 0 31 | 1 39 | 27 27 | 9 2 | 20 27 | 20 12 | 26 12 | 16 30 | 6 31 |
| S 12 | 20 47 | 3s32 | 3 32 | 20 22 | 1 46 | 23 25 | 0 1 | 17 27 | 0 44 | 1 34 | 1 29 | 21 47 | 0 22 | 4 14 | 0 47 | 0 32 | 1 39 | 27 28 | 9 2 | 20 26 | 20 11 | 26 11 | 16 31 | 6 31 |
| S 13 | 20 35 | 9 11 | 2 36 | 19 50 | 1 41 | 23 24 | 0s 2 | 17 37 | 0 43 | 1 35 | 1 30 | 21 46 | 0 22 | 4 14 | 0 47 | 0 32 | 1 39 | 27 28 | 9 3 | 20 26 | 20 11 | 26 11 | 16 31 | 6 31 |
| M14 | 20 22 | 14 36 | 1 30 | 19 16 | 1 35 | 23 22 | 0 4 | 17 48 | 0 43 | 1 36 | 1 30 | 21 45 | 0 22 | 4 15 | 0 47 | 0 32 | 1 39 | 27 29 | 9 3 | 20 26 | 20 10 | 26 11 | 16 32 | 6 30 |
| T 15 | 20 10 | 19 26 | 0 18 | 18 41 | 1 29 | 23 19 | 0 7 | 17 58 | 0 42 | 1 36 | 1 30 | 21 43 | 0 22 | 4 15 | 0 47 | 0 32 | 1 39 | 27 29 | 9 3 | 20 26 | 20 9 | 26 10 | 16 32 | 6 30 |
| W16 | 19 56 | 23 18 | 0s58 | 18 4 | 1 22 | 23 15 | 0 10 | 18 8 | 0 42 | 1 37 | 1 30 | 21 42 | 0 22 | 4 16 | 0 47 | 0 33 | 1 39 | 27 30 | 9 3 | 20 26 | 20 9 | 26 10 | 16 33 | 6 30 |
| T 17 | 19 42 | 25 44 | 2 13 | 17 26 | 1 14 | 23 11 | 0 12 | 18 18 | 0 41 | 1 38 | 1 31 | 21 41 | 0 22 | 4 16 | 0 47 | 0 33 | 1 39 | 27 30 | 9 3 | 20 26 | 20 8 | 26 10 | 16 33 | 6 30 |
| F 18 | 19 28 | 26 23 | 3 19 | 16 46 | 1 6 | 23 6 | 0 15 | 18 28 | 0 40 | 1 39 | 1 31 | 21 40 | 0 22 | 4 17 | 0 47 | 0 33 | 1 39 | 27 31 | 9 3 | 20 25 | 20 7 | 26 9 | 16 34 | 6 30 |
| S 19 | 19 14 | 25 3 | 4 12 | 16 6 | 0 57 | 23 1 | 0 17 | 18 38 | 0 40 | 1 40 | 1 31 | 21 39 | 0 22 | 4 17 | 0 47 | 0 34 | 1 39 | 27 31 | 9 3 | 20 23 | 20 7 | 26 9 | 16 34 | 6 30 |
| S 20 | 18 59 | 21 52 | 4 48 | 15 25 | 0 47 | 22 55 | 0 20 | 18 47 | 0 39 | 1 41 | 1 31 | 21 37 | 0 22 | 4 18 | 0 47 | 0 34 | 1 39 | 27 32 | 9 3 | 20 21 | 20 6 | 26 8 | 16 35 | 6 30 |
| M21 | 18 44 | 17 15 | 5 2 | 14 43 | 0 36 | 22 48 | 0 22 | 18 57 | 0 38 | 1 42 | 1 32 | 21 36 | 0 23 | 4 19 | 0 47 | 0 34 | 1 39 | 27 32 | 9 3 | 20 19 | 20 5 | 26 8 | 16 35 | 6 29 |
| T 22 | 18 29 | 11 40 | 4 56 | 14 1 | 0 24 | 22 40 | 0 25 | 19 6 | 0 38 | 1 43 | 1 32 | 21 35 | 0 23 | 4 19 | 0 47 | 0 35 | 1 39 | 27 33 | 9 3 | 20 17 | 20 5 | 26 8 | 16 36 | 6 29 |
| W23 | 18 13 | 5 37 | 4 32 | 13 19 | 0 12 | 22 32 | 0 27 | 19 15 | 0 37 | 1 45 | 1 32 | 21 34 | 0 23 | 4 20 | 0 47 | 0 35 | 1 39 | 27 33 | 9 4 | 20 15 | 20 4 | 26 7 | 16 36 | 6 29 |
| T 24 | 17 57 | 0n31 | 3 51 | 12 37 | 0n 1 | 22 22 | 0 29 | 19 24 | 0 36 | 1 46 | 1 33 | 21 32 | 0 23 | 4 21 | 0 47 | 0 35 | 1 39 | 27 34 | 9 4 | 20 14 | 20 3 | 26 7 | 16 37 | 6 29 |
| F 25 | 17 40 | 6 25 | 3 0 | 11 56 | 0 14 | 22 13 | 0 32 | 19 33 | 0 36 | 1 47 | 1 33 | 21 31 | 0 23 | 4 22 | 0 47 | 0 36 | 1 39 | 27 34 | 9 4 | 20 13 | 20 2 | 26 6 | 16 37 | 6 28 |
| S 26 | 17 24 | 11 51 | 2 0 | 11 16 | 0 29 | 22 2 | 0 34 | 19 42 | 0 35 | 1 49 | 1 33 | 21 30 | 0 23 | 4 22 | 0 47 | 0 36 | 1 39 | 27 34 | 9 4 | 20 13 | 20 2 | 26 6 | 16 38 | 6 28 |
| S 27 | 17 7 | 16 39 | 0 57 | 10 37 | 0 44 | 21 51 | 0 36 | 19 51 | 0 34 | 1 50 | 1 33 | 21 29 | 0 23 | 4 23 | 0 47 | 0 36 | 1 40 | 27 35 | 9 4 | 20 13 | 20 1 | 26 6 | 16 38 | 6 28 |
| M28 | 16 49 | 20 38 | 0n 8 | 10 0 | 0 59 | 21 40 | 0 39 | 19 59 | 0 33 | 1 52 | 1 34 | 21 28 | 0 23 | 4 24 | 0 48 | 0 37 | 1 40 | 27 35 | 9 4 | 20 13 | 20 0 | 26 5 | 16 39 | 6 28 |
| T 29 | 16 32 | 23 41 | 1 11 | 9 25 | 1 14 | 21 27 | 0 41 | 20 8 | 0 33 | 1 54 | 1 34 | 21 26 | 0 23 | 4 25 | 0 48 | 0 37 | 1 40 | 27 36 | 9 4 | 20 12 | 20 0 | 26 5 | 16 39 | 6 27 |
| W30 | 16 14 | 25 39 | 2 10 | 8 53 | 1 30 | 21 14 | 0 43 | 20 16 | 0 32 | 1 56 | 1 34 | 21 25 | 0 23 | 4 25 | 0 48 | 0 38 | 1 40 | 27 36 | 9 4 | 20 12 | 19 59 | 26 4 | 16 40 | 6 27 |
| T 31 | 15s56 | 26n26 | 3n 3 | 8s24 | 1n46 | 21s 1 | 0s45 | 20s24 | 0n31 | 1n57 | 1n34 | 21s24 | 0s23 | 4n26 | 0n48 | 0n38 | 1n40 | 27n36 | 9n 4 | 20n11 | 19n58 | 26n 4 | 16n41 | 6s27 |

Julian Day Number = 2072063.5, Delta T = 27m48s
Ecliptic obliquity = 23°34'30, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'37, Lahiri = 9°22'37 Julian Calendar 1 Jan. 961 == Greg. Calendar 6 Jan. 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## FEBRUARY 961 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 4 30 | 17♒40'38 | 18♋39 | 4♓40 | 1♒12 | 3♐46 | 28°R38 | 26♑23 | 20°R40 | 2°R12 | 6°R 6 | 29°R27 | 28♉36 | 20♋ 1 | 11°R 8 | F 1 |
| S 2 | 9 8 27 | 18°41'00 | 0♌31 | 5° 1 | 2°26 | 4°24 | 28♍34 | 26°30 | 20♍38 | 2♎11 | 6♌ 5 | 29♉16 | 28°32 | 20° 8 | 11♋ 5 | S 2 |
| S 3 | 9 12 23 | 19°41'20 | 12°28 | 5°13 | 3°41 | 5° 1 | 28°29 | 26°37 | 20°36 | 2°10 | 6° 3 | 29° 3 | 28°29 | 20°14 | 11° 2 | S 3 |
| M 4 | 9 16 20 | 20°41'39 | 24°32 | 5°R14 | 4°56 | 5°39 | 28°25 | 26°44 | 20°34 | 2° 9 | 6° 2 | 28°48 | 28°26 | 20°21 | 10°59 | M 4 |
| T 5 | 9 20 16 | 21°41'55 | 6♍43 | 5° 5 | 6°11 | 6°16 | 28°20 | 26°50 | 20°31 | 2° 8 | 6° 1 | 28°34 | 28°23 | 20°28 | 10°56 | T 5 |
| W 6 | 9 24 13 | 22°42'10 | 19° 3 | 4°47 | 7°25 | 6°53 | 28°15 | 26°57 | 20°29 | 2° 6 | 5°59 | 28°21 | 28°20 | 20°35 | 10°54 | W 6 |
| T 7 | 9 28 10 | 23°42'23 | 1♎32 | 4°20 | 8°40 | 7°31 | 28°10 | 27° 4 | 20°27 | 2° 5 | 5°58 | 28°10 | 28°17 | 20°41 | 10°51 | T 7 |
| F 8 | 9 32 6 | 24°42'35 | 14°11 | 3°45 | 9°55 | 8° 8 | 28° 4 | 27°11 | 20°25 | 2° 4 | 5°56 | 28° 2 | 28°13 | 20°48 | 10°48 | F 8 |
| S 9 | 9 36 3 | 25°42'45 | 27° 2 | 3° 2 | 11°10 | 8°45 | 27°59 | 27°17 | 20°23 | 2° 3 | 5°55 | 27°58 | 28°10 | 20°55 | 10°46 | S 9 |
| S 10 | 9 39 59 | 26°42'53 | 10♏ 8 | 2°12 | 12°24 | 9°23 | 27°53 | 27°24 | 20°20 | 2° 2 | 5°54 | 27°55 | 28° 7 | 21° 1 | 10°44 | S 10 |
| M11 | 9 43 56 | 27°43'00 | 23°30 | 1°18 | 13°39 | 10° 0 | 27°48 | 27°30 | 20°18 | 2° 0 | 5°52 | 27°55 | 28° 4 | 21° 8 | 10°41 | M11 |
| T 12 | 9 47 52 | 28°43'05 | 7♐12 | 0°20 | 14°54 | 10°37 | 27°42 | 27°37 | 20°16 | 1°59 | 5°51 | 27°55 | 28° 1 | 21°15 | 10°39 | T 12 |
| W13 | 9 51 49 | 29°43'09 | 21°15 | 29♒20 | 16° 8 | 11°14 | 27°36 | 27°43 | 20°13 | 1°58 | 5°50 | 27°54 | 27°58 | 21°21 | 10°37 | W13 |
| T 14 | 9 55 45 | 0♓43'11 | 5♑38 | 28°19 | 17°23 | 11°51 | 27°30 | 27°50 | 20°11 | 1°56 | 5°48 | 27°51 | 27°54 | 21°28 | 10°35 | T 14 |
| F 15 | 9 59 42 | 1°43'11 | 20°20 | 27°18 | 18°38 | 12°28 | 27°23 | 27°56 | 20° 8 | 1°55 | 5°47 | 27°45 | 27°51 | 21°35 | 10°33 | F 15 |
| S 16 | 10 3 39 | 2°43'10 | 5♒16 | 26°19 | 19°52 | 13° 5 | 27°17 | 28° 2 | 20° 6 | 1°54 | 5°46 | 27°37 | 27°48 | 21°42 | 10°31 | S 16 |
| S 17 | 10 7 35 | 3°43'06 | 20°17 | 25°24 | 21° 7 | 13°42 | 27°10 | 28° 9 | 20° 4 | 1°52 | 5°45 | 27°26 | 27°45 | 21°48 | 10°29 | S 17 |
| M18 | 10 11 32 | 4°43'01 | 5♓13 | 24°32 | 22°22 | 14°19 | 27° 4 | 28°15 | 20° 1 | 1°51 | 5°43 | 27°14 | 27°42 | 21°55 | 10°27 | M18 |
| T 19 | 10 15 28 | 5°42'54 | 19°57 | 23°45 | 23°36 | 14°56 | 26°57 | 28°21 | 19°59 | 1°49 | 5°42 | 27° 3 | 27°38 | 22° 2 | 10°25 | T 19 |
| W20 | 10 19 25 | 6°42'44 | 4♈19 | 23° 4 | 24°51 | 15°33 | 26°50 | 28°27 | 19°56 | 1°48 | 5°41 | 26°53 | 27°35 | 22° 8 | 10°24 | W20 |
| T 21 | 10 23 21 | 7°42'33 | 18°14 | 22°29 | 26° 5 | 16°10 | 26°43 | 28°34 | 19°54 | 1°46 | 5°40 | 26°45 | 27°32 | 22°15 | 10°22 | T 21 |
| F 22 | 10 27 18 | 8°42'19 | 1♉41 | 22° 0 | 27°20 | 16°47 | 26°36 | 28°40 | 19°51 | 1°45 | 5°38 | 26°41 | 27°29 | 22°22 | 10°21 | F 22 |
| S 23 | 10 31 14 | 9°42'03 | 14°40 | 21°37 | 28°35 | 17°23 | 26°29 | 28°46 | 19°49 | 1°44 | 5°37 | 26°39 | 27°26 | 22°28 | 10°20 | S 23 |
| S 24 | 10 35 11 | 10°41'45 | 27°16 | 21°20 | 29°49 | 18° 0 | 26°22 | 28°52 | 19°46 | 1°42 | 5°36 | 26°D38 | 27°23 | 22°35 | 10°19 | S 24 |
| M25 | 10 39 7 | 11°41'24 | 9♊32 | 21°10 | 1♓ 4 | 18°37 | 26°15 | 28°58 | 19°43 | 1°41 | 5°35 | 26°R38 | 27°19 | 22°42 | 10°17 | M25 |
| T 26 | 10 43 4 | 12°41'01 | 21°33 | 21°D 6 | 2°18 | 19°13 | 26° 8 | 29° 3 | 19°41 | 1°39 | 5°34 | 26°38 | 27°16 | 22°49 | 10°16 | T 26 |
| W27 | 10 47 1 | 13°40'36 | 3♋26 | 21° 8 | 3°33 | 19°50 | 26° 0 | 29° 9 | 19°38 | 1°37 | 5°33 | 26°36 | 27°13 | 22°55 | 10°16 | W27 |
| T 28 | 10 50 57 | 14♓40'08 | 15♋16 | 21♒16 | 4♓47 | 20♐26 | 25♍53 | 29♑15 | 19♍36 | 1♎36 | 5♌32 | 26♉32 | 27♉10 | 23♋ 2 | 10♋15 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 15s37 | 26n 2 | 3n48 | 7s58 | 2n 1 | 20s46 | 0s47 | 20s32 | 0n30 | 1n59 | 1n35 | 21s23 | 0s23 | 4n27 | 0n48 | 0n39 | 1n40 | 27n37 | 9n 4 | 20n 9 | 19n58 | 26n 3 | 16n41 | 6s26 | F 1 |
| S 2 | 15 19 | 24 26 | 4 23 | 7 36 | 2 17 | 20 32 | 0 49 | 20 40 | 0 29 | 2 1 | 1 35 | 21 21 | 0 24 | 4 28 | 0 48 | 0 39 | 1 40 | 27 37 | 9 4 | 20 6 | 19 57 | 26 3 | 16 42 | 6 26 | S 2 |
| S 3 | 15 0 | 21 45 | 4 47 | 7 18 | 2 32 | 20 16 | 0 51 | 20 47 | 0 29 | 2 3 | 1 35 | 21 20 | 0 24 | 4 29 | 0 48 | 0 40 | 1 40 | 27 38 | 9 4 | 20 4 | 19 56 | 26 2 | 16 42 | 6 26 | S 3 |
| M 4 | 14 41 | 18 6 | 4 59 | 7 5 | 2 46 | 20 0 | 0 53 | 20 55 | 0 28 | 2 5 | 1 35 | 21 19 | 0 24 | 4 29 | 0 48 | 0 40 | 1 40 | 27 38 | 9 4 | 20 0 | 19 55 | 26 2 | 16 43 | 6 26 | M 4 |
| T 5 | 14 21 | 13 41 | 4 57 | 6 55 | 2 59 | 19 43 | 0 55 | 21 2 | 0 27 | 2 8 | 1 35 | 21 18 | 0 24 | 4 30 | 0 48 | 0 41 | 1 40 | 27 38 | 9 4 | 19 57 | 19 55 | 26 1 | 16 43 | 6 25 | T 5 |
| W 6 | 14 2 | 8 39 | 4 41 | 6 51 | 3 11 | 19 26 | 0 57 | 21 9 | 0 26 | 2 10 | 1 36 | 21 17 | 0 24 | 4 31 | 0 48 | 0 41 | 1 40 | 27 39 | 9 4 | 19 54 | 19 54 | 26 1 | 16 44 | 6 25 | W 6 |
| T 7 | 13 42 | 3 13 | 4 11 | 6 51 | 3 21 | 19 9 | 0 59 | 21 16 | 0 25 | 2 12 | 1 36 | 21 15 | 0 24 | 4 32 | 0 48 | 0 42 | 1 40 | 27 39 | 9 4 | 19 52 | 19 53 | 26 0 | 16 45 | 6 24 | T 7 |
| F 8 | 13 22 | 2s25 | 3 29 | 6 56 | 3 30 | 18 50 | 1 1 | 21 23 | 0 24 | 2 14 | 1 36 | 21 14 | 0 24 | 4 33 | 0 48 | 0 42 | 1 40 | 27 40 | 9 4 | 19 50 | 19 53 | 26 0 | 16 45 | 6 24 | F 8 |
| S 9 | 13 1 | 8 4 | 2 35 | 7 5 | 3 37 | 18 31 | 1 2 | 21 30 | 0 23 | 2 17 | 1 36 | 21 13 | 0 24 | 4 34 | 0 48 | 0 43 | 1 40 | 27 40 | 9 4 | 19 49 | 19 52 | 25 59 | 16 46 | 6 24 | S 9 |
| S 10 | 12 41 | 13 29 | 1 32 | 7 17 | 3 42 | 18 12 | 1 4 | 21 37 | 0 23 | 2 19 | 1 36 | 21 12 | 0 24 | 4 35 | 0 48 | 0 43 | 1 40 | 27 40 | 9 4 | 19 49 | 19 51 | 25 59 | 16 46 | 6 23 | S 10 |
| M11 | 12 20 | 18 23 | 0 23 | 7 34 | 3 45 | 17 52 | 1 6 | 21 43 | 0 22 | 2 22 | 1 37 | 21 11 | 0 24 | 4 36 | 0 48 | 0 44 | 1 40 | 27 41 | 9 4 | 19 48 | 19 50 | 25 58 | 16 47 | 6 23 | M11 |
| T 12 | 11 59 | 22 26 | 0s49 | 7 53 | 3 46 | 17 32 | 1 7 | 21 49 | 0 21 | 2 24 | 1 37 | 21 9 | 0 24 | 4 37 | 0 48 | 0 44 | 1 40 | 27 41 | 9 4 | 19 48 | 19 50 | 25 58 | 16 47 | 6 22 | T 12 |
| W13 | 11 38 | 25 17 | 2 0 | 8 16 | 3 45 | 17 11 | 1 9 | 21 56 | 0 20 | 2 27 | 1 37 | 21 8 | 0 25 | 4 38 | 0 48 | 0 45 | 1 40 | 27 41 | 9 4 | 19 48 | 19 49 | 25 57 | 16 48 | 6 22 | W13 |
| T 14 | 11 17 | 26 32 | 3 5 | 8 40 | 3 41 | 16 49 | 1 10 | 22 2 | 0 19 | 2 29 | 1 37 | 21 7 | 0 25 | 4 39 | 0 48 | 0 45 | 1 40 | 27 41 | 9 4 | 19 48 | 19 48 | 25 56 | 16 49 | 6 22 | T 14 |
| F 15 | 10 55 | 25 58 | 3 59 | 9 6 | 3 36 | 16 28 | 1 11 | 22 8 | 0 18 | 2 32 | 1 37 | 21 6 | 0 25 | 4 40 | 0 48 | 0 46 | 1 40 | 27 42 | 9 4 | 19 46 | 19 48 | 25 56 | 16 49 | 6 21 | F 15 |
| S 16 | 10 34 | 23 33 | 4 38 | 9 32 | 3 29 | 16 5 | 1 13 | 22 13 | 0 17 | 2 35 | 1 38 | 21 5 | 0 25 | 4 41 | 0 48 | 0 47 | 1 40 | 27 42 | 9 4 | 19 44 | 19 47 | 25 55 | 16 50 | 6 21 | S 16 |
| S 17 | 10 12 | 19 31 | 4 58 | 9 59 | 3 20 | 15 43 | 1 14 | 22 19 | 0 16 | 2 37 | 1 38 | 21 3 | 0 25 | 4 42 | 0 48 | 0 47 | 1 40 | 27 42 | 9 4 | 19 42 | 19 46 | 25 55 | 16 50 | 6 20 | S 17 |
| M18 | 9 50 | 14 15 | 4 57 | 10 26 | 3 10 | 15 19 | 1 15 | 22 24 | 0 15 | 2 40 | 1 38 | 21 2 | 0 25 | 4 43 | 0 48 | 0 48 | 1 40 | 27 43 | 9 4 | 19 39 | 19 45 | 25 54 | 16 51 | 6 20 | M18 |
| T 19 | 9 28 | 8 14 | 4 37 | 10 52 | 2 58 | 14 56 | 1 16 | 22 29 | 0 14 | 2 43 | 1 38 | 21 1 | 0 25 | 4 44 | 0 48 | 0 48 | 1 41 | 27 43 | 9 4 | 19 37 | 19 45 | 25 54 | 16 51 | 6 19 | T 19 |
| W20 | 9 6 | 1 56 | 3 59 | 11 18 | 2 46 | 14 32 | 1 18 | 22 35 | 0 13 | 2 46 | 1 38 | 21 0 | 0 25 | 4 44 | 0 48 | 0 49 | 1 41 | 27 43 | 9 4 | 19 34 | 19 44 | 25 53 | 16 52 | 6 19 | W20 |
| T 21 | 8 44 | 4n17 | 3 8 | 11 42 | 2 33 | 14 7 | 1 19 | 22 40 | 0 12 | 2 49 | 1 38 | 20 59 | 0 25 | 4 45 | 0 48 | 0 50 | 1 41 | 27 43 | 9 4 | 19 33 | 19 43 | 25 52 | 16 53 | 6 19 | T 21 |
| F 22 | 8 21 | 10 7 | 2 8 | 12 4 | 2 19 | 13 43 | 1 20 | 22 44 | 0 11 | 2 52 | 1 38 | 20 58 | 0 25 | 4 47 | 0 48 | 0 50 | 1 41 | 27 44 | 9 3 | 19 31 | 19 43 | 25 52 | 16 53 | 6 18 | F 22 |
| S 23 | 7 59 | 15 20 | 1 3 | 12 25 | 2 5 | 13 17 | 1 20 | 22 49 | 0 9 | 2 55 | 1 39 | 20 56 | 0 26 | 4 48 | 0 48 | 0 51 | 1 41 | 27 44 | 9 3 | 19 31 | 19 42 | 25 51 | 16 54 | 6 18 | S 23 |
| S 24 | 7 36 | 19 43 | 0n 3 | 12 44 | 1 50 | 12 52 | 1 21 | 22 54 | 0 8 | 2 58 | 1 39 | 20 55 | 0 26 | 4 49 | 0 48 | 0 51 | 1 41 | 27 44 | 9 3 | 19 31 | 19 41 | 25 50 | 16 54 | 6 17 | S 24 |
| M25 | 7 13 | 23 7 | 1 8 | 13 1 | 1 35 | 12 26 | 1 22 | 22 58 | 0 7 | 3 0 | 1 39 | 20 54 | 0 26 | 4 50 | 0 48 | 0 52 | 1 41 | 27 44 | 9 3 | 19 31 | 19 40 | 25 50 | 16 55 | 6 17 | M25 |
| T 26 | 6 50 | 25 26 | 2 8 | 13 16 | 1 21 | 12 0 | 1 23 | 23 2 | 0 6 | 3 4 | 1 39 | 20 53 | 0 26 | 4 51 | 0 48 | 0 53 | 1 41 | 27 45 | 9 3 | 19 31 | 19 40 | 25 49 | 16 55 | 6 16 | T 26 |
| W27 | 6 27 | 26 34 | 3 2 | 13 29 | 1 7 | 11 33 | 1 23 | 23 6 | 0 5 | 3 7 | 1 39 | 20 52 | 0 26 | 4 52 | 0 48 | 0 53 | 1 41 | 27 45 | 9 3 | 19 30 | 19 39 | 25 48 | 16 56 | 6 16 | W27 |
| T 28 | 6s 4 | 26n28 | 3n48 | 13s40 | 0n52 | 11s 7 | 1s24 | 23s10 | 0n 4 | 3n10 | 1n39 | 20s51 | 0s26 | 4n53 | 0n48 | 0n54 | 1n41 | 27n45 | 9n 3 | 19n29 | 19n38 | 25n48 | 16n56 | 6s15 | T 28 |

Julian Day Number = 2072094.5, Delta T = 27m48s
Ecliptic obliquity = 23°34'31, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'41, Lahiri = 9°22'41 Julian Calendar 1 Feb. 961 == Greg. Calendar 6 Feb. 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## MARCH 961 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 54 54 | 15♓39'38 | 27♋ 6 | 21♒30 | 6♓ 2 | 21♐ 3 | 25°R45 | 29♑21 | 19°R33 | 1°R34 | 5°R31 | 26°R25 | 27♉ 7 | 23♋ 9 | 10°R14 | F 1 |
| S 2 | 10 58 50 | 16°39'06 | 9♌ 1 | 21°48 | 7°16 | 21°39 | 25♍38 | 29°26 | 19♍31 | 1♎33 | 5♌30 | 26♉16 | 27° 4 | 23°15 | 10♋13 | S 2 |
| S 3 | 11 2 47 | 17°38'32 | 21° 4 | 22°12 | 8°31 | 22°15 | 25°30 | 29°32 | 19°28 | 1°31 | 5°29 | 26° 5 | 27° 0 | 23°22 | 10°13 | S 3 |
| M 4 | 11 6 43 | 18°37'55 | 3♍16 | 22°40 | 9°45 | 22°51 | 25°23 | 29°37 | 19°25 | 1°30 | 5°28 | 25°52 | 26°57 | 23°29 | 10°12 | M 4 |
| T 5 | 11 10 40 | 19°37'16 | 15°40 | 23°12 | 11° 0 | 23°28 | 25°15 | 29°43 | 19°23 | 1°28 | 5°27 | 25°40 | 26°54 | 23°35 | 10°12 | T 5 |
| W 6 | 11 14 36 | 20°36'35 | 28°15 | 23°49 | 12°14 | 24° 4 | 25° 7 | 29°48 | 19°20 | 1°26 | 5°26 | 25°29 | 26°51 | 23°42 | 10°12 | W 6 |
| T 7 | 11 18 33 | 21°35'52 | 11♎ 1 | 24°30 | 13°29 | 24°40 | 25° 0 | 29°54 | 19°18 | 1°25 | 5°25 | 25°19 | 26°48 | 23°49 | 10°12 | T 7 |
| F 8 | 11 22 30 | 22°35'07 | 23°59 | 25°14 | 14°43 | 25°16 | 24°52 | 29°59 | 19°15 | 1°23 | 5°24 | 25°13 | 26°44 | 23°55 | 10°D12 | F 8 |
| S 9 | 11 26 26 | 23°34'20 | 7♏ 8 | 26° 2 | 15°57 | 25°52 | 24°44 | 0♒ 4 | 19°12 | 1°22 | 5°23 | 25° 9 | 26°41 | 24° 2 | 10°12 | S 9 |
| S 10 | 11 30 23 | 24°33'31 | 20°28 | 26°54 | 17°12 | 26°27 | 24°37 | 0° 9 | 19°10 | 1°20 | 5°22 | 25°D 7 | 26°38 | 24° 9 | 10°12 | S 10 |
| M11 | 11 34 19 | 25°32'40 | 4♐ 0 | 27°48 | 18°26 | 27° 3 | 24°29 | 0°14 | 19° 7 | 1°18 | 5°21 | 25° 7 | 26°35 | 24°16 | 10°12 | M11 |
| T 12 | 11 38 16 | 26°31'47 | 17°45 | 28°46 | 19°40 | 27°39 | 24°21 | 0°19 | 19° 5 | 1°17 | 5°20 | 25° 8 | 26°32 | 24°22 | 10°12 | T 12 |
| W13 | 11 42 12 | 27°30'53 | 1♑43 | 29°46 | 20°55 | 28°15 | 24°13 | 0°24 | 19° 2 | 1°15 | 5°20 | 25°R 8 | 26°29 | 24°29 | 10°13 | W13 |
| T 14 | 11 46 9 | 28°29'57 | 15°54 | 0♓49 | 22° 9 | 28°50 | 24° 6 | 0°29 | 19° 0 | 1°13 | 5°19 | 25° 7 | 26°25 | 24°36 | 10°13 | T 14 |
| F 15 | 11 50 5 | 29°29'00 | 0♒18 | 1°54 | 23°24 | 29°26 | 23°58 | 0°34 | 18°57 | 1°12 | 5°18 | 25° 4 | 26°22 | 24°42 | 10°14 | F 15 |
| S 16 | 11 54 2 | 0♈28'00 | 14°49 | 3° 2 | 24°38 | 0♑ 1 | 23°50 | 0°39 | 18°55 | 1°10 | 5°17 | 24°58 | 26°19 | 24°49 | 10°14 | S 16 |
| S 17 | 11 57 59 | 1°26'58 | 29°24 | 4°12 | 25°52 | 0°36 | 23°43 | 0°44 | 18°52 | 1° 8 | 5°17 | 24°50 | 26°16 | 24°56 | 10°15 | S 17 |
| M18 | 12 1 55 | 2°25'55 | 13♓56 | 5°25 | 27° 7 | 1°12 | 23°35 | 0°48 | 18°49 | 1° 7 | 5°16 | 24°42 | 26°13 | 25° 3 | 10°16 | M18 |
| T 19 | 12 5 52 | 3°24'49 | 28°18 | 6°40 | 28°21 | 1°47 | 23°28 | 0°53 | 18°47 | 1° 5 | 5°15 | 24°34 | 26° 9 | 25° 9 | 10°17 | T 19 |
| W20 | 12 9 48 | 4°23'42 | 12♈24 | 7°56 | 29°35 | 2°22 | 23°20 | 0°57 | 18°45 | 1° 3 | 5°15 | 24°26 | 26° 6 | 25°16 | 10°18 | W20 |
| T 21 | 12 13 45 | 5°22'32 | 26°10 | 9°15 | 0♈49 | 2°57 | 23°13 | 1° 2 | 18°42 | 1° 2 | 5°14 | 24°21 | 26° 3 | 25°23 | 10°19 | T 21 |
| F 22 | 12 17 41 | 6°21'21 | 9♉32 | 10°36 | 2° 4 | 3°31 | 23° 5 | 1° 6 | 18°40 | 1° 0 | 5°13 | 24°18 | 26° 0 | 25°29 | 10°21 | F 22 |
| S 23 | 12 21 38 | 7°20'07 | 22°31 | 11°58 | 3°18 | 4° 6 | 22°58 | 1°10 | 18°37 | 0°59 | 5°13 | 24°D17 | 25°57 | 25°36 | 10°22 | S 23 |
| S 24 | 12 25 34 | 8°18'51 | 5♊ 8 | 13°22 | 4°32 | 4°41 | 22°51 | 1°14 | 18°35 | 0°57 | 5°12 | 24°17 | 25°54 | 25°43 | 10°24 | S 24 |
| M25 | 12 29 31 | 9°17'32 | 17°27 | 14°49 | 5°46 | 5°15 | 22°43 | 1°18 | 18°32 | 0°55 | 5°12 | 24°19 | 25°50 | 25°49 | 10°25 | M25 |
| T 26 | 12 33 28 | 10°16'12 | 29°31 | 16°17 | 7° 1 | 5°50 | 22°36 | 1°22 | 18°30 | 0°54 | 5°11 | 24°20 | 25°47 | 25°56 | 10°27 | T 26 |
| W27 | 12 37 24 | 11°14'49 | 11♋27 | 17°46 | 8°15 | 6°24 | 22°29 | 1°26 | 18°28 | 0°52 | 5°11 | 24°R20 | 25°44 | 26° 3 | 10°29 | W27 |
| T 28 | 12 41 21 | 12°13'24 | 23°18 | 19°18 | 9°29 | 6°58 | 22°22 | 1°30 | 18°25 | 0°50 | 5°10 | 24°20 | 25°41 | 26°10 | 10°30 | T 28 |
| F 29 | 12 45 17 | 13°11'57 | 5♌11 | 20°51 | 10°43 | 7°32 | 22°15 | 1°34 | 18°23 | 0°49 | 5°10 | 24°17 | 25°38 | 26°16 | 10°32 | F 29 |
| S 30 | 12 49 14 | 14°10'27 | 17° 9 | 22°26 | 11°57 | 8° 6 | 22° 9 | 1°37 | 18°21 | 0°47 | 5°10 | 24°13 | 25°35 | 26°23 | 10°34 | S 30 |
| S 31 | 12 53 10 | 15♈ 8'55 | 29♌16 | 24♓ 3 | 13♈11 | 8♑40 | 22♍ 2 | 1♒41 | 18♍19 | 0♎46 | 5♌ 9 | 24♉ 7 | 25♉31 | 26♋30 | 10♋37 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s41 | 25n10 | 4n24 | 13s49 | 0n38 | 10s40 | 1s25 | 23s14 | 0n 2 | 3n13 | 1n39 | 20s50 | 0s26 | 4n54 | 0n48 | 0n55 | 1n41 | 27n45 | 9n 3 | 19n28 | 19n37 | 25n47 | 16n57 | 6s15 |
| S 2 | 5 18 | 22 44 | 4 48 | 13 56 | 0 25 | 10 12 | 1 25 | 23 17 | 0 1 | 3 16 | 1 39 | 20 49 | 0 26 | 4 55 | 0 48 | 0 55 | 1 41 | 27 45 | 9 3 | 19 26 | 19 37 | 25 46 | 16 58 | 6 14 |
| S 3 | 4 55 | 19 18 | 5 1 | 14 0 | 0 12 | 9 45 | 1 25 | 23 21 | 0 0 | 3 19 | 1 39 | 20 48 | 0 26 | 4 56 | 0 48 | 0 56 | 1 41 | 27 46 | 9 3 | 19 23 | 19 36 | 25 46 | 16 58 | 6 14 |
| M 4 | 4 31 | 15 0 | 4 59 | 14 3 | 0s 1 | 9 17 | 1 26 | 23 24 | 0s 1 | 3 22 | 1 39 | 20 47 | 0 26 | 4 57 | 0 48 | 0 57 | 1 41 | 27 46 | 9 3 | 19 20 | 19 35 | 25 45 | 16 59 | 6 13 |
| T 5 | 4 8 | 10 2 | 4 44 | 14 4 | 0 13 | 8 49 | 1 26 | 23 27 | 0 3 | 3 25 | 1 39 | 20 46 | 0 27 | 4 58 | 0 48 | 0 57 | 1 41 | 27 46 | 9 3 | 19 17 | 19 35 | 25 44 | 16 59 | 6 13 |
| W 6 | 3 44 | 4 35 | 4 15 | 14 3 | 0 25 | 8 20 | 1 26 | 23 30 | 0 4 | 3 28 | 1 40 | 20 44 | 0 27 | 4 59 | 0 48 | 0 58 | 1 41 | 27 46 | 9 2 | 19 14 | 19 34 | 25 44 | 17 0 | 6 12 |
| T 7 | 3 21 | 1s 8 | 3 32 | 14 0 | 0 36 | 7 52 | 1 26 | 23 33 | 0 5 | 3 31 | 1 40 | 20 43 | 0 27 | 5 0 | 0 48 | 0 59 | 1 41 | 27 46 | 9 2 | 19 12 | 19 33 | 25 43 | 17 0 | 6 12 |
| F 8 | 2 58 | 6 55 | 2 38 | 13 55 | 0 47 | 7 23 | 1 27 | 23 36 | 0 6 | 3 34 | 1 40 | 20 42 | 0 27 | 5 1 | 0 48 | 0 59 | 1 41 | 27 46 | 9 2 | 19 11 | 19 32 | 25 42 | 17 1 | 6 11 |
| S 9 | 2 34 | 12 29 | 1 34 | 13 48 | 0 57 | 6 54 | 1 27 | 23 38 | 0 8 | 3 37 | 1 40 | 20 41 | 0 27 | 5 2 | 0 48 | 1 0 | 1 41 | 27 46 | 9 2 | 19 10 | 19 32 | 25 41 | 17 1 | 6 11 |
| S 10 | 2 10 | 17 34 | 0 25 | 13 40 | 1 7 | 6 25 | 1 26 | 23 41 | 0 9 | 3 41 | 1 40 | 20 40 | 0 27 | 5 3 | 0 48 | 1 1 | 1 41 | 27 46 | 9 2 | 19 9 | 19 31 | 25 41 | 17 2 | 6 10 |
| M11 | 1 47 | 21 51 | 0s47 | 13 30 | 1 16 | 5 55 | 1 26 | 23 43 | 0 11 | 3 44 | 1 40 | 20 39 | 0 27 | 5 4 | 0 48 | 1 1 | 1 41 | 27 47 | 9 2 | 19 9 | 19 30 | 25 40 | 17 2 | 6 10 |
| T 12 | 1 23 | 24 58 | 1 58 | 13 18 | 1 25 | 5 26 | 1 26 | 23 45 | 0 12 | 3 47 | 1 40 | 20 38 | 0 27 | 5 5 | 0 48 | 1 2 | 1 41 | 27 47 | 9 2 | 19 9 | 19 29 | 25 39 | 17 3 | 6 9 |
| W13 | 1 0 | 26 37 | 3 3 | 13 4 | 1 33 | 4 56 | 1 26 | 23 47 | 0 13 | 3 50 | 1 40 | 20 37 | 0 27 | 5 6 | 0 48 | 1 3 | 1 41 | 27 47 | 9 2 | 19 9 | 19 29 | 25 38 | 17 3 | 6 9 |
| T 14 | 0 36 | 26 33 | 3 57 | 12 49 | 1 41 | 4 26 | 1 26 | 23 49 | 0 15 | 3 53 | 1 40 | 20 37 | 0 28 | 5 7 | 0 48 | 1 3 | 1 41 | 27 47 | 9 1 | 19 9 | 19 28 | 25 38 | 17 4 | 6 8 |
| F 15 | 0 12 | 24 43 | 4 38 | 12 32 | 1 48 | 3 57 | 1 25 | 23 51 | 0 16 | 3 56 | 1 40 | 20 36 | 0 28 | 5 8 | 0 48 | 1 4 | 1 41 | 27 47 | 9 1 | 19 8 | 19 27 | 25 37 | 17 4 | 6 8 |
| S 16 | 0n11 | 21 16 | 5 1 | 12 14 | 1 55 | 3 27 | 1 25 | 23 52 | 0 18 | 3 59 | 1 40 | 20 35 | 0 28 | 5 9 | 0 48 | 1 5 | 1 41 | 27 47 | 9 1 | 19 7 | 19 26 | 25 36 | 17 5 | 6 7 |
| S 17 | 0 35 | 16 30 | 5 5 | 11 54 | 2 1 | 2 56 | 1 24 | 23 54 | 0 19 | 4 2 | 1 40 | 20 34 | 0 28 | 5 10 | 0 48 | 1 5 | 1 41 | 27 47 | 9 1 | 19 5 | 19 26 | 25 35 | 17 5 | 6 7 |
| M18 | 0 58 | 10 47 | 4 49 | 11 32 | 2 6 | 2 26 | 1 24 | 23 55 | 0 21 | 4 5 | 1 40 | 20 33 | 0 28 | 5 11 | 0 48 | 1 6 | 1 41 | 27 47 | 9 1 | 19 3 | 19 25 | 25 35 | 17 6 | 6 6 |
| T 19 | 1 22 | 4 34 | 4 15 | 11 9 | 2 11 | 1 56 | 1 23 | 23 56 | 0 23 | 4 8 | 1 40 | 20 32 | 0 28 | 5 12 | 0 48 | 1 7 | 1 41 | 27 47 | 9 1 | 19 1 | 19 24 | 25 34 | 17 6 | 6 5 |
| W20 | 1 45 | 1n47 | 3 26 | 10 44 | 2 16 | 1 26 | 1 23 | 23 57 | 0 24 | 4 11 | 1 39 | 20 31 | 0 28 | 5 13 | 0 48 | 1 7 | 1 41 | 27 47 | 9 1 | 18 59 | 19 23 | 25 33 | 17 6 | 6 5 |
| T 21 | 2 9 | 7 54 | 2 25 | 10 18 | 2 20 | 0 55 | 1 22 | 23 58 | 0 26 | 4 14 | 1 39 | 20 30 | 0 28 | 5 14 | 0 48 | 1 8 | 1 41 | 27 47 | 9 0 | 18 58 | 19 23 | 25 32 | 17 7 | 6 4 |
| F 22 | 2 32 | 13 30 | 1 19 | 9 51 | 2 23 | 0 25 | 1 21 | 23 59 | 0 27 | 4 17 | 1 39 | 20 29 | 0 28 | 5 15 | 0 48 | 1 9 | 1 41 | 27 47 | 9 0 | 18 57 | 19 22 | 25 31 | 17 7 | 6 4 |
| S 23 | 2 56 | 18 21 | 0 10 | 9 22 | 2 26 | 0n 6 | 1 20 | 24 0 | 0 29 | 4 20 | 1 39 | 20 29 | 0 29 | 5 16 | 0 48 | 1 9 | 1 41 | 27 47 | 9 0 | 18 57 | 19 21 | 25 30 | 17 8 | 6 3 |
| S 24 | 3 19 | 22 14 | 0n58 | 8 51 | 2 28 | 0 36 | 1 19 | 24 0 | 0 31 | 4 22 | 1 39 | 20 28 | 0 29 | 5 16 | 0 48 | 1 10 | 1 41 | 27 47 | 9 0 | 18 57 | 19 20 | 25 30 | 17 8 | 6 3 |
| M25 | 3 42 | 25 0 | 2 2 | 8 19 | 2 30 | 1 6 | 1 18 | 24 1 | 0 32 | 4 25 | 1 39 | 20 27 | 0 29 | 5 17 | 0 48 | 1 11 | 1 41 | 27 47 | 9 0 | 18 57 | 19 20 | 25 29 | 17 9 | 6 2 |
| T 26 | 4 5 | 26 33 | 2 59 | 7 46 | 2 32 | 1 37 | 1 17 | 24 1 | 0 34 | 4 28 | 1 39 | 20 26 | 0 29 | 5 18 | 0 48 | 1 11 | 1 41 | 27 47 | 9 0 | 18 58 | 19 19 | 25 28 | 17 9 | 6 2 |
| W27 | 4 28 | 26 51 | 3 47 | 7 12 | 2 32 | 2 7 | 1 16 | 24 1 | 0 36 | 4 31 | 1 39 | 20 26 | 0 29 | 5 19 | 0 48 | 1 12 | 1 41 | 27 47 | 8 59 | 18 58 | 19 18 | 25 27 | 17 9 | 6 1 |
| T 28 | 4 51 | 25 55 | 4 26 | 6 36 | 2 33 | 2 38 | 1 15 | 24 1 | 0 38 | 4 33 | 1 39 | 20 25 | 0 29 | 5 20 | 0 48 | 1 12 | 1 41 | 27 47 | 8 59 | 18 58 | 19 17 | 25 26 | 17 10 | 6 1 |
| F 29 | 5 14 | 23 49 | 4 53 | 5 59 | 2 32 | 3 8 | 1 14 | 24 1 | 0 40 | 4 36 | 1 39 | 20 24 | 0 29 | 5 21 | 0 48 | 1 13 | 1 41 | 27 47 | 8 59 | 18 57 | 19 17 | 25 25 | 17 10 | 6 0 |
| S 30 | 5 37 | 20 39 | 5 7 | 5 20 | 2 32 | 3 38 | 1 13 | 24 1 | 0 41 | 4 39 | 1 39 | 20 23 | 0 29 | 5 22 | 0 48 | 1 14 | 1 41 | 27 47 | 8 59 | 18 56 | 19 16 | 25 24 | 17 10 | 6 0 |
| S 31 | 6n 0 | 16n36 | 5n 8 | 4s41 | 2s30 | 4n 8 | 1s11 | 24s 1 | 0s43 | 4n41 | 1n39 | 20s23 | 0s30 | 5n23 | 0n48 | 1n14 | 1n41 | 27n47 | 8n59 | 18n55 | 19n15 | 25n23 | 17n11 | 5s59 |

Julian Day Number = 2072122.5, Delta T = 27m48s
Ecliptic obliquity = 23°34'31, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'45, Lahiri = 9°22'45 Julian Calendar 1 March 961 == Greg. Calendar 6 March 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## APRIL 961 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 57 7 | 16♈ 7'22 | 11♍35 | 25♓41 | 14♈25 | 9♑14 | 21°R56 | 1♒45 | 18°R16 | 0°R44 | 5°R 9 | 24°R 1 | 25♉28 | 26♋36 | 10♋39 | M 1 |
| T 2 | 13 1 3 | 17° 5'46 | 24° 9 | 27°21 | 15°39 | 9°48 | 21♍49 | 1°48 | 18♍14 | 0♎42 | 5♌ 9 | 23♉54 | 25°25 | 26°43 | 10°41 | T 2 |
| W 3 | 13 5 0 | 18° 4'07 | 6♎59 | 29° 3 | 16°54 | 10°21 | 21°43 | 1°51 | 18°12 | 0°41 | 5° 9 | 23°48 | 25°22 | 26°50 | 10°43 | W 3 |
| T 4 | 13 8 56 | 19° 2'27 | 20° 4 | 0♈46 | 18° 8 | 10°55 | 21°37 | 1°55 | 18°10 | 0°39 | 5° 8 | 23°44 | 25°19 | 26°56 | 10°46 | T 4 |
| F 5 | 13 12 53 | 20° 0'46 | 3♏24 | 2°31 | 19°22 | 11°28 | 21°30 | 1°58 | 18° 8 | 0°38 | 5° 8 | 23°40 | 25°15 | 27° 3 | 10°48 | F 5 |
| S 6 | 13 16 50 | 20°59'02 | 16°56 | 4°18 | 20°36 | 12° 1 | 21°25 | 2° 1 | 18° 6 | 0°36 | 5° 8 | 23°39 | 25°12 | 27°10 | 10°51 | S 6 |
| S 7 | 13 20 46 | 21°57'17 | 0♐40 | 6° 7 | 21°50 | 12°34 | 21°19 | 2° 4 | 18° 4 | 0°35 | 5° 8 | 23°D39 | 25° 9 | 27°17 | 10°54 | S 7 |
| M 8 | 13 24 43 | 22°55'30 | 14°33 | 7°57 | 23° 4 | 13° 7 | 21°13 | 2° 7 | 18° 2 | 0°33 | 5° 8 | 23°40 | 25° 6 | 27°23 | 10°57 | M 8 |
| T 9 | 13 28 39 | 23°53'42 | 28°34 | 9°49 | 24°18 | 13°39 | 21° 7 | 2° 9 | 18° 0 | 0°32 | 5° 8 | 23°41 | 25° 3 | 27°30 | 11° 0 | T 9 |
| W10 | 13 32 36 | 24°51'52 | 12♑41 | 11°43 | 25°32 | 14°12 | 21° 2 | 2°12 | 17°58 | 0°30 | 5° 7 | 23°43 | 25° 0 | 27°37 | 11° 3 | W10 |
| T 11 | 13 36 32 | 25°50'01 | 26°52 | 13°38 | 26°46 | 14°44 | 20°57 | 2°15 | 17°56 | 0°29 | 5° 7 | 23°R43 | 24°56 | 27°43 | 11° 6 | T 11 |
| F 12 | 13 40 29 | 26°48'08 | 11♒ 6 | 15°36 | 28° 0 | 15°17 | 20°51 | 2°17 | 17°54 | 0°27 | 5°D 7 | 23°42 | 24°53 | 27°50 | 11° 9 | F 12 |
| S 13 | 13 44 26 | 27°46'14 | 25°19 | 17°35 | 29°14 | 15°49 | 20°46 | 2°20 | 17°52 | 0°26 | 5° 7 | 23°40 | 24°50 | 27°57 | 11°12 | S 13 |
| S 14 | 13 48 22 | 28°44'18 | 9♓29 | 19°35 | 0♉28 | 16°20 | 20°42 | 2°22 | 17°51 | 0°25 | 5° 7 | 23°38 | 24°47 | 28° 4 | 11°15 | S 14 |
| M15 | 13 52 19 | 29°42'21 | 23°33 | 21°38 | 1°42 | 16°52 | 20°37 | 2°24 | 17°49 | 0°23 | 5° 8 | 23°34 | 24°44 | 28°10 | 11°19 | M15 |
| T 16 | 13 56 15 | 0♉40'22 | 7♈27 | 23°41 | 2°55 | 17°24 | 20°32 | 2°27 | 17°47 | 0°22 | 5° 8 | 23°31 | 24°41 | 28°17 | 11°22 | T 16 |
| W17 | 14 0 12 | 1°38'21 | 21° 7 | 25°46 | 4° 9 | 17°55 | 20°28 | 2°29 | 17°46 | 0°20 | 5° 8 | 23°28 | 24°37 | 28°24 | 11°26 | W17 |
| T 18 | 14 4 8 | 2°36'20 | 4♉32 | 27°53 | 5°23 | 18°26 | 20°24 | 2°31 | 17°44 | 0°19 | 5° 8 | 23°26 | 24°34 | 28°30 | 11°29 | T 18 |
| F 19 | 14 8 5 | 3°34'16 | 17°39 | 0♉ 1 | 6°37 | 18°57 | 20°20 | 2°33 | 17°42 | 0°18 | 5° 8 | 23°D25 | 24°31 | 28°37 | 11°33 | F 19 |
| S 20 | 14 12 1 | 4°32'11 | 0♊28 | 2°10 | 7°51 | 19°28 | 20°16 | 2°34 | 17°41 | 0°16 | 5° 8 | 23°25 | 24°28 | 28°44 | 11°37 | S 20 |
| S 21 | 14 15 58 | 5°30'04 | 13° 0 | 4°19 | 9° 5 | 19°58 | 20°12 | 2°36 | 17°39 | 0°15 | 5° 9 | 23°26 | 24°25 | 28°51 | 11°41 | S 21 |
| M22 | 14 19 54 | 6°27'56 | 25°17 | 6°30 | 10°19 | 20°29 | 20° 8 | 2°38 | 17°38 | 0°14 | 5° 9 | 23°27 | 24°21 | 28°57 | 11°45 | M22 |
| T 23 | 14 23 51 | 7°25'46 | 7♋22 | 8°40 | 11°33 | 20°59 | 20° 5 | 2°39 | 17°37 | 0°13 | 5° 9 | 23°29 | 24°18 | 29° 4 | 11°49 | T 23 |
| W24 | 14 27 48 | 8°23'34 | 19°19 | 10°51 | 12°47 | 21°28 | 20° 2 | 2°41 | 17°35 | 0°11 | 5°10 | 23°30 | 24°15 | 29°11 | 11°53 | W24 |
| T 25 | 14 31 44 | 9°21'21 | 1♌12 | 13° 2 | 14° 0 | 21°58 | 19°59 | 2°42 | 17°34 | 0°10 | 5°10 | 23°31 | 24°12 | 29°17 | 11°57 | T 25 |
| F 26 | 14 35 41 | 10°19'05 | 13° 5 | 15°13 | 15°14 | 22°28 | 19°56 | 2°43 | 17°33 | 0° 9 | 5°10 | 23°R31 | 24° 9 | 29°24 | 12° 1 | F 26 |
| S 27 | 14 39 37 | 11°16'48 | 25° 4 | 17°23 | 16°28 | 22°57 | 19°53 | 2°44 | 17°31 | 0° 8 | 5°11 | 23°30 | 24° 6 | 29°31 | 12° 6 | S 27 |
| S 28 | 14 43 34 | 12°14'30 | 7♍12 | 19°31 | 17°42 | 23°26 | 19°51 | 2°45 | 17°30 | 0° 7 | 5°11 | 23°29 | 24° 2 | 29°37 | 12°10 | S 28 |
| M29 | 14 47 30 | 13°12'09 | 19°35 | 21°39 | 18°55 | 23°54 | 19°48 | 2°46 | 17°29 | 0° 6 | 5°12 | 23°28 | 23°59 | 29°44 | 12°14 | M29 |
| T 30 | 14 51 27 | 14♉ 9'47 | 2♎14 | 23♉45 | 20♉ 9 | 24♑23 | 19♍46 | 2♒47 | 17♍28 | 0♎ 5 | 5♌12 | 23♉27 | 23♉56 | 29♋51 | 12♋19 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n23 | 11n48 | 4n55 | 4s 0 | 2s29 | 4n39 | 1s10 | 24s 0 | 0s45 | 4n44 | 1n38 | 20s22 | 0s30 | 5n24 | 0n48 | 1n15 | 1n41 | 27n47 | 8n59 | 18n53 | 19n14 | 25n23 | 17n11 | 5s59 |
| T 2 | 6 45 | 6 26 | 4 28 | 3 18 | 2 26 | 5 9 | 1 9 | 24 0 | 0 47 | 4 46 | 1 38 | 20 21 | 0 30 | 5 24 | 0 48 | 1 16 | 1 41 | 27 47 | 8 58 | 18 51 | 19 14 | 25 22 | 17 11 | 5 58 |
| W 3 | 7 8 | 0 41 | 3 47 | 2 34 | 2 23 | 5 38 | 1 7 | 23 59 | 0 49 | 4 48 | 1 38 | 20 21 | 0 30 | 5 25 | 0 48 | 1 16 | 1 41 | 27 46 | 8 58 | 18 50 | 19 13 | 25 21 | 17 12 | 5 58 |
| T 4 | 7 30 | 5s13 | 2 53 | 1 50 | 2 20 | 6 8 | 1 6 | 23 58 | 0 51 | 4 51 | 1 38 | 20 20 | 0 30 | 5 26 | 0 48 | 1 17 | 1 41 | 27 46 | 8 58 | 18 49 | 19 12 | 25 20 | 17 12 | 5 57 |
| F 5 | 7 52 | 11 1 | 1 48 | 1 4 | 2 16 | 6 38 | 1 4 | 23 57 | 0 53 | 4 53 | 1 38 | 20 20 | 0 30 | 5 27 | 0 48 | 1 17 | 1 41 | 27 46 | 8 58 | 18 48 | 19 11 | 25 19 | 17 12 | 5 57 |
| S 6 | 8 14 | 16 24 | 0 37 | 0 17 | 2 12 | 7 7 | 1 2 | 23 57 | 0 55 | 4 55 | 1 38 | 20 19 | 0 30 | 5 28 | 0 48 | 1 18 | 1 41 | 27 46 | 8 58 | 18 47 | 19 10 | 25 18 | 17 13 | 5 56 |
| S 7 | 8 36 | 21 2 | 0s38 | 0n30 | 2 7 | 7 37 | 1 1 | 23 56 | 0 57 | 4 57 | 1 38 | 20 18 | 0 30 | 5 28 | 0 47 | 1 19 | 1 41 | 27 46 | 8 58 | 18 47 | 19 10 | 25 17 | 17 13 | 5 56 |
| M 8 | 8 58 | 24 32 | 1 52 | 1 19 | 2 1 | 8 6 | 0 59 | 23 54 | 0 59 | 4 59 | 1 37 | 20 18 | 0 31 | 5 29 | 0 47 | 1 19 | 1 41 | 27 46 | 8 57 | 18 48 | 19 9 | 25 16 | 17 13 | 5 55 |
| T 9 | 9 19 | 26 34 | 2 59 | 2 9 | 1 55 | 8 35 | 0 57 | 23 53 | 1 1 | 5 2 | 1 37 | 20 17 | 0 31 | 5 30 | 0 47 | 1 20 | 1 41 | 27 46 | 8 57 | 18 48 | 19 8 | 25 15 | 17 13 | 5 55 |
| W10 | 9 41 | 26 54 | 3 57 | 3 0 | 1 48 | 9 4 | 0 56 | 23 52 | 1 3 | 5 4 | 1 37 | 20 17 | 0 31 | 5 31 | 0 47 | 1 20 | 1 41 | 27 46 | 8 57 | 18 48 | 19 7 | 25 14 | 17 14 | 5 54 |
| T 11 | 10 2 | 25 28 | 4 40 | 3 51 | 1 42 | 9 32 | 0 54 | 23 51 | 1 6 | 5 5 | 1 37 | 20 16 | 0 31 | 5 31 | 0 47 | 1 21 | 1 41 | 27 45 | 8 57 | 18 49 | 19 7 | 25 13 | 17 14 | 5 54 |
| F 12 | 10 23 | 22 26 | 5 6 | 4 44 | 1 34 | 10 1 | 0 52 | 23 49 | 1 8 | 5 7 | 1 37 | 20 16 | 0 31 | 5 32 | 0 47 | 1 21 | 1 41 | 27 45 | 8 57 | 18 48 | 19 6 | 25 12 | 17 14 | 5 53 |
| S 13 | 10 44 | 18 4 | 5 13 | 5 37 | 1 26 | 10 29 | 0 50 | 23 48 | 1 10 | 5 9 | 1 36 | 20 16 | 0 31 | 5 33 | 0 47 | 1 22 | 1 41 | 27 45 | 8 57 | 18 48 | 19 5 | 25 11 | 17 14 | 5 53 |
| S 14 | 11 5 | 12 42 | 5 2 | 6 30 | 1 18 | 10 57 | 0 48 | 23 46 | 1 12 | 5 11 | 1 36 | 20 15 | 0 31 | 5 33 | 0 47 | 1 23 | 1 41 | 27 45 | 8 56 | 18 47 | 19 4 | 25 10 | 17 15 | 5 52 |
| M15 | 11 26 | 6 44 | 4 32 | 7 25 | 1 9 | 11 25 | 0 46 | 23 44 | 1 15 | 5 13 | 1 36 | 20 15 | 0 31 | 5 34 | 0 47 | 1 23 | 1 41 | 27 45 | 8 56 | 18 46 | 19 4 | 25 9 | 17 15 | 5 52 |
| T 16 | 11 46 | 0 29 | 3 46 | 8 19 | 1 0 | 11 52 | 0 44 | 23 43 | 1 17 | 5 14 | 1 36 | 20 14 | 0 32 | 5 35 | 0 47 | 1 24 | 1 41 | 27 44 | 8 56 | 18 45 | 19 3 | 25 8 | 17 15 | 5 51 |
| W17 | 12 7 | 5n41 | 2 48 | 9 14 | 0 50 | 12 19 | 0 42 | 23 41 | 1 19 | 5 16 | 1 36 | 20 14 | 0 32 | 5 35 | 0 47 | 1 24 | 1 41 | 27 44 | 8 56 | 18 45 | 19 2 | 25 7 | 17 15 | 5 51 |
| T 18 | 12 27 | 11 30 | 1 42 | 10 9 | 0 40 | 12 46 | 0 40 | 23 39 | 1 22 | 5 17 | 1 35 | 20 14 | 0 32 | 5 36 | 0 47 | 1 25 | 1 41 | 27 44 | 8 56 | 18 44 | 19 1 | 25 6 | 17 15 | 5 51 |
| F 19 | 12 47 | 16 41 | 0 32 | 11 4 | 0 30 | 13 12 | 0 38 | 23 37 | 1 24 | 5 19 | 1 35 | 20 13 | 0 32 | 5 36 | 0 47 | 1 25 | 1 41 | 27 44 | 8 55 | 18 44 | 19 0 | 25 5 | 17 15 | 5 50 |
| S 20 | 13 6 | 21 0 | 0n39 | 11 59 | 0 20 | 13 39 | 0 36 | 23 35 | 1 27 | 5 20 | 1 35 | 20 13 | 0 32 | 5 37 | 0 47 | 1 26 | 1 41 | 27 44 | 8 55 | 18 44 | 19 0 | 25 4 | 17 15 | 5 50 |
| S 21 | 13 26 | 24 14 | 1 46 | 12 53 | 0 10 | 14 5 | 0 34 | 23 33 | 1 29 | 5 21 | 1 35 | 20 13 | 0 32 | 5 38 | 0 47 | 1 26 | 1 41 | 27 43 | 8 55 | 18 44 | 18 59 | 25 3 | 17 16 | 5 49 |
| M22 | 13 45 | 26 16 | 2 47 | 13 47 | 0n 1 | 14 30 | 0 31 | 23 31 | 1 32 | 5 23 | 1 35 | 20 13 | 0 32 | 5 38 | 0 47 | 1 27 | 1 41 | 27 43 | 8 55 | 18 45 | 18 58 | 25 2 | 17 16 | 5 49 |
| T 23 | 14 4 | 27 1 | 3 39 | 14 39 | 0 12 | 14 55 | 0 29 | 23 29 | 1 34 | 5 24 | 1 34 | 20 12 | 0 33 | 5 39 | 0 47 | 1 27 | 1 41 | 27 43 | 8 55 | 18 45 | 18 57 | 25 1 | 17 16 | 5 48 |
| W24 | 14 23 | 26 29 | 4 22 | 15 31 | 0 22 | 15 20 | 0 27 | 23 27 | 1 37 | 5 25 | 1 34 | 20 12 | 0 33 | 5 39 | 0 47 | 1 28 | 1 41 | 27 43 | 8 55 | 18 45 | 18 56 | 25 0 | 17 16 | 5 48 |
| T 25 | 14 42 | 24 45 | 4 53 | 16 21 | 0 33 | 15 44 | 0 25 | 23 25 | 1 40 | 5 26 | 1 34 | 20 12 | 0 33 | 5 40 | 0 47 | 1 28 | 1 41 | 27 42 | 8 54 | 18 45 | 18 56 | 24 59 | 17 16 | 5 48 |
| F 26 | 15 0 | 21 57 | 5 11 | 17 10 | 0 43 | 16 9 | 0 22 | 23 22 | 1 42 | 5 27 | 1 34 | 20 12 | 0 33 | 5 40 | 0 47 | 1 28 | 1 41 | 27 42 | 8 54 | 18 45 | 18 55 | 24 58 | 17 16 | 5 47 |
| S 27 | 15 18 | 18 12 | 5 16 | 17 57 | 0 53 | 16 32 | 0 20 | 23 20 | 1 45 | 5 28 | 1 34 | 20 12 | 0 33 | 5 40 | 0 47 | 1 29 | 1 40 | 27 42 | 8 54 | 18 45 | 18 54 | 24 57 | 17 16 | 5 47 |
| S 28 | 15 36 | 13 39 | 5 7 | 18 43 | 1 2 | 16 55 | 0 18 | 23 18 | 1 48 | 5 28 | 1 33 | 20 12 | 0 33 | 5 41 | 0 47 | 1 29 | 1 40 | 27 41 | 8 54 | 18 45 | 18 53 | 24 55 | 17 16 | 5 46 |
| M29 | 15 53 | 8 30 | 4 44 | 19 26 | 1 12 | 17 18 | 0 15 | 23 16 | 1 51 | 5 29 | 1 33 | 20 12 | 0 33 | 5 41 | 0 47 | 1 30 | 1 40 | 27 41 | 8 54 | 18 45 | 18 53 | 24 54 | 17 16 | 5 46 |
| T 30 | 16n11 | 2n53 | 4n 7 | 20n 7 | 1n20 | 17n40 | 0s13 | 23s13 | 1s53 | 5n30 | 1n33 | 20s12 | 0s34 | 5n42 | 0n47 | 1n30 | 1n40 | 27n41 | 8n54 | 18n44 | 18n52 | 24n53 | 17n16 | 5s45 |

Julian Day Number = 2072153.5, Delta T = 27m47s
Ecliptic obliquity = 23°34'31, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'49, Lahiri = 9°22'50 Julian Calendar 1 Apr. 961 == Greg. Calendar 6 Apr. 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## MAY 961 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 55 23 | 15♉ 7'24 | 15♎13 | 25♉50 | 21♉23 | 24♏51 | 19°R44 | 2♒48 | 17°R27 | 0°R 4 | 5♌13 | 23°R26 | 23♉53 | 29♋58 | 12♋24 | W 1 |
| T 2 | 14 59 20 | 16° 4'59 | 28°32 | 27°53 | 22°37 | 25°19 | 19♍42 | 2°48 | 17♍26 | 0♎ 2 | 5°13 | 23♉25 | 23°50 | 0♌ 4 | 12°28 | T 2 |
| F 3 | 15 3 17 | 17° 2'33 | 12♏11 | 29°53 | 23°50 | 25°46 | 19°41 | 2°49 | 17°25 | 0° 1 | 5°14 | 23°25 | 23°46 | 0°11 | 12°33 | F 3 |
| S 4 | 15 7 13 | 18° 0'05 | 26° 7 | 1♊51 | 25° 4 | 26°14 | 19°39 | 2°49 | 17°24 | 0° 0 | 5°14 | 23°D24 | 23°43 | 0°18 | 12°38 | S 4 |
| S 5 | 15 11 10 | 18°57'37 | 10♐18 | 3°47 | 26°18 | 26°41 | 19°38 | 2°50 | 17°24 | 29♍59 | 5°15 | 23°25 | 23°40 | 0°24 | 12°43 | S 5 |
| M 6 | 15 15 6 | 19°55'07 | 24°38 | 5°41 | 27°31 | 27° 7 | 19°37 | 2°50 | 17°23 | 29°59 | 5°16 | 23°25 | 23°37 | 0°31 | 12°48 | M 6 |
| T 7 | 15 19 3 | 20°52'37 | 9♑ 4 | 7°31 | 28°45 | 27°34 | 19°36 | 2°50 | 17°22 | 29°58 | 5°16 | 23°25 | 23°34 | 0°38 | 12°53 | T 7 |
| W 8 | 15 22 59 | 21°50'05 | 23°30 | 9°19 | 29°59 | 28° 0 | 19°35 | 2°R50 | 17°21 | 29°57 | 5°17 | 23°25 | 23°31 | 0°45 | 12°58 | W 8 |
| T 9 | 15 26 56 | 22°47'33 | 7♒53 | 11° 5 | 1♊13 | 28°26 | 19°34 | 2°50 | 17°21 | 29°56 | 5°18 | 23°25 | 23°27 | 0°51 | 13° 3 | T 9 |
| F 10 | 15 30 53 | 23°45'00 | 22° 8 | 12°47 | 2°26 | 28°51 | 19°34 | 2°50 | 17°20 | 29°55 | 5°18 | 23°25 | 23°24 | 0°58 | 13° 8 | F 10 |
| S 11 | 15 34 49 | 24°42'26 | 6♓13 | 14°27 | 3°40 | 29°16 | 19°34 | 2°50 | 17°20 | 29°54 | 5°19 | 23°26 | 23°21 | 1° 5 | 13°13 | S 11 |
| S 12 | 15 38 46 | 25°39'51 | 20° 7 | 16° 4 | 4°53 | 29°41 | 19°D34 | 2°49 | 17°19 | 29°54 | 5°20 | 23°26 | 23°18 | 1°11 | 13°18 | S 12 |
| M13 | 15 42 42 | 26°37'16 | 3♈49 | 17°38 | 6° 7 | 0♒ 6 | 19°34 | 2°49 | 17°19 | 29°53 | 5°21 | 23°26 | 23°15 | 1°18 | 13°24 | M13 |
| T 14 | 15 46 39 | 27°34'40 | 17°17 | 19° 9 | 7°21 | 0°30 | 19°34 | 2°48 | 17°18 | 29°52 | 5°22 | 23°26 | 23°12 | 1°25 | 13°29 | T 14 |
| W15 | 15 50 35 | 28°32'03 | 0♉31 | 20°37 | 8°34 | 0°53 | 19°35 | 2°48 | 17°18 | 29°51 | 5°23 | 23°27 | 23° 8 | 1°32 | 13°34 | W15 |
| T 16 | 15 54 32 | 29°29'26 | 13°32 | 22° 2 | 9°48 | 1°16 | 19°35 | 2°47 | 17°18 | 29°51 | 5°24 | 23°27 | 23° 5 | 1°38 | 13°40 | T 16 |
| F 17 | 15 58 28 | 0♊26'48 | 26°19 | 23°24 | 11° 2 | 1°39 | 19°36 | 2°46 | 17°18 | 29°50 | 5°25 | 23°R27 | 23° 2 | 1°45 | 13°45 | F 17 |
| S 18 | 16 2 25 | 1°24'08 | 8♊53 | 24°43 | 12°15 | 2° 2 | 19°37 | 2°45 | 17°17 | 29°50 | 5°25 | 23°27 | 22°59 | 1°52 | 13°51 | S 18 |
| S 19 | 16 6 22 | 2°21'29 | 21°14 | 25°59 | 13°29 | 2°24 | 19°39 | 2°44 | 17°17 | 29°49 | 5°26 | 23°26 | 22°56 | 1°58 | 13°57 | S 19 |
| M20 | 16 10 18 | 3°18'48 | 3♋25 | 27°12 | 14°42 | 2°45 | 19°40 | 2°43 | 17°D17 | 29°48 | 5°27 | 23°25 | 22°52 | 2° 5 | 14° 2 | M20 |
| T 21 | 16 14 15 | 4°16'06 | 15°27 | 28°22 | 15°56 | 3° 6 | 19°42 | 2°42 | 17°17 | 29°48 | 5°28 | 23°23 | 22°49 | 2°12 | 14° 8 | T 21 |
| W22 | 16 18 11 | 5°13'24 | 27°22 | 29°28 | 17° 9 | 3°27 | 19°43 | 2°41 | 17°17 | 29°47 | 5°30 | 23°22 | 22°46 | 2°19 | 14°14 | W22 |
| T 23 | 16 22 8 | 6°10'41 | 9♌14 | 0♋31 | 18°23 | 3°47 | 19°45 | 2°39 | 17°18 | 29°47 | 5°31 | 23°20 | 22°43 | 2°25 | 14°20 | T 23 |
| F 24 | 16 26 4 | 7° 7'56 | 21° 7 | 1°31 | 19°37 | 4° 7 | 19°47 | 2°38 | 17°18 | 29°47 | 5°32 | 23°19 | 22°40 | 2°32 | 14°26 | F 24 |
| S 25 | 16 30 1 | 8° 5'11 | 3♍ 5 | 2°27 | 20°50 | 4°26 | 19°50 | 2°36 | 17°18 | 29°46 | 5°33 | 23°D19 | 22°37 | 2°39 | 14°32 | S 25 |
| S 26 | 16 33 57 | 9° 2'25 | 15°12 | 3°19 | 22° 4 | 4°45 | 19°52 | 2°35 | 17°18 | 29°46 | 5°34 | 23°19 | 22°33 | 2°45 | 14°38 | S 26 |
| M27 | 16 37 54 | 9°59'38 | 27°33 | 4° 8 | 23°17 | 5° 3 | 19°55 | 2°33 | 17°19 | 29°45 | 5°35 | 23°19 | 22°30 | 2°52 | 14°44 | M27 |
| T 28 | 16 41 51 | 10°56'51 | 10♎12 | 4°53 | 24°31 | 5°21 | 19°58 | 2°31 | 17°19 | 29°45 | 5°36 | 23°20 | 22°27 | 2°59 | 14°50 | T 28 |
| W29 | 16 45 47 | 11°54'02 | 23°12 | 5°34 | 25°44 | 5°38 | 20° 0 | 2°29 | 17°19 | 29°45 | 5°38 | 23°22 | 22°24 | 3° 6 | 14°56 | W29 |
| T 30 | 16 49 44 | 12°51'13 | 6♏37 | 6°11 | 26°58 | 5°54 | 20° 4 | 2°27 | 17°20 | 29°45 | 5°39 | 23°23 | 22°21 | 3°12 | 15° 2 | T 30 |
| F 31 | 16 53 40 | 13♊48'24 | 20♏27 | 6♋44 | 28♊11 | 6♒10 | 20♍ 7 | 2♒25 | 17♍20 | 29♍44 | 5♌40 | 23°R24 | 22♉18 | 3♌19 | 15♋ 8 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n28 | 3s 1 | 3n16 | 20n45 | 1n29 | 18n 2 | 0s11 | 23s11 | 1s56 | 5n30 | 1n33 | 20s11 | 0s34 | 5n42 | 0n47 | 1n31 | 1n40 | 27n41 | 8n53 | 18n44 | 18n51 | 24n52 | 17n16 | 5s45 |
| T 2 | 16 45 | 8 56 | 2 13 | 21 22 | 1 36 | 18 24 | 0 8 | 23 9 | 1 59 | 5 31 | 1 32 | 20 11 | 0 34 | 5 42 | 0 47 | 1 31 | 1 40 | 27 40 | 8 53 | 18 44 | 18 50 | 24 51 | 17 16 | 5 45 |
| F 3 | 17 1 | 14 36 | 1 2 | 21 55 | 1 43 | 18 45 | 0 6 | 23 7 | 2 2 | 5 31 | 1 32 | 20 11 | 0 34 | 5 43 | 0 47 | 1 31 | 1 40 | 27 40 | 8 53 | 18 44 | 18 49 | 24 50 | 17 16 | 5 44 |
| S 4 | 17 17 | 19 38 | 0s15 | 22 26 | 1 50 | 19 5 | 0 3 | 23 4 | 2 5 | 5 32 | 1 32 | 20 12 | 0 34 | 5 43 | 0 47 | 1 32 | 1 40 | 27 40 | 8 53 | 18 44 | 18 49 | 24 49 | 17 16 | 5 44 |
| S 5 | 17 33 | 23 38 | 1 32 | 22 55 | 1 55 | 19 25 | 0 1 | 23 2 | 2 8 | 5 32 | 1 32 | 20 12 | 0 34 | 5 43 | 0 47 | 1 32 | 1 40 | 27 39 | 8 53 | 18 44 | 18 48 | 24 48 | 17 16 | 5 44 |
| M 6 | 17 49 | 26 12 | 2 45 | 23 21 | 2 0 | 19 44 | 0n 1 | 23 0 | 2 11 | 5 32 | 1 31 | 20 12 | 0 34 | 5 44 | 0 46 | 1 32 | 1 40 | 27 39 | 8 52 | 18 44 | 18 47 | 24 46 | 17 16 | 5 43 |
| T 7 | 18 5 | 27 2 | 3 47 | 23 44 | 2 4 | 20 3 | 0 4 | 22 58 | 2 14 | 5 32 | 1 31 | 20 12 | 0 34 | 5 44 | 0 46 | 1 33 | 1 40 | 27 39 | 8 52 | 18 44 | 18 46 | 24 45 | 17 16 | 5 43 |
| W 8 | 18 20 | 26 2 | 4 35 | 24 5 | 2 8 | 20 22 | 0 6 | 22 55 | 2 17 | 5 32 | 1 31 | 20 12 | 0 35 | 5 44 | 0 46 | 1 33 | 1 40 | 27 38 | 8 52 | 18 44 | 18 45 | 24 44 | 17 15 | 5 42 |
| T 9 | 18 34 | 23 19 | 5 5 | 24 23 | 2 11 | 20 40 | 0 9 | 22 53 | 2 21 | 5 32 | 1 31 | 20 12 | 0 35 | 5 44 | 0 46 | 1 33 | 1 40 | 27 38 | 8 52 | 18 44 | 18 45 | 24 43 | 17 15 | 5 42 |
| F 10 | 18 49 | 19 12 | 5 17 | 24 39 | 2 13 | 20 57 | 0 11 | 22 51 | 2 24 | 5 32 | 1 30 | 20 12 | 0 35 | 5 44 | 0 46 | 1 34 | 1 40 | 27 38 | 8 52 | 18 44 | 18 44 | 24 42 | 17 15 | 5 42 |
| S 11 | 19 3 | 14 3 | 5 9 | 24 53 | 2 14 | 21 13 | 0 13 | 22 49 | 2 27 | 5 32 | 1 30 | 20 12 | 0 35 | 5 45 | 0 46 | 1 34 | 1 40 | 27 37 | 8 52 | 18 44 | 18 43 | 24 40 | 17 15 | 5 41 |
| S 12 | 19 17 | 8 16 | 4 43 | 25 4 | 2 14 | 21 30 | 0 16 | 22 47 | 2 30 | 5 32 | 1 30 | 20 13 | 0 35 | 5 45 | 0 46 | 1 34 | 1 40 | 27 37 | 8 51 | 18 44 | 18 42 | 24 39 | 17 15 | 5 41 |
| M13 | 19 31 | 2 10 | 4 2 | 25 13 | 2 14 | 21 45 | 0 18 | 22 45 | 2 34 | 5 32 | 1 30 | 20 13 | 0 35 | 5 45 | 0 46 | 1 34 | 1 40 | 27 36 | 8 51 | 18 44 | 18 41 | 24 38 | 17 15 | 5 41 |
| T 14 | 19 44 | 3n56 | 3 7 | 25 20 | 2 12 | 22 0 | 0 21 | 22 43 | 2 37 | 5 31 | 1 29 | 20 13 | 0 35 | 5 45 | 0 46 | 1 35 | 1 40 | 27 36 | 8 51 | 18 44 | 18 41 | 24 37 | 17 14 | 5 40 |
| W15 | 19 57 | 9 47 | 2 4 | 25 25 | 2 10 | 22 14 | 0 23 | 22 41 | 2 41 | 5 31 | 1 29 | 20 13 | 0 36 | 5 45 | 0 46 | 1 35 | 1 40 | 27 36 | 8 51 | 18 44 | 18 40 | 24 36 | 17 14 | 5 40 |
| T 16 | 20 9 | 15 7 | 0 55 | 25 27 | 2 8 | 22 28 | 0 25 | 22 39 | 2 44 | 5 30 | 1 29 | 20 14 | 0 36 | 5 45 | 0 46 | 1 35 | 1 40 | 27 35 | 8 51 | 18 44 | 18 39 | 24 34 | 17 14 | 5 40 |
| F 17 | 20 22 | 19 42 | 0n16 | 25 29 | 2 4 | 22 41 | 0 28 | 22 38 | 2 48 | 5 30 | 1 29 | 20 14 | 0 36 | 5 45 | 0 46 | 1 35 | 1 40 | 27 35 | 8 51 | 18 44 | 18 38 | 24 33 | 17 14 | 5 40 |
| S 18 | 20 34 | 23 18 | 1 24 | 25 28 | 2 0 | 22 53 | 0 30 | 22 36 | 2 51 | 5 29 | 1 28 | 20 14 | 0 36 | 5 45 | 0 46 | 1 36 | 1 40 | 27 35 | 8 51 | 18 44 | 18 37 | 24 32 | 17 14 | 5 39 |
| S 19 | 20 45 | 25 45 | 2 28 | 25 26 | 1 55 | 23 5 | 0 32 | 22 34 | 2 55 | 5 28 | 1 28 | 20 15 | 0 36 | 5 45 | 0 46 | 1 36 | 1 40 | 27 34 | 8 50 | 18 44 | 18 37 | 24 31 | 17 13 | 5 39 |
| M20 | 20 56 | 26 55 | 3 23 | 25 22 | 1 49 | 23 16 | 0 35 | 22 33 | 2 59 | 5 27 | 1 28 | 20 15 | 0 36 | 5 45 | 0 46 | 1 36 | 1 40 | 27 34 | 8 50 | 18 44 | 18 36 | 24 29 | 17 13 | 5 39 |
| T 21 | 21 7 | 26 48 | 4 9 | 25 16 | 1 42 | 23 26 | 0 37 | 22 32 | 3 2 | 5 27 | 1 27 | 20 16 | 0 36 | 5 45 | 0 46 | 1 36 | 1 40 | 27 33 | 8 50 | 18 44 | 18 35 | 24 28 | 17 13 | 5 38 |
| W22 | 21 18 | 25 27 | 4 44 | 25 10 | 1 35 | 23 36 | 0 39 | 22 30 | 3 6 | 5 26 | 1 27 | 20 16 | 0 37 | 5 45 | 0 46 | 1 36 | 1 40 | 27 33 | 8 50 | 18 43 | 18 34 | 24 27 | 17 12 | 5 38 |
| T 23 | 21 28 | 22 58 | 5 6 | 25 2 | 1 27 | 23 45 | 0 41 | 22 29 | 3 10 | 5 25 | 1 27 | 20 16 | 0 37 | 5 45 | 0 46 | 1 36 | 1 39 | 27 33 | 8 50 | 18 43 | 18 33 | 24 26 | 17 12 | 5 38 |
| F 24 | 21 37 | 19 31 | 5 16 | 24 52 | 1 18 | 23 53 | 0 44 | 22 28 | 3 14 | 5 24 | 1 27 | 20 17 | 0 37 | 5 45 | 0 46 | 1 36 | 1 39 | 27 32 | 8 50 | 18 43 | 18 33 | 24 24 | 17 12 | 5 38 |
| S 25 | 21 47 | 15 16 | 5 11 | 24 42 | 1 9 | 24 1 | 0 46 | 22 27 | 3 17 | 5 22 | 1 26 | 20 17 | 0 37 | 5 45 | 0 46 | 1 37 | 1 39 | 27 32 | 8 50 | 18 42 | 18 32 | 24 23 | 17 11 | 5 37 |
| S 26 | 21 56 | 10 22 | 4 53 | 24 31 | 0 59 | 24 8 | 0 48 | 22 26 | 3 21 | 5 21 | 1 26 | 20 18 | 0 37 | 5 45 | 0 46 | 1 37 | 1 39 | 27 31 | 8 49 | 18 42 | 18 31 | 24 22 | 17 11 | 5 37 |
| M27 | 22 5 | 4 58 | 4 21 | 24 19 | 0 48 | 24 14 | 0 50 | 22 26 | 3 25 | 5 20 | 1 26 | 20 18 | 0 37 | 5 44 | 0 46 | 1 37 | 1 39 | 27 31 | 8 49 | 18 43 | 18 30 | 24 20 | 17 10 | 5 37 |
| T 28 | 22 13 | 0s45 | 3 36 | 24 6 | 0 37 | 24 20 | 0 52 | 22 25 | 3 29 | 5 19 | 1 26 | 20 19 | 0 37 | 5 44 | 0 46 | 1 37 | 1 39 | 27 30 | 8 49 | 18 43 | 18 29 | 24 19 | 17 10 | 5 37 |
| W29 | 22 21 | 6 37 | 2 39 | 23 52 | 0 25 | 24 25 | 0 54 | 22 25 | 3 33 | 5 17 | 1 25 | 20 20 | 0 38 | 5 44 | 0 46 | 1 37 | 1 39 | 27 30 | 8 49 | 18 43 | 18 28 | 24 18 | 17 10 | 5 36 |
| T 30 | 22 28 | 12 22 | 1 31 | 23 38 | 0 12 | 24 29 | 0 56 | 22 25 | 3 37 | 5 16 | 1 25 | 20 20 | 0 38 | 5 44 | 0 45 | 1 37 | 1 39 | 27 29 | 8 49 | 18 43 | 18 28 | 24 17 | 17 9 | 5 36 |
| F 31 | 22n35 | 17s42 | 0n16 | 23n23 | 0s 1 | 24n32 | 0n58 | 22s24 | 3s41 | 5n14 | 1n25 | 20s21 | 0s38 | 5n44 | 0n45 | 1n37 | 1n39 | 27n29 | 8n49 | 18n44 | 18n27 | 24n15 | 17n 9 | 5s36 |

Julian Day Number = 2072183.5, Delta T = 27m47s
Ecliptic obliquity = 23°34'31, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'53, Lahiri = 9°22'54 Julian Calendar 1 May 961 == Greg. Calendar 6 May 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## JUNE 961 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 57 37 | 14♊45'34 | 4♐39 | 7♋13 | 29♊24 | 6♒26 | 20♍10 | 2°R23 | 17♍21 | 29°R44 | 5♌41 | 23°R23 | 22♉14 | 3♌26 | 15♋14 | S 1 |
| S 2 | 17 1 33 | 15°42'43 | 19°12 | 7°38 | 0♋38 | 6°41 | 20°14 | 2♒20 | 17°22 | 29♍44 | 5°43 | 23♉22 | 22°11 | 3°32 | 15°21 | S 2 |
| M 3 | 17 5 30 | 16°39'53 | 3♑58 | 7°58 | 1°51 | 6°55 | 20°18 | 2°18 | 17°22 | 29°44 | 5°44 | 23°20 | 22° 8 | 3°39 | 15°27 | M 3 |
| T 4 | 17 9 26 | 17°37'02 | 18°50 | 8°14 | 3° 5 | 7° 9 | 20°22 | 2°16 | 17°23 | 29°44 | 5°45 | 23°17 | 22° 5 | 3°46 | 15°33 | T 4 |
| W 5 | 17 13 23 | 18°34'11 | 3♒41 | 8°25 | 4°18 | 7°22 | 20°26 | 2°13 | 17°24 | 29°44 | 5°47 | 23°13 | 22° 2 | 3°53 | 15°40 | W 5 |
| T 6 | 17 17 20 | 19°31'20 | 18°22 | 8°31 | 5°32 | 7°35 | 20°30 | 2°10 | 17°25 | 29°D44 | 5°48 | 23°10 | 21°58 | 3°59 | 15°46 | T 6 |
| F 7 | 17 21 16 | 20°28'29 | 2♓49 | 8°R33 | 6°45 | 7°47 | 20°35 | 2° 8 | 17°26 | 29°44 | 5°49 | 23° 8 | 21°55 | 4° 6 | 15°52 | F 7 |
| S 8 | 17 25 13 | 21°25'38 | 16°57 | 8°31 | 7°58 | 7°58 | 20°39 | 2° 5 | 17°27 | 29°44 | 5°51 | 23°D 7 | 21°52 | 4°13 | 15°59 | S 8 |
| S 9 | 17 29 9 | 22°22'47 | 0♈45 | 8°24 | 9°12 | 8° 8 | 20°44 | 2° 2 | 17°28 | 29°44 | 5°52 | 23° 7 | 21°49 | 4°20 | 16° 5 | S 9 |
| M10 | 17 33 6 | 23°19'57 | 14°14 | 8°12 | 10°25 | 8°18 | 20°49 | 1°59 | 17°29 | 29°44 | 5°54 | 23° 8 | 21°46 | 4°26 | 16°12 | M10 |
| T 11 | 17 37 2 | 24°17'06 | 27°24 | 7°56 | 11°38 | 8°28 | 20°54 | 1°56 | 17°30 | 29°44 | 5°55 | 23°10 | 21°43 | 4°33 | 16°19 | T 11 |
| W12 | 17 40 59 | 25°14'16 | 10♉19 | 7°36 | 12°52 | 8°36 | 20°59 | 1°53 | 17°31 | 29°45 | 5°57 | 23°11 | 21°39 | 4°40 | 16°25 | W12 |
| T 13 | 17 44 55 | 26°11'26 | 22°59 | 7°12 | 14° 5 | 8°44 | 21° 4 | 1°50 | 17°32 | 29°45 | 5°58 | 23°R12 | 21°36 | 4°46 | 16°32 | T 13 |
| F 14 | 17 48 52 | 27° 8'37 | 5♊28 | 6°45 | 15°19 | 8°51 | 21°10 | 1°47 | 17°33 | 29°45 | 6° 0 | 23°11 | 21°33 | 4°53 | 16°38 | F 14 |
| S 15 | 17 52 49 | 28° 5'47 | 17°46 | 6°14 | 16°32 | 8°57 | 21°15 | 1°43 | 17°35 | 29°45 | 6° 1 | 23° 9 | 21°30 | 5° 0 | 16°45 | S 15 |
| S 16 | 17 56 45 | 29° 2'58 | 29°55 | 5°41 | 17°45 | 9° 3 | 21°21 | 1°40 | 17°36 | 29°46 | 6° 3 | 23° 5 | 21°27 | 5° 7 | 16°52 | S 16 |
| M17 | 18 0 42 | 0♋ 0'09 | 11♋58 | 5° 6 | 18°59 | 9° 7 | 21°27 | 1°37 | 17°37 | 29°46 | 6° 4 | 22°59 | 21°24 | 5°13 | 16°58 | M17 |
| T 18 | 18 4 38 | 0°57'20 | 23°54 | 4°29 | 20°12 | 9°11 | 21°33 | 1°33 | 17°39 | 29°46 | 6° 6 | 22°53 | 21°20 | 5°20 | 17° 5 | T 18 |
| W19 | 18 8 35 | 1°54'31 | 5♌47 | 3°51 | 21°25 | 9°15 | 21°39 | 1°30 | 17°40 | 29°47 | 6° 7 | 22°46 | 21°17 | 5°27 | 17°12 | W19 |
| T 20 | 18 12 31 | 2°51'42 | 17°39 | 3°12 | 22°38 | 9°17 | 21°46 | 1°26 | 17°42 | 29°47 | 6° 9 | 22°39 | 21°14 | 5°33 | 17°19 | T 20 |
| F 21 | 18 16 28 | 3°48'54 | 29°31 | 2°34 | 23°52 | 9°19 | 21°52 | 1°22 | 17°44 | 29°48 | 6°11 | 22°33 | 21°11 | 5°40 | 17°25 | F 21 |
| S 22 | 18 20 25 | 4°46'05 | 11♍28 | 1°57 | 25° 5 | 9°20 | 21°59 | 1°19 | 17°45 | 29°48 | 6°12 | 22°29 | 21° 8 | 5°47 | 17°32 | S 22 |
| S 23 | 18 24 21 | 5°43'16 | 23°33 | 1°21 | 26°18 | 9°R20 | 22° 6 | 1°15 | 17°47 | 29°49 | 6°14 | 22°26 | 21° 4 | 5°54 | 17°39 | S 23 |
| M24 | 18 28 18 | 6°40'28 | 5♎51 | 0°48 | 27°31 | 9°20 | 22°13 | 1°11 | 17°49 | 29°49 | 6°16 | 22°D25 | 21° 1 | 6° 0 | 17°46 | M24 |
| T 25 | 18 32 14 | 7°37'39 | 18°26 | 0°17 | 28°45 | 9°18 | 22°20 | 1° 7 | 17°50 | 29°50 | 6°17 | 22°26 | 20°58 | 6° 7 | 17°53 | T 25 |
| W26 | 18 36 11 | 8°34'51 | 1♏23 | 29♊50 | 29°58 | 9°16 | 22°27 | 1° 3 | 17°52 | 29°51 | 6°19 | 22°27 | 20°55 | 6°14 | 18° 0 | W26 |
| T 27 | 18 40 7 | 9°32'03 | 14°45 | 29°27 | 1♌11 | 9°13 | 22°34 | 0°59 | 17°54 | 29°51 | 6°21 | 22°28 | 20°52 | 6°20 | 18° 7 | T 27 |
| F 28 | 18 44 4 | 10°29'15 | 28°34 | 29° 8 | 2°24 | 9°10 | 22°41 | 0°55 | 17°56 | 29°52 | 6°22 | 22°R28 | 20°49 | 6°27 | 18°13 | F 28 |
| S 29 | 18 48 0 | 11°26'28 | 12♐52 | 28°54 | 3°37 | 9° 5 | 22°49 | 0°51 | 17°58 | 29°53 | 6°24 | 22°26 | 20°45 | 6°34 | 18°20 | S 29 |
| S 30 | 18 51 57 | 12♋23'41 | 27♐35 | 28♊45 | 4♌51 | 9♒ 0 | 22♍57 | 0♒47 | 18♍ 0 | 29♍53 | 6♌26 | 22♉23 | 20♉42 | 6♌41 | 18♋27 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n42 | 22s12 | 1s 2 | 23n 7 | 0s15 | 24n35 | 1n 0 | 22s24 | 3s46 | 5n13 | 1n25 | 20s21 | 0s38 | 5n43 | 0n45 | 1n37 | 1n39 | 27n29 | 8n49 | 18n44 | 18n26 | 24n14 | 17n 8 | 5s36 |
| S 2 | 22 48 | 25 25 | 2 17 | 22 52 | 0 30 | 24 37 | 1 2 | 22 25 | 3 50 | 5 11 | 1 24 | 20 22 | 0 38 | 5 43 | 0 45 | 1 37 | 1 39 | 27 28 | 8 48 | 18 43 | 18 25 | 24 13 | 17 8 | 5 36 |
| M 3 | 22 54 | 26 56 | 3 25 | 22 36 | 0 44 | 24 38 | 1 4 | 22 25 | 3 54 | 5 9 | 1 24 | 20 23 | 0 38 | 5 43 | 0 45 | 1 37 | 1 39 | 27 28 | 8 48 | 18 43 | 18 24 | 24 11 | 17 7 | 5 35 |
| T 4 | 23 0 | 26 31 | 4 19 | 22 20 | 0 59 | 24 38 | 1 6 | 22 25 | 3 58 | 5 7 | 1 24 | 20 23 | 0 38 | 5 42 | 0 45 | 1 37 | 1 39 | 27 27 | 8 48 | 18 42 | 18 24 | 24 10 | 17 7 | 5 35 |
| W 5 | 23 5 | 24 13 | 4 55 | 22 4 | 1 15 | 24 38 | 1 8 | 22 26 | 4 2 | 5 6 | 1 24 | 20 24 | 0 39 | 5 42 | 0 45 | 1 37 | 1 39 | 27 27 | 8 48 | 18 41 | 18 23 | 24 8 | 17 6 | 5 35 |
| T 6 | 23 10 | 20 21 | 5 12 | 21 47 | 1 31 | 24 37 | 1 9 | 22 27 | 4 7 | 5 4 | 1 23 | 20 25 | 0 39 | 5 42 | 0 45 | 1 37 | 1 39 | 27 26 | 8 48 | 18 40 | 18 22 | 24 7 | 17 6 | 5 35 |
| F 7 | 23 14 | 15 19 | 5 9 | 21 31 | 1 47 | 24 35 | 1 11 | 22 28 | 4 11 | 5 2 | 1 23 | 20 26 | 0 39 | 5 41 | 0 45 | 1 37 | 1 39 | 27 26 | 8 48 | 18 40 | 18 21 | 24 6 | 17 5 | 5 35 |
| S 8 | 23 18 | 9 35 | 4 47 | 21 16 | 2 3 | 24 33 | 1 13 | 22 29 | 4 15 | 5 0 | 1 23 | 20 26 | 0 39 | 5 41 | 0 45 | 1 37 | 1 39 | 27 25 | 8 48 | 18 39 | 18 20 | 24 4 | 17 5 | 5 34 |
| S 9 | 23 21 | 3 30 | 4 8 | 21 0 | 2 19 | 24 29 | 1 14 | 22 31 | 4 20 | 4 58 | 1 23 | 20 27 | 0 39 | 5 40 | 0 45 | 1 37 | 1 39 | 27 25 | 8 48 | 18 40 | 18 19 | 24 3 | 17 4 | 5 34 |
| M10 | 23 24 | 2n37 | 3 17 | 20 45 | 2 34 | 24 25 | 1 16 | 22 32 | 4 24 | 4 55 | 1 22 | 20 28 | 0 39 | 5 40 | 0 45 | 1 37 | 1 39 | 27 24 | 8 48 | 18 40 | 18 19 | 24 2 | 17 3 | 5 34 |
| T 11 | 23 27 | 8 29 | 2 16 | 20 30 | 2 50 | 24 21 | 1 17 | 22 34 | 4 29 | 4 53 | 1 22 | 20 29 | 0 39 | 5 39 | 0 45 | 1 37 | 1 39 | 27 24 | 8 48 | 18 40 | 18 18 | 24 0 | 17 3 | 5 34 |
| W12 | 23 29 | 13 53 | 1 10 | 20 16 | 3 5 | 24 15 | 1 19 | 22 36 | 4 33 | 4 51 | 1 22 | 20 30 | 0 39 | 5 39 | 0 45 | 1 36 | 1 39 | 27 23 | 8 47 | 18 41 | 18 17 | 23 59 | 17 2 | 5 34 |
| T 13 | 23 31 | 18 36 | 0 1 | 20 3 | 3 20 | 24 9 | 1 20 | 22 38 | 4 38 | 4 49 | 1 22 | 20 30 | 0 40 | 5 38 | 0 45 | 1 36 | 1 38 | 27 23 | 8 47 | 18 41 | 18 16 | 23 57 | 17 1 | 5 34 |
| F 14 | 23 33 | 22 25 | 1n 6 | 19 51 | 3 34 | 24 2 | 1 22 | 22 41 | 4 42 | 4 46 | 1 21 | 20 31 | 0 40 | 5 38 | 0 45 | 1 36 | 1 38 | 27 23 | 8 47 | 18 41 | 18 15 | 23 56 | 17 1 | 5 34 |
| S 15 | 23 34 | 25 10 | 2 10 | 19 39 | 3 47 | 23 55 | 1 23 | 22 43 | 4 46 | 4 44 | 1 21 | 20 32 | 0 40 | 5 37 | 0 45 | 1 36 | 1 38 | 27 22 | 8 47 | 18 40 | 18 14 | 23 54 | 17 0 | 5 34 |
| S 16 | 23 34 | 26 41 | 3 6 | 19 28 | 3 59 | 23 47 | 1 24 | 22 46 | 4 51 | 4 41 | 1 21 | 20 33 | 0 40 | 5 37 | 0 45 | 1 36 | 1 38 | 27 22 | 8 47 | 18 39 | 18 14 | 23 53 | 16 59 | 5 33 |
| M17 | 23 35 | 26 55 | 3 54 | 19 19 | 4 10 | 23 38 | 1 25 | 22 49 | 4 55 | 4 39 | 1 21 | 20 34 | 0 40 | 5 36 | 0 45 | 1 36 | 1 38 | 27 21 | 8 47 | 18 37 | 18 13 | 23 52 | 16 59 | 5 33 |
| T 18 | 23 34 | 25 53 | 4 31 | 19 10 | 4 20 | 23 28 | 1 26 | 22 52 | 5 0 | 4 36 | 1 21 | 20 35 | 0 40 | 5 36 | 0 45 | 1 35 | 1 38 | 27 21 | 8 47 | 18 36 | 18 12 | 23 50 | 16 58 | 5 33 |
| W19 | 23 34 | 23 42 | 4 56 | 19 3 | 4 28 | 23 18 | 1 27 | 22 56 | 5 4 | 4 33 | 1 20 | 20 36 | 0 40 | 5 35 | 0 45 | 1 35 | 1 38 | 27 20 | 8 47 | 18 34 | 18 11 | 23 49 | 16 57 | 5 33 |
| T 20 | 23 33 | 20 31 | 5 8 | 18 57 | 4 35 | 23 7 | 1 28 | 22 59 | 5 9 | 4 31 | 1 20 | 20 37 | 0 40 | 5 34 | 0 45 | 1 35 | 1 38 | 27 20 | 8 47 | 18 32 | 18 10 | 23 47 | 16 56 | 5 33 |
| F 21 | 23 31 | 16 29 | 5 7 | 18 53 | 4 40 | 22 55 | 1 29 | 23 3 | 5 13 | 4 28 | 1 20 | 20 38 | 0 41 | 5 34 | 0 45 | 1 35 | 1 38 | 27 19 | 8 47 | 18 31 | 18 9 | 23 46 | 16 56 | 5 33 |
| S 22 | 23 29 | 11 48 | 4 52 | 18 50 | 4 44 | 22 43 | 1 30 | 23 7 | 5 18 | 4 25 | 1 20 | 20 38 | 0 41 | 5 33 | 0 44 | 1 35 | 1 38 | 27 19 | 8 47 | 18 30 | 18 9 | 23 44 | 16 55 | 5 33 |
| S 23 | 23 27 | 6 38 | 4 25 | 18 48 | 4 46 | 22 30 | 1 31 | 23 11 | 5 22 | 4 22 | 1 19 | 20 39 | 0 41 | 5 32 | 0 44 | 1 34 | 1 38 | 27 18 | 8 47 | 18 29 | 18 8 | 23 43 | 16 54 | 5 33 |
| M24 | 23 24 | 1 6 | 3 45 | 18 48 | 4 46 | 22 16 | 1 32 | 23 15 | 5 26 | 4 19 | 1 19 | 20 40 | 0 41 | 5 32 | 0 44 | 1 34 | 1 38 | 27 18 | 8 47 | 18 29 | 18 7 | 23 41 | 16 53 | 5 33 |
| T 25 | 23 21 | 4s36 | 2 53 | 18 49 | 4 45 | 22 2 | 1 32 | 23 20 | 5 31 | 4 16 | 1 19 | 20 41 | 0 41 | 5 31 | 0 44 | 1 34 | 1 38 | 27 17 | 8 47 | 18 29 | 18 6 | 23 40 | 16 52 | 5 33 |
| W26 | 23 18 | 10 17 | 1 51 | 18 52 | 4 43 | 21 47 | 1 33 | 23 25 | 5 35 | 4 13 | 1 19 | 20 42 | 0 41 | 5 30 | 0 44 | 1 33 | 1 38 | 27 17 | 8 47 | 18 29 | 18 5 | 23 38 | 16 52 | 5 33 |
| T 27 | 23 14 | 15 41 | 0 42 | 18 56 | 4 38 | 21 32 | 1 33 | 23 30 | 5 39 | 4 10 | 1 19 | 20 43 | 0 41 | 5 29 | 0 44 | 1 33 | 1 38 | 27 16 | 8 46 | 18 29 | 18 4 | 23 37 | 16 51 | 5 33 |
| F 28 | 23 9 | 20 29 | 0s33 | 19 2 | 4 33 | 21 15 | 1 34 | 23 35 | 5 43 | 4 7 | 1 18 | 20 44 | 0 41 | 5 28 | 0 44 | 1 33 | 1 38 | 27 16 | 8 46 | 18 30 | 18 3 | 23 35 | 16 50 | 5 33 |
| S 29 | 23 5 | 24 15 | 1 48 | 19 9 | 4 26 | 20 59 | 1 34 | 23 40 | 5 47 | 4 4 | 1 18 | 20 45 | 0 41 | 5 28 | 0 44 | 1 32 | 1 38 | 27 15 | 8 46 | 18 29 | 18 3 | 23 34 | 16 49 | 5 33 |
| S 30 | 23n 0 | 26s30 | 2s57 | 19n17 | 4s17 | 20n41 | 1n35 | 23s45 | 5s52 | 4n 0 | 1n18 | 20s46 | 0s42 | 5n27 | 0n44 | 1n32 | 1n38 | 27n15 | 8n46 | 18n28 | 18n 2 | 23n32 | 16n48 | 5s33 |

Julian Day Number = 2072214.5, Delta T = 27m46s
Ecliptic obliquity = 23°34'31, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°15'57, Lahiri = 9°22'58 Julian Calendar 1 June 961 == Greg. Calendar 6 June 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## JULY 961 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 55 54 | 13♋20'55 | 12♑36 | 28°D42 | 6♌ 4 | 8°R54 | 23♍ 4 | 0°R43 | 18♍ 2 | 29♍54 | 6♌28 | 22°R17 | 20♉39 | 6♌47 | 18♋34 | M 1 |
| T 2 | 18 59 50 | 14°18'09 | 27°48 | 28♊44 | 7°17 | 8♒48 | 23°12 | 0♒39 | 18° 4 | 29°55 | 6°29 | 22♉10 | 20°36 | 6°54 | 18°41 | T 2 |
| W 3 | 19 3 47 | 15°15'24 | 13♒ 0 | 28°51 | 8°30 | 8°41 | 23°20 | 0°35 | 18° 6 | 29°56 | 6°31 | 22° 2 | 20°33 | 7° 1 | 18°48 | W 3 |
| T 4 | 19 7 43 | 16°12'40 | 28° 1 | 29° 5 | 9°43 | 8°33 | 23°29 | 0°30 | 18° 9 | 29°57 | 6°33 | 21°55 | 20°30 | 7° 7 | 18°55 | T 4 |
| F 5 | 19 11 40 | 17° 9'56 | 12♓43 | 29°25 | 10°56 | 8°24 | 23°37 | 0°26 | 18°11 | 29°58 | 6°35 | 21°49 | 20°26 | 7°14 | 19° 2 | F 5 |
| S 6 | 19 15 36 | 18° 7'14 | 27° 1 | 29°50 | 12° 9 | 8°15 | 23°45 | 0°22 | 18°13 | 29°59 | 6°37 | 21°45 | 20°23 | 7°21 | 19° 9 | S 6 |
| S 7 | 19 19 33 | 19° 4'32 | 10♈53 | 0♋22 | 13°22 | 8° 5 | 23°54 | 0°17 | 18°15 | 29°59 | 6°38 | 21°43 | 20°20 | 7°28 | 19°16 | S 7 |
| M 8 | 19 23 29 | 20° 1'52 | 24°19 | 0°59 | 14°35 | 7°54 | 24° 2 | 0°13 | 18°18 | 0♎ 1 | 6°40 | 21°D43 | 20°17 | 7°34 | 19°23 | M 8 |
| T 9 | 19 27 26 | 20°59'13 | 7♉22 | 1°43 | 15°48 | 7°43 | 24°11 | 0° 9 | 18°20 | 0° 2 | 6°42 | 21°44 | 20°14 | 7°41 | 19°30 | T 9 |
| W10 | 19 31 23 | 21°56'35 | 20° 6 | 2°33 | 17° 1 | 7°31 | 24°20 | 0° 4 | 18°23 | 0° 3 | 6°44 | 21°R44 | 20°10 | 7°48 | 19°37 | W10 |
| T 11 | 19 35 19 | 22°53'59 | 2♊33 | 3°28 | 18°14 | 7°18 | 24°29 | 29♑59 | 18°25 | 0° 4 | 6°46 | 21°44 | 20° 7 | 7°55 | 19°44 | T 11 |
| F 12 | 19 39 16 | 23°51'23 | 14°48 | 4°29 | 19°27 | 7° 6 | 24°38 | 29°55 | 18°28 | 0° 5 | 6°47 | 21°41 | 20° 4 | 8° 1 | 19°51 | F 12 |
| S 13 | 19 43 12 | 24°48'49 | 26°55 | 5°35 | 20°40 | 6°52 | 24°47 | 29°51 | 18°30 | 0° 6 | 6°49 | 21°36 | 20° 1 | 8° 8 | 19°58 | S 13 |
| S 14 | 19 47 9 | 25°46'16 | 8♋54 | 6°48 | 21°53 | 6°38 | 24°56 | 29°47 | 18°33 | 0° 7 | 6°51 | 21°28 | 19°58 | 8°15 | 20° 5 | S 14 |
| M15 | 19 51 5 | 26°43'43 | 20°50 | 8° 5 | 23° 6 | 6°24 | 25° 5 | 29°42 | 18°36 | 0° 8 | 6°53 | 21°18 | 19°55 | 8°21 | 20°12 | M15 |
| T 16 | 19 55 2 | 27°41'12 | 2♌43 | 9°27 | 24°19 | 6° 9 | 25°15 | 29°38 | 18°38 | 0°10 | 6°55 | 21° 7 | 19°51 | 8°28 | 20°19 | T 16 |
| W17 | 19 58 58 | 28°38'42 | 14°34 | 10°55 | 25°32 | 5°55 | 25°24 | 29°33 | 18°41 | 0°11 | 6°57 | 20°54 | 19°48 | 8°35 | 20°26 | W17 |
| T 18 | 20 2 55 | 29°36'13 | 26°26 | 12°27 | 26°45 | 5°39 | 25°34 | 29°29 | 18°44 | 0°12 | 6°59 | 20°42 | 19°45 | 8°42 | 20°33 | T 18 |
| F 19 | 20 6 52 | 0♌33'45 | 8♍21 | 14° 3 | 27°57 | 5°24 | 25°44 | 29°24 | 18°46 | 0°13 | 7° 0 | 20°31 | 19°42 | 8°48 | 20°39 | F 19 |
| S 20 | 20 10 48 | 1°31'18 | 20°19 | 15°44 | 29°10 | 5° 8 | 25°53 | 29°20 | 18°49 | 0°15 | 7° 2 | 20°22 | 19°39 | 8°55 | 20°46 | S 20 |
| S 21 | 20 14 45 | 2°28'52 | 2♎25 | 17°28 | 0♍23 | 4°52 | 26° 3 | 29°15 | 18°52 | 0°16 | 7° 4 | 20°16 | 19°36 | 9° 2 | 20°53 | S 21 |
| M22 | 20 18 41 | 3°26'27 | 14°42 | 19°15 | 1°36 | 4°37 | 26°13 | 29°11 | 18°55 | 0°18 | 7° 6 | 20°12 | 19°32 | 9° 8 | 21° 0 | M22 |
| T 23 | 20 22 38 | 4°24'03 | 27°15 | 21° 6 | 2°48 | 4°21 | 26°23 | 29° 6 | 18°58 | 0°19 | 7° 8 | 20°11 | 19°29 | 9°15 | 21° 7 | T 23 |
| W24 | 20 26 34 | 5°21'40 | 10♏ 7 | 22°59 | 4° 1 | 4° 5 | 26°34 | 29° 2 | 19° 1 | 0°20 | 7°10 | 20°D11 | 19°26 | 9°22 | 21°14 | W24 |
| T 25 | 20 30 31 | 6°19'18 | 23°22 | 24°55 | 5°14 | 3°49 | 26°44 | 28°57 | 19° 4 | 0°22 | 7°12 | 20°R11 | 19°23 | 9°29 | 21°21 | T 25 |
| F 26 | 20 34 27 | 7°16'57 | 7♐ 5 | 26°52 | 6°27 | 3°33 | 26°54 | 28°53 | 19° 7 | 0°23 | 7°14 | 20°10 | 19°20 | 9°35 | 21°28 | F 26 |
| S 27 | 20 38 24 | 8°14'37 | 21°16 | 28°51 | 7°39 | 3°18 | 27° 5 | 28°48 | 19°10 | 0°25 | 7°16 | 20° 7 | 19°16 | 9°42 | 21°35 | S 27 |
| S 28 | 20 42 21 | 9°12'19 | 5♑55 | 0♌50 | 8°52 | 3° 2 | 27°15 | 28°44 | 19°13 | 0°26 | 7°17 | 20° 2 | 19°13 | 9°49 | 21°41 | S 28 |
| M29 | 20 46 17 | 10°10'01 | 20°57 | 2°51 | 10° 4 | 2°47 | 27°26 | 28°40 | 19°16 | 0°28 | 7°19 | 19°54 | 19°10 | 9°56 | 21°48 | M29 |
| T 30 | 20 50 14 | 11° 7'45 | 6♒14 | 4°52 | 11°17 | 2°32 | 27°37 | 28°35 | 19°19 | 0°30 | 7°21 | 19°44 | 19° 7 | 10° 2 | 21°55 | T 30 |
| W31 | 20 54 10 | 12♌ 5'31 | 21♒35 | 6♌53 | 12♍29 | 2♒18 | 27♍47 | 28♑31 | 19♍23 | 0♎31 | 7♌23 | 19♉33 | 19♉ 4 | 10♌ 9 | 22♋ 2 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n54 | 26s53 | 3s56 | 19n26 | 4s 8 | 20n24 | 1n35 | 23s50 | 5s55 | 3n57 | 1n18 | 20s47 | 0s42 | 5n26 | 0n44 | 1n32 | 1n38 | 27n14 | 8n46 | 18n27 | 18n 1 | 23n31 | 16n47 | 5s33 |
| T 2 | 22 48 | 25 16 | 4 39 | 19 37 | 3 57 | 20 5 | 1 35 | 23 56 | 5 59 | 3 54 | 1 18 | 20 48 | 0 42 | 5 25 | 0 44 | 1 31 | 1 38 | 27 14 | 8 46 | 18 25 | 18 0 | 23 29 | 16 46 | 5 33 |
| W 3 | 22 42 | 21 50 | 5 2 | 19 49 | 3 46 | 19 46 | 1 35 | 24 2 | 6 3 | 3 50 | 1 17 | 20 49 | 0 42 | 5 24 | 0 44 | 1 31 | 1 37 | 27 13 | 8 46 | 18 23 | 17 59 | 23 27 | 16 45 | 5 33 |
| T 4 | 22 35 | 16 59 | 5 4 | 20 1 | 3 33 | 19 27 | 1 35 | 24 7 | 6 7 | 3 47 | 1 17 | 20 50 | 0 42 | 5 23 | 0 44 | 1 31 | 1 37 | 27 13 | 8 46 | 18 21 | 17 58 | 23 26 | 16 44 | 5 33 |
| F 5 | 22 28 | 11 13 | 4 46 | 20 14 | 3 20 | 19 7 | 1 35 | 24 13 | 6 10 | 3 44 | 1 17 | 20 51 | 0 42 | 5 22 | 0 44 | 1 30 | 1 37 | 27 12 | 8 46 | 18 19 | 17 58 | 23 24 | 16 43 | 5 33 |
| S 6 | 22 20 | 5 1 | 4 10 | 20 28 | 3 7 | 18 46 | 1 35 | 24 19 | 6 14 | 3 40 | 1 17 | 20 53 | 0 42 | 5 21 | 0 44 | 1 30 | 1 37 | 27 12 | 8 46 | 18 18 | 17 57 | 23 23 | 16 42 | 5 33 |
| S 7 | 22 13 | 1n16 | 3 21 | 20 42 | 2 53 | 18 25 | 1 35 | 24 25 | 6 17 | 3 37 | 1 17 | 20 54 | 0 42 | 5 21 | 0 44 | 1 29 | 1 37 | 27 11 | 8 46 | 18 18 | 17 56 | 23 21 | 16 41 | 5 33 |
| M 8 | 22 4 | 7 18 | 2 21 | 20 56 | 2 38 | 18 3 | 1 34 | 24 31 | 6 21 | 3 33 | 1 16 | 20 55 | 0 42 | 5 20 | 0 44 | 1 29 | 1 37 | 27 11 | 8 46 | 18 18 | 17 55 | 23 20 | 16 40 | 5 33 |
| T 9 | 21 56 | 12 51 | 1 16 | 21 10 | 2 23 | 17 41 | 1 34 | 24 37 | 6 24 | 3 29 | 1 16 | 20 56 | 0 43 | 5 19 | 0 44 | 1 28 | 1 37 | 27 10 | 8 46 | 18 18 | 17 54 | 23 18 | 16 39 | 5 33 |
| W10 | 21 47 | 17 44 | 0 9 | 21 25 | 2 8 | 17 19 | 1 34 | 24 43 | 6 27 | 3 26 | 1 16 | 20 57 | 0 43 | 5 18 | 0 44 | 1 28 | 1 37 | 27 10 | 8 46 | 18 18 | 17 53 | 23 16 | 16 38 | 5 33 |
| T 11 | 21 37 | 21 44 | 0n57 | 21 38 | 1 53 | 16 56 | 1 33 | 24 49 | 6 30 | 3 22 | 1 16 | 20 58 | 0 43 | 5 17 | 0 44 | 1 28 | 1 37 | 27 9 | 8 46 | 18 18 | 17 52 | 23 15 | 16 37 | 5 33 |
| F 12 | 21 27 | 24 41 | 2 0 | 21 52 | 1 38 | 16 32 | 1 33 | 24 55 | 6 32 | 3 18 | 1 16 | 20 59 | 0 43 | 5 16 | 0 44 | 1 27 | 1 37 | 27 9 | 8 46 | 18 17 | 17 52 | 23 13 | 16 36 | 5 33 |
| S 13 | 21 17 | 26 28 | 2 56 | 22 4 | 1 23 | 16 8 | 1 32 | 25 1 | 6 35 | 3 14 | 1 15 | 21 0 | 0 43 | 5 14 | 0 44 | 1 27 | 1 37 | 27 9 | 8 46 | 18 16 | 17 51 | 23 12 | 16 35 | 5 33 |
| S 14 | 21 7 | 26 59 | 3 43 | 22 16 | 1 8 | 15 44 | 1 31 | 25 7 | 6 37 | 3 10 | 1 15 | 21 1 | 0 43 | 5 13 | 0 44 | 1 26 | 1 37 | 27 8 | 8 46 | 18 14 | 17 50 | 23 10 | 16 34 | 5 33 |
| M15 | 20 56 | 26 14 | 4 21 | 22 26 | 0 53 | 15 19 | 1 31 | 25 13 | 6 39 | 3 7 | 1 15 | 21 2 | 0 43 | 5 12 | 0 44 | 1 26 | 1 37 | 27 8 | 8 46 | 18 11 | 17 49 | 23 8 | 16 33 | 5 33 |
| T 16 | 20 45 | 24 18 | 4 46 | 22 35 | 0 39 | 14 54 | 1 30 | 25 18 | 6 41 | 3 3 | 1 15 | 21 3 | 0 43 | 5 11 | 0 44 | 1 25 | 1 37 | 27 7 | 8 46 | 18 8 | 17 48 | 23 7 | 16 32 | 5 33 |
| W17 | 20 33 | 21 19 | 5 0 | 22 42 | 0 25 | 14 29 | 1 29 | 25 24 | 6 43 | 2 59 | 1 15 | 21 4 | 0 43 | 5 10 | 0 44 | 1 24 | 1 37 | 27 7 | 8 46 | 18 5 | 17 47 | 23 5 | 16 31 | 5 34 |
| T 18 | 20 21 | 17 28 | 5 0 | 22 48 | 0 11 | 14 3 | 1 28 | 25 30 | 6 45 | 2 55 | 1 15 | 21 5 | 0 43 | 5 9 | 0 44 | 1 24 | 1 37 | 27 6 | 8 46 | 18 2 | 17 46 | 23 3 | 16 30 | 5 34 |
| F 19 | 20 9 | 12 55 | 4 47 | 22 51 | 0n 2 | 13 36 | 1 27 | 25 35 | 6 46 | 2 51 | 1 14 | 21 6 | 0 43 | 5 8 | 0 44 | 1 23 | 1 37 | 27 6 | 8 47 | 17 59 | 17 46 | 23 2 | 16 29 | 5 34 |
| S 20 | 19 56 | 7 52 | 4 22 | 22 53 | 0 14 | 13 10 | 1 26 | 25 40 | 6 47 | 2 47 | 1 14 | 21 7 | 0 44 | 5 7 | 0 43 | 1 23 | 1 37 | 27 5 | 8 47 | 17 56 | 17 45 | 23 0 | 16 27 | 5 34 |
| S 21 | 19 43 | 2 28 | 3 44 | 22 51 | 0 26 | 12 43 | 1 24 | 25 45 | 6 49 | 2 42 | 1 14 | 21 8 | 0 44 | 5 6 | 0 43 | 1 22 | 1 37 | 27 5 | 8 47 | 17 55 | 17 44 | 22 58 | 16 26 | 5 34 |
| M22 | 19 30 | 3s 7 | 2 56 | 22 48 | 0 37 | 12 16 | 1 23 | 25 50 | 6 49 | 2 38 | 1 14 | 21 9 | 0 44 | 5 4 | 0 43 | 1 22 | 1 37 | 27 4 | 8 47 | 17 54 | 17 43 | 22 57 | 16 25 | 5 34 |
| T 23 | 19 16 | 8 43 | 1 58 | 22 41 | 0 47 | 11 48 | 1 22 | 25 55 | 6 50 | 2 34 | 1 14 | 21 10 | 0 44 | 5 3 | 0 43 | 1 21 | 1 37 | 27 4 | 8 47 | 17 53 | 17 42 | 22 55 | 16 24 | 5 34 |
| W24 | 19 2 | 14 6 | 0 53 | 22 32 | 0 57 | 11 20 | 1 20 | 25 59 | 6 51 | 2 30 | 1 14 | 21 11 | 0 44 | 5 2 | 0 43 | 1 20 | 1 37 | 27 3 | 8 47 | 17 53 | 17 41 | 22 53 | 16 23 | 5 35 |
| T 25 | 18 48 | 19 0 | 0s17 | 22 21 | 1 6 | 10 52 | 1 19 | 26 3 | 6 51 | 2 26 | 1 13 | 21 12 | 0 44 | 5 1 | 0 43 | 1 20 | 1 37 | 27 3 | 8 47 | 17 53 | 17 40 | 22 52 | 16 22 | 5 35 |
| F 26 | 18 33 | 23 4 | 1 28 | 22 6 | 1 13 | 10 23 | 1 17 | 26 7 | 6 51 | 2 21 | 1 13 | 21 13 | 0 44 | 5 0 | 0 43 | 1 19 | 1 37 | 27 3 | 8 47 | 17 53 | 17 40 | 22 50 | 16 20 | 5 35 |
| S 27 | 18 18 | 25 53 | 2 36 | 21 49 | 1 20 | 9 55 | 1 15 | 26 11 | 6 51 | 2 17 | 1 13 | 21 14 | 0 44 | 4 58 | 0 43 | 1 19 | 1 36 | 27 2 | 8 47 | 17 52 | 17 39 | 22 48 | 16 19 | 5 35 |
| S 28 | 18 3 | 27 3 | 3 37 | 21 30 | 1 27 | 9 26 | 1 14 | 26 14 | 6 50 | 2 13 | 1 13 | 21 15 | 0 44 | 4 57 | 0 43 | 1 18 | 1 36 | 27 2 | 8 47 | 17 51 | 17 38 | 22 47 | 16 18 | 5 35 |
| M29 | 17 48 | 26 16 | 4 23 | 21 7 | 1 32 | 8 57 | 1 12 | 26 17 | 6 50 | 2 8 | 1 13 | 21 16 | 0 44 | 4 56 | 0 43 | 1 17 | 1 36 | 27 1 | 8 47 | 17 49 | 17 37 | 22 45 | 16 17 | 5 35 |
| T 30 | 17 32 | 23 32 | 4 52 | 20 43 | 1 36 | 8 27 | 1 10 | 26 20 | 6 49 | 2 4 | 1 13 | 21 17 | 0 44 | 4 55 | 0 43 | 1 17 | 1 36 | 27 1 | 8 47 | 17 46 | 17 36 | 22 43 | 16 15 | 5 36 |
| W31 | 17n16 | 19s 7 | 5s 0 | 20n16 | 1n40 | 7n57 | 1n 8 | 26s23 | 6s48 | 2n 0 | 1n13 | 21s18 | 0s44 | 4n53 | 0n43 | 1n16 | 1n36 | 27n 0 | 8n47 | 17n43 | 17n35 | 22n41 | 16n14 | 5s36 |

Julian Day Number = 2072244.5, Delta T = 27m46s
Ecliptic obliquity = 23°34'31, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'02, Lahiri = 9°23'02 Julian Calendar 1 July 961 == Greg. Calendar 6 July 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## AUGUST 961 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 58 7 | 13♌ 3'17 | 6♓48 | 8♌54 | 13♍42 | 2°R 4 | 27♍58 | 28°R27 | 19♍26 | 0♎33 | 7♌25 | 19°R23 | 19♉ 1 | 10♌16 | 22♋ 8 | T 1 |
| F 2 | 21 2 3 | 14° 1'06 | 21°42 | 10°54 | 14°54 | 1♒50 | 28° 9 | 28♏23 | 19°29 | 0°34 | 7°27 | 19♉14 | 18°57 | 10°22 | 22°15 | F 2 |
| S 3 | 21 6 0 | 14°58'56 | 6♈12 | 12°54 | 16° 7 | 1°36 | 28°20 | 28°18 | 19°32 | 0°36 | 7°29 | 19° 8 | 18°54 | 10°29 | 22°22 | S 3 |
| S 4 | 21 9 56 | 15°56'47 | 20°12 | 14°54 | 17°19 | 1°23 | 28°31 | 28°14 | 19°35 | 0°38 | 7°31 | 19° 4 | 18°51 | 10°36 | 22°28 | S 4 |
| M 5 | 21 13 53 | 16°54'41 | 3♉43 | 16°52 | 18°32 | 1°11 | 28°42 | 28°10 | 19°39 | 0°39 | 7°32 | 19° 2 | 18°48 | 10°43 | 22°35 | M 5 |
| T 6 | 21 17 50 | 17°52'37 | 16°47 | 18°50 | 19°44 | 0°59 | 28°53 | 28° 6 | 19°42 | 0°41 | 7°34 | 19° 2 | 18°45 | 10°49 | 22°42 | T 6 |
| W 7 | 21 21 46 | 18°50'34 | 29°28 | 20°46 | 20°56 | 0°48 | 29° 5 | 28° 2 | 19°45 | 0°43 | 7°36 | 19° 2 | 18°42 | 10°56 | 22°48 | W 7 |
| T 8 | 21 25 43 | 19°48'34 | 11♊51 | 22°42 | 22° 9 | 0°37 | 29°16 | 27°58 | 19°49 | 0°45 | 7°38 | 19° 1 | 18°38 | 11° 3 | 22°55 | T 8 |
| F 9 | 21 29 39 | 20°46'35 | 24° 0 | 24°36 | 23°21 | 0°27 | 29°27 | 27°54 | 19°52 | 0°47 | 7°40 | 18°58 | 18°35 | 11° 9 | 23° 1 | F 9 |
| S 10 | 21 33 36 | 21°44'39 | 6♋ 0 | 26°29 | 24°33 | 0°17 | 29°39 | 27°50 | 19°56 | 0°48 | 7°42 | 18°52 | 18°32 | 11°16 | 23° 8 | S 10 |
| S 11 | 21 37 32 | 22°42'44 | 17°55 | 28°21 | 25°45 | 0° 8 | 29°50 | 27°46 | 19°59 | 0°50 | 7°43 | 18°43 | 18°29 | 11°23 | 23°14 | S 11 |
| M12 | 21 41 29 | 23°40'51 | 29°46 | 0♍12 | 26°58 | 0° 0 | 0♎ 2 | 27°42 | 20° 3 | 0°52 | 7°45 | 18°32 | 18°26 | 11°30 | 23°21 | M12 |
| T 13 | 21 45 25 | 24°39'00 | 11♌38 | 2° 2 | 28°10 | 29♏53 | 0°14 | 27°39 | 20° 6 | 0°54 | 7°47 | 18°19 | 18°22 | 11°36 | 23°27 | T 13 |
| W14 | 21 49 22 | 25°37'11 | 23°31 | 3°50 | 29°22 | 29°46 | 0°25 | 27°35 | 20°10 | 0°56 | 7°49 | 18° 4 | 18°19 | 11°43 | 23°33 | W14 |
| T 15 | 21 53 19 | 26°35'24 | 5♍26 | 5°37 | 0♎34 | 29°40 | 0°37 | 27°31 | 20°13 | 0°58 | 7°51 | 17°51 | 18°16 | 11°50 | 23°40 | T 15 |
| F 16 | 21 57 15 | 27°33'38 | 17°26 | 7°23 | 1°46 | 29°35 | 0°49 | 27°28 | 20°17 | 1° 0 | 7°53 | 17°38 | 18°13 | 11°57 | 23°46 | F 16 |
| S 17 | 22 1 12 | 28°31'54 | 29°32 | 9° 8 | 2°58 | 29°31 | 1° 1 | 27°24 | 20°20 | 1° 2 | 7°54 | 17°28 | 18°10 | 12° 3 | 23°52 | S 17 |
| S 18 | 22 5 8 | 29°30'11 | 11♎45 | 10°51 | 4°10 | 29°27 | 1°13 | 27°21 | 20°24 | 1° 4 | 7°56 | 17°20 | 18° 7 | 12°10 | 23°59 | S 18 |
| M19 | 22 9 5 | 0♍28'31 | 24° 8 | 12°33 | 5°22 | 29°24 | 1°25 | 27°17 | 20°27 | 1° 6 | 7°58 | 17°16 | 18° 3 | 12°17 | 24° 5 | M19 |
| T 20 | 22 13 1 | 1°26'52 | 6♏43 | 14°15 | 6°34 | 29°22 | 1°37 | 27°14 | 20°31 | 1° 8 | 8° 0 | 17°14 | 18° 0 | 12°23 | 24°11 | T 20 |
| W21 | 22 16 58 | 2°25'14 | 19°35 | 15°55 | 7°46 | 29°21 | 1°49 | 27°11 | 20°35 | 1°10 | 8° 1 | 17°D14 | 17°57 | 12°30 | 24°17 | W21 |
| T 22 | 22 20 54 | 3°23'38 | 2♐47 | 17°34 | 8°58 | 29°D21 | 2° 1 | 27° 8 | 20°38 | 1°12 | 8° 3 | 17°R14 | 17°54 | 12°37 | 24°23 | T 22 |
| F 23 | 22 24 51 | 4°22'04 | 16°22 | 19°12 | 10° 9 | 29°21 | 2°13 | 27° 4 | 20°42 | 1°14 | 8° 5 | 17°13 | 17°51 | 12°44 | 24°29 | F 23 |
| S 24 | 22 28 48 | 5°20'32 | 0♑22 | 20°48 | 11°21 | 29°22 | 2°25 | 27° 1 | 20°46 | 1°16 | 8° 7 | 17°11 | 17°48 | 12°50 | 24°35 | S 24 |
| S 25 | 22 32 44 | 6°19'01 | 14°48 | 22°24 | 12°33 | 29°25 | 2°38 | 26°58 | 20°49 | 1°18 | 8° 8 | 17° 7 | 17°44 | 12°57 | 24°41 | S 25 |
| M26 | 22 36 41 | 7°17'32 | 29°37 | 23°59 | 13°44 | 29°28 | 2°50 | 26°56 | 20°53 | 1°20 | 8°10 | 17° 0 | 17°41 | 13° 4 | 24°47 | M26 |
| T 27 | 22 40 37 | 8°16'05 | 14♒42 | 25°32 | 14°56 | 29°31 | 3° 2 | 26°53 | 20°57 | 1°22 | 8°12 | 16°51 | 17°38 | 13°11 | 24°52 | T 27 |
| W28 | 22 44 34 | 9°14'39 | 29°55 | 27° 5 | 16° 8 | 29°36 | 3°15 | 26°50 | 21° 0 | 1°24 | 8°13 | 16°41 | 17°35 | 13°17 | 24°58 | W28 |
| T 29 | 22 48 30 | 10°13'16 | 15♓ 4 | 28°36 | 17°19 | 29°41 | 3°27 | 26°47 | 21° 4 | 1°26 | 8°15 | 16°31 | 17°32 | 13°24 | 25° 4 | T 29 |
| F 30 | 22 52 27 | 11°11'54 | 29°59 | 0♎ 6 | 18°31 | 29°47 | 3°40 | 26°45 | 21° 8 | 1°28 | 8°17 | 16°23 | 17°28 | 13°31 | 25°10 | F 30 |
| S 31 | 22 56 23 | 12♍10'35 | 14♈34 | 1♎36 | 19♎42 | 29♏54 | 3♎52 | 26♏42 | 21♍12 | 1♎30 | 8♌18 | 16♉17 | 17♉25 | 13♌37 | 25♋15 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n 0 | 13s30 | 4s47 | 19n47 | 1n43 | 7n28 | 1n 6 | 26s25 | 6s47 | 1n55 | 1n12 | 21s19 | 0s44 | 4n52 | 0n43 | 1n15 | 1n36 | 27n 0 | 8n47 | 17n40 | 17n34 | 22n40 | 16n13 | 5s36 |
| F 2 | 16 43 | 7 11 | 4 14 | 19 16 | 1 45 | 6 58 | 1 4 | 26 27 | 6 46 | 1 51 | 1 12 | 21 20 | 0 45 | 4 51 | 0 43 | 1 14 | 1 36 | 27 0 | 8 48 | 17 38 | 17 33 | 22 38 | 16 12 | 5 36 |
| S 3 | 16 26 | 0 40 | 3 26 | 18 44 | 1 46 | 6 27 | 1 2 | 26 29 | 6 45 | 1 46 | 1 12 | 21 21 | 0 45 | 4 50 | 0 43 | 1 14 | 1 36 | 26 59 | 8 48 | 17 36 | 17 33 | 22 36 | 16 10 | 5 36 |
| S 4 | 16 9 | 5n41 | 2 26 | 18 9 | 1 47 | 5 57 | 1 0 | 26 30 | 6 43 | 1 42 | 1 12 | 21 22 | 0 45 | 4 48 | 0 43 | 1 13 | 1 36 | 26 59 | 8 48 | 17 35 | 17 32 | 22 34 | 16 9 | 5 37 |
| M 5 | 15 51 | 11 34 | 1 20 | 17 33 | 1 46 | 5 26 | 0 57 | 26 31 | 6 41 | 1 37 | 1 12 | 21 23 | 0 45 | 4 47 | 0 43 | 1 12 | 1 36 | 26 58 | 8 48 | 17 35 | 17 31 | 22 33 | 16 8 | 5 37 |
| T 6 | 15 34 | 16 45 | 0 12 | 16 56 | 1 46 | 4 56 | 0 55 | 26 32 | 6 39 | 1 32 | 1 12 | 21 23 | 0 45 | 4 46 | 0 43 | 1 12 | 1 36 | 26 58 | 8 48 | 17 35 | 17 30 | 22 31 | 16 6 | 5 37 |
| W 7 | 15 16 | 21 3 | 0n55 | 16 18 | 1 44 | 4 25 | 0 53 | 26 33 | 6 37 | 1 28 | 1 12 | 21 24 | 0 45 | 4 44 | 0 43 | 1 11 | 1 36 | 26 58 | 8 48 | 17 35 | 17 29 | 22 29 | 16 5 | 5 37 |
| T 8 | 14 57 | 24 17 | 1 57 | 15 38 | 1 42 | 3 54 | 0 50 | 26 33 | 6 35 | 1 23 | 1 11 | 21 25 | 0 45 | 4 43 | 0 43 | 1 10 | 1 36 | 26 57 | 8 48 | 17 34 | 17 28 | 22 27 | 16 4 | 5 38 |
| F 9 | 14 39 | 26 19 | 2 53 | 14 58 | 1 40 | 3 23 | 0 48 | 26 33 | 6 32 | 1 18 | 1 11 | 21 26 | 0 45 | 4 42 | 0 43 | 1 9 | 1 36 | 26 57 | 8 48 | 17 34 | 17 27 | 22 25 | 16 3 | 5 38 |
| S 10 | 14 20 | 27 7 | 3 41 | 14 17 | 1 37 | 2 52 | 0 45 | 26 32 | 6 30 | 1 14 | 1 11 | 21 27 | 0 45 | 4 40 | 0 43 | 1 9 | 1 36 | 26 57 | 8 48 | 17 32 | 17 26 | 22 24 | 16 1 | 5 38 |
| S 11 | 14 1 | 26 38 | 4 18 | 13 35 | 1 34 | 2 21 | 0 42 | 26 32 | 6 27 | 1 9 | 1 11 | 21 28 | 0 45 | 4 39 | 0 43 | 1 8 | 1 36 | 26 56 | 8 49 | 17 29 | 17 26 | 22 22 | 16 0 | 5 39 |
| M12 | 13 42 | 24 56 | 4 44 | 12 52 | 1 30 | 1 49 | 0 40 | 26 31 | 6 24 | 1 4 | 1 11 | 21 29 | 0 45 | 4 37 | 0 43 | 1 7 | 1 36 | 26 56 | 8 49 | 17 26 | 17 25 | 22 20 | 15 59 | 5 39 |
| T 13 | 13 23 | 22 9 | 4 57 | 12 9 | 1 26 | 1 18 | 0 37 | 26 30 | 6 21 | 1 0 | 1 11 | 21 29 | 0 45 | 4 36 | 0 43 | 1 6 | 1 36 | 26 55 | 8 49 | 17 23 | 17 24 | 22 18 | 15 57 | 5 39 |
| W14 | 13 3 | 18 26 | 4 58 | 11 25 | 1 21 | 0 46 | 0 34 | 26 28 | 6 18 | 0 55 | 1 11 | 21 30 | 0 45 | 4 35 | 0 43 | 1 6 | 1 36 | 26 55 | 8 49 | 17 19 | 17 23 | 22 16 | 15 56 | 5 40 |
| T 15 | 12 43 | 13 59 | 4 46 | 10 41 | 1 16 | 0 15 | 0 31 | 26 26 | 6 15 | 0 50 | 1 11 | 21 31 | 0 45 | 4 33 | 0 43 | 1 5 | 1 36 | 26 55 | 8 49 | 17 15 | 17 22 | 22 15 | 15 54 | 5 40 |
| F 16 | 12 23 | 8 59 | 4 21 | 9 57 | 1 11 | 0s16 | 0 28 | 26 24 | 6 12 | 0 45 | 1 11 | 21 32 | 0 45 | 4 32 | 0 43 | 1 4 | 1 36 | 26 54 | 8 49 | 17 11 | 17 21 | 22 13 | 15 53 | 5 40 |
| S 17 | 12 3 | 3 36 | 3 44 | 9 12 | 1 6 | 0 48 | 0 25 | 26 22 | 6 8 | 0 40 | 1 10 | 21 32 | 0 45 | 4 30 | 0 43 | 1 3 | 1 36 | 26 54 | 8 49 | 17 8 | 17 20 | 22 11 | 15 52 | 5 40 |
| S 18 | 11 43 | 1s59 | 2 56 | 8 28 | 1 0 | 1 19 | 0 22 | 26 19 | 6 5 | 0 35 | 1 10 | 21 33 | 0 45 | 4 29 | 0 43 | 1 2 | 1 36 | 26 54 | 8 50 | 17 6 | 17 19 | 22 9 | 15 50 | 5 41 |
| M19 | 11 22 | 7 34 | 1 59 | 7 43 | 0 54 | 1 51 | 0 19 | 26 16 | 6 1 | 0 31 | 1 10 | 21 34 | 0 45 | 4 27 | 0 43 | 1 2 | 1 36 | 26 53 | 8 50 | 17 5 | 17 18 | 22 7 | 15 49 | 5 41 |
| T 20 | 11 1 | 12 58 | 0 55 | 6 58 | 0 48 | 2 22 | 0 16 | 26 13 | 5 58 | 0 26 | 1 10 | 21 35 | 0 45 | 4 26 | 0 43 | 1 1 | 1 36 | 26 53 | 8 50 | 17 4 | 17 18 | 22 5 | 15 48 | 5 42 |
| W21 | 10 40 | 17 56 | 0s12 | 6 13 | 0 41 | 2 54 | 0 13 | 26 10 | 5 54 | 0 21 | 1 10 | 21 35 | 0 46 | 4 25 | 0 43 | 1 0 | 1 36 | 26 53 | 8 50 | 17 4 | 17 17 | 22 3 | 15 46 | 5 42 |
| T 22 | 10 19 | 22 10 | 1 21 | 5 28 | 0 34 | 3 25 | 0 10 | 26 6 | 5 50 | 0 16 | 1 10 | 21 36 | 0 46 | 4 23 | 0 43 | 0 59 | 1 36 | 26 52 | 8 50 | 17 4 | 17 16 | 22 2 | 15 45 | 5 42 |
| F 23 | 9 58 | 25 20 | 2 28 | 4 43 | 0 28 | 3 57 | 0 7 | 26 3 | 5 46 | 0 11 | 1 10 | 21 36 | 0 46 | 4 22 | 0 43 | 0 58 | 1 36 | 26 52 | 8 51 | 17 4 | 17 15 | 22 0 | 15 43 | 5 43 |
| S 24 | 9 36 | 27 2 | 3 28 | 3 59 | 0 21 | 4 28 | 0 3 | 25 59 | 5 43 | 0 6 | 1 10 | 21 37 | 0 46 | 4 20 | 0 43 | 0 58 | 1 36 | 26 52 | 8 51 | 17 4 | 17 14 | 21 58 | 15 42 | 5 43 |
| S 25 | 9 15 | 26 59 | 4 16 | 3 14 | 0 14 | 4 59 | 0s 0 | 25 54 | 5 39 | 0 1 | 1 10 | 21 38 | 0 46 | 4 19 | 0 43 | 0 57 | 1 36 | 26 52 | 8 51 | 17 2 | 17 13 | 21 56 | 15 41 | 5 43 |
| M26 | 8 53 | 25 3 | 4 49 | 2 30 | 0 6 | 5 30 | 0 3 | 25 50 | 5 35 | 0s 4 | 1 10 | 21 38 | 0 46 | 4 17 | 0 43 | 0 56 | 1 36 | 26 51 | 8 51 | 17 0 | 17 12 | 21 54 | 15 39 | 5 44 |
| T 27 | 8 31 | 21 19 | 5 2 | 1 46 | 0s 1 | 6 1 | 0 7 | 25 45 | 5 31 | 0 9 | 1 10 | 21 39 | 0 46 | 4 16 | 0 43 | 0 55 | 1 36 | 26 51 | 8 51 | 16 58 | 17 11 | 21 52 | 15 38 | 5 44 |
| W28 | 8 9 | 16 9 | 4 54 | 1 2 | 0 8 | 6 32 | 0 10 | 25 40 | 5 27 | 0 14 | 1 9 | 21 39 | 0 46 | 4 14 | 0 43 | 0 54 | 1 36 | 26 51 | 8 51 | 16 55 | 17 10 | 21 50 | 15 36 | 5 45 |
| T 29 | 7 47 | 10 0 | 4 26 | 0 19 | 0 16 | 7 3 | 0 14 | 25 35 | 5 23 | 0 19 | 1 9 | 21 40 | 0 46 | 4 13 | 0 43 | 0 53 | 1 36 | 26 50 | 8 52 | 16 52 | 17 9 | 21 48 | 15 35 | 5 45 |
| F 30 | 7 24 | 3 21 | 3 40 | 0s24 | 0 23 | 7 33 | 0 17 | 25 30 | 5 19 | 0 24 | 1 9 | 21 41 | 0 46 | 4 11 | 0 43 | 0 52 | 1 36 | 26 50 | 8 52 | 16 50 | 17 9 | 21 46 | 15 34 | 5 45 |
| S 31 | 7n 2 | 3n19 | 2s40 | 1s 7 | 0s31 | 8s 4 | 0s21 | 25s24 | 5s15 | 0s29 | 1n 9 | 21s41 | 0s46 | 4n10 | 0n43 | 0n52 | 1n36 | 26n50 | 8n52 | 16n48 | 17n 8 | 21n44 | 15n32 | 5s46 |

Julian Day Number = 2072275.5, Delta T = 27m45s
Ecliptic obliquity = 23°34'32, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'06, Lahiri = 9°23'06 Julian Calendar 1 Aug. 961 == Greg. Calendar 6 Aug. 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## SEPTEMBER 961 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 0 20 | 13♍ 9'17 | 28♈40 | 3♎ 4 | 20♎53 | 0♒ 1 | 4♎ 5 | 26°R40 | 21♍15 | 1♎32 | 8♌20 | 16°R13 | 17♉22 | 13♌44 | 25♋21 | S 1 |
| M 2 | 23 4 17 | 14° 8'02 | 12♉18 | 4°31 | 22° 5 | 0°10 | 4°17 | 26♂38 | 21°19 | 1°35 | 8°21 | 16°D12 | 17°19 | 13°51 | 25°26 | M 2 |
| T 3 | 23 8 13 | 15° 6'49 | 25°27 | 5°57 | 23°16 | 0°19 | 4°30 | 26°35 | 21°23 | 1°37 | 8°23 | 16♉12 | 17°16 | 13°58 | 25°32 | T 3 |
| W 4 | 23 12 10 | 16° 5'39 | 8♊12 | 7°23 | 24°27 | 0°28 | 4°43 | 26°33 | 21°27 | 1°39 | 8°25 | 16°13 | 17°13 | 14° 4 | 25°37 | W 4 |
| T 5 | 23 16 6 | 17° 4'31 | 20°37 | 8°47 | 25°38 | 0°39 | 4°55 | 26°31 | 21°30 | 1°41 | 8°26 | 16°R13 | 17° 9 | 14°11 | 25°42 | T 5 |
| F 6 | 23 20 3 | 18° 3'25 | 2♋46 | 10° 9 | 26°50 | 0°50 | 5° 8 | 26°29 | 21°34 | 1°43 | 8°28 | 16°12 | 17° 6 | 14°18 | 25°48 | F 6 |
| S 7 | 23 23 59 | 19° 2'22 | 14°45 | 11°31 | 28° 1 | 1° 2 | 5°21 | 26°27 | 21°38 | 1°45 | 8°29 | 16° 8 | 17° 3 | 14°24 | 25°53 | S 7 |
| S 8 | 23 27 56 | 20° 1'21 | 26°38 | 12°52 | 29°12 | 1°15 | 5°34 | 26°26 | 21°42 | 1°48 | 8°31 | 16° 3 | 17° 0 | 14°31 | 25°58 | S 8 |
| M 9 | 23 31 52 | 21° 0'22 | 8♌29 | 14°11 | 0♏23 | 1°28 | 5°46 | 26°24 | 21°46 | 1°50 | 8°32 | 15°55 | 16°57 | 14°38 | 26° 3 | M 9 |
| T 10 | 23 35 49 | 21°59'25 | 20°21 | 15°29 | 1°34 | 1°42 | 5°59 | 26°22 | 21°49 | 1°52 | 8°34 | 15°45 | 16°53 | 14°45 | 26° 8 | T 10 |
| W11 | 23 39 46 | 22°58'31 | 2♍18 | 16°46 | 2°44 | 1°56 | 6°12 | 26°21 | 21°53 | 1°54 | 8°35 | 15°35 | 16°50 | 14°51 | 26°13 | W11 |
| T 12 | 23 43 42 | 23°57'39 | 14°20 | 18° 1 | 3°55 | 2°11 | 6°25 | 26°20 | 21°57 | 1°57 | 8°37 | 15°25 | 16°47 | 14°58 | 26°18 | T 12 |
| F 13 | 23 47 39 | 24°56'49 | 26°29 | 19°14 | 5° 6 | 2°27 | 6°38 | 26°18 | 22° 1 | 1°59 | 8°38 | 15°15 | 16°44 | 15° 5 | 26°23 | F 13 |
| S 14 | 23 51 35 | 25°56'01 | 8♎46 | 20°26 | 6°17 | 2°44 | 6°51 | 26°17 | 22° 4 | 2° 1 | 8°39 | 15° 8 | 16°41 | 15°12 | 26°28 | S 14 |
| S 15 | 23 55 32 | 26°55'15 | 21°13 | 21°37 | 7°27 | 3° 1 | 7° 4 | 26°16 | 22° 8 | 2° 3 | 8°41 | 15° 3 | 16°38 | 15°18 | 26°32 | S 15 |
| M16 | 23 59 28 | 27°54'31 | 3♏50 | 22°45 | 8°38 | 3°19 | 7°17 | 26°15 | 22°12 | 2° 5 | 8°42 | 15° 0 | 16°34 | 15°25 | 26°37 | M16 |
| T 17 | 0 3 25 | 28°53'49 | 16°38 | 23°52 | 9°49 | 3°37 | 7°30 | 26°14 | 22°16 | 2° 8 | 8°43 | 15°D 0 | 16°31 | 15°32 | 26°41 | T 17 |
| W18 | 0 7 21 | 29°53'09 | 29°40 | 24°56 | 10°59 | 3°56 | 7°43 | 26°13 | 22°20 | 2°10 | 8°45 | 15° 1 | 16°28 | 15°38 | 26°46 | W18 |
| T 19 | 0 11 18 | 0♎52'30 | 12♐57 | 25°58 | 12° 9 | 4°15 | 7°56 | 26°12 | 22°23 | 2°12 | 8°46 | 15° 2 | 16°25 | 15°45 | 26°50 | T 19 |
| F 20 | 0 15 14 | 1°51'54 | 26°31 | 26°57 | 13°20 | 4°35 | 8° 9 | 26°12 | 22°27 | 2°14 | 8°47 | 15°R 3 | 16°22 | 15°52 | 26°55 | F 20 |
| S 21 | 0 19 11 | 2°51'19 | 10♑25 | 27°54 | 14°30 | 4°56 | 8°22 | 26°11 | 22°31 | 2°17 | 8°48 | 15° 3 | 16°19 | 15°59 | 26°59 | S 21 |
| S 22 | 0 23 8 | 3°50'47 | 24°37 | 28°47 | 15°40 | 5°17 | 8°35 | 26°11 | 22°35 | 2°19 | 8°50 | 15° 1 | 16°15 | 16° 5 | 27° 3 | S 22 |
| M23 | 0 27 4 | 4°50'16 | 9♒ 6 | 29°38 | 16°50 | 5°38 | 8°48 | 26°11 | 22°38 | 2°21 | 8°51 | 14°57 | 16°12 | 16°12 | 27° 7 | M23 |
| T 24 | 0 31 1 | 5°49'46 | 23°49 | 0♏24 | 18° 0 | 6° 0 | 9° 1 | 26°10 | 22°42 | 2°23 | 8°52 | 14°52 | 16° 9 | 16°19 | 27°11 | T 24 |
| W25 | 0 34 57 | 6°49'19 | 8♓39 | 1° 6 | 19°10 | 6°23 | 9°14 | 26°D10 | 22°46 | 2°26 | 8°53 | 14°47 | 16° 6 | 16°26 | 27°15 | W25 |
| T 26 | 0 38 54 | 7°48'53 | 23°28 | 1°45 | 20°20 | 6°46 | 9°27 | 26°10 | 22°49 | 2°28 | 8°54 | 14°41 | 16° 3 | 16°32 | 27°19 | T 26 |
| F 27 | 0 42 50 | 8°48'30 | 8♈ 9 | 2°18 | 21°30 | 7° 9 | 9°40 | 26°10 | 22°53 | 2°30 | 8°55 | 14°36 | 15°59 | 16°39 | 27°23 | F 27 |
| S 28 | 0 46 47 | 9°48'08 | 22°34 | 2°45 | 22°39 | 7°33 | 9°53 | 26°11 | 22°57 | 2°32 | 8°57 | 14°33 | 15°56 | 16°46 | 27°26 | S 28 |
| S 29 | 0 50 43 | 10°47'49 | 6♉37 | 3° 7 | 23°49 | 7°57 | 10° 6 | 26°11 | 23° 0 | 2°34 | 8°58 | 14°31 | 15°53 | 16°52 | 27°30 | S 29 |
| M30 | 0 54 40 | 11♎47'31 | 20♉15 | 3♏23 | 24♏58 | 8♒22 | 10♎19 | 26♂11 | 23♍ 4 | 2♎37 | 8♌59 | 14°D31 | 15♉50 | 16♌59 | 27♋34 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n39 | 9n38 | 1s32 | 1s49 | 0s39 | 8s34 | 0s24 | 25s19 | 5s11 | 0s34 | 1n 9 | 21s42 | 0s46 | 4n 8 | 0n43 | 0n51 | 1n36 | 26n50 | 8n52 | 16n47 | 17n 7 | 21n42 | 15n31 | 5s46 |
| M 2 | 6 17 | 15 17 | 0 21 | 2 31 | 0 46 | 9 4 | 0 28 | 25 13 | 5 6 | 0 39 | 1 9 | 21 42 | 0 46 | 4 7 | 0 43 | 0 50 | 1 36 | 26 50 | 8 53 | 16 47 | 17 6 | 21 40 | 15 29 | 5 47 |
| T 3 | 5 54 | 20 2 | 0n49 | 3 12 | 0 54 | 9 34 | 0 31 | 25 7 | 5 2 | 0 45 | 1 9 | 21 42 | 0 46 | 4 5 | 0 43 | 0 49 | 1 36 | 26 49 | 8 53 | 16 47 | 17 5 | 21 39 | 15 28 | 5 47 |
| W 4 | 5 31 | 23 41 | 1 55 | 3 53 | 1 2 | 10 4 | 0 35 | 25 1 | 4 58 | 0 50 | 1 9 | 21 43 | 0 46 | 4 4 | 0 43 | 0 48 | 1 36 | 26 49 | 8 53 | 16 47 | 17 4 | 21 37 | 15 27 | 5 48 |
| T 5 | 5 8 | 26 7 | 2 53 | 4 34 | 1 9 | 10 34 | 0 38 | 24 54 | 4 54 | 0 55 | 1 9 | 21 43 | 0 46 | 4 2 | 0 43 | 0 47 | 1 36 | 26 49 | 8 53 | 16 47 | 17 3 | 21 35 | 15 25 | 5 48 |
| F 6 | 4 45 | 27 15 | 3 42 | 5 13 | 1 17 | 11 3 | 0 42 | 24 48 | 4 50 | 1 0 | 1 9 | 21 44 | 0 46 | 4 1 | 0 43 | 0 46 | 1 36 | 26 49 | 8 53 | 16 47 | 17 2 | 21 33 | 15 24 | 5 49 |
| S 7 | 4 22 | 27 5 | 4 21 | 5 53 | 1 25 | 11 32 | 0 45 | 24 41 | 4 46 | 1 5 | 1 9 | 21 44 | 0 46 | 3 59 | 0 43 | 0 45 | 1 36 | 26 48 | 8 54 | 16 46 | 17 1 | 21 31 | 15 22 | 5 49 |
| S 8 | 3 58 | 25 39 | 4 48 | 6 31 | 1 32 | 12 1 | 0 49 | 24 34 | 4 42 | 1 10 | 1 9 | 21 44 | 0 46 | 3 58 | 0 43 | 0 45 | 1 36 | 26 48 | 8 54 | 16 44 | 17 0 | 21 29 | 15 21 | 5 50 |
| M 9 | 3 35 | 23 6 | 5 2 | 7 9 | 1 40 | 12 29 | 0 53 | 24 28 | 4 38 | 1 15 | 1 9 | 21 45 | 0 46 | 3 56 | 0 43 | 0 44 | 1 36 | 26 48 | 8 54 | 16 42 | 17 0 | 21 27 | 15 20 | 5 50 |
| T 10 | 3 12 | 19 35 | 5 4 | 7 46 | 1 47 | 12 58 | 0 56 | 24 20 | 4 34 | 1 20 | 1 9 | 21 45 | 0 46 | 3 55 | 0 43 | 0 43 | 1 36 | 26 48 | 8 54 | 16 39 | 16 59 | 21 25 | 15 18 | 5 50 |
| W11 | 2 48 | 15 15 | 4 52 | 8 23 | 1 54 | 13 26 | 1 0 | 24 13 | 4 30 | 1 26 | 1 9 | 21 45 | 0 46 | 3 53 | 0 43 | 0 42 | 1 36 | 26 48 | 8 55 | 16 36 | 16 58 | 21 23 | 15 17 | 5 51 |
| T 12 | 2 25 | 10 19 | 4 28 | 8 58 | 2 1 | 13 54 | 1 4 | 24 6 | 4 26 | 1 31 | 1 9 | 21 46 | 0 46 | 3 52 | 0 43 | 0 41 | 1 36 | 26 48 | 8 55 | 16 33 | 16 57 | 21 21 | 15 15 | 5 51 |
| F 13 | 2 1 | 4 56 | 3 50 | 9 33 | 2 8 | 14 21 | 1 7 | 23 58 | 4 22 | 1 36 | 1 8 | 21 46 | 0 46 | 3 50 | 0 43 | 0 40 | 1 36 | 26 47 | 8 55 | 16 30 | 16 56 | 21 19 | 15 14 | 5 52 |
| S 14 | 1 38 | 0s42 | 3 2 | 10 7 | 2 15 | 14 48 | 1 11 | 23 50 | 4 18 | 1 41 | 1 8 | 21 46 | 0 46 | 3 49 | 0 43 | 0 39 | 1 36 | 26 47 | 8 55 | 16 28 | 16 55 | 21 17 | 15 13 | 5 53 |
| S 15 | 1 14 | 6 24 | 2 5 | 10 39 | 2 22 | 15 15 | 1 14 | 23 42 | 4 14 | 1 46 | 1 8 | 21 46 | 0 46 | 3 47 | 0 43 | 0 38 | 1 36 | 26 47 | 8 56 | 16 27 | 16 54 | 21 15 | 15 11 | 5 53 |
| M16 | 0 50 | 11 55 | 1 0 | 11 11 | 2 28 | 15 41 | 1 18 | 23 34 | 4 10 | 1 52 | 1 8 | 21 47 | 0 46 | 3 46 | 0 43 | 0 37 | 1 36 | 26 47 | 8 56 | 16 26 | 16 53 | 21 13 | 15 10 | 5 54 |
| T 17 | 0 26 | 17 3 | 0s 9 | 11 42 | 2 34 | 16 8 | 1 22 | 23 26 | 4 6 | 1 57 | 1 8 | 21 47 | 0 46 | 3 44 | 0 43 | 0 37 | 1 36 | 26 47 | 8 56 | 16 26 | 16 52 | 21 11 | 15 9 | 5 54 |
| W18 | 0 3 | 21 28 | 1 18 | 12 11 | 2 40 | 16 33 | 1 25 | 23 18 | 4 2 | 2 2 | 1 8 | 21 47 | 0 46 | 3 43 | 0 43 | 0 36 | 1 36 | 26 47 | 8 56 | 16 26 | 16 51 | 21 9 | 15 7 | 5 55 |
| T 19 | 0s21 | 24 53 | 2 25 | 12 39 | 2 45 | 16 59 | 1 29 | 23 9 | 3 58 | 2 7 | 1 8 | 21 47 | 0 46 | 3 41 | 0 43 | 0 35 | 1 36 | 26 47 | 8 57 | 16 26 | 16 50 | 21 7 | 15 6 | 5 55 |
| F 20 | 0 45 | 26 57 | 3 26 | 13 6 | 2 51 | 17 24 | 1 32 | 23 1 | 3 54 | 2 12 | 1 8 | 21 47 | 0 46 | 3 40 | 0 43 | 0 34 | 1 36 | 26 47 | 8 57 | 16 27 | 16 50 | 21 4 | 15 4 | 5 56 |
| S 21 | 1 9 | 27 24 | 4 15 | 13 31 | 2 56 | 17 48 | 1 36 | 22 52 | 3 51 | 2 17 | 1 8 | 21 47 | 0 46 | 3 38 | 0 43 | 0 33 | 1 36 | 26 47 | 8 57 | 16 26 | 16 49 | 21 2 | 15 3 | 5 56 |
| S 22 | 1 32 | 26 5 | 4 50 | 13 54 | 3 0 | 18 12 | 1 39 | 22 43 | 3 47 | 2 23 | 1 8 | 21 47 | 0 46 | 3 37 | 0 43 | 0 32 | 1 36 | 26 47 | 8 58 | 16 26 | 16 48 | 21 0 | 15 2 | 5 57 |
| M23 | 1 56 | 23 2 | 5 8 | 14 16 | 3 4 | 18 36 | 1 43 | 22 34 | 3 43 | 2 28 | 1 8 | 21 47 | 0 46 | 3 35 | 0 43 | 0 31 | 1 36 | 26 46 | 8 58 | 16 25 | 16 47 | 20 58 | 15 0 | 5 57 |
| T 24 | 2 20 | 18 28 | 5 6 | 14 36 | 3 7 | 18 59 | 1 46 | 22 25 | 3 39 | 2 33 | 1 8 | 21 47 | 0 46 | 3 34 | 0 43 | 0 30 | 1 36 | 26 46 | 8 58 | 16 23 | 16 46 | 20 56 | 14 59 | 5 58 |
| W25 | 2 43 | 12 45 | 4 44 | 14 53 | 3 10 | 19 22 | 1 50 | 22 16 | 3 36 | 2 38 | 1 8 | 21 47 | 0 46 | 3 33 | 0 43 | 0 29 | 1 36 | 26 46 | 8 58 | 16 22 | 16 45 | 20 54 | 14 58 | 5 59 |
| T 26 | 3 7 | 6 18 | 4 2 | 15 9 | 3 12 | 19 45 | 1 53 | 22 6 | 3 32 | 2 43 | 1 8 | 21 47 | 0 46 | 3 31 | 0 43 | 0 29 | 1 36 | 26 46 | 8 59 | 16 20 | 16 44 | 20 52 | 14 57 | 5 59 |
| F 27 | 3 31 | 0n25 | 3 5 | 15 22 | 3 13 | 20 7 | 1 56 | 21 57 | 3 28 | 2 49 | 1 8 | 21 47 | 0 46 | 3 30 | 0 43 | 0 28 | 1 36 | 26 46 | 8 59 | 16 19 | 16 43 | 20 50 | 14 55 | 6 0 |
| S 28 | 3 54 | 7 1 | 1 57 | 15 32 | 3 14 | 20 28 | 2 0 | 21 47 | 3 25 | 2 54 | 1 8 | 21 47 | 0 46 | 3 28 | 0 43 | 0 27 | 1 36 | 26 46 | 8 59 | 16 18 | 16 42 | 20 48 | 14 54 | 6 0 |
| S 29 | 4 18 | 13 7 | 0 43 | 15 39 | 3 14 | 20 49 | 2 3 | 21 37 | 3 21 | 2 59 | 1 8 | 21 47 | 0 46 | 3 27 | 0 43 | 0 26 | 1 36 | 26 46 | 9 0 | 16 17 | 16 41 | 20 46 | 14 53 | 6 1 |
| M30 | 4s41 | 18n25 | 0n31 | 15s43 | 3s12 | 21s 9 | 2s 6 | 21s27 | 3s18 | 3s 4 | 1n 8 | 21s47 | 0s46 | 3n25 | 0n43 | 0n25 | 1n36 | 26n46 | 9n 0 | 16n17 | 16n40 | 20n44 | 14n51 | 6s 2 |

Julian Day Number = 2072306.5, Delta T = 27m45s
Ecliptic obliquity = 23°34'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'10, Lahiri = 9°23'11 Julian Calendar 1 Sept. 961 == Greg. Calendar 6 Sept. 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## OCTOBER 961 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 58 37 | 12♎47'17 | 3♊28 | 3♏31 | 26♏ 8 | 8♒47 | 10♎32 | 26♑12 | 23♍ 8 | 2♎39 | 9♌ 0 | 14♉32 | 15♉47 | 17♌ 6 | 27♋37 | T 1 |
| W 2 | 1 2 33 | 13°47'04 | 16°17 | 3°R32 | 27°17 | 9°13 | 10°45 | 26°13 | 23°11 | 2°41 | 9° 1 | 14°34 | 15°44 | 17°13 | 27°40 | W 2 |
| T 3 | 1 6 30 | 14°46'54 | 28°46 | 3°25 | 28°26 | 9°39 | 10°58 | 26°13 | 23°15 | 2°43 | 9° 2 | 14°35 | 15°40 | 17°19 | 27°44 | T 3 |
| F 4 | 1 10 26 | 15°46'46 | 10♋59 | 3° 9 | 29°35 | 10° 5 | 11°11 | 26°14 | 23°18 | 2°46 | 9° 3 | 14°R36 | 15°37 | 17°26 | 27°47 | F 4 |
| S 5 | 1 14 23 | 16°46'40 | 22°59 | 2°45 | 0♐44 | 10°32 | 11°25 | 26°15 | 23°22 | 2°48 | 9° 3 | 14°36 | 15°34 | 17°33 | 27°50 | S 5 |
| S 6 | 1 18 19 | 17°46'36 | 4♌53 | 2°11 | 1°53 | 10°59 | 11°38 | 26°16 | 23°26 | 2°50 | 9° 4 | 14°35 | 15°31 | 17°39 | 27°53 | S 6 |
| M 7 | 1 22 16 | 18°46'35 | 16°45 | 1°28 | 3° 2 | 11°26 | 11°51 | 26°17 | 23°29 | 2°52 | 9° 5 | 14°32 | 15°28 | 17°46 | 27°56 | M 7 |
| T 8 | 1 26 12 | 19°46'35 | 28°39 | 0°36 | 4°10 | 11°54 | 12° 4 | 26°18 | 23°33 | 2°54 | 9° 6 | 14°29 | 15°25 | 17°53 | 27°59 | T 8 |
| W 9 | 1 30 9 | 20°46'38 | 10♍39 | 29♎36 | 5°19 | 12°22 | 12°17 | 26°20 | 23°36 | 2°56 | 9° 7 | 14°25 | 15°21 | 18° 0 | 28° 1 | W 9 |
| T 10 | 1 34 6 | 21°46'43 | 22°47 | 28°29 | 6°27 | 12°50 | 12°30 | 26°21 | 23°39 | 2°59 | 9° 8 | 14°21 | 15°18 | 18° 6 | 28° 4 | T 10 |
| F 11 | 1 38 2 | 22°46'50 | 5♎ 7 | 27°16 | 7°36 | 13°19 | 12°43 | 26°23 | 23°43 | 3° 1 | 9° 8 | 14°17 | 15°15 | 18°13 | 28° 7 | F 11 |
| S 12 | 1 41 59 | 23°46'59 | 17°38 | 26° 0 | 8°44 | 13°48 | 12°56 | 26°24 | 23°46 | 3° 3 | 9° 9 | 14°14 | 15°12 | 18°20 | 28° 9 | S 12 |
| S 13 | 1 45 55 | 24°47'10 | 0♏22 | 24°42 | 9°52 | 14°17 | 13° 9 | 26°26 | 23°50 | 3° 5 | 9°10 | 14°13 | 15° 9 | 18°27 | 28°12 | S 13 |
| M14 | 1 49 52 | 25°47'23 | 13°20 | 23°24 | 11° 0 | 14°47 | 13°22 | 26°28 | 23°53 | 3° 7 | 9°10 | 14°D12 | 15° 5 | 18°33 | 28°14 | M14 |
| T 15 | 1 53 48 | 26°47'37 | 26°30 | 22°10 | 12° 8 | 15°17 | 13°35 | 26°30 | 23°56 | 3° 9 | 9°11 | 14°13 | 15° 2 | 18°40 | 28°16 | T 15 |
| W16 | 1 57 45 | 27°47'54 | 9♐53 | 21° 2 | 13°15 | 15°47 | 13°47 | 26°32 | 24° 0 | 3°11 | 9°12 | 14°14 | 14°59 | 18°47 | 28°18 | W16 |
| T 17 | 2 1 41 | 28°48'12 | 23°28 | 20° 1 | 14°23 | 16°18 | 14° 0 | 26°34 | 24° 3 | 3°13 | 9°12 | 14°15 | 14°56 | 18°53 | 28°20 | T 17 |
| F 18 | 2 5 38 | 29°48'31 | 7♑14 | 19°10 | 15°30 | 16°49 | 14°13 | 26°36 | 24° 6 | 3°15 | 9°13 | 14°16 | 14°53 | 19° 0 | 28°22 | F 18 |
| S 19 | 2 9 35 | 0♏48'52 | 21°11 | 18°29 | 16°37 | 17°20 | 14°26 | 26°38 | 24°10 | 3°17 | 9°13 | 14°17 | 14°50 | 19° 7 | 28°24 | S 19 |
| S 20 | 2 13 31 | 1°49'15 | 5♒18 | 18° 0 | 17°44 | 17°51 | 14°39 | 26°41 | 24°13 | 3°19 | 9°14 | 14°R17 | 14°46 | 19°14 | 28°26 | S 20 |
| M21 | 2 17 28 | 2°49'38 | 19°33 | 17°43 | 18°51 | 18°23 | 14°52 | 26°43 | 24°16 | 3°21 | 9°14 | 14°16 | 14°43 | 19°20 | 28°27 | M21 |
| T 22 | 2 21 24 | 3°50'03 | 3♓53 | 17°D37 | 19°58 | 18°55 | 15° 4 | 26°46 | 24°19 | 3°23 | 9°15 | 14°15 | 14°40 | 19°27 | 28°29 | T 22 |
| W23 | 2 25 21 | 4°50'30 | 18°15 | 17°42 | 21° 4 | 19°27 | 15°17 | 26°49 | 24°22 | 3°25 | 9°15 | 14°14 | 14°37 | 19°34 | 28°30 | W23 |
| T 24 | 2 29 17 | 5°50'58 | 2♈36 | 17°58 | 22°10 | 19°59 | 15°30 | 26°51 | 24°25 | 3°27 | 9°16 | 14°13 | 14°34 | 19°40 | 28°31 | T 24 |
| F 25 | 2 33 14 | 6°51'27 | 16°49 | 18°24 | 23°16 | 20°32 | 15°42 | 26°54 | 24°28 | 3°29 | 9°16 | 14°12 | 14°30 | 19°47 | 28°33 | F 25 |
| S 26 | 2 37 10 | 7°51'58 | 0♉51 | 18°58 | 24°22 | 21° 4 | 15°55 | 26°57 | 24°31 | 3°31 | 9°16 | 14°12 | 14°27 | 19°54 | 28°34 | S 26 |
| S 27 | 2 41 7 | 8°52'30 | 14°37 | 19°41 | 25°28 | 21°37 | 16° 8 | 27° 0 | 24°34 | 3°33 | 9°16 | 14°D12 | 14°24 | 20° 1 | 28°35 | S 27 |
| M28 | 2 45 4 | 9°53'05 | 28° 5 | 20°31 | 26°33 | 22°11 | 16°20 | 27° 4 | 24°37 | 3°35 | 9°17 | 14°12 | 14°21 | 20° 7 | 28°36 | M28 |
| T 29 | 2 49 0 | 10°53'40 | 11♊14 | 21°27 | 27°38 | 22°44 | 16°33 | 27° 7 | 24°40 | 3°37 | 9°17 | 14°12 | 14°18 | 20°14 | 28°36 | T 29 |
| W30 | 2 52 57 | 11°54'18 | 24° 2 | 22°28 | 28°43 | 23°17 | 16°45 | 27°10 | 24°43 | 3°39 | 9°17 | 14°12 | 14°15 | 20°21 | 28°37 | W30 |
| T 31 | 2 56 53 | 12♏54'57 | 6♋33 | 23♎34 | 29♐48 | 23♒51 | 16♎58 | 27♑14 | 24♍46 | 3♎41 | 9♌17 | 14♉13 | 14♉11 | 20♌28 | 28♋38 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s 5 | 22n38 | 1n42 | 15s44 | 3s10 | 21s29 | 2s 9 | 21s17 | 3s14 | 3s 9 | 1n 8 | 21s47 | 0s46 | 3n24 | 0n43 | 0n24 | 1n36 | 26n46 | 9n 0 | 16n17 | 16n39 | 20n42 | 14n50 | 6s 2 |
| W 2 | 5 28 | 25 36 | 2 45 | 15 40 | 3 6 | 21 49 | 2 12 | 21 7 | 3 11 | 3 14 | 1 8 | 21 47 | 0 46 | 3 22 | 0 43 | 0 23 | 1 36 | 26 46 | 9 0 | 16 18 | 16 38 | 20 39 | 14 49 | 6 3 |
| T 3 | 5 51 | 27 13 | 3 39 | 15 33 | 3 0 | 22 7 | 2 15 | 20 57 | 3 7 | 3 20 | 1 8 | 21 47 | 0 46 | 3 21 | 0 43 | 0 22 | 1 36 | 26 46 | 9 1 | 16 18 | 16 38 | 20 37 | 14 48 | 6 3 |
| F 4 | 6 15 | 27 27 | 4 21 | 15 21 | 2 54 | 22 26 | 2 18 | 20 46 | 3 4 | 3 25 | 1 8 | 21 47 | 0 46 | 3 20 | 0 43 | 0 22 | 1 36 | 26 46 | 9 1 | 16 19 | 16 37 | 20 35 | 14 46 | 6 4 |
| S 5 | 6 38 | 26 23 | 4 51 | 15 5 | 2 45 | 22 43 | 2 21 | 20 36 | 3 1 | 3 30 | 1 8 | 21 47 | 0 46 | 3 18 | 0 43 | 0 21 | 1 36 | 26 46 | 9 1 | 16 19 | 16 36 | 20 33 | 14 45 | 6 5 |
| S 6 | 7 1 | 24 8 | 5 9 | 14 43 | 2 35 | 23 1 | 2 24 | 20 25 | 2 57 | 3 35 | 1 8 | 21 46 | 0 46 | 3 17 | 0 43 | 0 20 | 1 36 | 26 46 | 9 2 | 16 18 | 16 35 | 20 31 | 14 44 | 6 5 |
| M 7 | 7 24 | 20 52 | 5 13 | 14 17 | 2 23 | 23 17 | 2 27 | 20 14 | 2 54 | 3 40 | 1 8 | 21 46 | 0 46 | 3 15 | 0 43 | 0 19 | 1 36 | 26 47 | 9 2 | 16 17 | 16 34 | 20 29 | 14 43 | 6 6 |
| T 8 | 7 47 | 16 45 | 5 4 | 13 46 | 2 9 | 23 33 | 2 30 | 20 3 | 2 51 | 3 45 | 1 8 | 21 46 | 0 46 | 3 14 | 0 43 | 0 18 | 1 36 | 26 47 | 9 2 | 16 16 | 16 33 | 20 27 | 14 42 | 6 6 |
| W 9 | 8 9 | 11 57 | 4 41 | 13 10 | 1 54 | 23 48 | 2 32 | 19 52 | 2 48 | 3 50 | 1 8 | 21 46 | 0 46 | 3 13 | 0 43 | 0 17 | 1 36 | 26 47 | 9 3 | 16 15 | 16 32 | 20 24 | 14 41 | 6 7 |
| T 10 | 8 32 | 6 38 | 4 6 | 12 30 | 1 37 | 24 3 | 2 35 | 19 41 | 2 45 | 3 55 | 1 8 | 21 45 | 0 46 | 3 11 | 0 43 | 0 16 | 1 36 | 26 47 | 9 3 | 16 14 | 16 31 | 20 22 | 14 39 | 6 8 |
| F 11 | 8 55 | 1 0 | 3 19 | 11 46 | 1 18 | 24 17 | 2 37 | 19 30 | 2 41 | 4 0 | 1 8 | 21 45 | 0 46 | 3 10 | 0 43 | 0 16 | 1 36 | 26 47 | 9 3 | 16 13 | 16 30 | 20 20 | 14 38 | 6 8 |
| S 12 | 9 17 | 4s47 | 2 21 | 11 0 | 0 59 | 24 31 | 2 40 | 19 18 | 2 38 | 4 5 | 1 8 | 21 45 | 0 46 | 3 9 | 0 43 | 0 15 | 1 36 | 26 47 | 9 4 | 16 12 | 16 29 | 20 18 | 14 37 | 6 9 |
| S 13 | 9 39 | 10 29 | 1 16 | 10 13 | 0 38 | 24 44 | 2 42 | 19 7 | 2 35 | 4 10 | 1 8 | 21 45 | 0 46 | 3 7 | 0 43 | 0 14 | 1 36 | 26 47 | 9 4 | 16 12 | 16 28 | 20 16 | 14 36 | 6 10 |
| M14 | 10 1 | 15 51 | 0 5 | 9 25 | 0 17 | 24 56 | 2 45 | 18 55 | 2 32 | 4 16 | 1 8 | 21 44 | 0 46 | 3 6 | 0 43 | 0 13 | 1 36 | 26 47 | 9 4 | 16 11 | 16 27 | 20 14 | 14 35 | 6 10 |
| T 15 | 10 23 | 20 34 | 1s 7 | 8 38 | 0n 3 | 25 8 | 2 47 | 18 43 | 2 29 | 4 21 | 1 8 | 21 44 | 0 46 | 3 5 | 0 43 | 0 12 | 1 36 | 26 47 | 9 5 | 16 12 | 16 26 | 20 11 | 14 34 | 6 11 |
| W16 | 10 45 | 24 19 | 2 17 | 7 54 | 0 23 | 25 19 | 2 49 | 18 31 | 2 26 | 4 26 | 1 8 | 21 43 | 0 46 | 3 3 | 0 43 | 0 12 | 1 36 | 26 48 | 9 5 | 16 12 | 16 25 | 20 9 | 14 33 | 6 12 |
| T 17 | 11 7 | 26 45 | 3 20 | 7 13 | 0 42 | 25 29 | 2 51 | 18 19 | 2 23 | 4 31 | 1 8 | 21 43 | 0 46 | 3 2 | 0 43 | 0 11 | 1 36 | 26 48 | 9 5 | 16 12 | 16 24 | 20 7 | 14 32 | 6 12 |
| F 18 | 11 28 | 27 35 | 4 13 | 6 37 | 1 0 | 25 39 | 2 53 | 18 7 | 2 20 | 4 36 | 1 8 | 21 43 | 0 46 | 3 1 | 0 43 | 0 10 | 1 36 | 26 48 | 9 6 | 16 13 | 16 24 | 20 5 | 14 31 | 6 13 |
| S 19 | 11 49 | 26 41 | 4 51 | 6 7 | 1 16 | 25 48 | 2 54 | 17 55 | 2 18 | 4 40 | 1 8 | 21 42 | 0 46 | 2 59 | 0 43 | 0 9 | 1 36 | 26 48 | 9 6 | 16 13 | 16 23 | 20 3 | 14 30 | 6 14 |
| S 20 | 12 10 | 24 6 | 5 12 | 5 43 | 1 30 | 25 56 | 2 56 | 17 42 | 2 15 | 4 45 | 1 8 | 21 42 | 0 46 | 2 58 | 0 43 | 0 8 | 1 36 | 26 48 | 9 6 | 16 13 | 16 22 | 20 0 | 14 29 | 6 14 |
| M21 | 12 31 | 20 1 | 5 15 | 5 25 | 1 43 | 26 3 | 2 58 | 17 30 | 2 12 | 4 50 | 1 8 | 21 41 | 0 46 | 2 57 | 0 43 | 0 8 | 1 36 | 26 48 | 9 7 | 16 13 | 16 21 | 19 58 | 14 28 | 6 15 |
| T 22 | 12 52 | 14 45 | 4 58 | 5 13 | 1 53 | 26 10 | 2 59 | 17 17 | 2 9 | 4 55 | 1 8 | 21 41 | 0 46 | 2 56 | 0 43 | 0 7 | 1 36 | 26 49 | 9 7 | 16 12 | 16 20 | 19 56 | 14 27 | 6 16 |
| W23 | 13 13 | 8 41 | 4 22 | 5 7 | 2 2 | 26 17 | 3 1 | 17 4 | 2 7 | 5 0 | 1 8 | 21 40 | 0 46 | 2 54 | 0 43 | 0 6 | 1 36 | 26 49 | 9 7 | 16 12 | 16 19 | 19 54 | 14 26 | 6 16 |
| T 24 | 13 33 | 2 11 | 3 31 | 5 6 | 2 9 | 26 22 | 3 2 | 16 51 | 2 4 | 5 5 | 1 8 | 21 40 | 0 46 | 2 53 | 0 43 | 0 5 | 1 36 | 26 49 | 9 8 | 16 12 | 16 18 | 19 51 | 14 25 | 6 17 |
| F 25 | 13 53 | 4n24 | 2 26 | 5 11 | 2 14 | 26 27 | 3 3 | 16 38 | 2 1 | 5 10 | 1 8 | 21 39 | 0 46 | 2 52 | 0 43 | 0 5 | 1 36 | 26 49 | 9 8 | 16 12 | 16 17 | 19 49 | 14 24 | 6 18 |
| S 26 | 14 13 | 10 41 | 1 13 | 5 21 | 2 18 | 26 31 | 3 4 | 16 25 | 1 59 | 5 15 | 1 8 | 21 38 | 0 46 | 2 51 | 0 43 | 0 4 | 1 36 | 26 49 | 9 8 | 16 11 | 16 16 | 19 47 | 14 23 | 6 18 |
| S 27 | 14 32 | 16 21 | 0n 2 | 5 35 | 2 20 | 26 35 | 3 5 | 16 12 | 1 56 | 5 20 | 1 9 | 21 38 | 0 46 | 2 50 | 0 43 | 0 3 | 1 36 | 26 50 | 9 9 | 16 11 | 16 15 | 19 45 | 14 22 | 6 19 |
| M28 | 14 52 | 21 5 | 1 16 | 5 52 | 2 22 | 26 38 | 3 6 | 15 59 | 1 53 | 5 24 | 1 9 | 21 37 | 0 46 | 2 49 | 0 43 | 0 2 | 1 36 | 26 50 | 9 9 | 16 11 | 16 14 | 19 42 | 14 22 | 6 20 |
| T 29 | 15 11 | 24 38 | 2 24 | 6 13 | 2 22 | 26 40 | 3 6 | 15 46 | 1 51 | 5 29 | 1 9 | 21 37 | 0 46 | 2 47 | 0 43 | 0 2 | 1 36 | 26 50 | 9 9 | 16 11 | 16 13 | 19 40 | 14 21 | 6 20 |
| W30 | 15 30 | 26 50 | 3 23 | 6 37 | 2 21 | 26 41 | 3 7 | 15 32 | 1 48 | 5 34 | 1 9 | 21 36 | 0 46 | 2 46 | 0 43 | 0 1 | 1 36 | 26 50 | 9 10 | 16 12 | 16 12 | 19 38 | 14 20 | 6 21 |
| T 31 | 15s48 | 27n36 | 4n11 | 7s 3 | 2n19 | 26s42 | 3s 7 | 15s18 | 1s46 | 5s39 | 1n 9 | 21s35 | 0s46 | 2n45 | 0n43 | 0n 0 | 1n37 | 26n51 | 9n10 | 16n12 | 16n11 | 19n36 | 14n19 | 6s22 |

Julian Day Number = 2072336.5, Delta T = 27m44s
Ecliptic obliquity = 23°34'32, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'14, Lahiri = 9°23'15 Julian Calendar 1 Oct. 961 == Greg. Calendar 6 Oct. 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## NOVEMBER 961 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 0 50 | 13♏55'38 | 18♋48 | 24♎45 | 0♑52 | 24♒25 | 17♎10 | 27♑17 | 24♍49 | 3♎43 | 9♌18 | 14°R13 | 14♉ 8 | 20♌34 | 28♋38 | F 1 |
| S 2 | 3 4 46 | 14°56'20 | 0♌51 | 25°59 | 1°57 | 24°59 | 17°22 | 27°21 | 24°51 | 3°44 | 9°18 | 14♉13 | 14° 5 | 20°41 | 28°39 | S 2 |
| S 3 | 3 8 43 | 15°57'04 | 12°46 | 27°16 | 3° 0 | 25°33 | 17°35 | 27°24 | 24°54 | 3°46 | 9°18 | 14°D13 | 14° 2 | 20°48 | 28°39 | S 3 |
| M 4 | 3 12 39 | 16°57'50 | 24°39 | 28°35 | 4° 4 | 26° 8 | 17°47 | 27°28 | 24°57 | 3°48 | 9°18 | 14°13 | 13°59 | 20°54 | 28°39 | M 4 |
| T 5 | 3 16 36 | 17°58'37 | 6♍33 | 29°57 | 5° 7 | 26°42 | 17°59 | 27°32 | 25° 0 | 3°50 | 9°R18 | 14°13 | 13°56 | 21° 1 | 28°R39 | T 5 |
| W 6 | 3 20 33 | 18°59'26 | 18°33 | 1♏20 | 6°10 | 27°17 | 18°11 | 27°36 | 25° 2 | 3°51 | 9°18 | 14°13 | 13°52 | 21° 8 | 28°39 | W 6 |
| T 7 | 3 24 29 | 20° 0'16 | 0♎44 | 2°45 | 7°13 | 27°52 | 18°23 | 27°40 | 25° 5 | 3°53 | 9°18 | 14°14 | 13°49 | 21°15 | 28°39 | T 7 |
| F 8 | 3 28 26 | 21° 1'08 | 13°10 | 4°12 | 8°16 | 28°27 | 18°35 | 27°44 | 25° 7 | 3°55 | 9°18 | 14°15 | 13°46 | 21°21 | 28°39 | F 8 |
| S 9 | 3 32 22 | 22° 2'01 | 25°51 | 5°39 | 9°18 | 29° 2 | 18°47 | 27°48 | 25°10 | 3°56 | 9°18 | 14°15 | 13°43 | 21°28 | 28°38 | S 9 |
| S 10 | 3 36 19 | 23° 2'56 | 8♏52 | 7° 8 | 10°19 | 29°38 | 18°59 | 27°53 | 25°12 | 3°58 | 9°18 | 14°R16 | 13°40 | 21°35 | 28°38 | S 10 |
| M11 | 3 40 15 | 24° 3'52 | 22°10 | 8°37 | 11°21 | 0♓13 | 19°11 | 27°57 | 25°15 | 4° 0 | 9°17 | 14°16 | 13°36 | 21°42 | 28°37 | M11 |
| T 12 | 3 44 12 | 25° 4'49 | 5♐46 | 10° 7 | 12°22 | 0°49 | 19°23 | 28° 1 | 25°17 | 4° 1 | 9°17 | 14°15 | 13°33 | 21°48 | 28°37 | T 12 |
| W13 | 3 48 8 | 26° 5'47 | 19°38 | 11°37 | 13°22 | 1°24 | 19°35 | 28° 6 | 25°19 | 4° 3 | 9°17 | 14°14 | 13°30 | 21°55 | 28°36 | W13 |
| T 14 | 3 52 5 | 27° 6'46 | 3♑40 | 13° 8 | 14°23 | 2° 0 | 19°47 | 28°11 | 25°21 | 4° 4 | 9°17 | 14°12 | 13°27 | 22° 2 | 28°35 | T 14 |
| F 15 | 3 56 2 | 28° 7'46 | 17°51 | 14°39 | 15°23 | 2°36 | 19°58 | 28°15 | 25°24 | 4° 6 | 9°17 | 14°10 | 13°24 | 22° 8 | 28°34 | F 15 |
| S 16 | 3 59 58 | 29° 8'46 | 2♒ 6 | 16°11 | 16°22 | 3°13 | 20°10 | 28°20 | 25°26 | 4° 7 | 9°16 | 14° 9 | 13°21 | 22°15 | 28°33 | S 16 |
| S 17 | 4 3 55 | 0♐ 9'48 | 16°21 | 17°43 | 17°21 | 3°49 | 20°21 | 28°25 | 25°28 | 4° 9 | 9°16 | 14° 8 | 13°17 | 22°22 | 28°32 | S 17 |
| M18 | 4 7 51 | 1°10'49 | 0♓34 | 19°15 | 18°19 | 4°25 | 20°33 | 28°30 | 25°30 | 4°10 | 9°16 | 14°D 7 | 13°14 | 22°29 | 28°31 | M18 |
| T 19 | 4 11 48 | 2°11'52 | 14°42 | 20°47 | 19°17 | 5° 2 | 20°44 | 28°35 | 25°32 | 4°11 | 9°15 | 14° 7 | 13°11 | 22°35 | 28°30 | T 19 |
| W20 | 4 15 44 | 3°12'55 | 28°43 | 22°19 | 20°15 | 5°38 | 20°55 | 28°40 | 25°34 | 4°13 | 9°15 | 14° 8 | 13° 8 | 22°42 | 28°28 | W20 |
| T 21 | 4 19 41 | 4°13'58 | 12♈36 | 23°52 | 21°12 | 6°15 | 21° 6 | 28°45 | 25°36 | 4°14 | 9°14 | 14°10 | 13° 5 | 22°49 | 28°27 | T 21 |
| F 22 | 4 23 37 | 5°15'02 | 26°20 | 25°24 | 22° 8 | 6°52 | 21°18 | 28°50 | 25°38 | 4°15 | 9°14 | 14°11 | 13° 2 | 22°55 | 28°25 | F 22 |
| S 23 | 4 27 34 | 6°16'06 | 9♉53 | 26°57 | 23° 4 | 7°29 | 21°29 | 28°55 | 25°40 | 4°17 | 9°13 | 14°R12 | 12°58 | 23° 2 | 28°23 | S 23 |
| S 24 | 4 31 31 | 7°17'11 | 23°14 | 28°30 | 23°59 | 8° 6 | 21°40 | 29° 1 | 25°42 | 4°18 | 9°13 | 14°12 | 12°55 | 23° 9 | 28°22 | S 24 |
| M25 | 4 35 27 | 8°18'17 | 6♊23 | 0♐ 3 | 24°53 | 8°43 | 21°50 | 29° 6 | 25°43 | 4°19 | 9°12 | 14°10 | 12°52 | 23°16 | 28°20 | M25 |
| T 26 | 4 39 24 | 9°19'24 | 19°17 | 1°36 | 25°47 | 9°20 | 22° 1 | 29°11 | 25°45 | 4°20 | 9°12 | 14° 8 | 12°49 | 23°22 | 28°18 | T 26 |
| W27 | 4 43 20 | 10°20'31 | 1♋57 | 3°10 | 26°41 | 9°57 | 22°12 | 29°17 | 25°47 | 4°22 | 9°11 | 14° 4 | 12°46 | 23°29 | 28°16 | W27 |
| T 28 | 4 47 17 | 11°21'38 | 14°23 | 4°43 | 27°33 | 10°34 | 22°23 | 29°22 | 25°48 | 4°23 | 9°11 | 13°59 | 12°42 | 23°36 | 28°13 | T 28 |
| F 29 | 4 51 13 | 12°22'47 | 26°37 | 6°17 | 28°25 | 11°12 | 22°33 | 29°28 | 25°50 | 4°24 | 9°10 | 13°54 | 12°39 | 23°43 | 28°11 | F 29 |
| S 30 | 4 55 10 | 13♐23'56 | 8♌40 | 7♐50 | 29♑16 | 11♓49 | 22♎44 | 29♑34 | 25♍51 | 4♎25 | 9♌ 9 | 13♉49 | 12♉36 | 23♌49 | 28♋ 9 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s 7 | 26n59 | 4n46 | 7s32 | 2n16 | 26s42 | 3s 8 | 15s 5 | 1s43 | 5s43 | 1n 9 | 21s35 | 0s46 | 2n44 | 0n43 | 0s 0 | 1n37 | 26n51 | 9n10 | 16n12 | 16n10 | 19n33 | 14n18 | 6s22 |
| S 2 | 16 25 | 25 6 | 5 8 | 8 2 | 2 13 | 26 41 | 3 8 | 14 51 | 1 41 | 5 48 | 1 9 | 21 34 | 0 46 | 2 43 | 0 43 | 0 1 | 1 37 | 26 51 | 9 11 | 16 12 | 16 9 | 19 31 | 14 18 | 6 23 |
| S 3 | 16 42 | 22 8 | 5 17 | 8 33 | 2 9 | 26 40 | 3 8 | 14 37 | 1 39 | 5 53 | 1 9 | 21 33 | 0 46 | 2 42 | 0 43 | 0 2 | 1 37 | 26 52 | 9 11 | 16 12 | 16 8 | 19 29 | 14 17 | 6 24 |
| M 4 | 17 0 | 18 16 | 5 12 | 9 6 | 2 4 | 26 38 | 3 8 | 14 23 | 1 36 | 5 57 | 1 9 | 21 32 | 0 46 | 2 41 | 0 43 | 0 2 | 1 37 | 26 52 | 9 11 | 16 12 | 16 7 | 19 26 | 14 16 | 6 24 |
| T 5 | 17 17 | 13 42 | 4 53 | 9 39 | 1 59 | 26 36 | 3 7 | 14 9 | 1 34 | 6 2 | 1 9 | 21 32 | 0 46 | 2 40 | 0 43 | 0 3 | 1 37 | 26 52 | 9 12 | 16 12 | 16 7 | 19 24 | 14 16 | 6 25 |
| W 6 | 17 34 | 8 34 | 4 22 | 10 14 | 1 54 | 26 32 | 3 7 | 13 55 | 1 32 | 6 6 | 1 9 | 21 31 | 0 46 | 2 39 | 0 43 | 0 4 | 1 37 | 26 53 | 9 12 | 16 12 | 16 6 | 19 22 | 14 15 | 6 26 |
| T 7 | 17 51 | 3 2 | 3 38 | 10 48 | 1 48 | 26 28 | 3 6 | 13 41 | 1 29 | 6 11 | 1 9 | 21 30 | 0 46 | 2 38 | 0 44 | 0 4 | 1 37 | 26 53 | 9 12 | 16 12 | 16 5 | 19 19 | 14 14 | 6 26 |
| F 8 | 18 7 | 2s43 | 2 44 | 11 23 | 1 42 | 26 24 | 3 5 | 13 26 | 1 27 | 6 16 | 1 9 | 21 29 | 0 46 | 2 37 | 0 44 | 0 5 | 1 37 | 26 53 | 9 13 | 16 12 | 16 4 | 19 17 | 14 14 | 6 27 |
| S 9 | 18 23 | 8 29 | 1 40 | 11 59 | 1 36 | 26 19 | 3 4 | 13 12 | 1 25 | 6 20 | 1 9 | 21 28 | 0 46 | 2 36 | 0 44 | 0 6 | 1 37 | 26 54 | 9 13 | 16 12 | 16 3 | 19 15 | 14 13 | 6 28 |
| S 10 | 18 38 | 14 4 | 0 30 | 12 34 | 1 29 | 26 13 | 3 3 | 12 57 | 1 23 | 6 24 | 1 9 | 21 28 | 0 46 | 2 35 | 0 44 | 0 6 | 1 37 | 26 54 | 9 13 | 16 13 | 16 2 | 19 12 | 14 13 | 6 28 |
| M11 | 18 54 | 19 7 | 0s44 | 13 9 | 1 23 | 26 6 | 3 2 | 12 43 | 1 20 | 6 29 | 1 10 | 21 27 | 0 46 | 2 34 | 0 44 | 0 7 | 1 37 | 26 54 | 9 14 | 16 13 | 16 1 | 19 10 | 14 12 | 6 29 |
| T 12 | 19 9 | 23 18 | 1 56 | 13 44 | 1 16 | 25 59 | 3 0 | 12 28 | 1 18 | 6 33 | 1 10 | 21 26 | 0 46 | 2 33 | 0 44 | 0 7 | 1 37 | 26 55 | 9 14 | 16 12 | 16 0 | 19 8 | 14 11 | 6 30 |
| W13 | 19 23 | 26 13 | 3 3 | 14 19 | 1 9 | 25 52 | 2 59 | 12 13 | 1 16 | 6 38 | 1 10 | 21 25 | 0 46 | 2 32 | 0 44 | 0 8 | 1 37 | 26 55 | 9 14 | 16 12 | 15 59 | 19 5 | 14 11 | 6 30 |
| T 14 | 19 38 | 27 32 | 4 0 | 14 53 | 1 2 | 25 44 | 2 57 | 11 58 | 1 14 | 6 42 | 1 10 | 21 24 | 0 46 | 2 31 | 0 44 | 0 9 | 1 37 | 26 55 | 9 15 | 16 11 | 15 58 | 19 3 | 14 11 | 6 31 |
| F 15 | 19 51 | 27 3 | 4 43 | 15 27 | 0 55 | 25 35 | 2 55 | 11 43 | 1 12 | 6 46 | 1 10 | 21 23 | 0 46 | 2 31 | 0 44 | 0 9 | 1 37 | 26 56 | 9 15 | 16 11 | 15 57 | 19 1 | 14 10 | 6 32 |
| S 16 | 20 5 | 24 49 | 5 9 | 16 0 | 0 48 | 25 25 | 2 53 | 11 28 | 1 10 | 6 51 | 1 10 | 21 22 | 0 46 | 2 30 | 0 44 | 0 10 | 1 37 | 26 56 | 9 15 | 16 10 | 15 56 | 18 58 | 14 10 | 6 32 |
| S 17 | 20 18 | 21 2 | 5 15 | 16 33 | 0 41 | 25 16 | 2 50 | 11 13 | 1 8 | 6 55 | 1 10 | 21 21 | 0 46 | 2 29 | 0 44 | 0 10 | 1 37 | 26 57 | 9 16 | 16 10 | 15 55 | 18 56 | 14 9 | 6 33 |
| M18 | 20 31 | 16 3 | 5 3 | 17 6 | 0 34 | 25 5 | 2 48 | 10 58 | 1 6 | 6 59 | 1 10 | 21 20 | 0 46 | 2 28 | 0 44 | 0 11 | 1 37 | 26 57 | 9 16 | 16 10 | 15 54 | 18 54 | 14 9 | 6 34 |
| T 19 | 20 43 | 10 14 | 4 32 | 17 37 | 0 27 | 24 54 | 2 45 | 10 43 | 1 4 | 7 3 | 1 10 | 21 19 | 0 46 | 2 27 | 0 44 | 0 11 | 1 37 | 26 57 | 9 16 | 16 10 | 15 53 | 18 51 | 14 9 | 6 34 |
| W20 | 20 55 | 3 57 | 3 45 | 18 8 | 0 20 | 24 43 | 2 42 | 10 27 | 1 2 | 7 7 | 1 10 | 21 18 | 0 46 | 2 27 | 0 44 | 0 12 | 1 37 | 26 58 | 9 17 | 16 10 | 15 52 | 18 49 | 14 8 | 6 35 |
| T 21 | 21 7 | 2n28 | 2 45 | 18 38 | 0 13 | 24 31 | 2 39 | 10 12 | 1 0 | 7 12 | 1 10 | 21 17 | 0 46 | 2 26 | 0 44 | 0 12 | 1 38 | 26 58 | 9 17 | 16 11 | 15 51 | 18 46 | 14 8 | 6 35 |
| F 22 | 21 18 | 8 43 | 1 37 | 19 8 | 0 6 | 24 18 | 2 36 | 9 56 | 0 58 | 7 16 | 1 11 | 21 16 | 0 46 | 2 25 | 0 44 | 0 13 | 1 38 | 26 59 | 9 17 | 16 11 | 15 50 | 18 44 | 14 8 | 6 36 |
| S 23 | 21 29 | 14 29 | 0 24 | 19 36 | 0s 1 | 24 5 | 2 32 | 9 41 | 0 56 | 7 20 | 1 11 | 21 15 | 0 46 | 2 24 | 0 44 | 0 13 | 1 38 | 26 59 | 9 18 | 16 11 | 15 49 | 18 42 | 14 7 | 6 37 |
| S 24 | 21 39 | 19 29 | 0n50 | 20 4 | 0 8 | 23 52 | 2 28 | 9 25 | 0 54 | 7 24 | 1 11 | 21 14 | 0 46 | 2 24 | 0 44 | 0 14 | 1 38 | 27 0 | 9 18 | 16 11 | 15 48 | 18 39 | 14 7 | 6 37 |
| M25 | 21 49 | 23 27 | 1 59 | 20 31 | 0 15 | 23 38 | 2 24 | 9 10 | 0 53 | 7 28 | 1 11 | 21 13 | 0 46 | 2 23 | 0 44 | 0 14 | 1 38 | 27 0 | 9 18 | 16 11 | 15 47 | 18 37 | 14 7 | 6 38 |
| T 26 | 21 58 | 26 9 | 3 1 | 20 57 | 0 21 | 23 24 | 2 20 | 8 54 | 0 51 | 7 32 | 1 11 | 21 12 | 0 46 | 2 22 | 0 44 | 0 14 | 1 38 | 27 1 | 9 18 | 16 10 | 15 46 | 18 34 | 14 7 | 6 38 |
| W27 | 22 8 | 27 26 | 3 52 | 21 22 | 0 28 | 23 9 | 2 15 | 8 38 | 0 49 | 7 36 | 1 11 | 21 10 | 0 46 | 2 22 | 0 44 | 0 15 | 1 38 | 27 1 | 9 19 | 16 9 | 15 45 | 18 32 | 14 7 | 6 39 |
| T 28 | 22 16 | 27 18 | 4 32 | 21 46 | 0 34 | 22 54 | 2 11 | 8 22 | 0 47 | 7 39 | 1 11 | 21 9 | 0 46 | 2 21 | 0 44 | 0 15 | 1 38 | 27 1 | 9 19 | 16 7 | 15 44 | 18 29 | 14 6 | 6 40 |
| F 29 | 22 24 | 25 50 | 4 58 | 22 9 | 0 41 | 22 39 | 2 6 | 8 7 | 0 46 | 7 43 | 1 11 | 21 8 | 0 46 | 2 21 | 0 44 | 0 16 | 1 38 | 27 2 | 9 19 | 16 6 | 15 43 | 18 27 | 14 6 | 6 40 |
| S 30 | 22s32 | 23n12 | 5n11 | 22s31 | 0s47 | 22s23 | 2s 0 | 7s51 | 0s44 | 7s47 | 1n11 | 21s 7 | 0s47 | 2n20 | 0n44 | 0s16 | 1n38 | 27n 2 | 9n20 | 16n 5 | 15n42 | 18n25 | 14n 6 | 6s41 |

Julian Day Number = 2072367.5, Delta T = 27m44s
Ecliptic obliquity = 23°34'32, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'18, Lahiri = 9°23'19 Julian Calendar 1 Nov. 961 == Greg. Calendar 6 Nov. 961


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# ASTRODIENST EPHEMERIS for the year 961
# geocentric

## DECEMBER 961 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 59 7 | 14♐25'05 | 20♌35 | 9♐24 | 0♒ 6 | 12♓27 | 22♎54 | 29♑39 | 25♍53 | 4♎26 | 9°R 8 | 13°R45 | 12♉33 | 23♌56 | 28°R 6 | S 1 |
| M 2 | 5 3 3 | 15°26'15 | 2♍27 | 10°59 | 0°56 | 13° 5 | 23° 4 | 29°45 | 25°54 | 4°27 | 9♌ 8 | 13♉43 | 12°30 | 24° 3 | 28♋ 4 | M 2 |
| T 3 | 5 7 0 | 16°27'26 | 14°20 | 12°33 | 1°44 | 13°42 | 23°15 | 29°51 | 25°55 | 4°28 | 9° 7 | 13°D42 | 12°27 | 24° 9 | 28° 1 | T 3 |
| W 4 | 5 10 56 | 17°28'38 | 26°18 | 14° 8 | 2°32 | 14°20 | 23°25 | 29°57 | 25°57 | 4°29 | 9° 6 | 13°42 | 12°23 | 24°16 | 27°58 | W 4 |
| T 5 | 5 14 53 | 18°29'50 | 8♎27 | 15°42 | 3°19 | 14°58 | 23°35 | 0♒ 3 | 25°58 | 4°30 | 9° 5 | 13°44 | 12°20 | 24°23 | 27°56 | T 5 |
| F 6 | 5 18 49 | 19°31'02 | 20°52 | 17°17 | 4° 5 | 15°36 | 23°45 | 0° 9 | 25°59 | 4°31 | 9° 5 | 13°45 | 12°17 | 24°30 | 27°53 | F 6 |
| S 7 | 5 22 46 | 20°32'15 | 3♏36 | 18°53 | 4°49 | 16°14 | 23°54 | 0°15 | 26° 0 | 4°32 | 9° 4 | 13°47 | 12°14 | 24°36 | 27°50 | S 7 |
| S 8 | 5 26 42 | 21°33'28 | 16°43 | 20°28 | 5°33 | 16°52 | 24° 4 | 0°21 | 26° 1 | 4°32 | 9° 3 | 13°R47 | 12°11 | 24°43 | 27°47 | S 8 |
| M 9 | 5 30 39 | 22°34'42 | 0♐15 | 22° 4 | 6°16 | 17°30 | 24°14 | 0°27 | 26° 2 | 4°33 | 9° 2 | 13°46 | 12° 8 | 24°50 | 27°44 | M 9 |
| T 10 | 5 34 36 | 23°35'56 | 14°11 | 23°40 | 6°58 | 18° 8 | 24°23 | 0°34 | 26° 3 | 4°34 | 9° 1 | 13°43 | 12° 4 | 24°56 | 27°41 | T 10 |
| W11 | 5 38 32 | 24°37'10 | 28°28 | 25°17 | 7°38 | 18°46 | 24°32 | 0°40 | 26° 4 | 4°35 | 9° 0 | 13°38 | 12° 1 | 25° 3 | 27°37 | W11 |
| T 12 | 5 42 29 | 25°38'25 | 13♑ 0 | 26°54 | 8°17 | 19°24 | 24°42 | 0°46 | 26° 5 | 4°35 | 8°59 | 13°31 | 11°58 | 25°10 | 27°34 | T 12 |
| F 13 | 5 46 25 | 26°39'39 | 27°42 | 28°31 | 8°55 | 20° 3 | 24°51 | 0°53 | 26° 6 | 4°36 | 8°58 | 13°24 | 11°55 | 25°17 | 27°31 | F 13 |
| S 14 | 5 50 22 | 27°40'52 | 12♒24 | 0♑ 9 | 9°32 | 20°41 | 25° 0 | 0°59 | 26° 6 | 4°37 | 8°57 | 13°17 | 11°52 | 25°23 | 27°27 | S 14 |
| S 15 | 5 54 18 | 28°42'06 | 27° 0 | 1°47 | 10° 7 | 21°19 | 25° 9 | 1° 6 | 26° 7 | 4°37 | 8°56 | 13°12 | 11°48 | 25°30 | 27°24 | S 15 |
| M16 | 5 58 15 | 29°43'19 | 11♓25 | 3°25 | 10°41 | 21°58 | 25°18 | 1°12 | 26° 8 | 4°38 | 8°55 | 13° 8 | 11°45 | 25°37 | 27°20 | M16 |
| T 17 | 6 2 11 | 0♑44'31 | 25°35 | 5° 3 | 11°14 | 22°36 | 25°26 | 1°19 | 26° 8 | 4°38 | 8°54 | 13°D 7 | 11°42 | 25°44 | 27°16 | T 17 |
| W18 | 6 6 8 | 1°45'43 | 9♈29 | 6°42 | 11°44 | 23°15 | 25°35 | 1°25 | 26° 9 | 4°39 | 8°53 | 13° 7 | 11°39 | 25°50 | 27°13 | W18 |
| T 19 | 6 10 5 | 2°46'54 | 23° 7 | 8°22 | 12°14 | 23°54 | 25°43 | 1°32 | 26° 9 | 4°39 | 8°52 | 13° 8 | 11°36 | 25°57 | 27° 9 | T 19 |
| F 20 | 6 14 1 | 3°48'04 | 6♉30 | 10° 2 | 12°41 | 24°32 | 25°52 | 1°38 | 26° 9 | 4°40 | 8°51 | 13°R 9 | 11°33 | 26° 4 | 27° 5 | F 20 |
| S 21 | 6 17 58 | 4°49'15 | 19°39 | 11°42 | 13° 7 | 25°11 | 26° 0 | 1°45 | 26°10 | 4°40 | 8°49 | 13° 9 | 11°29 | 26°10 | 27° 1 | S 21 |
| S 22 | 6 21 54 | 5°50'24 | 2♊36 | 13°22 | 13°31 | 25°49 | 26° 8 | 1°52 | 26°10 | 4°40 | 8°48 | 13° 7 | 11°26 | 26°17 | 26°57 | S 22 |
| M23 | 6 25 51 | 6°51'33 | 15°22 | 15° 2 | 13°53 | 26°28 | 26°16 | 1°59 | 26°10 | 4°41 | 8°47 | 13° 2 | 11°23 | 26°24 | 26°53 | M23 |
| T 24 | 6 29 47 | 7°52'42 | 27°58 | 16°43 | 14°13 | 27° 7 | 26°24 | 2° 5 | 26°10 | 4°41 | 8°46 | 12°55 | 11°20 | 26°31 | 26°49 | T 24 |
| W25 | 6 33 44 | 8°53'50 | 10♋24 | 18°24 | 14°31 | 27°46 | 26°31 | 2°12 | 26°11 | 4°41 | 8°45 | 12°46 | 11°17 | 26°37 | 26°45 | W25 |
| T 26 | 6 37 40 | 9°54'57 | 22°40 | 20° 5 | 14°47 | 28°25 | 26°39 | 2°19 | 26°R11 | 4°41 | 8°43 | 12°35 | 11°14 | 26°44 | 26°41 | T 26 |
| F 27 | 6 41 37 | 10°56'04 | 4♌48 | 21°46 | 15° 1 | 29° 3 | 26°46 | 2°26 | 26°11 | 4°42 | 8°42 | 12°23 | 11°10 | 26°51 | 26°37 | F 27 |
| S 28 | 6 45 34 | 11°57'11 | 16°48 | 23°27 | 15°12 | 29°42 | 26°54 | 2°33 | 26°10 | 4°42 | 8°41 | 12°12 | 11° 7 | 26°57 | 26°33 | S 28 |
| S 29 | 6 49 30 | 12°58'16 | 28°41 | 25° 8 | 15°22 | 0♈21 | 27° 1 | 2°40 | 26°10 | 4°42 | 8°40 | 12° 2 | 11° 4 | 27° 4 | 26°29 | S 29 |
| M30 | 6 53 27 | 13°59'22 | 10♍32 | 26°48 | 15°29 | 1° 0 | 27° 8 | 2°47 | 26°10 | 4°42 | 8°38 | 11°54 | 11° 1 | 27°11 | 26°25 | M30 |
| T 31 | 6 57 23 | 15♑ 0'27 | 22♍23 | 28♑28 | 15♒34 | 1♈39 | 27♎14 | 2♒54 | 26♍10 | 4♎42 | 8♌37 | 11♉48 | 10♉58 | 27♌18 | 26♋20 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s40 | 19n36 | 5n10 | 22s51 | 0s53 | 22s 7 | 1s55 | 7s35 | 0s42 | 7s51 | 1n12 | 21s 6 | 0s47 | 2n20 | 0n44 | 0s16 | 1n38 | 27n 3 | 9n20 | 16n 3 | 15n41 | 18n22 | 14n 6 | 6s41 |
| M 2 | 22 46 | 15 15 | 4 56 | 23 11 | 0 59 | 21 51 | 1 49 | 7 19 | 0 41 | 7 54 | 1 12 | 21 5 | 0 47 | 2 19 | 0 44 | 0 17 | 1 38 | 27 3 | 9 20 | 16 3 | 15 41 | 18 20 | 14 6 | 6 42 |
| T 3 | 22 53 | 10 20 | 4 29 | 23 30 | 1 4 | 21 34 | 1 43 | 7 2 | 0 39 | 7 58 | 1 12 | 21 3 | 0 47 | 2 19 | 0 44 | 0 17 | 1 38 | 27 4 | 9 21 | 16 2 | 15 40 | 18 17 | 14 6 | 6 42 |
| W 4 | 22 59 | 5 0 | 3 50 | 23 47 | 1 10 | 21 17 | 1 37 | 6 46 | 0 37 | 8 2 | 1 12 | 21 2 | 0 47 | 2 18 | 0 44 | 0 17 | 1 38 | 27 4 | 9 21 | 16 3 | 15 39 | 18 15 | 14 6 | 6 43 |
| T 5 | 23 4 | 0s36 | 3 1 | 24 3 | 1 15 | 21 0 | 1 31 | 6 30 | 0 36 | 8 5 | 1 12 | 21 1 | 0 47 | 2 18 | 0 45 | 0 18 | 1 38 | 27 5 | 9 21 | 16 3 | 15 38 | 18 12 | 14 6 | 6 43 |
| F 6 | 23 10 | 6 19 | 2 2 | 24 18 | 1 20 | 20 42 | 1 24 | 6 14 | 0 34 | 8 9 | 1 12 | 21 0 | 0 47 | 2 17 | 0 45 | 0 18 | 1 38 | 27 5 | 9 21 | 16 3 | 15 37 | 18 10 | 14 6 | 6 44 |
| S 7 | 23 14 | 11 55 | 0 55 | 24 31 | 1 25 | 20 25 | 1 17 | 5 58 | 0 32 | 8 12 | 1 12 | 20 58 | 0 47 | 2 17 | 0 45 | 0 18 | 1 38 | 27 6 | 9 22 | 16 4 | 15 36 | 18 7 | 14 6 | 6 44 |
| S 8 | 23 18 | 17 11 | 0s16 | 24 44 | 1 30 | 20 7 | 1 10 | 5 41 | 0 31 | 8 16 | 1 13 | 20 57 | 0 47 | 2 16 | 0 45 | 0 19 | 1 38 | 27 6 | 9 22 | 16 4 | 15 35 | 18 5 | 14 6 | 6 45 |
| M 9 | 23 22 | 21 45 | 1 28 | 24 55 | 1 35 | 19 49 | 1 2 | 5 25 | 0 29 | 8 19 | 1 13 | 20 56 | 0 47 | 2 16 | 0 45 | 0 19 | 1 39 | 27 7 | 9 22 | 16 4 | 15 34 | 18 2 | 14 6 | 6 45 |
| T 10 | 23 25 | 25 14 | 2 37 | 25 4 | 1 39 | 19 31 | 0 54 | 5 9 | 0 28 | 8 23 | 1 13 | 20 54 | 0 47 | 2 16 | 0 45 | 0 19 | 1 39 | 27 7 | 9 23 | 16 3 | 15 33 | 18 0 | 14 7 | 6 46 |
| W11 | 23 28 | 27 12 | 3 38 | 25 12 | 1 43 | 19 13 | 0 46 | 4 52 | 0 26 | 8 26 | 1 13 | 20 53 | 0 47 | 2 15 | 0 45 | 0 19 | 1 39 | 27 8 | 9 23 | 16 1 | 15 32 | 17 57 | 14 7 | 6 46 |
| T 12 | 23 30 | 27 21 | 4 26 | 25 19 | 1 47 | 18 54 | 0 38 | 4 36 | 0 25 | 8 29 | 1 13 | 20 52 | 0 47 | 2 15 | 0 45 | 0 19 | 1 39 | 27 9 | 9 23 | 15 59 | 15 31 | 17 55 | 14 7 | 6 47 |
| F 13 | 23 32 | 25 35 | 4 57 | 25 24 | 1 50 | 18 36 | 0 29 | 4 19 | 0 23 | 8 32 | 1 13 | 20 50 | 0 47 | 2 15 | 0 45 | 0 20 | 1 39 | 27 9 | 9 23 | 15 57 | 15 30 | 17 52 | 14 7 | 6 47 |
| S 14 | 23 33 | 22 6 | 5 8 | 25 28 | 1 53 | 18 17 | 0 20 | 4 3 | 0 22 | 8 36 | 1 13 | 20 49 | 0 47 | 2 15 | 0 45 | 0 20 | 1 39 | 27 10 | 9 24 | 15 55 | 15 29 | 17 50 | 14 7 | 6 48 |
| S 15 | 23 34 | 17 15 | 4 59 | 25 30 | 1 56 | 17 59 | 0 11 | 3 46 | 0 21 | 8 39 | 1 14 | 20 47 | 0 47 | 2 14 | 0 45 | 0 20 | 1 39 | 27 10 | 9 24 | 15 53 | 15 28 | 17 47 | 14 8 | 6 48 |
| M16 | 23 35 | 11 30 | 4 32 | 25 30 | 1 59 | 17 40 | 0 1 | 3 30 | 0 19 | 8 42 | 1 14 | 20 46 | 0 47 | 2 14 | 0 45 | 0 20 | 1 39 | 27 11 | 9 24 | 15 52 | 15 27 | 17 45 | 14 8 | 6 48 |
| T 17 | 23 34 | 5 15 | 3 48 | 25 29 | 2 1 | 17 22 | 0n 9 | 3 13 | 0 18 | 8 45 | 1 14 | 20 45 | 0 47 | 2 14 | 0 45 | 0 20 | 1 39 | 27 11 | 9 24 | 15 52 | 15 26 | 17 42 | 14 8 | 6 49 |
| W18 | 23 34 | 1n10 | 2 51 | 25 27 | 2 3 | 17 4 | 0 19 | 2 57 | 0 16 | 8 48 | 1 14 | 20 43 | 0 47 | 2 14 | 0 45 | 0 21 | 1 39 | 27 12 | 9 25 | 15 52 | 15 25 | 17 40 | 14 9 | 6 49 |
| T 19 | 23 33 | 7 24 | 1 46 | 25 22 | 2 4 | 16 45 | 0 29 | 2 40 | 0 15 | 8 51 | 1 14 | 20 42 | 0 47 | 2 14 | 0 45 | 0 21 | 1 39 | 27 12 | 9 25 | 15 52 | 15 24 | 17 37 | 14 9 | 6 50 |
| F 20 | 23 31 | 13 12 | 0 36 | 25 16 | 2 5 | 16 27 | 0 40 | 2 24 | 0 14 | 8 54 | 1 14 | 20 40 | 0 47 | 2 13 | 0 45 | 0 21 | 1 39 | 27 13 | 9 25 | 15 52 | 15 23 | 17 35 | 14 9 | 6 50 |
| S 21 | 23 29 | 18 18 | 0n35 | 25 9 | 2 6 | 16 9 | 0 52 | 2 7 | 0 13 | 8 56 | 1 15 | 20 39 | 0 47 | 2 13 | 0 45 | 0 21 | 1 39 | 27 13 | 9 25 | 15 52 | 15 22 | 17 32 | 14 10 | 6 50 |
| S 22 | 23 27 | 22 28 | 1 42 | 24 59 | 2 6 | 15 51 | 1 3 | 1 50 | 0 11 | 8 59 | 1 15 | 20 37 | 0 47 | 2 13 | 0 45 | 0 21 | 1 39 | 27 14 | 9 26 | 15 52 | 15 21 | 17 30 | 14 10 | 6 51 |
| M23 | 23 24 | 25 29 | 2 44 | 24 48 | 2 6 | 15 34 | 1 15 | 1 34 | 0 10 | 9 2 | 1 15 | 20 36 | 0 47 | 2 13 | 0 45 | 0 21 | 1 39 | 27 14 | 9 26 | 15 50 | 15 20 | 17 27 | 14 10 | 6 51 |
| T 24 | 23 20 | 27 10 | 3 36 | 24 36 | 2 5 | 15 16 | 1 27 | 1 17 | 0 9 | 9 5 | 1 15 | 20 34 | 0 47 | 2 13 | 0 45 | 0 21 | 1 39 | 27 15 | 9 26 | 15 48 | 15 19 | 17 25 | 14 11 | 6 51 |
| W25 | 23 16 | 27 26 | 4 17 | 24 21 | 2 4 | 14 59 | 1 39 | 1 0 | 0 7 | 9 7 | 1 15 | 20 33 | 0 47 | 2 13 | 0 45 | 0 21 | 1 40 | 27 16 | 9 26 | 15 45 | 15 18 | 17 22 | 14 11 | 6 51 |
| T 26 | 23 12 | 26 21 | 4 46 | 24 5 | 2 2 | 14 42 | 1 52 | 0 44 | 0 6 | 9 10 | 1 15 | 20 31 | 0 47 | 2 13 | 0 45 | 0 21 | 1 40 | 27 16 | 9 27 | 15 42 | 15 17 | 17 20 | 14 12 | 6 52 |
| F 27 | 23 7 | 24 2 | 5 1 | 23 46 | 2 0 | 14 26 | 2 5 | 0 27 | 0 5 | 9 12 | 1 16 | 20 30 | 0 47 | 2 13 | 0 45 | 0 21 | 1 40 | 27 17 | 9 27 | 15 38 | 15 16 | 17 17 | 14 12 | 6 52 |
| S 28 | 23 2 | 20 41 | 5 2 | 23 27 | 1 57 | 14 10 | 2 18 | 0 11 | 0 4 | 9 15 | 1 16 | 20 28 | 0 47 | 2 13 | 0 45 | 0 21 | 1 40 | 27 17 | 9 27 | 15 35 | 15 15 | 17 14 | 14 13 | 6 52 |
| S 29 | 22 56 | 16 32 | 4 51 | 23 5 | 1 53 | 13 54 | 2 32 | 0n 6 | 0 3 | 9 17 | 1 16 | 20 27 | 0 47 | 2 13 | 0 45 | 0 21 | 1 40 | 27 18 | 9 27 | 15 32 | 15 14 | 17 12 | 14 13 | 6 52 |
| M30 | 22 50 | 11 46 | 4 27 | 22 42 | 1 49 | 13 39 | 2 46 | 0 23 | 0 1 | 9 19 | 1 16 | 20 25 | 0 47 | 2 14 | 0 45 | 0 21 | 1 40 | 27 18 | 9 27 | 15 29 | 15 13 | 17 9 | 14 14 | 6 53 |
| T 31 | 22s44 | 6n35 | 3n51 | 22s17 | 1s44 | 13s24 | 2n59 | 0n39 | 0s 0 | 9s22 | 1n16 | 20s24 | 0s48 | 2n14 | 0n46 | 0s21 | 1n40 | 27n19 | 9n28 | 15n28 | 15n12 | 17n 7 | 14n15 | 6s53 |

Julian Day Number = 2072397.5, Delta T = 27m43s
Ecliptic obliquity = 23°34'32, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'23, Lahiri = 9°23'23 Julian Calendar 1 Dec. 961 == Greg. Calendar 6 Dec. 961


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## JANUARY 962 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 1 20 | 16♉ 1'31 | 4♎18 | 0♒ 7 | 15°R36 | 2♈18 | 27♎21 | 3♒ 1 | 26°R10 | 4°R42 | 8°R36 | 11°R46 | 10♉54 | 27♌24 | 26°R16 | W 1 |
| T 2 | 7 5 16 | 17° 2'35 | 16°24 | 1°45 | 15♒36 | 2°57 | 27°28 | 3° 8 | 26♍ 9 | 4♎42 | 8♌34 | 11°D45 | 10°51 | 27°31 | 26♋12 | T 2 |
| F 3 | 7 9 13 | 18° 3'38 | 28°44 | 3°22 | 15°33 | 3°36 | 27°34 | 3°15 | 26° 9 | 4°42 | 8°33 | 11♉45 | 10°48 | 27°38 | 26° 7 | F 3 |
| S 4 | 7 13 9 | 19° 4'41 | 11♏23 | 4°57 | 15°28 | 4°15 | 27°40 | 3°22 | 26° 8 | 4°42 | 8°32 | 11°R46 | 10°45 | 27°44 | 26° 3 | S 4 |
| S 5 | 7 17 6 | 20° 5'43 | 24°28 | 6°29 | 15°21 | 4°54 | 27°46 | 3°29 | 26° 8 | 4°42 | 8°30 | 11°45 | 10°42 | 27°51 | 25°58 | S 5 |
| M 6 | 7 21 3 | 21° 6'44 | 8♐ 1 | 7°59 | 15°11 | 5°33 | 27°52 | 3°36 | 26° 7 | 4°41 | 8°29 | 11°42 | 10°39 | 27°58 | 25°54 | M 6 |
| T 7 | 7 24 59 | 22° 7'45 | 22° 2 | 9°26 | 14°58 | 6°12 | 27°58 | 3°43 | 26° 7 | 4°41 | 8°28 | 11°37 | 10°35 | 28° 5 | 25°50 | T 7 |
| W 8 | 7 28 56 | 23° 8'45 | 6♑32 | 10°50 | 14°43 | 6°51 | 28° 4 | 3°50 | 26° 6 | 4°41 | 8°26 | 11°29 | 10°32 | 28°11 | 25°45 | W 8 |
| T 9 | 7 32 52 | 24° 9'44 | 21°23 | 12° 9 | 14°25 | 7°30 | 28° 9 | 3°58 | 26° 5 | 4°41 | 8°25 | 11°18 | 10°29 | 28°18 | 25°41 | T 9 |
| F 10 | 7 36 49 | 25°10'42 | 6♒28 | 13°23 | 14° 5 | 8° 9 | 28°15 | 4° 5 | 26° 4 | 4°40 | 8°23 | 11° 7 | 10°26 | 28°25 | 25°36 | F 10 |
| S 11 | 7 40 45 | 26°11'39 | 21°36 | 14°31 | 13°43 | 8°49 | 28°20 | 4°12 | 26° 4 | 4°40 | 8°22 | 10°56 | 10°23 | 28°32 | 25°32 | S 11 |
| S 12 | 7 44 42 | 27°12'34 | 6♓38 | 15°32 | 13°19 | 9°28 | 28°25 | 4°19 | 26° 3 | 4°40 | 8°21 | 10°47 | 10°20 | 28°38 | 25°27 | S 12 |
| M13 | 7 48 39 | 28°13'28 | 21°24 | 16°26 | 12°52 | 10° 7 | 28°30 | 4°26 | 26° 2 | 4°39 | 8°19 | 10°40 | 10°16 | 28°45 | 25°23 | M13 |
| T 14 | 7 52 35 | 29°14'21 | 5♈48 | 17°12 | 12°24 | 10°46 | 28°34 | 4°34 | 26° 1 | 4°39 | 8°18 | 10°35 | 10°13 | 28°52 | 25°19 | T 14 |
| W15 | 7 56 32 | 0♒15'12 | 19°49 | 17°49 | 11°53 | 11°25 | 28°39 | 4°41 | 26° 0 | 4°38 | 8°16 | 10°34 | 10°10 | 28°58 | 25°14 | W15 |
| T 16 | 8 0 28 | 1°16'01 | 3♉26 | 18°17 | 11°21 | 12° 4 | 28°43 | 4°48 | 25°59 | 4°38 | 8°15 | 10°33 | 10° 7 | 29° 5 | 25°10 | T 16 |
| F 17 | 8 4 25 | 2°16'49 | 16°42 | 18°34 | 10°47 | 12°44 | 28°47 | 4°55 | 25°58 | 4°37 | 8°13 | 10°33 | 10° 4 | 29°12 | 25° 5 | F 17 |
| S 18 | 8 8 21 | 3°17'35 | 29°39 | 18°R40 | 10°13 | 13°23 | 28°51 | 5° 2 | 25°56 | 4°37 | 8°12 | 10°32 | 10° 0 | 29°19 | 25° 1 | S 18 |
| S 19 | 8 12 18 | 4°18'20 | 12♊20 | 18°36 | 9°37 | 14° 2 | 28°55 | 5°10 | 25°55 | 4°36 | 8°10 | 10°29 | 9°57 | 29°25 | 24°56 | S 19 |
| M20 | 8 16 14 | 5°19'03 | 24°50 | 18°21 | 9° 0 | 14°41 | 28°59 | 5°17 | 25°54 | 4°36 | 8° 9 | 10°23 | 9°54 | 29°32 | 24°52 | M20 |
| T 21 | 8 20 11 | 6°19'45 | 7♋10 | 17°55 | 8°23 | 15°20 | 29° 2 | 5°24 | 25°52 | 4°35 | 8° 8 | 10°13 | 9°51 | 29°39 | 24°48 | T 21 |
| W22 | 8 24 8 | 7°20'25 | 19°22 | 17°19 | 7°45 | 16° 0 | 29° 5 | 5°31 | 25°51 | 4°34 | 8° 6 | 10° 1 | 9°48 | 29°45 | 24°43 | W22 |
| T 23 | 8 28 4 | 8°21'04 | 1♌27 | 16°35 | 7° 8 | 16°39 | 29° 8 | 5°39 | 25°50 | 4°33 | 8° 5 | 9°47 | 9°45 | 29°52 | 24°39 | T 23 |
| F 24 | 8 32 1 | 9°21'40 | 13°26 | 15°42 | 6°31 | 17°18 | 29°11 | 5°46 | 25°48 | 4°33 | 8° 3 | 9°32 | 9°41 | 29°59 | 24°35 | F 24 |
| S 25 | 8 35 57 | 10°22'16 | 25°22 | 14°43 | 5°54 | 17°57 | 29°14 | 5°53 | 25°47 | 4°32 | 8° 2 | 9°18 | 9°38 | 0♍ 6 | 24°31 | S 25 |
| S 26 | 8 39 54 | 11°22'50 | 7♍14 | 13°39 | 5°18 | 18°37 | 29°17 | 6° 0 | 25°45 | 4°31 | 8° 0 | 9° 4 | 9°35 | 0°12 | 24°26 | S 26 |
| M27 | 8 43 50 | 12°23'22 | 19° 4 | 12°32 | 4°43 | 19°16 | 29°19 | 6° 7 | 25°43 | 4°30 | 7°59 | 8°54 | 9°32 | 0°19 | 24°22 | M27 |
| T 28 | 8 47 47 | 13°23'53 | 0♎56 | 11°23 | 4° 9 | 19°55 | 29°21 | 6°15 | 25°42 | 4°29 | 7°57 | 8°46 | 9°29 | 0°26 | 24°18 | T 28 |
| W29 | 8 51 43 | 14°24'22 | 12°51 | 10°16 | 3°37 | 20°34 | 29°23 | 6°22 | 25°40 | 4°29 | 7°56 | 8°41 | 9°26 | 0°32 | 24°14 | W29 |
| T 30 | 8 55 40 | 15°24'51 | 24°56 | 9°10 | 3° 6 | 21°13 | 29°25 | 6°29 | 25°38 | 4°28 | 7°54 | 8°39 | 9°22 | 0°39 | 24°10 | T 30 |
| F 31 | 8 59 37 | 16♒25'17 | 7♏13 | 8♒ 8 | 2♒37 | 21♈53 | 29♎27 | 6♒36 | 25♍37 | 4♎27 | 7♌53 | 8°D38 | 9♉19 | 0♍46 | 24♋ 6 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s36 | 1n 7 | 3n 5 | 21s51 | 1s39 | 13s10 | 3n14 | 0n56 | 0n 1 | 9s24 | 1n17 | 20s22 | 0s48 | 2n14 | 0n46 | 0s21 | 1n40 | 27n19 | 9n28 | 15n27 | 15n11 | 17n 4 | 14n15 | 6s53 |
| T 2 | 22 29 | 4s28 | 2 11 | 21 23 | 1 32 | 12 56 | 3 28 | 1 13 | 0 2 | 9 26 | 1 17 | 20 20 | 0 48 | 2 14 | 0 46 | 0 21 | 1 40 | 27 20 | 9 28 | 15 27 | 15 10 | 17 1 | 14 16 | 6 53 |
| F 3 | 22 21 | 10 1 | 1 9 | 20 54 | 1 25 | 12 43 | 3 43 | 1 29 | 0 3 | 9 28 | 1 17 | 20 19 | 0 48 | 2 14 | 0 46 | 0 21 | 1 40 | 27 20 | 9 28 | 15 27 | 15 9 | 16 59 | 14 16 | 6 53 |
| S 4 | 22 13 | 15 18 | 0 2 | 20 23 | 1 17 | 12 31 | 3 57 | 1 46 | 0 4 | 9 30 | 1 17 | 20 17 | 0 48 | 2 14 | 0 46 | 0 21 | 1 40 | 27 21 | 9 28 | 15 27 | 15 8 | 16 56 | 14 17 | 6 54 |
| S 5 | 22 4 | 20 5 | 1s 7 | 19 52 | 1 8 | 12 19 | 4 12 | 2 2 | 0 5 | 9 32 | 1 17 | 20 16 | 0 48 | 2 15 | 0 46 | 0 21 | 1 40 | 27 22 | 9 28 | 15 27 | 15 7 | 16 54 | 14 18 | 6 54 |
| M 6 | 21 54 | 23 59 | 2 15 | 19 19 | 0 59 | 12 8 | 4 27 | 2 19 | 0 6 | 9 34 | 1 17 | 20 14 | 0 48 | 2 15 | 0 46 | 0 20 | 1 40 | 27 22 | 9 29 | 15 26 | 15 6 | 16 51 | 14 18 | 6 54 |
| T 7 | 21 45 | 26 36 | 3 16 | 18 46 | 0 48 | 11 57 | 4 41 | 2 35 | 0 7 | 9 36 | 1 18 | 20 12 | 0 48 | 2 15 | 0 46 | 0 20 | 1 40 | 27 23 | 9 29 | 15 24 | 15 5 | 16 48 | 14 19 | 6 54 |
| W 8 | 21 35 | 27 32 | 4 7 | 18 12 | 0 37 | 11 47 | 4 56 | 2 52 | 0 8 | 9 38 | 1 18 | 20 11 | 0 48 | 2 16 | 0 46 | 0 20 | 1 40 | 27 23 | 9 29 | 15 22 | 15 4 | 16 46 | 14 20 | 6 54 |
| T 9 | 21 24 | 26 31 | 4 43 | 17 39 | 0 25 | 11 38 | 5 11 | 3 8 | 0 9 | 9 40 | 1 18 | 20 9 | 0 48 | 2 16 | 0 46 | 0 20 | 1 40 | 27 24 | 9 29 | 15 18 | 15 3 | 16 43 | 14 20 | 6 54 |
| F 10 | 21 13 | 23 36 | 5 0 | 17 5 | 0 11 | 11 30 | 5 25 | 3 25 | 0 10 | 9 42 | 1 18 | 20 7 | 0 48 | 2 16 | 0 46 | 0 20 | 1 41 | 27 24 | 9 29 | 15 15 | 15 2 | 16 40 | 14 21 | 6 54 |
| S 11 | 21 2 | 19 2 | 4 56 | 16 32 | 0n 3 | 11 23 | 5 39 | 3 41 | 0 11 | 9 43 | 1 18 | 20 6 | 0 48 | 2 17 | 0 46 | 0 20 | 1 41 | 27 25 | 9 29 | 15 11 | 15 1 | 16 38 | 14 22 | 6 54 |
| S 12 | 20 50 | 13 19 | 4 31 | 15 59 | 0 17 | 11 16 | 5 53 | 3 58 | 0 12 | 9 45 | 1 19 | 20 4 | 0 48 | 2 17 | 0 46 | 0 19 | 1 41 | 27 25 | 9 29 | 15 9 | 15 0 | 16 35 | 14 23 | 6 54 |
| M13 | 20 38 | 6 56 | 3 49 | 15 28 | 0 33 | 11 10 | 6 7 | 4 14 | 0 13 | 9 46 | 1 19 | 20 2 | 0 48 | 2 17 | 0 46 | 0 19 | 1 41 | 27 26 | 9 30 | 15 6 | 14 59 | 16 33 | 14 23 | 6 54 |
| T 14 | 20 26 | 0 19 | 2 53 | 14 59 | 0 49 | 11 6 | 6 20 | 4 30 | 0 14 | 9 48 | 1 19 | 20 1 | 0 48 | 2 18 | 0 46 | 0 19 | 1 41 | 27 26 | 9 30 | 15 5 | 14 58 | 16 30 | 14 24 | 6 54 |
| W15 | 20 13 | 6n 8 | 1 47 | 14 32 | 1 6 | 11 2 | 6 33 | 4 47 | 0 15 | 9 49 | 1 19 | 19 59 | 0 48 | 2 18 | 0 46 | 0 19 | 1 41 | 27 27 | 9 30 | 15 4 | 14 57 | 16 27 | 14 25 | 6 54 |
| T 16 | 19 59 | 12 9 | 0 38 | 14 7 | 1 23 | 10 58 | 6 45 | 5 3 | 0 16 | 9 51 | 1 19 | 19 57 | 0 48 | 2 19 | 0 46 | 0 19 | 1 41 | 27 27 | 9 30 | 15 4 | 14 56 | 16 25 | 14 26 | 6 54 |
| F 17 | 19 46 | 17 26 | 0n32 | 13 46 | 1 40 | 10 56 | 6 57 | 5 19 | 0 17 | 9 52 | 1 20 | 19 56 | 0 48 | 2 19 | 0 46 | 0 18 | 1 41 | 27 28 | 9 30 | 15 4 | 14 55 | 16 22 | 14 27 | 6 54 |
| S 18 | 19 32 | 21 48 | 1 39 | 13 27 | 1 57 | 10 55 | 7 8 | 5 35 | 0 18 | 9 53 | 1 20 | 19 54 | 0 49 | 2 20 | 0 46 | 0 18 | 1 41 | 27 28 | 9 30 | 15 4 | 14 54 | 16 19 | 14 27 | 6 54 |
| S 19 | 19 18 | 25 2 | 2 39 | 13 13 | 2 14 | 10 54 | 7 18 | 5 51 | 0 19 | 9 54 | 1 20 | 19 52 | 0 49 | 2 20 | 0 46 | 0 18 | 1 41 | 27 29 | 9 30 | 15 3 | 14 53 | 16 17 | 14 28 | 6 54 |
| M20 | 19 3 | 26 59 | 3 31 | 13 2 | 2 30 | 10 54 | 7 28 | 6 7 | 0 20 | 9 55 | 1 20 | 19 51 | 0 49 | 2 21 | 0 46 | 0 17 | 1 41 | 27 29 | 9 30 | 15 1 | 14 52 | 16 14 | 14 29 | 6 54 |
| T 21 | 18 48 | 27 34 | 4 12 | 12 55 | 2 46 | 10 55 | 7 36 | 6 24 | 0 21 | 9 56 | 1 21 | 19 49 | 0 49 | 2 21 | 0 46 | 0 17 | 1 41 | 27 30 | 9 30 | 14 58 | 14 51 | 16 11 | 14 30 | 6 54 |
| W22 | 18 32 | 26 47 | 4 40 | 12 52 | 3 0 | 10 57 | 7 44 | 6 40 | 0 22 | 9 57 | 1 21 | 19 47 | 0 49 | 2 22 | 0 46 | 0 17 | 1 41 | 27 30 | 9 31 | 14 54 | 14 50 | 16 9 | 14 31 | 6 54 |
| T 23 | 18 17 | 24 45 | 4 56 | 12 54 | 3 13 | 11 0 | 7 51 | 6 55 | 0 22 | 9 58 | 1 21 | 19 45 | 0 49 | 2 23 | 0 46 | 0 16 | 1 41 | 27 31 | 9 31 | 14 50 | 14 49 | 16 6 | 14 32 | 6 54 |
| F 24 | 18 1 | 21 38 | 4 58 | 12 59 | 3 24 | 11 3 | 7 57 | 7 11 | 0 23 | 9 59 | 1 21 | 19 44 | 0 49 | 2 23 | 0 46 | 0 16 | 1 41 | 27 31 | 9 31 | 14 45 | 14 48 | 16 3 | 14 33 | 6 53 |
| S 25 | 17 44 | 17 39 | 4 48 | 13 7 | 3 33 | 11 7 | 8 2 | 7 27 | 0 24 | 10 0 | 1 21 | 19 42 | 0 49 | 2 24 | 0 46 | 0 16 | 1 41 | 27 32 | 9 31 | 14 40 | 14 47 | 16 0 | 14 33 | 6 53 |
| S 26 | 17 28 | 12 59 | 4 24 | 13 19 | 3 39 | 11 11 | 8 6 | 7 43 | 0 25 | 10 1 | 1 22 | 19 40 | 0 49 | 2 24 | 0 46 | 0 15 | 1 41 | 27 32 | 9 31 | 14 36 | 14 46 | 15 58 | 14 34 | 6 53 |
| M27 | 17 11 | 7 52 | 3 50 | 13 34 | 3 44 | 11 16 | 8 9 | 7 59 | 0 26 | 10 1 | 1 22 | 19 39 | 0 49 | 2 25 | 0 46 | 0 15 | 1 41 | 27 33 | 9 31 | 14 33 | 14 45 | 15 55 | 14 35 | 6 53 |
| T 28 | 16 54 | 2 27 | 3 5 | 13 50 | 3 46 | 11 22 | 8 12 | 8 14 | 0 26 | 10 2 | 1 22 | 19 37 | 0 49 | 2 26 | 0 46 | 0 15 | 1 42 | 27 33 | 9 31 | 14 30 | 14 44 | 15 52 | 14 36 | 6 53 |
| W29 | 16 36 | 3s 5 | 2 12 | 14 9 | 3 46 | 11 28 | 8 13 | 8 30 | 0 27 | 10 2 | 1 22 | 19 35 | 0 49 | 2 27 | 0 47 | 0 14 | 1 42 | 27 34 | 9 31 | 14 29 | 14 43 | 15 50 | 14 37 | 6 53 |
| T 30 | 16 18 | 8 35 | 1 12 | 14 28 | 3 44 | 11 34 | 8 13 | 8 45 | 0 28 | 10 3 | 1 22 | 19 33 | 0 49 | 2 27 | 0 47 | 0 14 | 1 42 | 27 34 | 9 31 | 14 28 | 14 42 | 15 47 | 14 38 | 6 52 |
| F 31 | 16s 0 | 13s53 | 0n 8 | 14s48 | 3n39 | 11s41 | 8n13 | 9n 1 | 0n29 | 10s 3 | 1n23 | 19s32 | 0s50 | 2n28 | 0n47 | 0s13 | 1n42 | 27n34 | 9n31 | 14n28 | 14n41 | 15n44 | 14n39 | 6s52 |

Julian Day Number = 2072428.5, Delta T = 27m43s
Ecliptic obliquity = 23°34'32, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'27, Lahiri = 9°23'27 Julian Calendar 1 Jan. 962 == Greg. Calendar 6 Jan. 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## FEBRUARY 962 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 3 33 | 17♒25'43 | 19♏48 | 7°R11 | 2°R11 | 22♈32 | 29♎28 | 6♒43 | 25°R35 | 4°R26 | 7°R51 | 8°R38 | 9♉16 | 0♍53 | 24°R 2 | S 1 |
| S 2 | 9 7 30 | 18°26'07 | 2♐46 | 6♒20 | 1♒46 | 23°11 | 29°29 | 6°51 | 25♍33 | 4♎25 | 7♌50 | 8♉38 | 9°13 | 0°59 | 23♋58 | S 2 |
| M 3 | 9 11 26 | 19°26'29 | 16°11 | 5°35 | 1°23 | 23°50 | 29°31 | 6°58 | 25°31 | 4°24 | 7°49 | 8°35 | 9°10 | 1° 6 | 23°54 | M 3 |
| T 4 | 9 15 23 | 20°26'51 | 0♑ 6 | 4°57 | 1° 3 | 24°29 | 29°31 | 7° 5 | 25°29 | 4°23 | 7°47 | 8°30 | 9° 6 | 1°13 | 23°51 | T 4 |
| W 5 | 9 19 19 | 21°27'10 | 14°31 | 4°26 | 0°45 | 25° 9 | 29°32 | 7°12 | 25°27 | 4°22 | 7°46 | 8°23 | 9° 3 | 1°19 | 23°47 | W 5 |
| T 6 | 9 23 16 | 22°27'28 | 29°23 | 4° 3 | 0°29 | 25°48 | 29°33 | 7°19 | 25°25 | 4°20 | 7°44 | 8°13 | 9° 0 | 1°26 | 23°43 | T 6 |
| F 7 | 9 27 12 | 23°27'45 | 14♒34 | 3°46 | 0°16 | 26°27 | 29°33 | 7°26 | 25°23 | 4°19 | 7°43 | 8° 2 | 8°57 | 1°33 | 23°40 | F 7 |
| S 8 | 9 31 9 | 24°27'59 | 29°54 | 3°37 | 0° 6 | 27° 6 | 29°R33 | 7°33 | 25°21 | 4°18 | 7°42 | 7°51 | 8°54 | 1°40 | 23°36 | S 8 |
| S 9 | 9 35 6 | 25°28'12 | 15♓11 | 3°D35 | 29♑58 | 27°45 | 29°33 | 7°40 | 25°19 | 4°17 | 7°40 | 7°42 | 8°51 | 1°46 | 23°33 | S 9 |
| M10 | 9 39 2 | 26°28'22 | 0♈14 | 3°39 | 29°52 | 28°25 | 29°33 | 7°47 | 25°17 | 4°16 | 7°39 | 7°35 | 8°47 | 1°53 | 23°29 | M10 |
| T 11 | 9 42 59 | 27°28'31 | 14°56 | 3°49 | 29°49 | 29° 4 | 29°32 | 7°54 | 25°15 | 4°15 | 7°37 | 7°30 | 8°44 | 2° 0 | 23°26 | T 11 |
| W12 | 9 46 55 | 28°28'37 | 29°11 | 4° 5 | 29°D48 | 29°43 | 29°32 | 8° 1 | 25°12 | 4°13 | 7°36 | 7°28 | 8°41 | 2° 6 | 23°23 | W12 |
| T 13 | 9 50 52 | 29°28'41 | 12♉58 | 4°27 | 29°50 | 0♉22 | 29°31 | 8° 8 | 25°10 | 4°12 | 7°35 | 7°D28 | 8°38 | 2°13 | 23°19 | T 13 |
| F 14 | 9 54 48 | 0♓28'43 | 26°18 | 4°53 | 29°54 | 1° 1 | 29°30 | 8°15 | 25° 8 | 4°11 | 7°33 | 7°R29 | 8°35 | 2°20 | 23°16 | F 14 |
| S 15 | 9 58 45 | 1°28'43 | 9♊15 | 5°24 | 0♒ 0 | 1°40 | 29°29 | 8°22 | 25° 6 | 4° 9 | 7°32 | 7°28 | 8°32 | 2°27 | 23°13 | S 15 |
| S 16 | 10 2 41 | 2°28'41 | 21°53 | 6° 0 | 0° 9 | 2°20 | 29°27 | 8°29 | 25° 3 | 4° 8 | 7°31 | 7°26 | 8°28 | 2°33 | 23°10 | S 16 |
| M17 | 10 6 38 | 3°28'36 | 4♋15 | 6°40 | 0°19 | 2°59 | 29°26 | 8°35 | 25° 1 | 4° 7 | 7°29 | 7°22 | 8°25 | 2°40 | 23° 7 | M17 |
| T 18 | 10 10 35 | 4°28'29 | 16°26 | 7°24 | 0°32 | 3°38 | 29°24 | 8°42 | 24°59 | 4° 5 | 7°28 | 7°15 | 8°22 | 2°47 | 23° 5 | T 18 |
| W19 | 10 14 31 | 5°28'20 | 28°29 | 8°11 | 0°47 | 4°17 | 29°22 | 8°49 | 24°56 | 4° 4 | 7°27 | 7° 6 | 8°19 | 2°53 | 23° 2 | W19 |
| T 20 | 10 18 28 | 6°28'09 | 10♌26 | 9° 2 | 1° 4 | 4°56 | 29°20 | 8°56 | 24°54 | 4° 3 | 7°26 | 6°55 | 8°16 | 3° 0 | 22°59 | T 20 |
| F 21 | 10 22 24 | 7°27'56 | 22°19 | 9°56 | 1°23 | 5°35 | 29°18 | 9° 2 | 24°52 | 4° 1 | 7°24 | 6°43 | 8°12 | 3° 7 | 22°57 | F 21 |
| S 22 | 10 26 21 | 8°27'40 | 4♍11 | 10°53 | 1°44 | 6°14 | 29°15 | 9° 9 | 24°49 | 4° 0 | 7°23 | 6°31 | 8° 9 | 3°13 | 22°54 | S 22 |
| S 23 | 10 30 17 | 9°27'23 | 16° 3 | 11°53 | 2° 6 | 6°53 | 29°13 | 9°16 | 24°47 | 3°58 | 7°22 | 6°21 | 8° 6 | 3°20 | 22°52 | S 23 |
| M24 | 10 34 14 | 10°27'03 | 27°56 | 12°55 | 2°31 | 7°32 | 29°10 | 9°22 | 24°44 | 3°57 | 7°21 | 6°13 | 8° 3 | 3°27 | 22°49 | M24 |
| T 25 | 10 38 10 | 11°26'41 | 9♎52 | 14° 0 | 2°57 | 8°11 | 29° 7 | 9°29 | 24°42 | 3°55 | 7°20 | 6° 7 | 8° 0 | 3°34 | 22°47 | T 25 |
| W26 | 10 42 7 | 12°26'18 | 21°54 | 15° 7 | 3°24 | 8°50 | 29° 4 | 9°35 | 24°39 | 3°54 | 7°18 | 6° 3 | 7°57 | 3°40 | 22°45 | W26 |
| T 27 | 10 46 4 | 13°25'53 | 4♏ 3 | 16°16 | 3°54 | 9°29 | 29° 0 | 9°42 | 24°37 | 3°52 | 7°17 | 6°D 2 | 7°53 | 3°47 | 22°43 | T 27 |
| F 28 | 10 50 0 | 14♓25'25 | 16♏24 | 17♒28 | 4♒25 | 10♉ 8 | 28♎57 | 9♒48 | 24♍34 | 3♎51 | 7♌16 | 6♉ 3 | 7♉50 | 3♍54 | 22♋41 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s42 | 18s44 | 0s59 | 15s 9 | 3n33 | 11s48 | 8n12 | 9n16 | 0n30 | 10s 3 | 1n23 | 19s30 | 0s50 | 2n29 | 0n47 | 0s13 | 1n42 | 27n35 | 9n31 | 14n28 | 14n40 | 15n41 | 14n40 | 6s52 |
| S 2 | 15 23 | 22 51 | 2 4 | 15 29 | 3 25 | 11 55 | 8 10 | 9 32 | 0 30 | 10 4 | 1 23 | 19 28 | 0 50 | 2 29 | 0 47 | 0 12 | 1 42 | 27 35 | 9 31 | 14 27 | 14 39 | 15 39 | 14 41 | 6 52 |
| M 3 | 15 4 | 25 55 | 3 5 | 15 49 | 3 16 | 12 3 | 8 7 | 9 47 | 0 31 | 10 4 | 1 23 | 19 26 | 0 50 | 2 30 | 0 47 | 0 12 | 1 42 | 27 36 | 9 31 | 14 27 | 14 38 | 15 36 | 14 42 | 6 51 |
| T 4 | 14 45 | 27 31 | 3 57 | 16 8 | 3 5 | 12 10 | 8 3 | 10 2 | 0 32 | 10 4 | 1 23 | 19 25 | 0 50 | 2 31 | 0 47 | 0 12 | 1 42 | 27 36 | 9 31 | 14 25 | 14 37 | 15 33 | 14 42 | 6 51 |
| W 5 | 14 26 | 27 21 | 4 36 | 16 27 | 2 54 | 12 18 | 7 59 | 10 17 | 0 32 | 10 4 | 1 24 | 19 23 | 0 50 | 2 32 | 0 47 | 0 11 | 1 42 | 27 36 | 9 31 | 14 23 | 14 36 | 15 30 | 14 43 | 6 51 |
| T 6 | 14 6 | 25 14 | 4 57 | 16 44 | 2 42 | 12 26 | 7 54 | 10 32 | 0 33 | 10 4 | 1 24 | 19 21 | 0 50 | 2 33 | 0 47 | 0 11 | 1 42 | 27 37 | 9 31 | 14 20 | 14 35 | 15 28 | 14 44 | 6 50 |
| F 7 | 13 47 | 21 19 | 4 59 | 17 0 | 2 29 | 12 34 | 7 49 | 10 47 | 0 34 | 10 4 | 1 24 | 19 19 | 0 50 | 2 34 | 0 47 | 0 10 | 1 42 | 27 37 | 9 31 | 14 16 | 14 34 | 15 25 | 14 45 | 6 50 |
| S 8 | 13 26 | 15 55 | 4 39 | 17 15 | 2 16 | 12 42 | 7 43 | 11 2 | 0 35 | 10 4 | 1 24 | 19 18 | 0 50 | 2 34 | 0 47 | 0 10 | 1 42 | 27 38 | 9 31 | 14 12 | 14 33 | 15 22 | 14 46 | 6 50 |
| S 9 | 13 6 | 9 33 | 4 0 | 17 28 | 2 3 | 12 49 | 7 37 | 11 17 | 0 35 | 10 4 | 1 25 | 19 16 | 0 50 | 2 35 | 0 47 | 0 9 | 1 42 | 27 38 | 9 31 | 14 9 | 14 32 | 15 19 | 14 47 | 6 49 |
| M10 | 12 46 | 2 43 | 3 4 | 17 40 | 1 50 | 12 57 | 7 30 | 11 32 | 0 36 | 10 3 | 1 25 | 19 14 | 0 50 | 2 36 | 0 47 | 0 9 | 1 42 | 27 38 | 9 31 | 14 7 | 14 31 | 15 17 | 14 48 | 6 49 |
| T 11 | 12 25 | 4n 8 | 1 57 | 17 51 | 1 36 | 13 5 | 7 23 | 11 46 | 0 37 | 10 3 | 1 25 | 19 13 | 0 50 | 2 37 | 0 47 | 0 8 | 1 42 | 27 39 | 9 31 | 14 6 | 14 30 | 15 14 | 14 49 | 6 49 |
| W12 | 12 4 | 10 34 | 0 44 | 18 0 | 1 23 | 13 12 | 7 16 | 12 1 | 0 37 | 10 3 | 1 25 | 19 11 | 0 51 | 2 38 | 0 47 | 0 8 | 1 42 | 27 39 | 9 31 | 14 5 | 14 29 | 15 11 | 14 50 | 6 48 |
| T 13 | 11 43 | 16 17 | 0n29 | 18 7 | 1 10 | 13 20 | 7 8 | 12 15 | 0 38 | 10 2 | 1 25 | 19 9 | 0 51 | 2 39 | 0 47 | 0 7 | 1 42 | 27 39 | 9 31 | 14 5 | 14 28 | 15 8 | 14 51 | 6 48 |
| F 14 | 11 22 | 21 2 | 1 38 | 18 14 | 0 57 | 13 27 | 7 0 | 12 30 | 0 38 | 10 2 | 1 26 | 19 7 | 0 51 | 2 40 | 0 47 | 0 6 | 1 42 | 27 40 | 9 31 | 14 5 | 14 27 | 15 6 | 14 52 | 6 47 |
| S 15 | 11 1 | 24 36 | 2 41 | 18 18 | 0 45 | 13 34 | 6 52 | 12 44 | 0 39 | 10 1 | 1 26 | 19 6 | 0 51 | 2 41 | 0 47 | 0 6 | 1 42 | 27 40 | 9 31 | 14 5 | 14 26 | 15 3 | 14 53 | 6 47 |
| S 16 | 10 39 | 26 52 | 3 33 | 18 21 | 0 32 | 13 40 | 6 43 | 12 58 | 0 40 | 10 0 | 1 26 | 19 4 | 0 51 | 2 42 | 0 47 | 0 5 | 1 42 | 27 40 | 9 31 | 14 4 | 14 25 | 15 0 | 14 53 | 6 47 |
| M17 | 10 17 | 27 45 | 4 15 | 18 23 | 0 21 | 13 46 | 6 34 | 13 12 | 0 40 | 9 59 | 1 26 | 19 2 | 0 51 | 2 42 | 0 47 | 0 5 | 1 42 | 27 41 | 9 31 | 14 3 | 14 23 | 14 57 | 14 54 | 6 46 |
| T 18 | 9 55 | 27 15 | 4 44 | 18 23 | 0 9 | 13 52 | 6 25 | 13 26 | 0 41 | 9 59 | 1 26 | 19 1 | 0 51 | 2 43 | 0 47 | 0 4 | 1 42 | 27 41 | 9 31 | 14 1 | 14 22 | 14 54 | 14 55 | 6 46 |
| W19 | 9 33 | 25 28 | 5 0 | 18 21 | 0s 2 | 13 58 | 6 16 | 13 40 | 0 41 | 9 58 | 1 27 | 18 59 | 0 51 | 2 44 | 0 47 | 0 4 | 1 42 | 27 41 | 9 31 | 13 58 | 14 21 | 14 52 | 14 56 | 6 45 |
| T 20 | 9 11 | 22 34 | 5 3 | 18 19 | 0 13 | 14 4 | 6 7 | 13 54 | 0 42 | 9 57 | 1 27 | 18 57 | 0 51 | 2 45 | 0 47 | 0 3 | 1 43 | 27 42 | 9 31 | 13 54 | 14 20 | 14 49 | 14 57 | 6 45 |
| F 21 | 8 49 | 18 45 | 4 52 | 18 14 | 0 23 | 14 9 | 5 58 | 14 8 | 0 43 | 9 56 | 1 27 | 18 56 | 0 52 | 2 46 | 0 47 | 0 2 | 1 43 | 27 42 | 9 31 | 13 50 | 14 19 | 14 46 | 14 58 | 6 44 |
| S 22 | 8 27 | 14 12 | 4 29 | 18 8 | 0 33 | 14 13 | 5 49 | 14 21 | 0 43 | 9 55 | 1 27 | 18 54 | 0 52 | 2 47 | 0 47 | 0 2 | 1 43 | 27 42 | 9 31 | 13 46 | 14 18 | 14 43 | 14 59 | 6 44 |
| S 23 | 8 4 | 9 8 | 3 54 | 18 1 | 0 43 | 14 17 | 5 39 | 14 35 | 0 44 | 9 54 | 1 27 | 18 52 | 0 52 | 2 48 | 0 47 | 0 1 | 1 43 | 27 42 | 9 31 | 13 43 | 14 17 | 14 40 | 15 0 | 6 43 |
| M24 | 7 41 | 3 43 | 3 9 | 17 52 | 0 52 | 14 21 | 5 30 | 14 48 | 0 44 | 9 53 | 1 28 | 18 51 | 0 52 | 2 49 | 0 47 | 0 1 | 1 43 | 27 43 | 9 31 | 13 40 | 14 16 | 14 38 | 15 0 | 6 43 |
| T 25 | 7 19 | 1s51 | 2 16 | 17 42 | 1 1 | 14 25 | 5 21 | 15 1 | 0 45 | 9 51 | 1 28 | 18 49 | 0 52 | 2 50 | 0 47 | 0n 0 | 1 43 | 27 43 | 9 30 | 13 38 | 14 15 | 14 35 | 15 1 | 6 42 |
| W26 | 6 56 | 7 25 | 1 15 | 17 30 | 1 9 | 14 27 | 5 11 | 15 15 | 0 45 | 9 50 | 1 28 | 18 47 | 0 52 | 2 51 | 0 47 | 0 1 | 1 43 | 27 43 | 9 30 | 13 37 | 14 14 | 14 32 | 15 2 | 6 42 |
| T 27 | 6 33 | 12 46 | 0 11 | 17 16 | 1 17 | 14 30 | 5 2 | 15 28 | 0 46 | 9 49 | 1 28 | 18 46 | 0 52 | 2 52 | 0 47 | 0 1 | 1 43 | 27 43 | 9 30 | 13 37 | 14 13 | 14 29 | 15 3 | 6 41 |
| F 28 | 6s10 | 17s43 | 0s56 | 17s 2 | 1s25 | 14s32 | 4n52 | 15n40 | 0n46 | 9s47 | 1n28 | 18s44 | 0s52 | 2n53 | 0n47 | 0n 2 | 1n43 | 27n44 | 9n30 | 13n37 | 14n12 | 14n26 | 15n 4 | 6s41 |

Julian Day Number = 2072459.5, Delta T = 27m42s
Ecliptic obliquity = 23°34'32, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'31, Lahiri = 9°23'31 Julian Calendar 1 Feb. 962 == Greg. Calendar 6 Feb. 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## MARCH 962 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 53 57 | 15♓24'56 | 29♏ 1 | 18♒41 | 4♒57 | 10♉47 | 28°R53 | 9♒54 | 24°R32 | 3°R49 | 7°R15 | 6♉ 4 | 7♉47 | 4♍ 0 | 22°R39 | S 1 |
| S 2 | 10 57 53 | 16°24'26 | 11♐57 | 19°57 | 5°31 | 11°26 | 28♎49 | 10° 1 | 24♍29 | 3♎48 | 7♌14 | 6°R 5 | 7°44 | 4° 7 | 22♋37 | S 2 |
| M 3 | 11 1 50 | 17°23'53 | 25°16 | 21°14 | 6° 6 | 12° 5 | 28°45 | 10° 7 | 24°26 | 3°46 | 7°13 | 6° 4 | 7°41 | 4°14 | 22°36 | M 3 |
| T 4 | 11 5 46 | 18°23'19 | 9♑ 1 | 22°33 | 6°42 | 12°44 | 28°41 | 10°13 | 24°24 | 3°45 | 7°12 | 6° 2 | 7°38 | 4°21 | 22°34 | T 4 |
| W 5 | 11 9 43 | 19°22'43 | 23°14 | 23°54 | 7°20 | 13°23 | 28°37 | 10°19 | 24°21 | 3°43 | 7°11 | 5°59 | 7°34 | 4°27 | 22°33 | W 5 |
| T 6 | 11 13 39 | 20°22'05 | 7♒52 | 25°17 | 7°59 | 14° 2 | 28°32 | 10°25 | 24°19 | 3°42 | 7°10 | 5°53 | 7°31 | 4°34 | 22°31 | T 6 |
| F 7 | 11 17 36 | 21°21'25 | 22°51 | 26°41 | 8°38 | 14°41 | 28°28 | 10°32 | 24°16 | 3°40 | 7° 9 | 5°46 | 7°28 | 4°41 | 22°30 | F 7 |
| S 8 | 11 21 33 | 22°20'43 | 8♓ 3 | 28° 7 | 9°19 | 15°20 | 28°23 | 10°38 | 24°14 | 3°38 | 7° 8 | 5°40 | 7°25 | 4°47 | 22°29 | S 8 |
| S 9 | 11 25 29 | 23°20'00 | 23°17 | 29°34 | 10° 2 | 15°59 | 28°18 | 10°44 | 24°11 | 3°37 | 7° 7 | 5°34 | 7°22 | 4°54 | 22°28 | S 9 |
| M10 | 11 29 26 | 24°19'14 | 8♈23 | 1♓ 3 | 10°45 | 16°38 | 28°13 | 10°49 | 24° 8 | 3°35 | 7° 6 | 5°29 | 7°18 | 5° 1 | 22°27 | M10 |
| T 11 | 11 33 22 | 25°18'25 | 23°12 | 2°33 | 11°29 | 17°17 | 28° 7 | 10°55 | 24° 6 | 3°33 | 7° 5 | 5°27 | 7°15 | 5° 8 | 22°26 | T 11 |
| W12 | 11 37 19 | 26°17'35 | 7♉37 | 4° 5 | 12°14 | 17°55 | 28° 2 | 11° 1 | 24° 3 | 3°32 | 7° 4 | 5°D26 | 7°12 | 5°14 | 22°25 | W12 |
| T 13 | 11 41 15 | 27°16'42 | 21°34 | 5°39 | 13° 0 | 18°34 | 27°56 | 11° 7 | 24° 1 | 3°30 | 7° 3 | 5°27 | 7° 9 | 5°21 | 22°24 | T 13 |
| F 14 | 11 45 12 | 28°15'48 | 5♊ 4 | 7°14 | 13°46 | 19°13 | 27°51 | 11°13 | 23°58 | 3°29 | 7° 2 | 5°29 | 7° 6 | 5°28 | 22°24 | F 14 |
| S 15 | 11 49 8 | 29°14'50 | 18° 8 | 8°50 | 14°34 | 19°52 | 27°45 | 11°18 | 23°55 | 3°27 | 7° 2 | 5°30 | 7° 3 | 5°34 | 22°23 | S 15 |
| S 16 | 11 53 5 | 0♈13'51 | 0♋50 | 10°28 | 15°22 | 20°31 | 27°39 | 11°24 | 23°53 | 3°25 | 7° 1 | 5°R30 | 6°59 | 5°41 | 22°23 | S 16 |
| M17 | 11 57 1 | 1°12'49 | 13°13 | 12° 7 | 16°11 | 21°10 | 27°33 | 11°29 | 23°50 | 3°24 | 7° 0 | 5°30 | 6°56 | 5°48 | 22°23 | M17 |
| T 18 | 12 0 58 | 2°11'45 | 25°22 | 13°48 | 17° 1 | 21°48 | 27°27 | 11°35 | 23°48 | 3°22 | 6°59 | 5°27 | 6°53 | 5°54 | 22°22 | T 18 |
| W19 | 12 4 55 | 3°10'38 | 7♌22 | 15°30 | 17°51 | 22°27 | 27°20 | 11°40 | 23°45 | 3°20 | 6°59 | 5°24 | 6°50 | 6° 1 | 22°D22 | W19 |
| T 20 | 12 8 51 | 4° 9'29 | 19°15 | 17°14 | 18°43 | 23° 6 | 27°14 | 11°46 | 23°43 | 3°19 | 6°58 | 5°19 | 6°47 | 6° 8 | 22°22 | T 20 |
| F 21 | 12 12 48 | 5° 8'18 | 1♍ 6 | 19° 0 | 19°34 | 23°45 | 27° 7 | 11°51 | 23°40 | 3°17 | 6°57 | 5°13 | 6°43 | 6°15 | 22°23 | F 21 |
| S 22 | 12 16 44 | 6° 7'05 | 12°57 | 20°46 | 20°27 | 24°23 | 27° 1 | 11°56 | 23°38 | 3°15 | 6°57 | 5° 8 | 6°40 | 6°21 | 22°23 | S 22 |
| S 23 | 12 20 41 | 7° 5'49 | 24°51 | 22°35 | 21°20 | 25° 2 | 26°54 | 12° 1 | 23°35 | 3°14 | 6°56 | 5° 3 | 6°37 | 6°28 | 22°23 | S 23 |
| M24 | 12 24 37 | 8° 4'31 | 6♎50 | 24°25 | 22°14 | 25°41 | 26°47 | 12° 6 | 23°33 | 3°12 | 6°56 | 5° 0 | 6°34 | 6°35 | 22°23 | M24 |
| T 25 | 12 28 34 | 9° 3'12 | 18°54 | 26°16 | 23° 8 | 26°19 | 26°40 | 12°11 | 23°30 | 3°11 | 6°55 | 4°57 | 6°31 | 6°41 | 22°24 | T 25 |
| W26 | 12 32 30 | 10° 1'50 | 1♏ 7 | 28° 9 | 24° 3 | 26°58 | 26°33 | 12°16 | 23°28 | 3° 9 | 6°54 | 4°D56 | 6°28 | 6°48 | 22°25 | W26 |
| T 27 | 12 36 27 | 11° 0'27 | 13°29 | 0♈ 4 | 24°58 | 27°37 | 26°26 | 12°21 | 23°25 | 3° 7 | 6°54 | 4°56 | 6°24 | 6°55 | 22°25 | T 27 |
| F 28 | 12 40 24 | 11°59'02 | 26° 3 | 2° 0 | 25°54 | 28°15 | 26°19 | 12°26 | 23°23 | 3° 6 | 6°53 | 4°58 | 6°21 | 7° 2 | 22°26 | F 28 |
| S 29 | 12 44 20 | 12°57'35 | 8♐50 | 3°57 | 26°50 | 28°54 | 26°12 | 12°31 | 23°20 | 3° 4 | 6°53 | 4°59 | 6°18 | 7° 8 | 22°27 | S 29 |
| S 30 | 12 48 17 | 13°56'06 | 21°54 | 5°56 | 27°47 | 29°32 | 26° 5 | 12°35 | 23°18 | 3° 2 | 6°53 | 5° 0 | 6°15 | 7°15 | 22°28 | S 30 |
| M31 | 12 52 13 | 14♈54'36 | 5♑16 | 7♈57 | 28♒44 | 0♊11 | 25♎57 | 12♒40 | 23♍16 | 3♎ 1 | 6♌52 | 5♉ 1 | 6♉12 | 7♍22 | 22♋29 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s47 | 22s 1 | 2s 0 | 16s46 | 1s32 | 14s33 | 4n43 | 15n53 | 0n47 | 9s46 | 1n28 | 18s42 | 0s52 | 2n54 | 0n47 | 0n 3 | 1n43 | 27n44 | 9n30 | 13n37 | 14n11 | 14n23 | 15n 5 | 6s40 |
| S 2 | 5 24 | 25 20 | 3 1 | 16 28 | 1 38 | 14 34 | 4 34 | 16 6 | 0 47 | 9 44 | 1 29 | 18 41 | 0 53 | 2 55 | 0 47 | 0 3 | 1 43 | 27 44 | 9 30 | 13 37 | 14 10 | 14 21 | 15 5 | 6 40 |
| M 3 | 5 0 | 27 23 | 3 54 | 16 9 | 1 44 | 14 35 | 4 24 | 16 19 | 0 48 | 9 43 | 1 29 | 18 39 | 0 53 | 2 56 | 0 47 | 0 4 | 1 43 | 27 44 | 9 30 | 13 37 | 14 9 | 14 18 | 15 6 | 6 39 |
| T 4 | 4 37 | 27 50 | 4 35 | 15 48 | 1 50 | 14 35 | 4 15 | 16 31 | 0 48 | 9 41 | 1 29 | 18 38 | 0 53 | 2 57 | 0 47 | 0 5 | 1 43 | 27 44 | 9 30 | 13 37 | 14 8 | 14 15 | 15 7 | 6 39 |
| W 5 | 4 14 | 26 30 | 5 1 | 15 26 | 1 55 | 14 35 | 4 6 | 16 43 | 0 49 | 9 39 | 1 29 | 18 36 | 0 53 | 2 58 | 0 47 | 0 5 | 1 43 | 27 45 | 9 30 | 13 35 | 14 7 | 14 12 | 15 8 | 6 38 |
| T 6 | 3 50 | 23 21 | 5 8 | 15 3 | 2 0 | 14 34 | 3 57 | 16 56 | 0 49 | 9 38 | 1 29 | 18 35 | 0 53 | 2 59 | 0 47 | 0 6 | 1 43 | 27 45 | 9 30 | 13 33 | 14 6 | 14 9 | 15 9 | 6 38 |
| F 7 | 3 27 | 18 37 | 4 55 | 14 38 | 2 4 | 14 32 | 3 48 | 17 8 | 0 50 | 9 36 | 1 29 | 18 33 | 0 53 | 3 0 | 0 47 | 0 6 | 1 43 | 27 45 | 9 29 | 13 31 | 14 5 | 14 6 | 15 9 | 6 37 |
| S 8 | 3 3 | 12 37 | 4 21 | 14 12 | 2 8 | 14 30 | 3 39 | 17 20 | 0 50 | 9 34 | 1 29 | 18 32 | 0 53 | 3 2 | 0 47 | 0 7 | 1 43 | 27 45 | 9 29 | 13 29 | 14 4 | 14 3 | 15 10 | 6 36 |
| S 9 | 2 40 | 5 52 | 3 28 | 13 44 | 2 12 | 14 28 | 3 30 | 17 31 | 0 51 | 9 32 | 1 30 | 18 30 | 0 53 | 3 3 | 0 47 | 0 8 | 1 43 | 27 45 | 9 29 | 13 27 | 14 3 | 14 0 | 15 11 | 6 36 |
| M10 | 2 16 | 1n11 | 2 21 | 13 15 | 2 15 | 14 25 | 3 21 | 17 43 | 0 51 | 9 30 | 1 30 | 18 28 | 0 54 | 3 4 | 0 47 | 0 8 | 1 43 | 27 45 | 9 29 | 13 26 | 14 2 | 13 58 | 15 12 | 6 35 |
| T 11 | 1 53 | 8 3 | 1 6 | 12 45 | 2 17 | 14 21 | 3 13 | 17 55 | 0 52 | 9 28 | 1 30 | 18 27 | 0 54 | 3 5 | 0 47 | 0 9 | 1 43 | 27 45 | 9 29 | 13 25 | 14 1 | 13 55 | 15 12 | 6 35 |
| W12 | 1 29 | 14 19 | 0n12 | 12 13 | 2 19 | 14 17 | 3 4 | 18 6 | 0 52 | 9 26 | 1 30 | 18 26 | 0 54 | 3 6 | 0 47 | 0 10 | 1 43 | 27 46 | 9 29 | 13 25 | 14 0 | 13 52 | 15 13 | 6 34 |
| T 13 | 1 5 | 19 39 | 1 27 | 11 40 | 2 21 | 14 12 | 2 55 | 18 17 | 0 52 | 9 24 | 1 30 | 18 24 | 0 54 | 3 7 | 0 47 | 0 10 | 1 43 | 27 46 | 9 29 | 13 25 | 13 59 | 13 49 | 15 14 | 6 33 |
| F 14 | 0 42 | 23 48 | 2 34 | 11 6 | 2 22 | 14 7 | 2 47 | 18 29 | 0 53 | 9 22 | 1 30 | 18 23 | 0 54 | 3 8 | 0 47 | 0 11 | 1 43 | 27 46 | 9 29 | 13 25 | 13 58 | 13 46 | 15 14 | 6 33 |
| S 15 | 0 18 | 26 33 | 3 31 | 10 30 | 2 22 | 14 2 | 2 39 | 18 40 | 0 53 | 9 20 | 1 30 | 18 21 | 0 54 | 3 9 | 0 47 | 0 12 | 1 43 | 27 46 | 9 28 | 13 26 | 13 57 | 13 43 | 15 15 | 6 32 |
| S 16 | 0n 6 | 27 51 | 4 17 | 9 53 | 2 22 | 13 55 | 2 31 | 18 50 | 0 54 | 9 17 | 1 30 | 18 20 | 0 54 | 3 10 | 0 47 | 0 12 | 1 43 | 27 46 | 9 28 | 13 26 | 13 55 | 13 40 | 15 16 | 6 32 |
| M17 | 0 29 | 27 42 | 4 49 | 9 14 | 2 22 | 13 49 | 2 22 | 19 1 | 0 54 | 9 15 | 1 30 | 18 18 | 0 54 | 3 11 | 0 47 | 0 13 | 1 43 | 27 46 | 9 28 | 13 26 | 13 54 | 13 37 | 15 16 | 6 31 |
| T 18 | 0 53 | 26 13 | 5 7 | 8 34 | 2 21 | 13 41 | 2 14 | 19 12 | 0 54 | 9 13 | 1 31 | 18 17 | 0 55 | 3 12 | 0 47 | 0 14 | 1 43 | 27 46 | 9 28 | 13 25 | 13 53 | 13 34 | 15 17 | 6 30 |
| W19 | 1 16 | 23 33 | 5 11 | 7 53 | 2 20 | 13 34 | 2 6 | 19 22 | 0 55 | 9 10 | 1 31 | 18 16 | 0 55 | 3 13 | 0 47 | 0 14 | 1 43 | 27 46 | 9 28 | 13 24 | 13 52 | 13 32 | 15 18 | 6 30 |
| T 20 | 1 40 | 19 55 | 5 3 | 7 11 | 2 18 | 13 25 | 1 59 | 19 33 | 0 55 | 9 8 | 1 31 | 18 14 | 0 55 | 3 14 | 0 47 | 0 15 | 1 43 | 27 46 | 9 28 | 13 22 | 13 51 | 13 29 | 15 18 | 6 29 |
| F 21 | 2 3 | 15 31 | 4 41 | 6 27 | 2 15 | 13 17 | 1 51 | 19 43 | 0 56 | 9 6 | 1 31 | 18 13 | 0 55 | 3 15 | 0 47 | 0 16 | 1 43 | 27 46 | 9 28 | 13 20 | 13 50 | 13 26 | 15 19 | 6 29 |
| S 22 | 2 27 | 10 32 | 4 7 | 5 42 | 2 13 | 13 7 | 1 43 | 19 53 | 0 56 | 9 3 | 1 31 | 18 11 | 0 55 | 3 16 | 0 47 | 0 16 | 1 43 | 27 46 | 9 27 | 13 18 | 13 49 | 13 23 | 15 19 | 6 28 |
| S 23 | 2 50 | 5 9 | 3 22 | 4 56 | 2 9 | 12 57 | 1 36 | 20 3 | 0 56 | 9 1 | 1 31 | 18 10 | 0 55 | 3 17 | 0 47 | 0 17 | 1 43 | 27 46 | 9 27 | 13 17 | 13 48 | 13 20 | 15 20 | 6 27 |
| M24 | 3 13 | 0s28 | 2 28 | 4 9 | 2 5 | 12 47 | 1 29 | 20 12 | 0 57 | 8 58 | 1 31 | 18 9 | 0 55 | 3 18 | 0 47 | 0 18 | 1 43 | 27 46 | 9 27 | 13 16 | 13 47 | 13 17 | 15 21 | 6 27 |
| T 25 | 3 36 | 6 6 | 1 27 | 3 20 | 2 1 | 12 36 | 1 21 | 20 22 | 0 57 | 8 56 | 1 31 | 18 8 | 0 56 | 3 19 | 0 47 | 0 18 | 1 43 | 27 46 | 9 27 | 13 15 | 13 46 | 13 14 | 15 21 | 6 26 |
| W26 | 4 0 | 11 36 | 0 21 | 2 30 | 1 56 | 12 25 | 1 14 | 20 31 | 0 57 | 8 53 | 1 31 | 18 6 | 0 56 | 3 20 | 0 47 | 0 19 | 1 43 | 27 46 | 9 27 | 13 14 | 13 45 | 13 11 | 15 22 | 6 25 |
| T 27 | 4 23 | 16 43 | 0s47 | 1 40 | 1 50 | 12 13 | 1 7 | 20 41 | 0 58 | 8 50 | 1 31 | 18 5 | 0 56 | 3 21 | 0 47 | 0 20 | 1 43 | 27 46 | 9 27 | 13 15 | 13 44 | 13 8 | 15 22 | 6 25 |
| F 28 | 4 46 | 21 13 | 1 54 | 0 48 | 1 44 | 12 1 | 1 0 | 20 50 | 0 58 | 8 48 | 1 31 | 18 4 | 0 56 | 3 22 | 0 47 | 0 20 | 1 43 | 27 46 | 9 26 | 13 15 | 13 43 | 13 5 | 15 23 | 6 24 |
| S 29 | 5 9 | 24 48 | 2 56 | 0n 5 | 1 38 | 11 48 | 0 54 | 20 59 | 0 58 | 8 45 | 1 31 | 18 3 | 0 56 | 3 23 | 0 47 | 0 21 | 1 43 | 27 46 | 9 26 | 13 15 | 13 42 | 13 2 | 15 23 | 6 24 |
| S 30 | 5 32 | 27 10 | 3 51 | 0 59 | 1 31 | 11 35 | 0 47 | 21 7 | 0 59 | 8 43 | 1 31 | 18 1 | 0 56 | 3 23 | 0 47 | 0 22 | 1 43 | 27 46 | 9 26 | 13 16 | 13 41 | 12 59 | 15 24 | 6 23 |
| M31 | 5n54 | 28s 2 | 4s34 | 1n54 | 1s23 | 11s21 | 0n40 | 21n16 | 0n59 | 8s40 | 1n31 | 18s 0 | 0s56 | 3n24 | 0n47 | 0n22 | 1n43 | 27n46 | 9n26 | 13n16 | 13n40 | 12n56 | 15n24 | 6s22 |

Julian Day Number = 2072487.5, Delta T = 27m42s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'35, Lahiri = 9°23'35 Julian Calendar 1 March 962 == Greg. Calendar 6 March 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## APRIL 962 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 56 10 | 15♈53'04 | 18♉57 | 9♈59 | 29♒42 | 0♊50 | 25°R50 | 12♒45 | 23°R13 | 2°R59 | 6°R52 | 5°R 2 | 6♉ 9 | 7♍28 | 22♋31 | T 1 |
| W 2 | 13 0 6 | 16°51'30 | 3♒ 0 | 12° 2 | 0♓40 | 1°28 | 25♎42 | 12°49 | 23♍11 | 2♎58 | 6♏51 | 5♉ 1 | 6° 5 | 7°35 | 22°32 | W 2 |
| T 3 | 13 4 3 | 17°49'55 | 17°22 | 14° 7 | 1°38 | 2° 7 | 25°35 | 12°53 | 23° 9 | 2°56 | 6°51 | 5° 0 | 6° 2 | 7°42 | 22°33 | T 3 |
| F 4 | 13 7 59 | 18°48'18 | 2♓ 0 | 16°12 | 2°37 | 2°45 | 25°27 | 12°58 | 23° 7 | 2°54 | 6°51 | 4°58 | 5°59 | 7°48 | 22°35 | F 4 |
| S 5 | 13 11 56 | 19°46'40 | 16°50 | 18°19 | 3°36 | 3°24 | 25°20 | 13° 2 | 23° 4 | 2°53 | 6°51 | 4°56 | 5°56 | 7°55 | 22°36 | S 5 |
| S 6 | 13 15 53 | 20°44'59 | 1♈45 | 20°27 | 4°36 | 4° 2 | 25°12 | 13° 6 | 23° 2 | 2°51 | 6°50 | 4°54 | 5°53 | 8° 2 | 22°38 | S 6 |
| M 7 | 13 19 49 | 21°43'17 | 16°36 | 22°35 | 5°36 | 4°41 | 25° 5 | 13°10 | 23° 0 | 2°50 | 6°50 | 4°53 | 5°49 | 8° 9 | 22°40 | M 7 |
| T 8 | 13 23 46 | 22°41'33 | 1♉16 | 24°44 | 6°36 | 5°19 | 24°57 | 13°14 | 22°58 | 2°48 | 6°50 | 4°D53 | 5°46 | 8°15 | 22°42 | T 8 |
| W 9 | 13 27 42 | 23°39'48 | 15°38 | 26°53 | 7°37 | 5°58 | 24°49 | 13°18 | 22°56 | 2°47 | 6°50 | 4°53 | 5°43 | 8°22 | 22°44 | W 9 |
| T 10 | 13 31 39 | 24°38'00 | 29°37 | 29° 2 | 8°38 | 6°36 | 24°42 | 13°22 | 22°54 | 2°45 | 6°50 | 4°53 | 5°40 | 8°29 | 22°46 | T 10 |
| F 11 | 13 35 35 | 25°36'11 | 13♊12 | 1♉11 | 9°39 | 7°15 | 24°34 | 13°26 | 22°52 | 2°44 | 6°50 | 4°54 | 5°37 | 8°35 | 22°48 | F 11 |
| S 12 | 13 39 32 | 26°34'20 | 26°22 | 3°20 | 10°40 | 7°53 | 24°26 | 13°29 | 22°50 | 2°42 | 6°50 | 4°55 | 5°34 | 8°42 | 22°51 | S 12 |
| S 13 | 13 43 28 | 27°32'27 | 9♋ 9 | 5°27 | 11°42 | 8°31 | 24°19 | 13°33 | 22°48 | 2°41 | 6°50 | 4°56 | 5°30 | 8°49 | 22°53 | S 13 |
| M14 | 13 47 25 | 28°30'31 | 21°36 | 7°33 | 12°44 | 9°10 | 24°11 | 13°36 | 22°46 | 2°39 | 6°D50 | 4°56 | 5°27 | 8°55 | 22°56 | M14 |
| T 15 | 13 51 22 | 29°28'34 | 3♌48 | 9°38 | 13°47 | 9°48 | 24° 3 | 13°40 | 22°44 | 2°38 | 6°50 | 4°R56 | 5°24 | 9° 2 | 22°58 | T 15 |
| W16 | 13 55 18 | 0♉26'35 | 15°48 | 11°41 | 14°49 | 10°27 | 23°56 | 13°43 | 22°42 | 2°36 | 6°50 | 4°56 | 5°21 | 9° 9 | 23° 1 | W16 |
| T 17 | 13 59 15 | 1°24'34 | 27°41 | 13°42 | 15°52 | 11° 5 | 23°48 | 13°46 | 22°40 | 2°35 | 6°50 | 4°55 | 5°18 | 9°16 | 23° 4 | T 17 |
| F 18 | 14 3 11 | 2°22'30 | 9♍32 | 15°41 | 16°55 | 11°43 | 23°41 | 13°49 | 22°38 | 2°34 | 6°50 | 4°55 | 5°15 | 9°22 | 23° 7 | F 18 |
| S 19 | 14 7 8 | 3°20'25 | 21°25 | 17°38 | 17°58 | 12°22 | 23°33 | 13°53 | 22°36 | 2°32 | 6°50 | 4°55 | 5°11 | 9°29 | 23° 9 | S 19 |
| S 20 | 14 11 4 | 4°18'19 | 3♎22 | 19°31 | 19° 2 | 13° 0 | 23°26 | 13°56 | 22°35 | 2°31 | 6°50 | 4°55 | 5° 8 | 9°36 | 23°13 | S 20 |
| M21 | 14 15 1 | 5°16'10 | 15°27 | 21°22 | 20° 6 | 13°38 | 23°18 | 13°58 | 22°33 | 2°30 | 6°50 | 4°D55 | 5° 5 | 9°42 | 23°16 | M21 |
| T 22 | 14 18 57 | 6°14'00 | 27°42 | 23°10 | 21°10 | 14°17 | 23°11 | 14° 1 | 22°31 | 2°28 | 6°51 | 4°55 | 5° 2 | 9°49 | 23°19 | T 22 |
| W23 | 14 22 54 | 7°11'49 | 10♏ 9 | 24°55 | 22°14 | 14°55 | 23° 4 | 14° 4 | 22°30 | 2°27 | 6°51 | 4°R55 | 4°59 | 9°56 | 23°22 | W23 |
| T 24 | 14 26 51 | 8° 9'35 | 22°49 | 26°37 | 23°18 | 15°33 | 22°57 | 14° 7 | 22°28 | 2°26 | 6°51 | 4°55 | 4°55 | 10° 2 | 23°26 | T 24 |
| F 25 | 14 30 47 | 9° 7'21 | 5♐43 | 28°15 | 24°23 | 16°11 | 22°50 | 14° 9 | 22°27 | 2°24 | 6°51 | 4°54 | 4°52 | 10° 9 | 23°29 | F 25 |
| S 26 | 14 34 44 | 10° 5'05 | 18°51 | 29°50 | 25°27 | 16°50 | 22°43 | 14°11 | 22°25 | 2°23 | 6°52 | 4°54 | 4°49 | 10°16 | 23°33 | S 26 |
| S 27 | 14 38 40 | 11° 2'49 | 2♑12 | 1♊22 | 26°32 | 17°28 | 22°36 | 14°14 | 22°24 | 2°22 | 6°52 | 4°53 | 4°46 | 10°23 | 23°36 | S 27 |
| M28 | 14 42 37 | 12° 0'30 | 15°47 | 2°50 | 27°38 | 18° 6 | 22°29 | 14°16 | 22°22 | 2°21 | 6°52 | 4°52 | 4°43 | 10°29 | 23°40 | M28 |
| T 29 | 14 46 33 | 12°58'11 | 29°36 | 4°15 | 28°43 | 18°44 | 22°22 | 14°18 | 22°21 | 2°20 | 6°53 | 4°52 | 4°40 | 10°36 | 23°44 | T 29 |
| W30 | 14 50 30 | 13♉55'51 | 13♒37 | 5♊36 | 29♓48 | 19♊23 | 22♎15 | 14♒20 | 22♍20 | 2♎19 | 6♏53 | 4°D52 | 4♉36 | 10♍43 | 23♋48 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n17 | 27s14 | 5s 3 | 2n49 | 1s15 | 11s 7 | 0n34 | 21n24 | 0n59 | 8s37 | 1n31 | 17s59 | 0s57 | 3n25 | 0n47 | 0n23 | 1n43 | 27n46 | 9n26 | 13n16 | 13n39 | 12n53 | 15n24 | 6s22 |
| W 2 | 6 40 | 24 42 | 5 15 | 3 46 | 1 7 | 10 52 | 0 28 | 21 33 | 1 0 | 8 34 | 1 31 | 17 58 | 0 57 | 3 26 | 0 47 | 0 23 | 1 43 | 27 46 | 9 25 | 13 16 | 13 38 | 12 50 | 15 25 | 6 21 |
| T 3 | 7 2 | 20 36 | 5 8 | 4 42 | 0 58 | 10 37 | 0 22 | 21 41 | 1 0 | 8 32 | 1 31 | 17 57 | 0 57 | 3 27 | 0 47 | 0 24 | 1 43 | 27 46 | 9 25 | 13 16 | 13 37 | 12 47 | 15 25 | 6 20 |
| F 4 | 7 24 | 15 11 | 4 41 | 5 40 | 0 49 | 10 21 | 0 16 | 21 49 | 1 0 | 8 29 | 1 31 | 17 56 | 0 57 | 3 28 | 0 47 | 0 25 | 1 43 | 27 45 | 9 25 | 13 15 | 13 35 | 12 44 | 15 26 | 6 20 |
| S 5 | 7 47 | 8 50 | 3 55 | 6 37 | 0 39 | 10 5 | 0 10 | 21 57 | 1 1 | 8 26 | 1 31 | 17 55 | 0 57 | 3 29 | 0 47 | 0 25 | 1 43 | 27 45 | 9 25 | 13 14 | 13 34 | 12 42 | 15 26 | 6 19 |
| S 6 | 8 9 | 1 57 | 2 53 | 7 35 | 0 29 | 9 49 | 0 4 | 22 4 | 1 1 | 8 23 | 1 31 | 17 54 | 0 57 | 3 30 | 0 47 | 0 26 | 1 43 | 27 45 | 9 25 | 13 14 | 13 33 | 12 39 | 15 26 | 6 19 |
| M 7 | 8 31 | 5n 2 | 1 39 | 8 33 | 0 19 | 9 32 | 0s 2 | 22 12 | 1 1 | 8 21 | 1 31 | 17 53 | 0 58 | 3 31 | 0 47 | 0 27 | 1 43 | 27 45 | 9 25 | 13 13 | 13 32 | 12 36 | 15 27 | 6 18 |
| T 8 | 8 53 | 11 40 | 0 20 | 9 30 | 0 8 | 9 15 | 0 7 | 22 19 | 1 1 | 8 18 | 1 31 | 17 52 | 0 58 | 3 31 | 0 47 | 0 27 | 1 43 | 27 45 | 9 24 | 13 13 | 13 31 | 12 33 | 15 27 | 6 17 |
| W 9 | 9 14 | 17 33 | 0n59 | 10 27 | 0n 2 | 8 58 | 0 13 | 22 26 | 1 2 | 8 15 | 1 31 | 17 51 | 0 58 | 3 32 | 0 47 | 0 28 | 1 43 | 27 45 | 9 24 | 13 13 | 13 30 | 12 30 | 15 27 | 6 17 |
| T 10 | 9 36 | 22 21 | 2 13 | 11 24 | 0 13 | 8 40 | 0 18 | 22 33 | 1 2 | 8 12 | 1 31 | 17 50 | 0 58 | 3 33 | 0 47 | 0 28 | 1 43 | 27 45 | 9 24 | 13 13 | 13 29 | 12 27 | 15 27 | 6 16 |
| F 11 | 9 57 | 25 46 | 3 17 | 12 19 | 0 24 | 8 21 | 0 23 | 22 40 | 1 2 | 8 10 | 1 31 | 17 49 | 0 58 | 3 34 | 0 47 | 0 29 | 1 43 | 27 45 | 9 24 | 13 14 | 13 28 | 12 24 | 15 28 | 6 15 |
| S 12 | 10 18 | 27 39 | 4 8 | 13 14 | 0 34 | 8 2 | 0 28 | 22 47 | 1 2 | 8 7 | 1 31 | 17 48 | 0 58 | 3 35 | 0 47 | 0 30 | 1 43 | 27 44 | 9 24 | 13 14 | 13 27 | 12 21 | 15 28 | 6 15 |
| S 13 | 10 39 | 28 0 | 4 46 | 14 7 | 0 45 | 7 43 | 0 33 | 22 53 | 1 3 | 8 4 | 1 31 | 17 47 | 0 59 | 3 35 | 0 47 | 0 30 | 1 43 | 27 44 | 9 23 | 13 14 | 13 26 | 12 18 | 15 28 | 6 14 |
| M14 | 11 0 | 26 54 | 5 8 | 14 59 | 0 55 | 7 24 | 0 38 | 22 59 | 1 3 | 8 1 | 1 31 | 17 46 | 0 59 | 3 36 | 0 47 | 0 31 | 1 43 | 27 44 | 9 23 | 13 14 | 13 25 | 12 15 | 15 28 | 6 14 |
| T 15 | 11 21 | 24 32 | 5 17 | 15 49 | 1 5 | 7 4 | 0 43 | 23 5 | 1 3 | 7 59 | 1 31 | 17 45 | 0 59 | 3 37 | 0 46 | 0 31 | 1 43 | 27 44 | 9 23 | 13 14 | 13 24 | 12 12 | 15 29 | 6 13 |
| W16 | 11 42 | 21 8 | 5 11 | 16 37 | 1 15 | 6 44 | 0 47 | 23 11 | 1 3 | 7 56 | 1 31 | 17 45 | 0 59 | 3 38 | 0 46 | 0 32 | 1 43 | 27 44 | 9 23 | 13 14 | 13 23 | 12 9 | 15 29 | 6 12 |
| T 17 | 12 2 | 16 55 | 4 52 | 17 23 | 1 25 | 6 24 | 0 52 | 23 17 | 1 4 | 7 53 | 1 31 | 17 44 | 0 59 | 3 38 | 0 46 | 0 32 | 1 43 | 27 43 | 9 23 | 13 14 | 13 22 | 12 6 | 15 29 | 6 12 |
| F 18 | 12 22 | 12 4 | 4 21 | 18 7 | 1 33 | 6 3 | 0 56 | 23 23 | 1 4 | 7 51 | 1 30 | 17 43 | 0 59 | 3 39 | 0 46 | 0 33 | 1 43 | 27 43 | 9 22 | 13 14 | 13 21 | 12 3 | 15 29 | 6 11 |
| S 19 | 12 42 | 6 46 | 3 39 | 18 49 | 1 42 | 5 42 | 1 0 | 23 28 | 1 4 | 7 48 | 1 30 | 17 42 | 1 0 | 3 40 | 0 46 | 0 33 | 1 43 | 27 43 | 9 22 | 13 14 | 13 20 | 12 0 | 15 29 | 6 11 |
| S 20 | 13 2 | 1 12 | 2 46 | 19 28 | 1 49 | 5 21 | 1 4 | 23 33 | 1 4 | 7 45 | 1 30 | 17 42 | 1 0 | 3 40 | 0 46 | 0 34 | 1 43 | 27 43 | 9 22 | 13 14 | 13 18 | 11 57 | 15 29 | 6 10 |
| M21 | 13 21 | 4s29 | 1 46 | 20 5 | 1 56 | 4 59 | 1 8 | 23 38 | 1 5 | 7 43 | 1 30 | 17 41 | 1 0 | 3 41 | 0 46 | 0 34 | 1 43 | 27 42 | 9 22 | 13 14 | 13 17 | 11 54 | 15 29 | 6 9 |
| T 22 | 13 40 | 10 6 | 0 40 | 20 39 | 2 3 | 4 37 | 1 12 | 23 43 | 1 5 | 7 40 | 1 30 | 17 40 | 1 0 | 3 41 | 0 46 | 0 35 | 1 43 | 27 42 | 9 22 | 13 14 | 13 16 | 11 51 | 15 29 | 6 9 |
| W23 | 14 0 | 15 24 | 0s29 | 21 11 | 2 8 | 4 15 | 1 15 | 23 48 | 1 5 | 7 37 | 1 30 | 17 40 | 1 0 | 3 42 | 0 46 | 0 35 | 1 43 | 27 42 | 9 21 | 13 14 | 13 15 | 11 47 | 15 29 | 6 8 |
| T 24 | 14 18 | 20 9 | 1 38 | 21 40 | 2 13 | 3 53 | 1 19 | 23 52 | 1 5 | 7 35 | 1 30 | 17 39 | 1 0 | 3 43 | 0 46 | 0 36 | 1 43 | 27 42 | 9 21 | 13 14 | 13 14 | 11 44 | 15 29 | 6 8 |
| F 25 | 14 37 | 24 3 | 2 43 | 22 7 | 2 17 | 3 30 | 1 22 | 23 56 | 1 5 | 7 32 | 1 30 | 17 39 | 1 1 | 3 43 | 0 46 | 0 36 | 1 43 | 27 41 | 9 21 | 13 14 | 13 13 | 11 41 | 15 29 | 6 7 |
| S 26 | 14 55 | 26 46 | 3 40 | 22 31 | 2 21 | 3 8 | 1 26 | 24 0 | 1 6 | 7 30 | 1 30 | 17 38 | 1 1 | 3 44 | 0 46 | 0 37 | 1 43 | 27 41 | 9 21 | 13 14 | 13 12 | 11 38 | 15 29 | 6 7 |
| S 27 | 15 14 | 28 0 | 4 27 | 22 53 | 2 23 | 2 45 | 1 29 | 24 4 | 1 6 | 7 27 | 1 29 | 17 38 | 1 1 | 3 44 | 0 46 | 0 37 | 1 43 | 27 41 | 9 21 | 13 13 | 13 11 | 11 35 | 15 29 | 6 6 |
| M28 | 15 32 | 27 35 | 4 59 | 23 13 | 2 25 | 2 21 | 1 32 | 24 8 | 1 6 | 7 25 | 1 29 | 17 37 | 1 1 | 3 45 | 0 46 | 0 38 | 1 43 | 27 41 | 9 20 | 13 13 | 13 10 | 11 32 | 15 29 | 6 6 |
| T 29 | 15 49 | 25 29 | 5 15 | 23 30 | 2 26 | 1 58 | 1 35 | 24 12 | 1 6 | 7 23 | 1 29 | 17 37 | 1 1 | 3 45 | 0 46 | 0 38 | 1 43 | 27 40 | 9 20 | 13 13 | 13 9 | 11 29 | 15 29 | 6 5 |
| W30 | 16n 7 | 21s49 | 5s13 | 23n45 | 2n26 | 1s34 | 1s38 | 24n15 | 1n 6 | 7s20 | 1n29 | 17s36 | 1s 2 | 3n46 | 0n46 | 0n39 | 1n42 | 27n40 | 9n20 | 13n13 | 13n 8 | 11n26 | 15n29 | 6s 4 |

Julian Day Number = 2072518.5, Delta T = 27m41s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'39, Lahiri = 9°23'40 Julian Calendar 1 Apr. 962 == Greg. Calendar 6 Apr. 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## MAY 962 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 54 26 | 14♉53'30 | 27♒49 | 6♊53 | 0♈54 | 20♊ 1 | 22°R 9 | 14♒22 | 22°R18 | 2°R17 | 6♌54 | 4♉52 | 4♉33 | 10♍49 | 23♋52 | T 1 |
| F 2 | 14 58 23 | 15°51'07 | 12♓ 9 | 8° 7 | 2° 0 | 20°39 | 22♎ 2 | 14°24 | 22♍17 | 2♎16 | 6°54 | 4°52 | 4°30 | 10°56 | 23°56 | F 2 |
| S 3 | 15 2 20 | 16°48'44 | 26°36 | 9°17 | 3° 6 | 21°17 | 21°56 | 14°26 | 22°16 | 2°15 | 6°55 | 4°53 | 4°27 | 11° 3 | 24° 0 | S 3 |
| S 4 | 15 6 16 | 17°46'19 | 11♈ 4 | 10°24 | 4°12 | 21°55 | 21°49 | 14°28 | 22°15 | 2°14 | 6°55 | 4°54 | 4°24 | 11° 9 | 24° 4 | S 4 |
| M 5 | 15 10 13 | 18°43'54 | 25°30 | 11°26 | 5°18 | 22°33 | 21°43 | 14°29 | 22°14 | 2°13 | 6°56 | 4°55 | 4°20 | 11°16 | 24° 9 | M 5 |
| T 6 | 15 14 9 | 19°41'27 | 9♉48 | 12°25 | 6°25 | 23°12 | 21°37 | 14°31 | 22°13 | 2°12 | 6°57 | 4°R55 | 4°17 | 11°23 | 24°13 | T 6 |
| W 7 | 15 18 6 | 20°39'00 | 23°53 | 13°19 | 7°31 | 23°50 | 21°31 | 14°32 | 22°12 | 2°11 | 6°57 | 4°54 | 4°14 | 11°29 | 24°18 | W 7 |
| T 8 | 15 22 2 | 21°36'31 | 7♊42 | 14°10 | 8°38 | 24°28 | 21°25 | 14°33 | 22°11 | 2°10 | 6°58 | 4°53 | 4°11 | 11°36 | 24°22 | T 8 |
| F 9 | 15 25 59 | 22°34'01 | 21°11 | 14°57 | 9°45 | 25° 6 | 21°20 | 14°35 | 22°10 | 2° 9 | 6°59 | 4°51 | 4° 8 | 11°43 | 24°27 | F 9 |
| S 10 | 15 29 55 | 23°31'30 | 4♋20 | 15°39 | 10°52 | 25°44 | 21°14 | 14°36 | 22° 9 | 2° 8 | 6°59 | 4°48 | 4° 5 | 11°50 | 24°32 | S 10 |
| S 11 | 15 33 52 | 24°28'58 | 17° 7 | 16°17 | 11°59 | 26°22 | 21° 9 | 14°37 | 22° 8 | 2° 8 | 7° 0 | 4°45 | 4° 1 | 11°56 | 24°36 | S 11 |
| M12 | 15 37 49 | 25°26'25 | 29°37 | 16°51 | 13° 6 | 27° 0 | 21° 3 | 14°38 | 22° 8 | 2° 7 | 7° 1 | 4°43 | 3°58 | 12° 3 | 24°41 | M12 |
| T 13 | 15 41 45 | 26°23'50 | 11♌50 | 17°20 | 14°13 | 27°39 | 20°58 | 14°38 | 22° 7 | 2° 6 | 7° 2 | 4°41 | 3°55 | 12°10 | 24°46 | T 13 |
| W14 | 15 45 42 | 27°21'14 | 23°51 | 17°45 | 15°21 | 28°17 | 20°53 | 14°39 | 22° 6 | 2° 5 | 7° 2 | 4°D41 | 3°52 | 12°16 | 24°51 | W14 |
| T 15 | 15 49 38 | 28°18'37 | 5♍45 | 18° 5 | 16°28 | 28°55 | 20°48 | 14°40 | 22° 6 | 2° 4 | 7° 3 | 4°41 | 3°49 | 12°23 | 24°56 | T 15 |
| F 16 | 15 53 35 | 29°15'58 | 17°37 | 18°21 | 17°36 | 29°33 | 20°44 | 14°40 | 22° 5 | 2° 4 | 7° 4 | 4°42 | 3°46 | 12°30 | 25° 1 | F 16 |
| S 17 | 15 57 31 | 0♊13'18 | 29°30 | 18°32 | 18°44 | 0♋11 | 20°39 | 14°41 | 22° 5 | 2° 3 | 7° 5 | 4°43 | 3°42 | 12°36 | 25° 7 | S 17 |
| S 18 | 16 1 28 | 1°10'38 | 11♎30 | 18°38 | 19°51 | 0°49 | 20°35 | 14°41 | 22° 4 | 2° 2 | 7° 6 | 4°45 | 3°39 | 12°43 | 25°12 | S 18 |
| M19 | 16 5 24 | 2° 7'56 | 23°41 | 18°R40 | 20°59 | 1°27 | 20°31 | 14°41 | 22° 4 | 2° 2 | 7° 7 | 4°46 | 3°36 | 12°50 | 25°17 | M19 |
| T 20 | 16 9 21 | 3° 5'13 | 6♏ 6 | 18°38 | 22° 8 | 2° 5 | 20°26 | 14°41 | 22° 4 | 2° 1 | 7° 8 | 4°R47 | 3°33 | 12°57 | 25°23 | T 20 |
| W21 | 16 13 18 | 4° 2'30 | 18°48 | 18°31 | 23°16 | 2°43 | 20°23 | 14°R41 | 22° 3 | 2° 0 | 7° 9 | 4°46 | 3°30 | 13° 3 | 25°28 | W21 |
| T 22 | 16 17 14 | 4°59'46 | 1♐46 | 18°19 | 24°24 | 3°21 | 20°19 | 14°41 | 22° 3 | 2° 0 | 7°10 | 4°44 | 3°26 | 13°10 | 25°33 | T 22 |
| F 23 | 16 21 11 | 5°57'01 | 15° 3 | 18° 4 | 25°32 | 3°59 | 20°15 | 14°41 | 22° 3 | 1°59 | 7°11 | 4°40 | 3°23 | 13°17 | 25°39 | F 23 |
| S 24 | 16 25 7 | 6°54'16 | 28°36 | 17°45 | 26°41 | 4°37 | 20°12 | 14°41 | 22° 3 | 1°59 | 7°12 | 4°36 | 3°20 | 13°23 | 25°45 | S 24 |
| S 25 | 16 29 4 | 7°51'30 | 12♑22 | 17°22 | 27°49 | 5°15 | 20° 9 | 14°40 | 22°D 3 | 1°58 | 7°13 | 4°31 | 3°17 | 13°30 | 25°50 | S 25 |
| M26 | 16 33 0 | 8°48'43 | 26°20 | 16°56 | 28°58 | 5°53 | 20° 6 | 14°40 | 22° 3 | 1°58 | 7°14 | 4°26 | 3°14 | 13°37 | 25°56 | M26 |
| T 27 | 16 36 57 | 9°45'57 | 10♒26 | 16°28 | 0♉ 7 | 6°31 | 20° 3 | 14°39 | 22° 3 | 1°58 | 7°15 | 4°22 | 3°11 | 13°43 | 26° 2 | T 27 |
| W28 | 16 40 53 | 10°43'09 | 24°36 | 15°57 | 1°16 | 7° 9 | 20° 0 | 14°39 | 22° 3 | 1°57 | 7°16 | 4°19 | 3° 7 | 13°50 | 26° 8 | W28 |
| T 29 | 16 44 50 | 11°40'22 | 8♓48 | 15°25 | 2°25 | 7°47 | 19°57 | 14°38 | 22° 3 | 1°57 | 7°18 | 4°D18 | 3° 4 | 13°57 | 26°14 | T 29 |
| F 30 | 16 48 47 | 12°37'35 | 23° 0 | 14°51 | 3°34 | 8°25 | 19°55 | 14°37 | 22° 3 | 1°57 | 7°19 | 4°19 | 3° 1 | 14° 3 | 26°20 | F 30 |
| S 31 | 16 52 43 | 13♊34'47 | 7♈ 9 | 14♊16 | 4♉43 | 9♋ 3 | 19♎53 | 14♒36 | 22♍ 4 | 1♎56 | 7♌20 | 4♉20 | 2♉58 | 14♍10 | 26♋26 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n24 | 16s51 | 4s52 | 23n57 | 2n25 | 1s10 | 1s40 | 24n18 | 1n 7 | 7s18 | 1n29 | 17s36 | 1s 2 | 3n46 | 0n46 | 0n39 | 1n42 | 27n40 | 9n20 | 13n13 | 13n 7 | 11n23 | 15n29 | 6s 4 |
| F 2 | 16 41 | 10 55 | 4 12 | 24 8 | 2 23 | 0 46 | 1 43 | 24 21 | 1 7 | 7 16 | 1 29 | 17 35 | 1 2 | 3 47 | 0 46 | 0 39 | 1 42 | 27 39 | 9 20 | 13 13 | 13 6 | 11 20 | 15 29 | 6 3 |
| S 3 | 16 57 | 4 22 | 3 16 | 24 17 | 2 20 | 0 22 | 1 45 | 24 24 | 1 7 | 7 13 | 1 28 | 17 35 | 1 2 | 3 47 | 0 46 | 0 40 | 1 42 | 27 39 | 9 20 | 13 13 | 13 5 | 11 17 | 15 28 | 6 3 |
| S 4 | 17 14 | 2n26 | 2 8 | 24 23 | 2 17 | 0n 2 | 1 48 | 24 27 | 1 7 | 7 11 | 1 28 | 17 35 | 1 2 | 3 48 | 0 46 | 0 40 | 1 42 | 27 39 | 9 19 | 13 14 | 13 3 | 11 14 | 15 28 | 6 2 |
| M 5 | 17 30 | 9 7 | 0 52 | 24 28 | 2 12 | 0 26 | 1 50 | 24 29 | 1 7 | 7 9 | 1 28 | 17 34 | 1 2 | 3 48 | 0 46 | 0 41 | 1 42 | 27 38 | 9 19 | 13 14 | 13 2 | 11 11 | 15 28 | 6 2 |
| T 6 | 17 45 | 15 16 | 0n27 | 24 30 | 2 7 | 0 51 | 1 52 | 24 31 | 1 7 | 7 7 | 1 28 | 17 34 | 1 3 | 3 48 | 0 46 | 0 41 | 1 42 | 27 38 | 9 19 | 13 14 | 13 1 | 11 8 | 15 28 | 6 1 |
| W 7 | 18 1 | 20 31 | 1 43 | 24 31 | 2 1 | 1 15 | 1 54 | 24 33 | 1 8 | 7 5 | 1 28 | 17 34 | 1 3 | 3 49 | 0 46 | 0 41 | 1 42 | 27 38 | 9 19 | 13 14 | 13 0 | 11 5 | 15 28 | 6 1 |
| T 8 | 18 16 | 24 32 | 2 51 | 24 30 | 1 53 | 1 40 | 1 56 | 24 35 | 1 8 | 7 3 | 1 27 | 17 34 | 1 3 | 3 49 | 0 46 | 0 42 | 1 42 | 27 37 | 9 19 | 13 13 | 12 59 | 11 2 | 15 27 | 6 0 |
| F 9 | 18 31 | 27 5 | 3 48 | 24 28 | 1 45 | 2 5 | 1 58 | 24 37 | 1 8 | 7 1 | 1 27 | 17 34 | 1 3 | 3 49 | 0 46 | 0 42 | 1 42 | 27 37 | 9 18 | 13 13 | 12 58 | 10 59 | 15 27 | 6 0 |
| S 10 | 18 46 | 28 2 | 4 32 | 24 24 | 1 37 | 2 30 | 1 59 | 24 38 | 1 8 | 6 59 | 1 27 | 17 33 | 1 3 | 3 50 | 0 46 | 0 42 | 1 42 | 27 37 | 9 18 | 13 12 | 12 57 | 10 56 | 15 27 | 5 59 |
| S 11 | 19 0 | 27 26 | 5 0 | 24 18 | 1 27 | 2 55 | 2 1 | 24 40 | 1 8 | 6 57 | 1 27 | 17 33 | 1 4 | 3 50 | 0 46 | 0 43 | 1 42 | 27 36 | 9 18 | 13 11 | 12 56 | 10 52 | 15 26 | 5 59 |
| M12 | 19 14 | 25 27 | 5 14 | 24 11 | 1 16 | 3 19 | 2 2 | 24 41 | 1 8 | 6 56 | 1 26 | 17 33 | 1 4 | 3 50 | 0 46 | 0 43 | 1 42 | 27 36 | 9 18 | 13 10 | 12 55 | 10 49 | 15 26 | 5 58 |
| T 13 | 19 28 | 22 20 | 5 12 | 24 3 | 1 5 | 3 44 | 2 4 | 24 42 | 1 8 | 6 54 | 1 26 | 17 33 | 1 4 | 3 50 | 0 45 | 0 43 | 1 42 | 27 35 | 9 18 | 13 9 | 12 54 | 10 46 | 15 26 | 5 58 |
| W14 | 19 41 | 18 19 | 4 57 | 23 53 | 0 53 | 4 9 | 2 5 | 24 42 | 1 8 | 6 52 | 1 26 | 17 33 | 1 4 | 3 51 | 0 45 | 0 43 | 1 42 | 27 35 | 9 18 | 13 9 | 12 53 | 10 43 | 15 25 | 5 57 |
| T 15 | 19 54 | 13 38 | 4 30 | 23 42 | 0 40 | 4 34 | 2 6 | 24 43 | 1 9 | 6 51 | 1 26 | 17 33 | 1 4 | 3 51 | 0 45 | 0 44 | 1 42 | 27 35 | 9 17 | 13 9 | 12 52 | 10 40 | 15 25 | 5 57 |
| F 16 | 20 6 | 8 28 | 3 51 | 23 30 | 0 26 | 5 0 | 2 7 | 24 43 | 1 9 | 6 49 | 1 26 | 17 33 | 1 4 | 3 51 | 0 45 | 0 44 | 1 42 | 27 34 | 9 17 | 13 10 | 12 51 | 10 37 | 15 24 | 5 56 |
| S 17 | 20 19 | 2 58 | 3 2 | 23 16 | 0 12 | 5 25 | 2 8 | 24 43 | 1 9 | 6 48 | 1 25 | 17 33 | 1 5 | 3 51 | 0 45 | 0 44 | 1 42 | 27 34 | 9 17 | 13 10 | 12 49 | 10 34 | 15 24 | 5 56 |
| S 18 | 20 31 | 2s40 | 2 4 | 23 2 | 0s 4 | 5 50 | 2 9 | 24 43 | 1 9 | 6 46 | 1 25 | 17 33 | 1 5 | 3 51 | 0 45 | 0 44 | 1 42 | 27 33 | 9 17 | 13 11 | 12 48 | 10 31 | 15 23 | 5 55 |
| M19 | 20 42 | 8 19 | 1 0 | 22 46 | 0 19 | 6 15 | 2 9 | 24 43 | 1 9 | 6 45 | 1 25 | 17 33 | 1 5 | 3 51 | 0 45 | 0 45 | 1 42 | 27 33 | 9 17 | 13 11 | 12 47 | 10 28 | 15 23 | 5 55 |
| T 20 | 20 54 | 13 45 | 0s 7 | 22 30 | 0 35 | 6 40 | 2 10 | 24 43 | 1 9 | 6 43 | 1 25 | 17 34 | 1 5 | 3 51 | 0 45 | 0 45 | 1 42 | 27 33 | 9 17 | 13 11 | 12 46 | 10 25 | 15 22 | 5 55 |
| W21 | 21 5 | 18 44 | 1 16 | 22 13 | 0 52 | 7 4 | 2 10 | 24 42 | 1 9 | 6 42 | 1 24 | 17 34 | 1 5 | 3 52 | 0 45 | 0 45 | 1 42 | 27 32 | 9 16 | 13 11 | 12 45 | 10 21 | 15 22 | 5 54 |
| T 22 | 21 15 | 22 57 | 2 22 | 21 55 | 1 8 | 7 29 | 2 11 | 24 41 | 1 9 | 6 41 | 1 24 | 17 34 | 1 6 | 3 52 | 0 45 | 0 45 | 1 42 | 27 32 | 9 16 | 13 10 | 12 44 | 10 18 | 15 21 | 5 54 |
| F 23 | 21 25 | 26 5 | 3 22 | 21 37 | 1 25 | 7 54 | 2 11 | 24 40 | 1 9 | 6 40 | 1 24 | 17 34 | 1 6 | 3 52 | 0 45 | 0 45 | 1 42 | 27 31 | 9 16 | 13 9 | 12 43 | 10 15 | 15 21 | 5 53 |
| S 24 | 21 35 | 27 46 | 4 12 | 21 19 | 1 42 | 8 19 | 2 11 | 24 39 | 1 10 | 6 39 | 1 24 | 17 34 | 1 6 | 3 52 | 0 45 | 0 46 | 1 42 | 27 31 | 9 16 | 13 8 | 12 42 | 10 12 | 15 20 | 5 53 |
| S 25 | 21 45 | 27 47 | 4 48 | 21 0 | 1 59 | 8 43 | 2 11 | 24 38 | 1 10 | 6 38 | 1 23 | 17 35 | 1 6 | 3 52 | 0 45 | 0 46 | 1 41 | 27 30 | 9 16 | 13 6 | 12 41 | 10 9 | 15 19 | 5 52 |
| M26 | 21 54 | 26 2 | 5 8 | 20 41 | 2 16 | 9 8 | 2 11 | 24 36 | 1 10 | 6 37 | 1 23 | 17 35 | 1 6 | 3 52 | 0 45 | 0 46 | 1 41 | 27 30 | 9 16 | 13 4 | 12 40 | 10 6 | 15 19 | 5 52 |
| T 27 | 22 2 | 22 41 | 5 9 | 20 22 | 2 32 | 9 32 | 2 11 | 24 35 | 1 10 | 6 36 | 1 23 | 17 35 | 1 6 | 3 51 | 0 45 | 0 46 | 1 41 | 27 30 | 9 15 | 13 3 | 12 39 | 10 3 | 15 18 | 5 52 |
| W28 | 22 11 | 17 58 | 4 52 | 20 3 | 2 48 | 9 56 | 2 11 | 24 33 | 1 10 | 6 35 | 1 22 | 17 36 | 1 7 | 3 51 | 0 45 | 0 46 | 1 41 | 27 29 | 9 15 | 13 2 | 12 37 | 10 0 | 15 17 | 5 51 |
| T 29 | 22 19 | 12 16 | 4 17 | 19 45 | 3 3 | 10 20 | 2 10 | 24 31 | 1 10 | 6 35 | 1 22 | 17 36 | 1 7 | 3 51 | 0 45 | 0 46 | 1 41 | 27 29 | 9 15 | 13 2 | 12 36 | 9 56 | 15 17 | 5 51 |
| F 30 | 22 26 | 5 57 | 3 26 | 19 27 | 3 17 | 10 44 | 2 10 | 24 28 | 1 10 | 6 34 | 1 22 | 17 37 | 1 7 | 3 51 | 0 45 | 0 46 | 1 41 | 27 28 | 9 15 | 13 2 | 12 35 | 9 53 | 15 16 | 5 50 |
| S 31 | 22n34 | 0n41 | 2s22 | 19n10 | 3s30 | 11n 8 | 2s 9 | 24n26 | 1n10 | 6s33 | 1n22 | 17s37 | 1s 7 | 3n51 | 0n45 | 0n46 | 1n41 | 27n28 | 9n15 | 13n 2 | 12n34 | 9n50 | 15n15 | 5s50 |

Julian Day Number = 2072548.5, Delta T = 27m41s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'43, Lahiri = 9°23'44 Julian Calendar 1 May 962 == Greg. Calendar 6 May 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## JUNE 962 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 56 40 | 14♊31'59 | 21♈14 | 13°R42 | 5♉52 | 9♋41 | 19°R51 | 14°R35 | 22♍ 4 | 1°R56 | 7♌21 | 4♉21 | 2♉55 | 14♍17 | 26♋32 | S 1 |
| M 2 | 17 0 36 | 15°29'11 | 5♉14 | 13♊ 8 | 7° 1 | 10°19 | 19♎49 | 14♒34 | 22° 4 | 1♎56 | 7°23 | 4°R22 | 2°52 | 14°23 | 26°38 | M 2 |
| T 3 | 17 4 33 | 16°26'23 | 19° 5 | 12°35 | 8°10 | 10°57 | 19°47 | 14°33 | 22° 5 | 1°56 | 7°24 | 4°21 | 2°48 | 14°30 | 26°44 | T 3 |
| W 4 | 17 8 29 | 17°23'35 | 2♊47 | 12° 4 | 9°20 | 11°35 | 19°46 | 14°31 | 22° 5 | 1°55 | 7°25 | 4°18 | 2°45 | 14°37 | 26°51 | W 4 |
| T 5 | 17 12 26 | 18°20'47 | 16°16 | 11°35 | 10°29 | 12°13 | 19°44 | 14°30 | 22° 6 | 1°55 | 7°27 | 4°13 | 2°42 | 14°44 | 26°57 | T 5 |
| F 6 | 17 16 22 | 19°17'59 | 29°30 | 11° 8 | 11°39 | 12°51 | 19°43 | 14°28 | 22° 6 | 1°55 | 7°28 | 4° 6 | 2°39 | 14°50 | 27° 3 | F 6 |
| S 7 | 17 20 19 | 20°15'10 | 12♋28 | 10°45 | 12°49 | 13°29 | 19°42 | 14°27 | 22° 7 | 1°55 | 7°29 | 3°59 | 2°36 | 14°57 | 27°10 | S 7 |
| S 8 | 17 24 16 | 21°12'21 | 25°10 | 10°26 | 13°58 | 14° 6 | 19°41 | 14°25 | 22° 8 | 1°D55 | 7°31 | 3°50 | 2°32 | 15° 4 | 27°16 | S 8 |
| M 9 | 17 28 12 | 22° 9'32 | 7♌35 | 10°10 | 15° 8 | 14°44 | 19°41 | 14°23 | 22° 8 | 1°55 | 7°32 | 3°43 | 2°29 | 15°10 | 27°23 | M 9 |
| T 10 | 17 32 9 | 23° 6'42 | 19°47 | 9°59 | 16°18 | 15°22 | 19°40 | 14°21 | 22° 9 | 1°55 | 7°33 | 3°36 | 2°26 | 15°17 | 27°29 | T 10 |
| W11 | 17 36 5 | 24° 3'52 | 1♍47 | 9°52 | 17°28 | 16° 0 | 19°40 | 14°19 | 22°10 | 1°55 | 7°35 | 3°32 | 2°23 | 15°24 | 27°36 | W11 |
| T 12 | 17 40 2 | 25° 1'02 | 13°41 | 9°D49 | 18°38 | 16°38 | 19°D40 | 14°17 | 22°11 | 1°55 | 7°36 | 3°29 | 2°20 | 15°30 | 27°42 | T 12 |
| F 13 | 17 43 58 | 25°58'11 | 25°31 | 9°52 | 19°48 | 17°16 | 19°40 | 14°15 | 22°12 | 1°56 | 7°38 | 3°D28 | 2°17 | 15°37 | 27°49 | F 13 |
| S 14 | 17 47 55 | 26°55'21 | 7♎24 | 9°59 | 20°58 | 17°54 | 19°41 | 14°13 | 22°13 | 1°56 | 7°39 | 3°29 | 2°13 | 15°44 | 27°56 | S 14 |
| S 15 | 17 51 52 | 27°52'30 | 19°25 | 10°12 | 22° 8 | 18°32 | 19°41 | 14°10 | 22°14 | 1°56 | 7°41 | 3°30 | 2°10 | 15°50 | 28° 2 | S 15 |
| M16 | 17 55 48 | 28°49'39 | 1♏38 | 10°29 | 23°18 | 19°10 | 19°42 | 14° 8 | 22°15 | 1°56 | 7°42 | 3°R31 | 2° 7 | 15°57 | 28° 9 | M16 |
| T 17 | 17 59 45 | 29°46'47 | 14° 9 | 10°52 | 24°29 | 19°48 | 19°43 | 14° 6 | 22°16 | 1°56 | 7°44 | 3°30 | 2° 4 | 16° 4 | 28°16 | T 17 |
| W18 | 18 3 41 | 0♋43'56 | 27° 0 | 11°20 | 25°39 | 20°26 | 19°44 | 14° 3 | 22°17 | 1°57 | 7°45 | 3°28 | 2° 1 | 16°11 | 28°23 | W18 |
| T 19 | 18 7 38 | 1°41'05 | 10♐13 | 11°53 | 26°50 | 21° 4 | 19°45 | 14° 0 | 22°19 | 1°57 | 7°47 | 3°23 | 1°58 | 16°17 | 28°30 | T 19 |
| F 20 | 18 11 34 | 2°38'14 | 23°50 | 12°30 | 28° 0 | 21°42 | 19°46 | 13°58 | 22°20 | 1°57 | 7°49 | 3°16 | 1°54 | 16°24 | 28°37 | F 20 |
| S 21 | 18 15 31 | 3°35'23 | 7♑47 | 13°13 | 29°11 | 22°20 | 19°48 | 13°55 | 22°21 | 1°58 | 7°50 | 3° 7 | 1°51 | 16°31 | 28°44 | S 21 |
| S 22 | 18 19 27 | 4°32'33 | 22° 1 | 14° 1 | 0♊21 | 22°58 | 19°50 | 13°52 | 22°23 | 1°58 | 7°52 | 2°58 | 1°48 | 16°37 | 28°51 | S 22 |
| M23 | 18 23 24 | 5°29'43 | 6♒26 | 14°54 | 1°32 | 23°35 | 19°51 | 13°49 | 22°24 | 1°59 | 7°54 | 2°49 | 1°45 | 16°44 | 28°58 | M23 |
| T 24 | 18 27 21 | 6°26'53 | 20°55 | 15°52 | 2°43 | 24°13 | 19°54 | 13°46 | 22°26 | 1°59 | 7°55 | 2°41 | 1°42 | 16°51 | 29° 5 | T 24 |
| W25 | 18 31 17 | 7°24'04 | 5♓24 | 16°54 | 3°54 | 24°51 | 19°56 | 13°43 | 22°27 | 2° 0 | 7°57 | 2°35 | 1°38 | 16°57 | 29°12 | W25 |
| T 26 | 18 35 14 | 8°21'16 | 19°46 | 18° 1 | 5° 5 | 25°29 | 19°58 | 13°40 | 22°29 | 2° 0 | 7°59 | 2°32 | 1°35 | 17° 4 | 29°19 | T 26 |
| F 27 | 18 39 10 | 9°18'28 | 4♈ 0 | 19°13 | 6°15 | 26° 7 | 20° 1 | 13°36 | 22°30 | 2° 1 | 8° 0 | 2°D30 | 1°32 | 17°11 | 29°26 | F 27 |
| S 28 | 18 43 7 | 10°15'41 | 18° 2 | 20°30 | 7°27 | 26°45 | 20° 4 | 13°33 | 22°32 | 2° 1 | 8° 2 | 2°30 | 1°29 | 17°17 | 29°33 | S 28 |
| S 29 | 18 47 3 | 11°12'55 | 1♉53 | 21°51 | 8°38 | 27°23 | 20° 7 | 13°30 | 22°34 | 2° 2 | 8° 4 | 2°R31 | 1°26 | 17°24 | 29°40 | S 29 |
| M30 | 18 51 0 | 12♋10'10 | 15♉33 | 23♊16 | 9♊49 | 28♋ 1 | 20♎10 | 13♒26 | 22♍36 | 2♎ 3 | 8♌ 5 | 2♉30 | 1♉23 | 17♍31 | 29♋48 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n40 | 7n14 | 1s11 | 18n54 | 3s42 | 11n32 | 2s 9 | 24n23 | 1n10 | 6s33 | 1n21 | 17s37 | 1s 7 | 3n51 | 0n45 | 0n46 | 1n41 | 27n27 | 9n15 | 13n 3 | 12n33 | 9n47 | 15n15 | 5s50 |
| M 2 | 22 47 | 13 25 | 0n 5 | 18 39 | 3 53 | 11 55 | 2 8 | 24 20 | 1 10 | 6 32 | 1 21 | 17 38 | 1 8 | 3 51 | 0 45 | 0 46 | 1 41 | 27 27 | 9 15 | 13 3 | 12 32 | 9 44 | 15 14 | 5 49 |
| T 3 | 22 53 | 18 52 | 1 19 | 18 25 | 4 3 | 12 18 | 2 7 | 24 17 | 1 10 | 6 32 | 1 21 | 17 39 | 1 8 | 3 50 | 0 45 | 0 46 | 1 41 | 27 26 | 9 14 | 13 2 | 12 31 | 9 41 | 15 13 | 5 49 |
| W 4 | 22 58 | 23 15 | 2 28 | 18 13 | 4 11 | 12 41 | 2 6 | 24 14 | 1 10 | 6 32 | 1 21 | 17 39 | 1 8 | 3 50 | 0 45 | 0 46 | 1 41 | 27 26 | 9 14 | 13 1 | 12 30 | 9 38 | 15 12 | 5 49 |
| T 5 | 23 4 | 26 17 | 3 27 | 18 3 | 4 18 | 13 4 | 2 5 | 24 11 | 1 10 | 6 31 | 1 20 | 17 40 | 1 8 | 3 50 | 0 44 | 0 46 | 1 41 | 27 25 | 9 14 | 13 0 | 12 29 | 9 34 | 15 11 | 5 48 |
| F 6 | 23 8 | 27 48 | 4 14 | 17 54 | 4 23 | 13 27 | 2 4 | 24 7 | 1 10 | 6 31 | 1 20 | 17 40 | 1 8 | 3 50 | 0 44 | 0 46 | 1 41 | 27 25 | 9 14 | 12 58 | 12 28 | 9 31 | 15 10 | 5 48 |
| S 7 | 23 13 | 27 44 | 4 46 | 17 47 | 4 27 | 13 49 | 2 3 | 24 3 | 1 10 | 6 31 | 1 20 | 17 41 | 1 9 | 3 49 | 0 44 | 0 46 | 1 41 | 27 24 | 9 14 | 12 55 | 12 27 | 9 28 | 15 10 | 5 48 |
| S 8 | 23 17 | 26 12 | 5 4 | 17 42 | 4 29 | 14 11 | 2 2 | 24 0 | 1 10 | 6 31 | 1 19 | 17 42 | 1 9 | 3 49 | 0 44 | 0 46 | 1 41 | 27 24 | 9 14 | 12 52 | 12 25 | 9 25 | 15 9 | 5 47 |
| M 9 | 23 21 | 23 25 | 5 7 | 17 39 | 4 30 | 14 33 | 2 1 | 23 55 | 1 11 | 6 31 | 1 19 | 17 42 | 1 9 | 3 49 | 0 44 | 0 46 | 1 41 | 27 23 | 9 14 | 12 50 | 12 24 | 9 22 | 15 8 | 5 47 |
| T 10 | 23 24 | 19 38 | 4 55 | 17 37 | 4 30 | 14 54 | 1 59 | 23 51 | 1 11 | 6 31 | 1 19 | 17 43 | 1 9 | 3 48 | 0 44 | 0 46 | 1 41 | 27 23 | 9 14 | 12 47 | 12 23 | 9 19 | 15 7 | 5 47 |
| W11 | 23 27 | 15 7 | 4 31 | 17 38 | 4 28 | 15 15 | 1 58 | 23 47 | 1 11 | 6 32 | 1 19 | 17 44 | 1 9 | 3 48 | 0 44 | 0 46 | 1 41 | 27 22 | 9 13 | 12 46 | 12 22 | 9 15 | 15 6 | 5 46 |
| T 12 | 23 29 | 10 4 | 3 55 | 17 41 | 4 25 | 15 36 | 1 57 | 23 42 | 1 11 | 6 32 | 1 18 | 17 45 | 1 9 | 3 48 | 0 44 | 0 46 | 1 41 | 27 22 | 9 13 | 12 45 | 12 21 | 9 12 | 15 5 | 5 46 |
| F 13 | 23 31 | 4 41 | 3 10 | 17 45 | 4 21 | 15 56 | 1 55 | 23 37 | 1 11 | 6 32 | 1 18 | 17 45 | 1 10 | 3 47 | 0 44 | 0 46 | 1 41 | 27 21 | 9 13 | 12 45 | 12 20 | 9 9 | 15 4 | 5 46 |
| S 14 | 23 32 | 0s53 | 2 16 | 17 52 | 4 15 | 16 17 | 1 53 | 23 32 | 1 11 | 6 32 | 1 18 | 17 46 | 1 10 | 3 47 | 0 44 | 0 46 | 1 40 | 27 21 | 9 13 | 12 45 | 12 19 | 9 6 | 15 3 | 5 46 |
| S 15 | 23 34 | 6 29 | 1 15 | 18 0 | 4 9 | 16 36 | 1 52 | 23 27 | 1 11 | 6 33 | 1 17 | 17 47 | 1 10 | 3 46 | 0 44 | 0 46 | 1 40 | 27 20 | 9 13 | 12 45 | 12 18 | 9 3 | 15 2 | 5 45 |
| M16 | 23 34 | 11 57 | 0 10 | 18 10 | 4 2 | 16 56 | 1 50 | 23 22 | 1 11 | 6 33 | 1 17 | 17 48 | 1 10 | 3 46 | 0 44 | 0 46 | 1 40 | 27 20 | 9 13 | 12 45 | 12 17 | 8 59 | 15 1 | 5 45 |
| T 17 | 23 35 | 17 5 | 0s57 | 18 21 | 3 53 | 17 15 | 1 48 | 23 16 | 1 11 | 6 34 | 1 17 | 17 49 | 1 10 | 3 45 | 0 44 | 0 45 | 1 40 | 27 19 | 9 13 | 12 45 | 12 16 | 8 56 | 15 0 | 5 45 |
| W18 | 23 34 | 21 35 | 2 2 | 18 34 | 3 44 | 17 34 | 1 46 | 23 11 | 1 11 | 6 35 | 1 17 | 17 50 | 1 10 | 3 45 | 0 44 | 0 45 | 1 40 | 27 19 | 9 13 | 12 44 | 12 14 | 8 53 | 14 59 | 5 45 |
| T 19 | 23 34 | 25 8 | 3 3 | 18 48 | 3 34 | 17 52 | 1 44 | 23 5 | 1 11 | 6 35 | 1 16 | 17 51 | 1 11 | 3 44 | 0 44 | 0 45 | 1 40 | 27 18 | 9 13 | 12 43 | 12 13 | 8 50 | 14 57 | 5 44 |
| F 20 | 23 33 | 27 21 | 3 55 | 19 4 | 3 24 | 18 10 | 1 42 | 22 59 | 1 11 | 6 36 | 1 16 | 17 52 | 1 11 | 3 44 | 0 44 | 0 45 | 1 40 | 27 18 | 9 13 | 12 40 | 12 12 | 8 47 | 14 56 | 5 44 |
| S 21 | 23 32 | 27 55 | 4 35 | 19 20 | 3 12 | 18 27 | 1 40 | 22 53 | 1 11 | 6 37 | 1 16 | 17 53 | 1 11 | 3 43 | 0 44 | 0 45 | 1 40 | 27 17 | 9 13 | 12 37 | 12 11 | 8 44 | 14 55 | 5 44 |
| S 22 | 23 30 | 26 40 | 4 58 | 19 37 | 3 1 | 18 44 | 1 38 | 22 46 | 1 11 | 6 38 | 1 15 | 17 54 | 1 11 | 3 43 | 0 44 | 0 44 | 1 40 | 27 17 | 9 12 | 12 34 | 12 10 | 8 40 | 14 54 | 5 44 |
| M23 | 23 28 | 23 39 | 5 3 | 19 56 | 2 48 | 19 1 | 1 36 | 22 40 | 1 11 | 6 39 | 1 15 | 17 55 | 1 11 | 3 42 | 0 44 | 0 44 | 1 40 | 27 16 | 9 12 | 12 31 | 12 9 | 8 37 | 14 53 | 5 43 |
| T 24 | 23 25 | 19 9 | 4 48 | 20 14 | 2 36 | 19 17 | 1 34 | 22 33 | 1 11 | 6 40 | 1 15 | 17 56 | 1 11 | 3 41 | 0 44 | 0 44 | 1 40 | 27 16 | 9 12 | 12 28 | 12 8 | 8 34 | 14 52 | 5 43 |
| W25 | 23 22 | 13 32 | 4 16 | 20 33 | 2 23 | 19 33 | 1 32 | 22 26 | 1 11 | 6 41 | 1 15 | 17 57 | 1 12 | 3 41 | 0 44 | 0 44 | 1 40 | 27 15 | 9 12 | 12 26 | 12 7 | 8 31 | 14 50 | 5 43 |
| T 26 | 23 19 | 7 14 | 3 27 | 20 53 | 2 10 | 19 48 | 1 29 | 22 19 | 1 11 | 6 42 | 1 14 | 17 58 | 1 12 | 3 40 | 0 44 | 0 43 | 1 40 | 27 15 | 9 12 | 12 25 | 12 6 | 8 28 | 14 49 | 5 43 |
| F 27 | 23 15 | 0 38 | 2 26 | 21 12 | 1 56 | 20 3 | 1 27 | 22 12 | 1 11 | 6 44 | 1 14 | 17 59 | 1 12 | 3 39 | 0 44 | 0 43 | 1 40 | 27 14 | 9 12 | 12 25 | 12 4 | 8 24 | 14 48 | 5 43 |
| S 28 | 23 11 | 5n56 | 1 16 | 21 32 | 1 43 | 20 17 | 1 25 | 22 5 | 1 11 | 6 45 | 1 14 | 18 0 | 1 12 | 3 39 | 0 44 | 0 43 | 1 40 | 27 14 | 9 12 | 12 25 | 12 3 | 8 21 | 14 47 | 5 43 |
| S 29 | 23 6 | 12 9 | 0 3 | 21 51 | 1 29 | 20 31 | 1 22 | 21 57 | 1 11 | 6 46 | 1 13 | 18 1 | 1 12 | 3 38 | 0 43 | 0 43 | 1 40 | 27 13 | 9 12 | 12 25 | 12 2 | 8 18 | 14 45 | 5 42 |
| M30 | 23n 1 | 17n41 | 1n 9 | 22n 9 | 1s15 | 20n44 | 1s20 | 21n50 | 1n11 | 6s48 | 1n13 | 18s 2 | 1s12 | 3n37 | 0n43 | 0n42 | 1n40 | 27n13 | 9n12 | 12n25 | 12n 1 | 8n15 | 14n44 | 5s42 |

Julian Day Number = 2072579.5, Delta T = 27m41s
Ecliptic obliquity = 23°34'32, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'47, Lahiri = 9°23'48 Julian Calendar 1 June 962 == Greg. Calendar 6 June 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## JULY 962 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 54 56 | 13♋ 7'26 | 29♉ 2 | 24♊46 | 11♊ 0 | 28♋39 | 20♎13 | 13°R23 | 22♍37 | 2♎ 4 | 8♏ 7 | 2°R28 | 1♉19 | 17♍37 | 29♋55 | T 1 |
| W 2 | 18 58 53 | 14° 4'43 | 12♊20 | 26°19 | 12°11 | 29°17 | 20°16 | 13♒19 | 22°39 | 2° 4 | 8° 9 | 2♉22 | 1°16 | 17°44 | 0♏ 2 | W 2 |
| T 3 | 19 2 50 | 15° 2'00 | 25°26 | 27°57 | 13°23 | 29°55 | 20°20 | 13°15 | 22°41 | 2° 5 | 8°11 | 2°14 | 1°13 | 17°51 | 0°10 | T 3 |
| F 4 | 19 6 46 | 15°59'18 | 8♋21 | 29°39 | 14°34 | 0♏33 | 20°24 | 13°12 | 22°43 | 2° 6 | 8°12 | 2° 4 | 1°10 | 17°57 | 0°17 | F 4 |
| S 5 | 19 10 43 | 16°56'37 | 21° 3 | 1♋24 | 15°45 | 1°11 | 20°28 | 13° 8 | 22°45 | 2° 7 | 8°14 | 1°52 | 1° 7 | 18° 4 | 0°24 | S 5 |
| S 6 | 19 14 39 | 17°53'57 | 3♏33 | 3°12 | 16°57 | 1°49 | 20°32 | 13° 4 | 22°47 | 2° 8 | 8°16 | 1°39 | 1° 4 | 18°11 | 0°32 | S 6 |
| M 7 | 19 18 36 | 18°51'17 | 15°50 | 5° 4 | 18° 9 | 2°27 | 20°36 | 13° 0 | 22°49 | 2° 8 | 8°18 | 1°27 | 1° 0 | 18°18 | 0°39 | M 7 |
| T 8 | 19 22 32 | 19°48'38 | 27°56 | 6°58 | 19°20 | 3° 5 | 20°41 | 12°56 | 22°52 | 2° 9 | 8°20 | 1°16 | 0°57 | 18°24 | 0°46 | T 8 |
| W 9 | 19 26 29 | 20°46'00 | 9♍53 | 8°55 | 20°32 | 3°43 | 20°45 | 12°52 | 22°54 | 2°10 | 8°21 | 1° 8 | 0°54 | 18°31 | 0°54 | W 9 |
| T 10 | 19 30 25 | 21°43'22 | 21°44 | 10°54 | 21°44 | 4°21 | 20°50 | 12°48 | 22°56 | 2°11 | 8°23 | 1° 2 | 0°51 | 18°38 | 1° 1 | T 10 |
| F 11 | 19 34 22 | 22°40'45 | 3♎33 | 12°55 | 22°55 | 4°59 | 20°55 | 12°44 | 22°58 | 2°12 | 8°25 | 0°59 | 0°48 | 18°44 | 1° 8 | F 11 |
| S 12 | 19 38 19 | 23°38'08 | 15°24 | 14°57 | 24° 7 | 5°37 | 21° 0 | 12°40 | 23° 1 | 2°13 | 8°27 | 0°58 | 0°44 | 18°51 | 1°16 | S 12 |
| S 13 | 19 42 15 | 24°35'32 | 27°23 | 17° 0 | 25°19 | 6°15 | 21° 5 | 12°36 | 23° 3 | 2°14 | 8°29 | 0°58 | 0°41 | 18°58 | 1°23 | S 13 |
| M14 | 19 46 12 | 25°32'57 | 9♏35 | 19° 4 | 26°31 | 6°53 | 21°10 | 12°32 | 23° 5 | 2°16 | 8°31 | 0°57 | 0°38 | 19° 4 | 1°31 | M14 |
| T 15 | 19 50 8 | 26°30'23 | 22° 6 | 21° 9 | 27°43 | 7°31 | 21°16 | 12°27 | 23° 8 | 2°17 | 8°32 | 0°56 | 0°35 | 19°11 | 1°38 | T 15 |
| W16 | 19 54 5 | 27°27'50 | 5♐ 0 | 23°14 | 28°55 | 8° 9 | 21°22 | 12°23 | 23°10 | 2°18 | 8°34 | 0°53 | 0°32 | 19°18 | 1°46 | W16 |
| T 17 | 19 58 1 | 28°25'17 | 18°20 | 25°19 | 0♋ 7 | 8°47 | 21°28 | 12°19 | 23°13 | 2°19 | 8°36 | 0°48 | 0°29 | 19°24 | 1°53 | T 17 |
| F 18 | 20 1 58 | 29°22'46 | 2♑ 7 | 27°23 | 1°19 | 9°25 | 21°33 | 12°14 | 23°15 | 2°20 | 8°38 | 0°39 | 0°25 | 19°31 | 2° 1 | F 18 |
| S 19 | 20 5 55 | 0♏20'15 | 16°20 | 29°27 | 2°32 | 10° 3 | 21°40 | 12°10 | 23°18 | 2°21 | 8°40 | 0°29 | 0°22 | 19°38 | 2° 8 | S 19 |
| S 20 | 20 9 51 | 1°17'46 | 0♒55 | 1♏30 | 3°44 | 10°41 | 21°46 | 12° 6 | 23°21 | 2°23 | 8°42 | 0°18 | 0°19 | 19°44 | 2°16 | S 20 |
| M21 | 20 13 48 | 2°15'17 | 15°44 | 3°32 | 4°56 | 11°19 | 21°52 | 12° 1 | 23°23 | 2°24 | 8°44 | 0° 7 | 0°16 | 19°51 | 2°23 | M21 |
| T 22 | 20 17 44 | 3°12'50 | 0♓38 | 5°33 | 6° 9 | 11°57 | 21°59 | 11°57 | 23°26 | 2°25 | 8°46 | 29♈57 | 0°13 | 19°58 | 2°31 | T 22 |
| W23 | 20 21 41 | 4°10'24 | 15°29 | 7°33 | 7°21 | 12°35 | 22° 5 | 11°52 | 23°29 | 2°27 | 8°48 | 29°50 | 0°10 | 20° 4 | 2°38 | W23 |
| T 24 | 20 25 37 | 5° 8'00 | 0♈10 | 9°32 | 8°34 | 13°13 | 22°12 | 11°48 | 23°32 | 2°28 | 8°49 | 29°45 | 0° 6 | 20°11 | 2°46 | T 24 |
| F 25 | 20 29 34 | 6° 5'37 | 14°35 | 11°29 | 9°46 | 13°52 | 22°19 | 11°43 | 23°34 | 2°29 | 8°51 | 29°43 | 0° 3 | 20°18 | 2°53 | F 25 |
| S 26 | 20 33 30 | 7° 3'16 | 28°42 | 13°26 | 10°59 | 14°30 | 22°26 | 11°39 | 23°37 | 2°31 | 8°53 | 29°43 | 0° 0 | 20°24 | 3° 1 | S 26 |
| S 27 | 20 37 27 | 8° 0'56 | 12♉30 | 15°20 | 12°11 | 15° 8 | 22°33 | 11°34 | 23°40 | 2°32 | 8°55 | 29°43 | 29♈57 | 20°31 | 3° 8 | S 27 |
| M28 | 20 41 24 | 8°58'38 | 26° 0 | 17°14 | 13°24 | 15°46 | 22°41 | 11°30 | 23°43 | 2°34 | 8°57 | 29°42 | 29°54 | 20°38 | 3°16 | M28 |
| T 29 | 20 45 20 | 9°56'22 | 9♊15 | 19° 6 | 14°37 | 16°24 | 22°48 | 11°25 | 23°46 | 2°35 | 8°59 | 29°39 | 29°50 | 20°44 | 3°23 | T 29 |
| W30 | 20 49 17 | 10°54'08 | 22°15 | 20°57 | 15°50 | 17° 2 | 22°56 | 11°21 | 23°49 | 2°37 | 9° 1 | 29°34 | 29°47 | 20°51 | 3°31 | W30 |
| T 31 | 20 53 13 | 11♏51'55 | 5♋ 3 | 22♏46 | 17♋ 3 | 17♏40 | 23♎ 4 | 11♒16 | 23♍52 | 2♎38 | 9♏ 3 | 29♈26 | 29♈44 | 20♍58 | 3♏38 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n55 | 22n16 | 2n16 | 22n27 | 1s 2 | 20n57 | 1s17 | 21n42 | 1n11 | 6s49 | 1n13 | 18s 3 | 1s13 | 3n36 | 0n43 | 0n42 | 1n40 | 27n12 | 9n12 | 12n24 | 12n 0 | 8n11 | 14n43 | 5s42 |
| W 2 | 22 50 | 25 37 | 3 14 | 22 43 | 0 48 | 21 9 | 1 15 | 21 34 | 1 11 | 6 51 | 1 13 | 18 5 | 1 13 | 3 36 | 0 43 | 0 42 | 1 40 | 27 12 | 9 12 | 12 22 | 11 59 | 8 8 | 14 41 | 5 42 |
| T 3 | 22 43 | 27 31 | 4 2 | 22 59 | 0 35 | 21 21 | 1 12 | 21 26 | 1 11 | 6 52 | 1 12 | 18 6 | 1 13 | 3 35 | 0 43 | 0 41 | 1 40 | 27 11 | 9 12 | 12 19 | 11 58 | 8 5 | 14 40 | 5 42 |
| F 4 | 22 37 | 27 54 | 4 36 | 23 13 | 0 22 | 21 32 | 1 9 | 21 18 | 1 11 | 6 54 | 1 12 | 18 7 | 1 13 | 3 34 | 0 43 | 0 41 | 1 39 | 27 11 | 9 12 | 12 16 | 11 57 | 8 2 | 14 38 | 5 42 |
| S 5 | 22 30 | 26 47 | 4 55 | 23 25 | 0 9 | 21 42 | 1 7 | 21 9 | 1 10 | 6 56 | 1 12 | 18 8 | 1 13 | 3 33 | 0 43 | 0 40 | 1 39 | 27 10 | 9 12 | 12 11 | 11 56 | 7 59 | 14 37 | 5 41 |
| S 6 | 22 22 | 24 20 | 5 1 | 23 35 | 0n 3 | 21 52 | 1 4 | 21 1 | 1 10 | 6 58 | 1 12 | 18 10 | 1 13 | 3 32 | 0 43 | 0 40 | 1 39 | 27 10 | 9 12 | 12 7 | 11 55 | 7 55 | 14 36 | 5 41 |
| M 7 | 22 14 | 20 49 | 4 51 | 23 43 | 0 15 | 22 1 | 1 1 | 20 52 | 1 10 | 6 59 | 1 11 | 18 11 | 1 13 | 3 31 | 0 43 | 0 40 | 1 39 | 27 9 | 9 12 | 12 3 | 11 53 | 7 52 | 14 34 | 5 41 |
| T 8 | 22 6 | 16 28 | 4 29 | 23 49 | 0 26 | 22 10 | 0 59 | 20 43 | 1 10 | 7 1 | 1 11 | 18 12 | 1 14 | 3 31 | 0 43 | 0 39 | 1 39 | 27 9 | 9 12 | 11 59 | 11 52 | 7 49 | 14 33 | 5 41 |
| W 9 | 21 58 | 11 32 | 3 55 | 23 53 | 0 37 | 22 18 | 0 56 | 20 34 | 1 10 | 7 3 | 1 11 | 18 13 | 1 14 | 3 30 | 0 43 | 0 39 | 1 39 | 27 8 | 9 12 | 11 56 | 11 51 | 7 46 | 14 31 | 5 41 |
| T 10 | 21 49 | 6 14 | 3 12 | 23 54 | 0 47 | 22 26 | 0 53 | 20 25 | 1 10 | 7 5 | 1 11 | 18 15 | 1 14 | 3 29 | 0 43 | 0 38 | 1 39 | 27 8 | 9 12 | 11 54 | 11 50 | 7 42 | 14 30 | 5 41 |
| F 11 | 21 39 | 0 43 | 2 20 | 23 52 | 0 56 | 22 33 | 0 50 | 20 16 | 1 10 | 7 7 | 1 10 | 18 16 | 1 14 | 3 28 | 0 43 | 0 38 | 1 39 | 27 7 | 9 12 | 11 53 | 11 49 | 7 39 | 14 28 | 5 41 |
| S 12 | 21 30 | 4s51 | 1 21 | 23 48 | 1 4 | 22 39 | 0 48 | 20 6 | 1 10 | 7 10 | 1 10 | 18 17 | 1 14 | 3 27 | 0 43 | 0 38 | 1 39 | 27 7 | 9 12 | 11 52 | 11 48 | 7 36 | 14 27 | 5 41 |
| S 13 | 21 20 | 10 18 | 0 19 | 23 41 | 1 12 | 22 45 | 0 45 | 19 57 | 1 10 | 7 12 | 1 10 | 18 18 | 1 14 | 3 26 | 0 43 | 0 37 | 1 39 | 27 6 | 9 12 | 11 52 | 11 47 | 7 33 | 14 25 | 5 41 |
| M14 | 21 9 | 15 29 | 0s46 | 23 31 | 1 19 | 22 50 | 0 42 | 19 47 | 1 10 | 7 14 | 1 9 | 18 20 | 1 14 | 3 25 | 0 43 | 0 37 | 1 39 | 27 6 | 9 12 | 11 52 | 11 46 | 7 29 | 14 24 | 5 41 |
| T 15 | 20 58 | 20 9 | 1 49 | 23 18 | 1 25 | 22 54 | 0 39 | 19 37 | 1 10 | 7 16 | 1 9 | 18 21 | 1 14 | 3 24 | 0 43 | 0 36 | 1 39 | 27 5 | 9 12 | 11 52 | 11 44 | 7 26 | 14 22 | 5 41 |
| W16 | 20 47 | 24 2 | 2 50 | 23 3 | 1 31 | 22 58 | 0 36 | 19 27 | 1 10 | 7 19 | 1 9 | 18 22 | 1 15 | 3 23 | 0 43 | 0 36 | 1 39 | 27 5 | 9 12 | 11 51 | 11 43 | 7 23 | 14 21 | 5 41 |
| T 17 | 20 36 | 26 45 | 3 43 | 22 45 | 1 35 | 23 1 | 0 33 | 19 17 | 1 10 | 7 21 | 1 9 | 18 24 | 1 15 | 3 22 | 0 43 | 0 35 | 1 39 | 27 4 | 9 12 | 11 49 | 11 42 | 7 20 | 14 19 | 5 41 |
| F 18 | 20 24 | 27 58 | 4 24 | 22 25 | 1 39 | 23 4 | 0 31 | 19 7 | 1 10 | 7 24 | 1 8 | 18 25 | 1 15 | 3 21 | 0 43 | 0 35 | 1 39 | 27 4 | 9 12 | 11 46 | 11 41 | 7 16 | 14 17 | 5 41 |
| S 19 | 20 12 | 27 23 | 4 51 | 22 3 | 1 42 | 23 5 | 0 28 | 18 57 | 1 10 | 7 26 | 1 8 | 18 26 | 1 15 | 3 20 | 0 43 | 0 34 | 1 39 | 27 3 | 9 12 | 11 42 | 11 40 | 7 13 | 14 16 | 5 41 |
| S 20 | 19 59 | 24 57 | 5 0 | 21 38 | 1 44 | 23 6 | 0 25 | 18 46 | 1 10 | 7 29 | 1 8 | 18 28 | 1 15 | 3 19 | 0 43 | 0 33 | 1 39 | 27 3 | 9 12 | 11 38 | 11 39 | 7 10 | 14 14 | 5 41 |
| M21 | 19 46 | 20 49 | 4 49 | 21 11 | 1 46 | 23 7 | 0 22 | 18 36 | 1 10 | 7 31 | 1 8 | 18 29 | 1 15 | 3 18 | 0 43 | 0 33 | 1 39 | 27 2 | 9 12 | 11 35 | 11 38 | 7 7 | 14 12 | 5 41 |
| T 22 | 19 33 | 15 20 | 4 19 | 20 43 | 1 47 | 23 7 | 0 19 | 18 25 | 1 9 | 7 34 | 1 7 | 18 30 | 1 15 | 3 16 | 0 43 | 0 32 | 1 39 | 27 2 | 9 12 | 11 31 | 11 37 | 7 3 | 14 11 | 5 41 |
| W23 | 19 19 | 8 59 | 3 31 | 20 12 | 1 47 | 23 6 | 0 16 | 18 14 | 1 9 | 7 37 | 1 7 | 18 32 | 1 15 | 3 15 | 0 43 | 0 32 | 1 39 | 27 1 | 9 12 | 11 29 | 11 36 | 7 0 | 14 9 | 5 41 |
| T 24 | 19 6 | 2 13 | 2 29 | 19 40 | 1 46 | 23 4 | 0 14 | 18 3 | 1 9 | 7 40 | 1 7 | 18 33 | 1 15 | 3 14 | 0 43 | 0 31 | 1 39 | 27 1 | 9 12 | 11 27 | 11 34 | 6 57 | 14 7 | 5 41 |
| F 25 | 18 51 | 4n34 | 1 19 | 19 7 | 1 45 | 23 2 | 0 11 | 17 52 | 1 9 | 7 42 | 1 7 | 18 35 | 1 15 | 3 13 | 0 43 | 0 31 | 1 39 | 27 0 | 9 12 | 11 26 | 11 33 | 6 54 | 14 6 | 5 41 |
| S 26 | 18 37 | 10 59 | 0 5 | 18 32 | 1 43 | 22 59 | 0 8 | 17 41 | 1 9 | 7 45 | 1 6 | 18 36 | 1 16 | 3 12 | 0 43 | 0 30 | 1 39 | 27 0 | 9 12 | 11 26 | 11 32 | 6 50 | 14 4 | 5 41 |
| S 27 | 18 22 | 16 45 | 1n 7 | 17 56 | 1 41 | 22 56 | 0 5 | 17 29 | 1 9 | 7 48 | 1 6 | 18 37 | 1 16 | 3 11 | 0 43 | 0 29 | 1 38 | 26 59 | 9 12 | 11 26 | 11 31 | 6 47 | 14 2 | 5 41 |
| M28 | 18 7 | 21 32 | 2 14 | 17 19 | 1 38 | 22 52 | 0 2 | 17 18 | 1 9 | 7 51 | 1 6 | 18 39 | 1 16 | 3 9 | 0 42 | 0 29 | 1 38 | 26 59 | 9 12 | 11 26 | 11 30 | 6 44 | 14 1 | 5 41 |
| T 29 | 17 51 | 25 8 | 3 13 | 16 41 | 1 35 | 22 47 | 0n 0 | 17 6 | 1 9 | 7 54 | 1 6 | 18 40 | 1 16 | 3 8 | 0 42 | 0 28 | 1 38 | 26 58 | 9 13 | 11 25 | 11 29 | 6 40 | 13 59 | 5 41 |
| W30 | 17 36 | 27 21 | 4 0 | 16 2 | 1 31 | 22 41 | 0 3 | 16 54 | 1 9 | 7 57 | 1 6 | 18 41 | 1 16 | 3 7 | 0 42 | 0 27 | 1 38 | 26 58 | 9 13 | 11 23 | 11 28 | 6 37 | 13 57 | 5 41 |
| T 31 | 17n20 | 28n 3 | 4n34 | 15n23 | 1n27 | 22n35 | 0n 6 | 16n43 | 1n 9 | 8s 0 | 1n 5 | 18s43 | 1s16 | 3n 6 | 0n42 | 0n27 | 1n38 | 26n57 | 9n13 | 11n20 | 11n27 | 6n34 | 13n55 | 5s41 |

Julian Day Number = 2072609.5, Delta T = 27m40s
Ecliptic obliquity = 23°34'32, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'52, Lahiri = 9°23'52 Julian Calendar 1 July 962 == Greg. Calendar 6 July 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## AUGUST 962 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 57 10 | 12♌49'44 | 17♋39 | 24♌34 | 18♋16 | 18♌19 | 23♎11 | 11°R12 | 23♍55 | 2♎40 | 9♌ 5 | 29°R15 | 29♈41 | 21♍ 5 | 3♌46 | F 1 |
| S 2 | 21 1 6 | 13°47'35 | 0♌ 5 | 26°21 | 19°29 | 18°57 | 23°19 | 11♒ 7 | 23°58 | 2°42 | 9° 7 | 29♈ 3 | 29°38 | 21°11 | 3°53 | S 2 |
| S 3 | 21 5 3 | 14°45'27 | 12°21 | 28° 6 | 20°42 | 19°35 | 23°28 | 11° 3 | 24° 1 | 2°43 | 9° 8 | 28°50 | 29°35 | 21°18 | 4° 1 | S 3 |
| M 4 | 21 8 59 | 15°43'20 | 24°28 | 29°50 | 21°55 | 20°13 | 23°36 | 10°58 | 24° 4 | 2°45 | 9°10 | 28°37 | 29°31 | 21°25 | 4° 8 | M 4 |
| T 5 | 21 12 56 | 16°41'15 | 6♍27 | 1♍32 | 23° 8 | 20°51 | 23°44 | 10°54 | 24° 8 | 2°46 | 9°12 | 28°26 | 29°28 | 21°31 | 4°16 | T 5 |
| W 6 | 21 16 53 | 17°39'12 | 18°19 | 3°13 | 24°21 | 21°30 | 23°53 | 10°49 | 24°11 | 2°48 | 9°14 | 28°17 | 29°25 | 21°38 | 4°23 | W 6 |
| T 7 | 21 20 49 | 18°37'10 | 0♎ 7 | 4°53 | 25°34 | 22° 8 | 24° 1 | 10°45 | 24°14 | 2°50 | 9°16 | 28°11 | 29°22 | 21°45 | 4°30 | T 7 |
| F 8 | 21 24 46 | 19°35'09 | 11°54 | 6°31 | 26°48 | 22°46 | 24°10 | 10°40 | 24°17 | 2°52 | 9°18 | 28° 7 | 29°19 | 21°51 | 4°38 | F 8 |
| S 9 | 21 28 42 | 20°33'10 | 23°44 | 8° 9 | 28° 1 | 23°25 | 24°19 | 10°36 | 24°20 | 2°53 | 9°20 | 28°D 6 | 29°16 | 21°58 | 4°45 | S 9 |
| S 10 | 21 32 39 | 21°31'12 | 5♏42 | 9°45 | 29°14 | 24° 3 | 24°28 | 10°32 | 24°24 | 2°55 | 9°22 | 28° 6 | 29°12 | 22° 5 | 4°53 | S 10 |
| M11 | 21 36 35 | 22°29'16 | 17°52 | 11°19 | 0♌28 | 24°41 | 24°37 | 10°27 | 24°27 | 2°57 | 9°23 | 28°R 7 | 29° 9 | 22°11 | 5° 0 | M11 |
| T 12 | 21 40 32 | 23°27'21 | 0♐20 | 12°53 | 1°41 | 25°19 | 24°46 | 10°23 | 24°30 | 2°59 | 9°25 | 28° 7 | 29° 6 | 22°18 | 5° 7 | T 12 |
| W13 | 21 44 28 | 24°25'28 | 13°11 | 14°25 | 2°55 | 25°58 | 24°55 | 10°18 | 24°34 | 3° 1 | 9°27 | 28° 5 | 29° 3 | 22°25 | 5°15 | W13 |
| T 14 | 21 48 25 | 25°23'36 | 26°29 | 15°55 | 4° 8 | 26°36 | 25° 4 | 10°14 | 24°37 | 3° 2 | 9°29 | 28° 1 | 29° 0 | 22°31 | 5°22 | T 14 |
| F 15 | 21 52 22 | 26°21'46 | 10♑16 | 17°25 | 5°22 | 27°15 | 25°14 | 10°10 | 24°41 | 3° 4 | 9°31 | 27°55 | 28°56 | 22°38 | 5°29 | F 15 |
| S 16 | 21 56 18 | 27°19'58 | 24°32 | 18°53 | 6°36 | 27°53 | 25°23 | 10° 6 | 24°44 | 3° 6 | 9°33 | 27°47 | 28°53 | 22°45 | 5°36 | S 16 |
| S 17 | 22 0 15 | 28°18'11 | 9♒14 | 20°20 | 7°49 | 28°31 | 25°33 | 10° 1 | 24°48 | 3° 8 | 9°35 | 27°38 | 28°50 | 22°51 | 5°44 | S 17 |
| M18 | 22 4 11 | 29°16'25 | 24°16 | 21°46 | 9° 3 | 29°10 | 25°43 | 9°57 | 24°51 | 3°10 | 9°36 | 27°29 | 28°47 | 22°58 | 5°51 | M18 |
| T 19 | 22 8 8 | 0♍14'42 | 9♓27 | 23°10 | 10°17 | 29°48 | 25°53 | 9°53 | 24°55 | 3°12 | 9°38 | 27°22 | 28°44 | 23° 5 | 5°58 | T 19 |
| W20 | 22 12 4 | 1°13'00 | 24°37 | 24°33 | 11°31 | 0♍27 | 26° 3 | 9°49 | 24°58 | 3°14 | 9°40 | 27°16 | 28°41 | 23°11 | 6° 5 | W20 |
| T 21 | 22 16 1 | 2°11'20 | 9♈37 | 25°55 | 12°44 | 1° 5 | 26°13 | 9°45 | 25° 2 | 3°16 | 9°42 | 27°12 | 28°37 | 23°18 | 6°12 | T 21 |
| F 22 | 22 19 57 | 3° 9'43 | 24°19 | 27°15 | 13°58 | 1°43 | 26°23 | 9°41 | 25° 5 | 3°18 | 9°44 | 27°D11 | 28°34 | 23°25 | 6°19 | F 22 |
| S 23 | 22 23 54 | 4° 8'07 | 8♉38 | 28°34 | 15°12 | 2°22 | 26°33 | 9°37 | 25° 9 | 3°20 | 9°45 | 27°12 | 28°31 | 23°31 | 6°26 | S 23 |
| S 24 | 22 27 50 | 5° 6'34 | 22°34 | 29°51 | 16°26 | 3° 0 | 26°43 | 9°33 | 25°12 | 3°22 | 9°47 | 27°13 | 28°28 | 23°38 | 6°33 | S 24 |
| M25 | 22 31 47 | 6° 5'03 | 6♊ 6 | 1♎ 7 | 17°40 | 3°39 | 26°54 | 9°30 | 25°16 | 3°24 | 9°49 | 27°R13 | 28°25 | 23°45 | 6°40 | M25 |
| T 26 | 22 35 44 | 7° 3'34 | 19°16 | 2°21 | 18°55 | 4°17 | 27° 4 | 9°26 | 25°20 | 3°26 | 9°51 | 27°12 | 28°22 | 23°51 | 6°47 | T 26 |
| W27 | 22 39 40 | 8° 2'08 | 2♋ 8 | 3°34 | 20° 9 | 4°56 | 27°15 | 9°22 | 25°23 | 3°28 | 9°52 | 27°10 | 28°18 | 23°58 | 6°54 | W27 |
| T 28 | 22 43 37 | 9° 0'44 | 14°44 | 4°44 | 21°23 | 5°35 | 27°26 | 9°18 | 25°27 | 3°30 | 9°54 | 27° 5 | 28°15 | 24° 5 | 7° 1 | T 28 |
| F 29 | 22 47 33 | 9°59'22 | 27° 7 | 5°53 | 22°37 | 6°13 | 27°36 | 9°15 | 25°31 | 3°32 | 9°56 | 26°58 | 28°12 | 24°11 | 7° 8 | F 29 |
| S 30 | 22 51 30 | 10°58'02 | 9♌20 | 7° 0 | 23°51 | 6°52 | 27°47 | 9°11 | 25°34 | 3°34 | 9°57 | 26°50 | 28° 9 | 24°18 | 7°15 | S 30 |
| S 31 | 22 55 26 | 11♍56'44 | 21♌24 | 8♎ 4 | 25♌ 6 | 7♍30 | 27♎58 | 9♒ 8 | 25♍38 | 3♎36 | 9♌59 | 26♈41 | 28♈ 6 | 24♍25 | 7♌21 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n 3 | 27n16 | 4n55 | 14n43 | 1n23 | 22n28 | 0n 9 | 16n31 | 1n 8 | 8s 3 | 1n 5 | 18s44 | 1s16 | 3n 5 | 0n42 | 0n26 | 1n38 | 26n57 | 9n13 | 11n16 | 11n25 | 6n31 | 13n54 | 5s41 |
| S 2 | 16 47 | 25 8 | 5 1 | 14 2 | 1 18 | 22 20 | 0 11 | 16 19 | 1 8 | 8 6 | 1 5 | 18 45 | 1 16 | 3 3 | 0 42 | 0 25 | 1 38 | 26 57 | 9 13 | 11 12 | 11 24 | 6 27 | 13 52 | 5 41 |
| S 3 | 16 30 | 21 52 | 4 53 | 13 20 | 1 13 | 22 12 | 0 14 | 16 6 | 1 8 | 8 10 | 1 5 | 18 47 | 1 16 | 3 2 | 0 42 | 0 25 | 1 38 | 26 56 | 9 13 | 11 7 | 11 23 | 6 24 | 13 50 | 5 41 |
| M 4 | 16 13 | 17 42 | 4 31 | 12 39 | 1 7 | 22 3 | 0 17 | 15 54 | 1 8 | 8 13 | 1 4 | 18 48 | 1 16 | 3 1 | 0 42 | 0 24 | 1 38 | 26 56 | 9 13 | 11 3 | 11 22 | 6 21 | 13 48 | 5 41 |
| T 5 | 15 55 | 12 53 | 3 58 | 11 57 | 1 1 | 21 54 | 0 19 | 15 42 | 1 8 | 8 16 | 1 4 | 18 49 | 1 16 | 3 0 | 0 42 | 0 23 | 1 38 | 26 55 | 9 13 | 10 59 | 11 21 | 6 17 | 13 46 | 5 41 |
| W 6 | 15 38 | 7 38 | 3 15 | 11 14 | 0 55 | 21 44 | 0 22 | 15 29 | 1 8 | 8 20 | 1 4 | 18 51 | 1 16 | 2 58 | 0 42 | 0 23 | 1 38 | 26 55 | 9 13 | 10 56 | 11 20 | 6 14 | 13 44 | 5 42 |
| T 7 | 15 20 | 2 8 | 2 23 | 10 32 | 0 49 | 21 33 | 0 24 | 15 17 | 1 8 | 8 23 | 1 4 | 18 52 | 1 17 | 2 57 | 0 42 | 0 22 | 1 38 | 26 54 | 9 13 | 10 53 | 11 19 | 6 11 | 13 43 | 5 42 |
| F 8 | 15 2 | 3s26 | 1 25 | 9 49 | 0 42 | 21 22 | 0 27 | 15 4 | 1 8 | 8 26 | 1 4 | 18 53 | 1 17 | 2 56 | 0 42 | 0 21 | 1 38 | 26 54 | 9 13 | 10 52 | 11 18 | 6 8 | 13 41 | 5 42 |
| S 9 | 14 43 | 8 54 | 0 23 | 9 6 | 0 35 | 21 9 | 0 29 | 14 51 | 1 7 | 8 30 | 1 3 | 18 54 | 1 17 | 2 54 | 0 42 | 0 21 | 1 38 | 26 54 | 9 14 | 10 52 | 11 16 | 6 4 | 13 39 | 5 42 |
| S 10 | 14 25 | 14 8 | 0s40 | 8 24 | 0 28 | 20 57 | 0 32 | 14 38 | 1 7 | 8 33 | 1 3 | 18 56 | 1 17 | 2 53 | 0 42 | 0 20 | 1 38 | 26 53 | 9 14 | 10 52 | 11 15 | 6 1 | 13 37 | 5 42 |
| M11 | 14 6 | 18 54 | 1 43 | 7 41 | 0 21 | 20 44 | 0 34 | 14 25 | 1 7 | 8 37 | 1 3 | 18 57 | 1 17 | 2 52 | 0 42 | 0 19 | 1 38 | 26 53 | 9 14 | 10 52 | 11 14 | 5 58 | 13 35 | 5 42 |
| T 12 | 13 47 | 23 0 | 2 43 | 6 58 | 0 13 | 20 30 | 0 37 | 14 12 | 1 7 | 8 40 | 1 3 | 18 58 | 1 17 | 2 50 | 0 42 | 0 18 | 1 38 | 26 52 | 9 14 | 10 52 | 11 13 | 5 54 | 13 33 | 5 42 |
| W13 | 13 27 | 26 5 | 3 36 | 6 16 | 0 6 | 20 15 | 0 39 | 13 59 | 1 7 | 8 44 | 1 2 | 18 59 | 1 17 | 2 49 | 0 42 | 0 18 | 1 38 | 26 52 | 9 14 | 10 51 | 11 12 | 5 51 | 13 31 | 5 43 |
| T 14 | 13 8 | 27 52 | 4 20 | 5 33 | 0s 2 | 20 0 | 0 41 | 13 46 | 1 7 | 8 48 | 1 2 | 19 1 | 1 17 | 2 48 | 0 42 | 0 17 | 1 38 | 26 52 | 9 14 | 10 50 | 11 11 | 5 48 | 13 30 | 5 43 |
| F 15 | 12 48 | 28 0 | 4 50 | 4 51 | 0 10 | 19 44 | 0 44 | 13 32 | 1 7 | 8 51 | 1 2 | 19 2 | 1 17 | 2 46 | 0 42 | 0 16 | 1 38 | 26 51 | 9 14 | 10 48 | 11 10 | 5 44 | 13 28 | 5 43 |
| S 16 | 12 28 | 26 19 | 5 4 | 4 9 | 0 18 | 19 28 | 0 46 | 13 19 | 1 6 | 8 55 | 1 2 | 19 3 | 1 17 | 2 45 | 0 42 | 0 15 | 1 38 | 26 51 | 9 15 | 10 45 | 11 8 | 5 41 | 13 26 | 5 43 |
| S 17 | 12 8 | 22 50 | 4 58 | 3 27 | 0 26 | 19 11 | 0 48 | 13 5 | 1 6 | 8 59 | 1 2 | 19 4 | 1 17 | 2 43 | 0 42 | 0 14 | 1 38 | 26 51 | 9 15 | 10 42 | 11 7 | 5 38 | 13 24 | 5 43 |
| M18 | 11 48 | 17 47 | 4 32 | 2 46 | 0 34 | 18 54 | 0 50 | 12 52 | 1 6 | 9 2 | 1 2 | 19 5 | 1 17 | 2 42 | 0 42 | 0 14 | 1 38 | 26 50 | 9 15 | 10 38 | 11 6 | 5 34 | 13 22 | 5 44 |
| T 19 | 11 27 | 11 34 | 3 47 | 2 5 | 0 42 | 18 36 | 0 52 | 12 38 | 1 6 | 9 6 | 1 1 | 19 7 | 1 17 | 2 41 | 0 42 | 0 13 | 1 38 | 26 50 | 9 15 | 10 36 | 11 5 | 5 31 | 13 20 | 5 44 |
| W20 | 11 6 | 4 41 | 2 45 | 1 24 | 0 51 | 18 18 | 0 54 | 12 24 | 1 6 | 9 10 | 1 1 | 19 8 | 1 17 | 2 39 | 0 42 | 0 12 | 1 38 | 26 49 | 9 15 | 10 33 | 11 4 | 5 28 | 13 18 | 5 44 |
| T 21 | 10 45 | 2n24 | 1 33 | 0 44 | 0 59 | 17 59 | 0 56 | 12 10 | 1 6 | 9 14 | 1 1 | 19 9 | 1 17 | 2 38 | 0 42 | 0 11 | 1 38 | 26 49 | 9 15 | 10 32 | 11 3 | 5 25 | 13 16 | 5 44 |
| F 22 | 10 24 | 9 14 | 0 15 | 0 4 | 1 7 | 17 39 | 0 58 | 11 56 | 1 5 | 9 18 | 1 1 | 19 10 | 1 17 | 2 36 | 0 42 | 0 11 | 1 38 | 26 49 | 9 16 | 10 32 | 11 2 | 5 21 | 13 14 | 5 44 |
| S 23 | 10 3 | 15 26 | 1n 1 | 0s35 | 1 16 | 17 19 | 1 0 | 11 42 | 1 5 | 9 21 | 1 1 | 19 11 | 1 17 | 2 35 | 0 42 | 0 10 | 1 38 | 26 48 | 9 16 | 10 32 | 11 1 | 5 18 | 13 12 | 5 45 |
| S 24 | 9 41 | 20 39 | 2 12 | 1 14 | 1 24 | 16 59 | 1 2 | 11 28 | 1 5 | 9 25 | 1 0 | 19 12 | 1 17 | 2 33 | 0 42 | 0 9 | 1 38 | 26 48 | 9 16 | 10 32 | 10 59 | 5 15 | 13 10 | 5 45 |
| M25 | 9 20 | 24 37 | 3 14 | 1 52 | 1 32 | 16 38 | 1 3 | 11 14 | 1 5 | 9 29 | 1 0 | 19 13 | 1 17 | 2 32 | 0 42 | 0 8 | 1 38 | 26 48 | 9 16 | 10 32 | 10 58 | 5 11 | 13 8 | 5 45 |
| T 26 | 8 58 | 27 11 | 4 3 | 2 29 | 1 41 | 16 16 | 1 5 | 11 0 | 1 5 | 9 33 | 1 0 | 19 14 | 1 17 | 2 30 | 0 42 | 0 7 | 1 38 | 26 47 | 9 16 | 10 32 | 10 57 | 5 8 | 13 6 | 5 46 |
| W27 | 8 36 | 28 13 | 4 39 | 3 5 | 1 49 | 15 54 | 1 7 | 10 45 | 1 5 | 9 37 | 1 0 | 19 15 | 1 17 | 2 29 | 0 42 | 0 6 | 1 38 | 26 47 | 9 16 | 10 31 | 10 56 | 5 5 | 13 4 | 5 46 |
| T 28 | 8 14 | 27 44 | 5 1 | 3 41 | 1 57 | 15 32 | 1 8 | 10 31 | 1 4 | 9 41 | 1 0 | 19 16 | 1 17 | 2 27 | 0 42 | 0 6 | 1 38 | 26 47 | 9 17 | 10 29 | 10 55 | 5 1 | 13 2 | 5 46 |
| F 29 | 7 52 | 25 53 | 5 8 | 4 16 | 2 5 | 15 9 | 1 10 | 10 17 | 1 4 | 9 45 | 1 0 | 19 17 | 1 17 | 2 26 | 0 42 | 0 5 | 1 38 | 26 47 | 9 17 | 10 27 | 10 54 | 4 58 | 13 0 | 5 46 |
| S 30 | 7 30 | 22 51 | 5 0 | 4 50 | 2 13 | 14 46 | 1 11 | 10 2 | 1 4 | 9 49 | 0 59 | 19 18 | 1 17 | 2 25 | 0 42 | 0 4 | 1 38 | 26 46 | 9 17 | 10 24 | 10 53 | 4 55 | 12 58 | 5 47 |
| S 31 | 7n 7 | 18n52 | 4n40 | 5s23 | 2s21 | 14n22 | 1n13 | 9n47 | 1n 4 | 9s53 | 0n59 | 19s19 | 1s17 | 2n23 | 0n42 | 0n 3 | 1n38 | 26n46 | 9n17 | 10n21 | 10n51 | 4n51 | 12n56 | 5s47 |

Julian Day Number = 2072640.5, Delta T = 27m40s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°16'56, Lahiri = 9°23'56 Julian Calendar 1 Aug. 962 == Greg. Calendar 6 Aug. 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## SEPTEMBER 962 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 22 59 23 | 12♍55'29 | 3♍21 | 9♎ 6 | 26♌20 | 8♍ 9 | 28♎ 9 | 9°R 5 | 25♍42 | 3♎38 | 10♌ 1 | 26°R33 | 28♈ 2 | 24♍31 | 7♌28 | M 1 |
| T 2 | 23 3 19 | 13°54'15 | 15°14 | 10° 6 | 27°34 | 8°48 | 28°20 | 9♒ 1 | 25°45 | 3°41 | 10° 2 | 26♈26 | 27°59 | 24°38 | 7°35 | T 2 |
| W 3 | 23 7 16 | 14°53'03 | 27° 3 | 11° 4 | 28°49 | 9°26 | 28°31 | 8°58 | 25°49 | 3°43 | 10° 4 | 26°20 | 27°56 | 24°45 | 7°41 | W 3 |
| T 4 | 23 11 13 | 15°51'54 | 8♎50 | 11°58 | 0♍ 3 | 10° 5 | 28°43 | 8°55 | 25°53 | 3°45 | 10° 6 | 26°16 | 27°53 | 24°51 | 7°48 | T 4 |
| F 5 | 23 15 9 | 16°50'46 | 20°39 | 12°49 | 1°18 | 10°44 | 28°54 | 8°52 | 25°57 | 3°47 | 10° 7 | 26°D15 | 27°50 | 24°58 | 7°55 | F 5 |
| S 6 | 23 19 6 | 17°49'40 | 2♏31 | 13°38 | 2°32 | 11°23 | 29° 5 | 8°49 | 26° 0 | 3°49 | 10° 9 | 26°15 | 27°47 | 25° 5 | 8° 1 | S 6 |
| S 7 | 23 23 2 | 18°48'36 | 14°31 | 14°22 | 3°47 | 12° 1 | 29°17 | 8°46 | 26° 4 | 3°51 | 10°10 | 26°16 | 27°43 | 25°11 | 8° 8 | S 7 |
| M 8 | 23 26 59 | 19°47'34 | 26°42 | 15° 3 | 5° 1 | 12°40 | 29°28 | 8°43 | 26° 8 | 3°53 | 10°12 | 26°17 | 27°40 | 25°18 | 8°14 | M 8 |
| T 9 | 23 30 55 | 20°46'34 | 9♐ 9 | 15°39 | 6°16 | 13°19 | 29°40 | 8°40 | 26°12 | 3°56 | 10°13 | 26°19 | 27°37 | 25°25 | 8°20 | T 9 |
| W10 | 23 34 52 | 21°45'36 | 21°57 | 16°11 | 7°31 | 13°58 | 29°52 | 8°38 | 26°15 | 3°58 | 10°15 | 26°R19 | 27°34 | 25°31 | 8°27 | W10 |
| T 11 | 23 38 48 | 22°44'39 | 5♑ 9 | 16°38 | 8°45 | 14°37 | 0♏ 3 | 8°35 | 26°19 | 4° 0 | 10°16 | 26°19 | 27°31 | 25°38 | 8°33 | T 11 |
| F 12 | 23 42 45 | 23°43'45 | 18°48 | 17° 0 | 10° 0 | 15°15 | 0°15 | 8°32 | 26°23 | 4° 2 | 10°18 | 26°17 | 27°27 | 25°45 | 8°39 | F 12 |
| S 13 | 23 46 42 | 24°42'52 | 2♒55 | 17°16 | 11°15 | 15°54 | 0°27 | 8°30 | 26°27 | 4° 4 | 10°19 | 26°13 | 27°24 | 25°51 | 8°45 | S 13 |
| S 14 | 23 50 38 | 25°42'01 | 17°30 | 17°25 | 12°30 | 16°33 | 0°39 | 8°28 | 26°30 | 4° 7 | 10°21 | 26° 9 | 27°21 | 25°58 | 8°51 | S 14 |
| M15 | 23 54 35 | 26°41'12 | 2♓27 | 17°R28 | 13°44 | 17°12 | 0°51 | 8°25 | 26°34 | 4° 9 | 10°22 | 26° 5 | 27°18 | 26° 5 | 8°57 | M15 |
| T 16 | 23 58 31 | 27°40'24 | 17°38 | 17°24 | 14°59 | 17°51 | 1° 3 | 8°23 | 26°38 | 4°11 | 10°24 | 26° 1 | 27°15 | 26°11 | 9° 3 | T 16 |
| W17 | 0 2 28 | 28°39'39 | 2♈54 | 17°12 | 16°14 | 18°30 | 1°15 | 8°21 | 26°42 | 4°13 | 10°25 | 25°58 | 27°12 | 26°18 | 9° 9 | W17 |
| T 18 | 0 6 24 | 29°38'56 | 18° 4 | 16°52 | 17°29 | 19° 9 | 1°27 | 8°19 | 26°46 | 4°16 | 10°26 | 25°57 | 27° 8 | 26°25 | 9°15 | T 18 |
| F 19 | 0 10 21 | 0♎38'15 | 3♉ 0 | 16°24 | 18°44 | 19°48 | 1°39 | 8°17 | 26°49 | 4°18 | 10°28 | 25°D57 | 27° 5 | 26°31 | 9°21 | F 19 |
| S 20 | 0 14 17 | 1°37'36 | 17°34 | 15°48 | 19°59 | 20°27 | 1°51 | 8°15 | 26°53 | 4°20 | 10°29 | 25°58 | 27° 2 | 26°38 | 9°26 | S 20 |
| S 21 | 0 18 14 | 2°37'00 | 1♊42 | 15° 4 | 21°14 | 21° 6 | 2° 4 | 8°14 | 26°57 | 4°22 | 10°30 | 25°59 | 26°59 | 26°45 | 9°32 | S 21 |
| M22 | 0 22 11 | 3°36'26 | 15°24 | 14°13 | 22°29 | 21°45 | 2°16 | 8°12 | 27° 1 | 4°25 | 10°32 | 26° 0 | 26°56 | 26°51 | 9°38 | M22 |
| T 23 | 0 26 7 | 4°35'55 | 28°39 | 13°14 | 23°44 | 22°24 | 2°29 | 8°11 | 27° 4 | 4°27 | 10°33 | 26°R 1 | 26°53 | 26°58 | 9°43 | T 23 |
| W24 | 0 30 4 | 5°35'26 | 11♋32 | 12° 9 | 24°59 | 23° 3 | 2°41 | 8° 9 | 27° 8 | 4°29 | 10°34 | 26° 1 | 26°49 | 27° 5 | 9°49 | W24 |
| T 25 | 0 34 0 | 6°34'59 | 24° 5 | 10°59 | 26°14 | 23°42 | 2°54 | 8° 8 | 27°12 | 4°31 | 10°35 | 26° 0 | 26°46 | 27°11 | 9°54 | T 25 |
| F 26 | 0 37 57 | 7°34'34 | 6♌22 | 9°47 | 27°29 | 24°21 | 3° 6 | 8° 7 | 27°16 | 4°34 | 10°36 | 25°59 | 26°43 | 27°18 | 9°59 | F 26 |
| S 27 | 0 41 53 | 8°34'12 | 18°27 | 8°33 | 28°44 | 25° 1 | 3°19 | 8° 6 | 27°19 | 4°36 | 10°38 | 25°56 | 26°40 | 27°25 | 10° 5 | S 27 |
| S 28 | 0 45 50 | 9°33'52 | 0♍24 | 7°20 | 29°59 | 25°40 | 3°31 | 8° 4 | 27°23 | 4°38 | 10°39 | 25°53 | 26°37 | 27°31 | 10°10 | S 28 |
| M29 | 0 49 46 | 10°33'34 | 12°15 | 6°10 | 1♎14 | 26°19 | 3°44 | 8° 4 | 27°27 | 4°40 | 10°40 | 25°51 | 26°33 | 27°38 | 10°15 | M29 |
| T 30 | 0 53 43 | 11♎33'19 | 24♍ 3 | 5♎ 6 | 2♎29 | 26♍58 | 3♏57 | 8♒ 3 | 27♍31 | 4♎42 | 10♌41 | 25♈49 | 26♈30 | 27♍45 | 10♌20 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n45 | 14n10 | 4n 7 | 5s54 | 2s29 | 13n58 | 1n14 | 9n33 | 1n 4 | 9s58 | 0n59 | 19s20 | 1s17 | 2n22 | 0n42 | 0n 2 | 1n38 | 26n46 | 9n17 | 10n18 | 10n50 | 4n48 | 12n54 | 5s47 |
| T 2 | 6 22 | 8 59 | 3 24 | 6 25 | 2 36 | 13 34 | 1 15 | 9 18 | 1 3 | 10 2 | 0 59 | 19 21 | 1 17 | 2 20 | 0 42 | 0 1 | 1 38 | 26 46 | 9 18 | 10 15 | 10 49 | 4 45 | 12 53 | 5 48 |
| W 3 | 5 59 | 3 30 | 2 32 | 6 54 | 2 43 | 13 9 | 1 17 | 9 3 | 1 3 | 10 6 | 0 59 | 19 22 | 1 17 | 2 19 | 0 42 | 0 0 | 1 37 | 26 45 | 9 18 | 10 13 | 10 48 | 4 41 | 12 51 | 5 48 |
| T 4 | 5 36 | 2s 6 | 1 33 | 7 22 | 2 50 | 12 44 | 1 18 | 8 48 | 1 3 | 10 10 | 0 59 | 19 22 | 1 17 | 2 17 | 0 42 | 0s 0 | 1 37 | 26 45 | 9 18 | 10 12 | 10 47 | 4 38 | 12 49 | 5 48 |
| F 5 | 5 13 | 7 38 | 0 30 | 7 49 | 2 57 | 12 18 | 1 19 | 8 33 | 1 3 | 10 14 | 0 58 | 19 23 | 1 17 | 2 16 | 0 42 | 0 1 | 1 37 | 26 45 | 9 18 | 10 11 | 10 46 | 4 35 | 12 47 | 5 49 |
| S 6 | 4 50 | 12 57 | 0s34 | 8 13 | 3 3 | 11 52 | 1 20 | 8 18 | 1 3 | 10 18 | 0 58 | 19 24 | 1 17 | 2 14 | 0 42 | 0 2 | 1 37 | 26 45 | 9 19 | 10 11 | 10 45 | 4 31 | 12 45 | 5 49 |
| S 7 | 4 27 | 17 51 | 1 38 | 8 36 | 3 9 | 11 26 | 1 21 | 8 3 | 1 2 | 10 23 | 0 58 | 19 25 | 1 17 | 2 13 | 0 42 | 0 3 | 1 37 | 26 44 | 9 19 | 10 12 | 10 43 | 4 28 | 12 43 | 5 49 |
| M 8 | 4 4 | 22 6 | 2 39 | 8 57 | 3 15 | 10 59 | 1 22 | 7 48 | 1 2 | 10 27 | 0 58 | 19 26 | 1 17 | 2 11 | 0 42 | 0 4 | 1 37 | 26 44 | 9 19 | 10 12 | 10 42 | 4 25 | 12 41 | 5 50 |
| T 9 | 3 41 | 25 27 | 3 33 | 9 16 | 3 20 | 10 32 | 1 23 | 7 33 | 1 2 | 10 31 | 0 58 | 19 26 | 1 17 | 2 10 | 0 42 | 0 5 | 1 37 | 26 44 | 9 19 | 10 13 | 10 41 | 4 21 | 12 39 | 5 50 |
| W10 | 3 17 | 27 38 | 4 18 | 9 33 | 3 24 | 10 5 | 1 23 | 7 18 | 1 2 | 10 35 | 0 58 | 19 27 | 1 17 | 2 8 | 0 42 | 0 6 | 1 37 | 26 44 | 9 20 | 10 13 | 10 40 | 4 18 | 12 37 | 5 50 |
| T 11 | 2 54 | 28 20 | 4 52 | 9 47 | 3 28 | 9 38 | 1 24 | 7 2 | 1 2 | 10 40 | 0 57 | 19 28 | 1 17 | 2 7 | 0 42 | 0 7 | 1 37 | 26 44 | 9 20 | 10 13 | 10 39 | 4 14 | 12 35 | 5 51 |
| F 12 | 2 30 | 27 22 | 5 10 | 9 58 | 3 31 | 9 10 | 1 25 | 6 47 | 1 1 | 10 44 | 0 57 | 19 28 | 1 17 | 2 5 | 0 42 | 0 7 | 1 37 | 26 43 | 9 20 | 10 12 | 10 38 | 4 11 | 12 33 | 5 51 |
| S 13 | 2 7 | 24 39 | 5 11 | 10 6 | 3 33 | 8 42 | 1 25 | 6 32 | 1 1 | 10 48 | 0 57 | 19 29 | 1 17 | 2 3 | 0 42 | 0 8 | 1 37 | 26 43 | 9 20 | 10 11 | 10 37 | 4 8 | 12 31 | 5 52 |
| S 14 | 1 43 | 20 18 | 4 52 | 10 11 | 3 35 | 8 14 | 1 26 | 6 16 | 1 1 | 10 52 | 0 57 | 19 29 | 1 17 | 2 2 | 0 42 | 0 9 | 1 37 | 26 43 | 9 21 | 10 9 | 10 35 | 4 4 | 12 29 | 5 52 |
| M15 | 1 19 | 14 35 | 4 12 | 10 12 | 3 35 | 7 45 | 1 26 | 6 1 | 1 1 | 10 57 | 0 57 | 19 30 | 1 17 | 2 0 | 0 42 | 0 10 | 1 37 | 26 43 | 9 21 | 10 8 | 10 34 | 4 1 | 12 27 | 5 53 |
| T 16 | 0 56 | 7 54 | 3 15 | 10 10 | 3 34 | 7 17 | 1 27 | 5 45 | 1 0 | 11 1 | 0 57 | 19 31 | 1 17 | 1 59 | 0 42 | 0 11 | 1 37 | 26 43 | 9 21 | 10 6 | 10 33 | 3 58 | 12 25 | 5 53 |
| W17 | 0 32 | 0 43 | 2 3 | 10 3 | 3 32 | 6 48 | 1 27 | 5 30 | 1 0 | 11 5 | 0 57 | 19 31 | 1 17 | 1 57 | 0 42 | 0 12 | 1 37 | 26 43 | 9 21 | 10 5 | 10 32 | 3 54 | 12 23 | 5 53 |
| T 18 | 0 8 | 6n28 | 0 43 | 9 52 | 3 28 | 6 19 | 1 27 | 5 14 | 1 0 | 11 10 | 0 56 | 19 32 | 1 17 | 1 56 | 0 42 | 0 13 | 1 37 | 26 42 | 9 22 | 10 5 | 10 31 | 3 51 | 12 21 | 5 54 |
| F 19 | 0s15 | 13 11 | 0n39 | 9 36 | 3 23 | 5 49 | 1 27 | 4 59 | 1 0 | 11 14 | 0 56 | 19 32 | 1 17 | 1 54 | 0 42 | 0 14 | 1 37 | 26 42 | 9 22 | 10 5 | 10 30 | 3 48 | 12 19 | 5 54 |
| S 20 | 0 39 | 19 2 | 1 56 | 9 16 | 3 16 | 5 20 | 1 27 | 4 43 | 0 59 | 11 19 | 0 56 | 19 32 | 1 17 | 1 53 | 0 42 | 0 15 | 1 37 | 26 42 | 9 22 | 10 5 | 10 28 | 3 44 | 12 17 | 5 55 |
| S 21 | 1 3 | 23 38 | 3 4 | 8 50 | 3 7 | 4 50 | 1 27 | 4 27 | 0 59 | 11 23 | 0 56 | 19 33 | 1 17 | 1 51 | 0 42 | 0 15 | 1 37 | 26 42 | 9 22 | 10 6 | 10 27 | 3 41 | 12 15 | 5 55 |
| M22 | 1 27 | 26 45 | 4 0 | 8 20 | 2 56 | 4 20 | 1 27 | 4 12 | 0 59 | 11 27 | 0 56 | 19 33 | 1 17 | 1 50 | 0 42 | 0 16 | 1 37 | 26 42 | 9 23 | 10 6 | 10 26 | 3 38 | 12 14 | 5 56 |
| T 23 | 1 50 | 28 15 | 4 40 | 7 45 | 2 43 | 3 50 | 1 27 | 3 56 | 0 59 | 11 32 | 0 56 | 19 34 | 1 17 | 1 48 | 0 42 | 0 17 | 1 37 | 26 42 | 9 23 | 10 6 | 10 25 | 3 34 | 12 12 | 5 56 |
| W24 | 2 14 | 28 9 | 5 6 | 7 7 | 2 29 | 3 20 | 1 27 | 3 40 | 0 58 | 11 36 | 0 56 | 19 34 | 1 17 | 1 47 | 0 42 | 0 18 | 1 37 | 26 42 | 9 23 | 10 6 | 10 24 | 3 31 | 12 10 | 5 57 |
| T 25 | 2 38 | 26 35 | 5 15 | 6 24 | 2 13 | 2 50 | 1 27 | 3 24 | 0 58 | 11 40 | 0 56 | 19 34 | 1 17 | 1 45 | 0 42 | 0 19 | 1 37 | 26 42 | 9 24 | 10 6 | 10 23 | 3 27 | 12 8 | 5 57 |
| F 26 | 3 1 | 23 47 | 5 10 | 5 39 | 1 55 | 2 20 | 1 27 | 3 8 | 0 58 | 11 45 | 0 55 | 19 35 | 1 17 | 1 44 | 0 42 | 0 20 | 1 37 | 26 42 | 9 24 | 10 5 | 10 22 | 3 24 | 12 6 | 5 58 |
| S 27 | 3 25 | 20 0 | 4 52 | 4 52 | 1 36 | 1 49 | 1 26 | 2 52 | 0 58 | 11 49 | 0 55 | 19 35 | 1 17 | 1 42 | 0 42 | 0 21 | 1 37 | 26 42 | 9 24 | 10 4 | 10 20 | 3 21 | 12 4 | 5 58 |
| S 28 | 3 49 | 15 27 | 4 20 | 4 5 | 1 16 | 1 19 | 1 26 | 2 37 | 0 57 | 11 54 | 0 55 | 19 35 | 1 17 | 1 41 | 0 42 | 0 22 | 1 37 | 26 42 | 9 25 | 10 3 | 10 19 | 3 17 | 12 2 | 5 59 |
| M29 | 4 12 | 10 22 | 3 38 | 3 19 | 0 55 | 0 48 | 1 25 | 2 21 | 0 57 | 11 58 | 0 55 | 19 35 | 1 17 | 1 39 | 0 42 | 0 23 | 1 37 | 26 42 | 9 25 | 10 3 | 10 18 | 3 14 | 12 0 | 5 59 |
| T 30 | 4s36 | 4n55 | 2n47 | 2s34 | 0s35 | 0n18 | 1n25 | 2n 5 | 0n57 | 12s 3 | 0n55 | 19s35 | 1s16 | 1n38 | 0n42 | 0s23 | 1n38 | 26n42 | 9n25 | 10n 2 | 10n17 | 3n11 | 11n59 | 6s 0 |

Julian Day Number = 2072671.5, Delta T = 27m39s
Ecliptic obliquity = 23°34'34, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'00, Lahiri = 9°24'01 Julian Calendar 1 Sept. 962 == Greg. Calendar 6 Sept. 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## OCTOBER 962 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 57 40 | 12♎33'05 | 5♎52 | 4°R 8 | 3♎45 | 27♍38 | 4♏10 | 8°R 2 | 27♍34 | 4♎45 | 10♌42 | 25°R47 | 26♈27 | 27♍51 | 10♌25 | W 1 |
| T 2 | 1 1 36 | 13°32'54 | 17°42 | 3♎20 | 5° 0 | 28°17 | 4°22 | 8♒ 1 | 27°38 | 4°47 | 10°43 | 25♈46 | 26°24 | 27°58 | 10°30 | T 2 |
| F 3 | 1 5 33 | 14°32'44 | 29°37 | 2°41 | 6°15 | 28°56 | 4°35 | 8° 1 | 27°42 | 4°49 | 10°44 | 25°D46 | 26°21 | 28° 5 | 10°35 | F 3 |
| S 4 | 1 9 29 | 15°32'37 | 11♏37 | 2°14 | 7°30 | 29°36 | 4°48 | 8° 0 | 27°45 | 4°51 | 10°45 | 25°47 | 26°18 | 28°11 | 10°39 | S 4 |
| S 5 | 1 13 26 | 16°32'31 | 23°46 | 1°57 | 8°46 | 0♎15 | 5° 1 | 8° 0 | 27°49 | 4°54 | 10°46 | 25°47 | 26°14 | 28°18 | 10°44 | S 5 |
| M 6 | 1 17 22 | 17°32'28 | 6♐ 5 | 1°D52 | 10° 1 | 0°54 | 5°14 | 8° 0 | 27°53 | 4°56 | 10°47 | 25°48 | 26°11 | 28°25 | 10°49 | M 6 |
| T 7 | 1 21 19 | 18°32'26 | 18°39 | 1°58 | 11°16 | 1°34 | 5°27 | 8° 0 | 27°56 | 4°58 | 10°48 | 25°49 | 26° 8 | 28°31 | 10°53 | T 7 |
| W 8 | 1 25 15 | 19°32'26 | 1♑28 | 2°15 | 12°31 | 2°13 | 5°40 | 8°D 0 | 28° 0 | 5° 0 | 10°49 | 25°50 | 26° 5 | 28°38 | 10°58 | W 8 |
| T 9 | 1 29 12 | 20°32'27 | 14°38 | 2°43 | 13°47 | 2°53 | 5°53 | 8° 0 | 28° 3 | 5° 2 | 10°50 | 25°R50 | 26° 2 | 28°45 | 11° 2 | T 9 |
| F 10 | 1 33 9 | 21°32'30 | 28° 9 | 3°19 | 15° 2 | 3°32 | 6° 6 | 8° 0 | 28° 7 | 5° 4 | 10°51 | 25°50 | 25°59 | 28°51 | 11° 6 | F 10 |
| S 11 | 1 37 5 | 22°32'35 | 12♒ 4 | 4° 4 | 16°17 | 4°12 | 6°19 | 8° 0 | 28°10 | 5° 7 | 10°51 | 25°50 | 25°55 | 28°58 | 11°10 | S 11 |
| S 12 | 1 41 2 | 23°32'42 | 26°21 | 4°56 | 17°33 | 4°51 | 6°32 | 8° 1 | 28°14 | 5° 9 | 10°52 | 25°50 | 25°52 | 29° 5 | 11°14 | S 12 |
| M13 | 1 44 58 | 24°32'49 | 11♓ 0 | 5°55 | 18°48 | 5°31 | 6°45 | 8° 1 | 28°17 | 5°11 | 10°53 | 25°49 | 25°49 | 29°11 | 11°18 | M13 |
| T 14 | 1 48 55 | 25°32'59 | 25°55 | 7° 0 | 20° 3 | 6°10 | 6°58 | 8° 2 | 28°21 | 5°13 | 10°54 | 25°D49 | 25°46 | 29°18 | 11°22 | T 14 |
| W15 | 1 52 51 | 26°33'10 | 10♈59 | 8°10 | 21°19 | 6°50 | 7°12 | 8° 3 | 28°24 | 5°15 | 10°54 | 25°49 | 25°43 | 29°25 | 11°26 | W15 |
| T 16 | 1 56 48 | 27°33'23 | 26° 3 | 9°25 | 22°34 | 7°29 | 7°25 | 8° 4 | 28°28 | 5°17 | 10°55 | 25°R49 | 25°39 | 29°31 | 11°30 | T 16 |
| F 17 | 2 0 44 | 28°33'38 | 10♉59 | 10°43 | 23°49 | 8° 9 | 7°38 | 8° 4 | 28°31 | 5°19 | 10°56 | 25°49 | 25°36 | 29°38 | 11°33 | F 17 |
| S 18 | 2 4 41 | 29°33'54 | 25°39 | 12° 5 | 25° 5 | 8°49 | 7°51 | 8° 5 | 28°35 | 5°22 | 10°56 | 25°49 | 25°33 | 29°45 | 11°37 | S 18 |
| S 19 | 2 8 37 | 0♏34'13 | 9♊56 | 13°29 | 26°20 | 9°28 | 8° 4 | 8° 7 | 28°38 | 5°24 | 10°57 | 25°49 | 25°30 | 29°51 | 11°40 | S 19 |
| M20 | 2 12 34 | 1°34'34 | 23°48 | 14°56 | 27°36 | 10° 8 | 8°18 | 8° 8 | 28°41 | 5°26 | 10°57 | 25°48 | 25°27 | 29°58 | 11°44 | M20 |
| T 21 | 2 16 31 | 2°34'56 | 7♋12 | 16°24 | 28°51 | 10°48 | 8°31 | 8° 9 | 28°45 | 5°28 | 10°58 | 25°47 | 25°24 | 0♎ 5 | 11°47 | T 21 |
| W22 | 2 20 27 | 3°35'21 | 20°11 | 17°54 | 0♏ 6 | 11°28 | 8°44 | 8°11 | 28°48 | 5°30 | 10°58 | 25°47 | 25°20 | 0°11 | 11°50 | W22 |
| T 23 | 2 24 24 | 4°35'48 | 2♌47 | 19°25 | 1°22 | 12° 7 | 8°58 | 8°12 | 28°51 | 5°32 | 10°59 | 25°D46 | 25°17 | 0°18 | 11°53 | T 23 |
| F 24 | 2 28 20 | 5°36'16 | 15° 5 | 20°58 | 2°37 | 12°47 | 9°11 | 8°14 | 28°54 | 5°34 | 10°59 | 25°47 | 25°14 | 0°25 | 11°56 | F 24 |
| S 25 | 2 32 17 | 6°36'46 | 27° 8 | 22°31 | 3°53 | 13°27 | 9°24 | 8°16 | 28°58 | 5°36 | 11° 0 | 25°47 | 25°11 | 0°31 | 11°59 | S 25 |
| S 26 | 2 36 13 | 7°37'18 | 9♍ 2 | 24° 4 | 5° 8 | 14° 7 | 9°38 | 8°17 | 29° 1 | 5°38 | 11° 0 | 25°48 | 25° 8 | 0°38 | 12° 2 | S 26 |
| M27 | 2 40 10 | 8°37'52 | 20°50 | 25°39 | 6°24 | 14°47 | 9°51 | 8°19 | 29° 4 | 5°40 | 11° 1 | 25°50 | 25° 5 | 0°44 | 12° 5 | M27 |
| T 28 | 2 44 6 | 9°38'28 | 2♎38 | 27°13 | 7°39 | 15°27 | 10° 4 | 8°21 | 29° 7 | 5°42 | 11° 1 | 25°51 | 25° 1 | 0°51 | 12° 7 | T 28 |
| W29 | 2 48 3 | 10°39'06 | 14°28 | 28°48 | 8°55 | 16° 7 | 10°18 | 8°24 | 29°10 | 5°44 | 11° 1 | 25°52 | 24°58 | 0°58 | 12°10 | W29 |
| T 30 | 2 52 0 | 11°39'45 | 26°24 | 0♏23 | 10°10 | 16°47 | 10°31 | 8°26 | 29°13 | 5°45 | 11° 1 | 25°R52 | 24°55 | 1° 4 | 12°12 | T 30 |
| F 31 | 2 55 56 | 12♏40'25 | 8♏28 | 1♏58 | 11♏26 | 17♎27 | 10♏44 | 8♒28 | 29♍16 | 5♎47 | 11♌ 2 | 25♈52 | 24♈52 | 1♎11 | 12♌14 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 4s59 | 0s41 | 1n48 | 1s52 | 0s14 | 0s13 | 1n24 | 1n49 | 0n56 | 12s 7 | 0n55 | 19s36 | 1s16 | 1n37 | 0n42 | 0s24 | 1n38 | 26n42 | 9n25 | 10n 1 | 10n16 | 3n 7 | 11n57 | 6s 0 | W 1 |
| T 2 | 5 23 | 6 18 | 0 45 | 1 15 | 0n 5 | 0 43 | 1 23 | 1 33 | 0 56 | 12 11 | 0 55 | 19 36 | 1 16 | 1 35 | 0 42 | 0 25 | 1 38 | 26 42 | 9 26 | 10 1 | 10 15 | 3 4 | 11 55 | 6 1 | T 2 |
| F 3 | 5 46 | 11 44 | 0s21 | 0 42 | 0 24 | 1 14 | 1 23 | 1 17 | 0 56 | 12 16 | 0 55 | 19 36 | 1 16 | 1 34 | 0 42 | 0 26 | 1 38 | 26 42 | 9 26 | 10 1 | 10 13 | 3 0 | 11 53 | 6 1 | F 3 |
| S 4 | 6 9 | 16 47 | 1 27 | 0 15 | 0 42 | 1 45 | 1 22 | 1 1 | 0 56 | 12 20 | 0 55 | 19 36 | 1 16 | 1 32 | 0 42 | 0 27 | 1 38 | 26 42 | 9 26 | 10 1 | 10 12 | 2 57 | 11 51 | 6 2 | S 4 |
| S 5 | 6 32 | 21 14 | 2 29 | 0n 6 | 0 58 | 2 15 | 1 21 | 0 45 | 0 55 | 12 25 | 0 55 | 19 36 | 1 16 | 1 31 | 0 42 | 0 28 | 1 38 | 26 42 | 9 27 | 10 1 | 10 11 | 2 54 | 11 50 | 6 2 | S 5 |
| M 6 | 6 55 | 24 49 | 3 26 | 0 21 | 1 12 | 2 46 | 1 20 | 0 29 | 0 55 | 12 29 | 0 54 | 19 36 | 1 16 | 1 29 | 0 42 | 0 29 | 1 38 | 26 42 | 9 27 | 10 2 | 10 10 | 2 50 | 11 48 | 6 3 | M 6 |
| T 7 | 7 18 | 27 18 | 4 13 | 0 30 | 1 25 | 3 16 | 1 19 | 0 13 | 0 55 | 12 34 | 0 54 | 19 36 | 1 16 | 1 28 | 0 42 | 0 30 | 1 38 | 26 42 | 9 27 | 10 2 | 10 9 | 2 47 | 11 46 | 6 3 | T 7 |
| W 8 | 7 41 | 28 24 | 4 50 | 0 34 | 1 36 | 3 47 | 1 18 | 0s 3 | 0 54 | 12 38 | 0 54 | 19 36 | 1 16 | 1 26 | 0 42 | 0 30 | 1 38 | 26 42 | 9 28 | 10 2 | 10 8 | 2 44 | 11 45 | 6 4 | W 8 |
| T 9 | 8 4 | 27 56 | 5 12 | 0 31 | 1 45 | 4 17 | 1 17 | 0 19 | 0 54 | 12 42 | 0 54 | 19 36 | 1 16 | 1 25 | 0 42 | 0 31 | 1 38 | 26 42 | 9 28 | 10 2 | 10 7 | 2 40 | 11 43 | 6 4 | T 9 |
| F 10 | 8 27 | 25 50 | 5 17 | 0 24 | 1 53 | 4 48 | 1 16 | 0 35 | 0 54 | 12 47 | 0 54 | 19 36 | 1 16 | 1 24 | 0 42 | 0 32 | 1 38 | 26 42 | 9 28 | 10 2 | 10 5 | 2 37 | 11 41 | 6 5 | F 10 |
| S 11 | 8 49 | 22 9 | 5 5 | 0 12 | 1 59 | 5 18 | 1 14 | 0 51 | 0 53 | 12 51 | 0 54 | 19 35 | 1 16 | 1 22 | 0 42 | 0 33 | 1 38 | 26 42 | 9 29 | 10 2 | 10 4 | 2 33 | 11 39 | 6 6 | S 11 |
| S 12 | 9 12 | 17 5 | 4 34 | 0s 5 | 2 4 | 5 48 | 1 13 | 1 8 | 0 53 | 12 56 | 0 54 | 19 35 | 1 16 | 1 21 | 0 42 | 0 34 | 1 38 | 26 42 | 9 29 | 10 2 | 10 3 | 2 30 | 11 38 | 6 6 | S 12 |
| M13 | 9 34 | 10 56 | 3 44 | 0 25 | 2 8 | 6 18 | 1 12 | 1 24 | 0 53 | 13 0 | 0 54 | 19 35 | 1 16 | 1 19 | 0 42 | 0 35 | 1 38 | 26 42 | 9 29 | 10 2 | 10 2 | 2 27 | 11 36 | 6 7 | M13 |
| T 14 | 9 56 | 4 4 | 2 39 | 0 49 | 2 10 | 6 48 | 1 10 | 1 40 | 0 53 | 13 4 | 0 54 | 19 35 | 1 16 | 1 18 | 0 42 | 0 35 | 1 38 | 26 42 | 9 30 | 10 2 | 10 1 | 2 23 | 11 35 | 6 7 | T 14 |
| W15 | 10 18 | 3n 7 | 1 22 | 1 15 | 2 11 | 7 18 | 1 9 | 1 56 | 0 52 | 13 9 | 0 54 | 19 35 | 1 16 | 1 17 | 0 42 | 0 36 | 1 38 | 26 42 | 9 30 | 10 2 | 10 0 | 2 20 | 11 33 | 6 8 | W15 |
| T 16 | 10 40 | 10 8 | 0n 1 | 1 45 | 2 11 | 7 47 | 1 8 | 2 12 | 0 52 | 13 13 | 0 54 | 19 34 | 1 16 | 1 15 | 0 42 | 0 37 | 1 38 | 26 43 | 9 30 | 10 2 | 9 58 | 2 16 | 11 31 | 6 9 | T 16 |
| F 17 | 11 1 | 16 32 | 1 23 | 2 16 | 2 10 | 8 17 | 1 6 | 2 28 | 0 52 | 13 18 | 0 53 | 19 34 | 1 16 | 1 14 | 0 42 | 0 38 | 1 38 | 26 43 | 9 31 | 10 2 | 9 57 | 2 13 | 11 30 | 6 9 | F 17 |
| S 18 | 11 23 | 21 51 | 2 38 | 2 50 | 2 9 | 8 46 | 1 4 | 2 44 | 0 51 | 13 22 | 0 53 | 19 34 | 1 16 | 1 13 | 0 42 | 0 39 | 1 38 | 26 43 | 9 31 | 10 2 | 9 56 | 2 10 | 11 28 | 6 10 | S 18 |
| S 19 | 11 44 | 25 43 | 3 41 | 3 25 | 2 7 | 9 15 | 1 3 | 3 0 | 0 51 | 13 26 | 0 53 | 19 33 | 1 15 | 1 11 | 0 42 | 0 39 | 1 38 | 26 43 | 9 31 | 10 2 | 9 55 | 2 6 | 11 27 | 6 10 | S 19 |
| M20 | 12 5 | 27 55 | 4 29 | 4 1 | 2 4 | 9 44 | 1 1 | 3 16 | 0 50 | 13 31 | 0 53 | 19 33 | 1 15 | 1 10 | 0 42 | 0 40 | 1 38 | 26 43 | 9 32 | 10 1 | 9 54 | 2 3 | 11 25 | 6 11 | M20 |
| T 21 | 12 26 | 28 23 | 5 1 | 4 38 | 2 0 | 10 12 | 0 59 | 3 32 | 0 50 | 13 35 | 0 53 | 19 33 | 1 15 | 1 9 | 0 42 | 0 41 | 1 38 | 26 43 | 9 32 | 10 1 | 9 53 | 1 59 | 11 24 | 6 12 | T 21 |
| W22 | 12 47 | 27 15 | 5 16 | 5 16 | 1 56 | 10 41 | 0 58 | 3 48 | 0 50 | 13 39 | 0 53 | 19 32 | 1 15 | 1 7 | 0 42 | 0 42 | 1 38 | 26 43 | 9 32 | 10 1 | 9 51 | 1 56 | 11 22 | 6 12 | W22 |
| T 23 | 13 8 | 24 45 | 5 15 | 5 55 | 1 52 | 11 9 | 0 56 | 4 4 | 0 49 | 13 44 | 0 53 | 19 32 | 1 15 | 1 6 | 0 42 | 0 43 | 1 38 | 26 44 | 9 33 | 10 1 | 9 50 | 1 53 | 11 21 | 6 13 | T 23 |
| F 24 | 13 28 | 21 10 | 5 0 | 6 34 | 1 47 | 11 36 | 0 54 | 4 20 | 0 49 | 13 48 | 0 53 | 19 31 | 1 15 | 1 5 | 0 42 | 0 43 | 1 38 | 26 44 | 9 33 | 10 1 | 9 49 | 1 49 | 11 19 | 6 14 | F 24 |
| S 25 | 13 48 | 16 47 | 4 31 | 7 14 | 1 42 | 12 4 | 0 52 | 4 35 | 0 49 | 13 52 | 0 53 | 19 31 | 1 15 | 1 3 | 0 42 | 0 44 | 1 38 | 26 44 | 9 33 | 10 1 | 9 48 | 1 46 | 11 18 | 6 14 | S 25 |
| S 26 | 14 8 | 11 48 | 3 52 | 7 54 | 1 36 | 12 31 | 0 50 | 4 51 | 0 48 | 13 57 | 0 53 | 19 30 | 1 15 | 1 2 | 0 42 | 0 45 | 1 38 | 26 44 | 9 34 | 10 2 | 9 47 | 1 42 | 11 17 | 6 15 | S 26 |
| M27 | 14 28 | 6 26 | 3 2 | 8 34 | 1 31 | 12 58 | 0 48 | 5 7 | 0 48 | 14 1 | 0 53 | 19 30 | 1 15 | 1 1 | 0 42 | 0 46 | 1 38 | 26 45 | 9 34 | 10 2 | 9 46 | 1 39 | 11 15 | 6 16 | M27 |
| T 28 | 14 47 | 0 52 | 2 5 | 9 14 | 1 25 | 13 25 | 0 46 | 5 23 | 0 48 | 14 5 | 0 53 | 19 29 | 1 15 | 1 0 | 0 42 | 0 46 | 1 38 | 26 45 | 9 35 | 10 3 | 9 44 | 1 36 | 11 14 | 6 16 | T 28 |
| W29 | 15 6 | 4s46 | 1 3 | 9 53 | 1 18 | 13 51 | 0 44 | 5 39 | 0 47 | 14 9 | 0 53 | 19 28 | 1 15 | 0 59 | 0 42 | 0 47 | 1 38 | 26 45 | 9 35 | 10 3 | 9 43 | 1 32 | 11 13 | 6 17 | W29 |
| T 30 | 15 25 | 10 17 | 0s 3 | 10 33 | 1 12 | 14 17 | 0 42 | 5 55 | 0 47 | 14 14 | 0 53 | 19 28 | 1 15 | 0 57 | 0 42 | 0 48 | 1 38 | 26 45 | 9 35 | 10 3 | 9 42 | 1 29 | 11 11 | 6 17 | T 30 |
| F 31 | 15s44 | 15s30 | 1s 9 | 11s12 | 1n 6 | 14s43 | 0n40 | 6s10 | 0n46 | 14s18 | 0n52 | 19s27 | 1s15 | 0n56 | 0n42 | 0s49 | 1n38 | 26n46 | 9n36 | 10n 3 | 9n41 | 1n25 | 11n10 | 6s18 | F 31 |

Julian Day Number = 2072701.5, Delta T = 27m39s
Ecliptic obliquity = 23°34'34, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'04, Lahiri = 9°24'05 Julian Calendar 1 Oct. 962 == Greg. Calendar 6 Oct. 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## NOVEMBER 962 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 59 53 | 13♏41'07 | 20♏41 | 3♏33 | 12♏41 | 18♎ 7 | 10♏58 | 8♒31 | 29♍19 | 5♎49 | 11♌ 2 | 25°R50 | 24♈49 | 1♎18 | 12♌16 | S 1 |
| S 2 | 3 3 49 | 14°41'51 | 3♐ 5 | 5° 8 | 13°57 | 18°47 | 11°11 | 8°33 | 29°22 | 5°51 | 11° 2 | 25♈48 | 24°45 | 1°24 | 12°18 | S 2 |
| M 3 | 3 7 46 | 15°42'36 | 15°42 | 6°43 | 15°12 | 19°27 | 11°24 | 8°36 | 29°25 | 5°53 | 11° 2 | 25°45 | 24°42 | 1°31 | 12°20 | M 3 |
| T 4 | 3 11 42 | 16°43'23 | 28°31 | 8°18 | 16°28 | 20° 7 | 11°38 | 8°39 | 29°28 | 5°55 | 11° 2 | 25°41 | 24°39 | 1°38 | 12°22 | T 4 |
| W 5 | 3 15 39 | 17°44'10 | 11♑34 | 9°53 | 17°43 | 20°47 | 11°51 | 8°41 | 29°31 | 5°57 | 11° 2 | 25°38 | 24°36 | 1°44 | 12°24 | W 5 |
| T 6 | 3 19 36 | 18°44'59 | 24°52 | 11°28 | 18°59 | 21°27 | 12° 4 | 8°44 | 29°34 | 5°58 | 11° 2 | 25°36 | 24°33 | 1°51 | 12°26 | T 6 |
| F 7 | 3 23 32 | 19°45'48 | 8♒24 | 13° 3 | 20°14 | 22° 7 | 12°17 | 8°47 | 29°36 | 6° 0 | 11° 3 | 25°34 | 24°30 | 1°58 | 12°27 | F 7 |
| S 8 | 3 27 29 | 20°46'39 | 22°11 | 14°38 | 21°30 | 22°48 | 12°31 | 8°50 | 29°39 | 6° 2 | 11°R 3 | 25°D34 | 24°26 | 2° 4 | 12°29 | S 8 |
| S 9 | 3 31 25 | 21°47'30 | 6♓14 | 16°12 | 22°45 | 23°28 | 12°44 | 8°54 | 29°42 | 6° 4 | 11° 3 | 25°34 | 24°23 | 2°11 | 12°30 | S 9 |
| M10 | 3 35 22 | 22°48'22 | 20°32 | 17°47 | 24° 1 | 24° 8 | 12°57 | 8°57 | 29°44 | 6° 5 | 11° 2 | 25°36 | 24°20 | 2°18 | 12°31 | M10 |
| T 11 | 3 39 18 | 23°49'15 | 5♈ 2 | 19°21 | 25°16 | 24°48 | 13°11 | 9° 0 | 29°47 | 6° 7 | 11° 2 | 25°37 | 24°17 | 2°24 | 12°32 | T 11 |
| W12 | 3 43 15 | 24°50'09 | 19°40 | 20°56 | 26°32 | 25°29 | 13°24 | 9° 4 | 29°50 | 6° 8 | 11° 2 | 25°R38 | 24°14 | 2°31 | 12°33 | W12 |
| T 13 | 3 47 11 | 25°51'04 | 4♉23 | 22°30 | 27°47 | 26° 9 | 13°37 | 9° 7 | 29°52 | 6°10 | 11° 2 | 25°38 | 24°10 | 2°38 | 12°34 | T 13 |
| F 14 | 3 51 8 | 26°52'00 | 19° 2 | 24° 4 | 29° 3 | 26°49 | 13°50 | 9°11 | 29°55 | 6°12 | 11° 2 | 25°36 | 24° 7 | 2°44 | 12°35 | F 14 |
| S 15 | 3 55 5 | 27°52'57 | 3♊32 | 25°39 | 0♐18 | 27°30 | 14° 3 | 9°15 | 29°57 | 6°13 | 11° 2 | 25°33 | 24° 4 | 2°51 | 12°36 | S 15 |
| S 16 | 3 59 1 | 28°53'55 | 17°45 | 27°13 | 1°34 | 28°10 | 14°16 | 9°19 | 29°59 | 6°15 | 11° 1 | 25°28 | 24° 1 | 2°58 | 12°36 | S 16 |
| M17 | 4 2 58 | 29°54'54 | 1♋38 | 28°47 | 2°49 | 28°51 | 14°30 | 9°23 | 0♎ 2 | 6°16 | 11° 1 | 25°22 | 23°58 | 3° 4 | 12°37 | M17 |
| T 18 | 4 6 54 | 0♐55'54 | 15° 7 | 0♐21 | 4° 5 | 29°31 | 14°43 | 9°27 | 0° 4 | 6°18 | 11° 1 | 25°17 | 23°55 | 3°11 | 12°37 | T 18 |
| W19 | 4 10 51 | 1°56'56 | 28°11 | 1°56 | 5°20 | 0♏12 | 14°56 | 9°31 | 0° 6 | 6°19 | 11° 1 | 25°11 | 23°51 | 3°18 | 12°37 | W19 |
| T 20 | 4 14 47 | 2°57'58 | 10♌51 | 3°30 | 6°36 | 0°52 | 15° 9 | 9°35 | 0° 9 | 6°21 | 11° 0 | 25° 7 | 23°48 | 3°24 | 12°37 | T 20 |
| F 21 | 4 18 44 | 3°59'01 | 23°12 | 5° 4 | 7°51 | 1°33 | 15°22 | 9°39 | 0°11 | 6°22 | 11° 0 | 25° 5 | 23°45 | 3°31 | 12°R37 | F 21 |
| S 22 | 4 22 40 | 5° 0'06 | 5♍17 | 6°39 | 9° 7 | 2°13 | 15°35 | 9°43 | 0°13 | 6°23 | 10°59 | 25°D 4 | 23°42 | 3°38 | 12°37 | S 22 |
| S 23 | 4 26 37 | 6° 1'11 | 17°11 | 8°13 | 10°22 | 2°54 | 15°48 | 9°48 | 0°15 | 6°25 | 10°59 | 25° 5 | 23°39 | 3°44 | 12°37 | S 23 |
| M24 | 4 30 34 | 7° 2'17 | 28°59 | 9°48 | 11°38 | 3°34 | 16° 1 | 9°52 | 0°17 | 6°26 | 10°59 | 25° 6 | 23°36 | 3°51 | 12°37 | M24 |
| T 25 | 4 34 30 | 8° 3'25 | 10♎47 | 11°23 | 12°53 | 4°15 | 16°14 | 9°57 | 0°19 | 6°27 | 10°58 | 25° 8 | 23°32 | 3°58 | 12°36 | T 25 |
| W26 | 4 38 27 | 9° 4'33 | 22°39 | 12°58 | 14° 8 | 4°56 | 16°26 | 10° 2 | 0°21 | 6°29 | 10°58 | 25°R 9 | 23°29 | 4° 4 | 12°36 | W26 |
| T 27 | 4 42 23 | 10° 5'42 | 4♏40 | 14°33 | 15°24 | 5°37 | 16°39 | 10° 6 | 0°23 | 6°30 | 10°57 | 25° 8 | 23°26 | 4°11 | 12°35 | T 27 |
| F 28 | 4 46 20 | 11° 6'52 | 16°53 | 16° 8 | 16°39 | 6°17 | 16°52 | 10°11 | 0°25 | 6°31 | 10°56 | 25° 6 | 23°23 | 4°17 | 12°35 | F 28 |
| S 29 | 4 50 16 | 12° 8'02 | 29°21 | 17°44 | 17°55 | 6°58 | 17° 5 | 10°16 | 0°26 | 6°32 | 10°56 | 25° 1 | 23°20 | 4°24 | 12°34 | S 29 |
| S 30 | 4 54 13 | 13♐ 9'13 | 12♐ 3 | 19♐19 | 19♐10 | 7♏39 | 17♏18 | 10♒21 | 0♎28 | 6♎33 | 10♌55 | 24♈54 | 23♈16 | 4♎31 | 12♌33 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s 2 | 20s10 | 2s13 | 11s51 | 0n59 | 15s 8 | 0n38 | 6s26 | 0n46 | 14s22 | 0n52 | 19s26 | 1s15 | 0n55 | 0n42 | 0s49 | 1n38 | 26n46 | 9n36 | 10n 2 | 9n40 | 1n22 | 11n 9 | 6s19 |
| S 2 | 16 20 | 24 1 | 3 11 | 12 29 | 0 52 | 15 33 | 0 36 | 6 42 | 0 46 | 14 26 | 0 52 | 19 26 | 1 15 | 0 54 | 0 42 | 0 50 | 1 38 | 26 46 | 9 36 | 10 1 | 9 39 | 1 19 | 11 8 | 6 19 |
| M 3 | 16 38 | 26 48 | 4 1 | 13 7 | 0 46 | 15 57 | 0 33 | 6 57 | 0 45 | 14 31 | 0 52 | 19 25 | 1 15 | 0 53 | 0 42 | 0 51 | 1 38 | 26 46 | 9 37 | 10 0 | 9 37 | 1 15 | 11 7 | 6 20 |
| T 4 | 16 56 | 28 14 | 4 40 | 13 44 | 0 39 | 16 21 | 0 31 | 7 13 | 0 45 | 14 35 | 0 52 | 19 24 | 1 15 | 0 52 | 0 42 | 0 51 | 1 38 | 26 47 | 9 37 | 9 59 | 9 36 | 1 12 | 11 5 | 6 21 |
| W 5 | 17 13 | 28 8 | 5 5 | 14 21 | 0 32 | 16 45 | 0 29 | 7 28 | 0 44 | 14 39 | 0 52 | 19 23 | 1 15 | 0 50 | 0 42 | 0 52 | 1 38 | 26 47 | 9 37 | 9 58 | 9 35 | 1 8 | 11 4 | 6 21 |
| T 6 | 17 30 | 26 26 | 5 15 | 14 58 | 0 25 | 17 8 | 0 27 | 7 44 | 0 44 | 14 43 | 0 52 | 19 23 | 1 14 | 0 49 | 0 42 | 0 53 | 1 39 | 26 47 | 9 38 | 9 57 | 9 34 | 1 5 | 11 3 | 6 22 |
| F 7 | 17 47 | 23 12 | 5 7 | 15 33 | 0 18 | 17 31 | 0 24 | 7 59 | 0 44 | 14 47 | 0 52 | 19 22 | 1 14 | 0 48 | 0 42 | 0 53 | 1 39 | 26 48 | 9 38 | 9 56 | 9 33 | 1 2 | 11 2 | 6 23 |
| S 8 | 18 3 | 18 37 | 4 41 | 16 8 | 0 12 | 17 53 | 0 22 | 8 15 | 0 43 | 14 51 | 0 52 | 19 21 | 1 14 | 0 47 | 0 42 | 0 54 | 1 39 | 26 48 | 9 38 | 9 56 | 9 32 | 0 58 | 11 1 | 6 23 |
| S 9 | 18 19 | 12 58 | 3 59 | 16 42 | 0 5 | 18 15 | 0 20 | 8 30 | 0 43 | 14 55 | 0 52 | 19 20 | 1 14 | 0 46 | 0 42 | 0 55 | 1 39 | 26 48 | 9 39 | 9 56 | 9 30 | 0 55 | 11 0 | 6 24 |
| M10 | 18 35 | 6 33 | 3 1 | 17 16 | 0s 2 | 18 36 | 0 18 | 8 45 | 0 42 | 14 59 | 0 52 | 19 19 | 1 14 | 0 45 | 0 42 | 0 55 | 1 39 | 26 49 | 9 39 | 9 57 | 9 29 | 0 51 | 10 59 | 6 25 |
| T 11 | 18 50 | 0n19 | 1 51 | 17 48 | 0 9 | 18 57 | 0 15 | 9 1 | 0 42 | 15 3 | 0 52 | 19 18 | 1 14 | 0 44 | 0 42 | 0 56 | 1 39 | 26 49 | 9 39 | 9 58 | 9 28 | 0 48 | 10 58 | 6 25 |
| W12 | 19 5 | 7 14 | 0 33 | 18 20 | 0 15 | 19 17 | 0 13 | 9 16 | 0 41 | 15 7 | 0 52 | 19 17 | 1 14 | 0 43 | 0 42 | 0 56 | 1 39 | 26 49 | 9 40 | 9 58 | 9 27 | 0 45 | 10 57 | 6 26 |
| T 13 | 19 20 | 13 48 | 0n48 | 18 51 | 0 22 | 19 37 | 0 10 | 9 31 | 0 41 | 15 11 | 0 52 | 19 16 | 1 14 | 0 42 | 0 43 | 0 57 | 1 39 | 26 50 | 9 40 | 9 58 | 9 26 | 0 41 | 10 56 | 6 27 |
| F 14 | 19 34 | 19 34 | 2 5 | 19 21 | 0 28 | 19 56 | 0 8 | 9 46 | 0 41 | 15 15 | 0 52 | 19 15 | 1 14 | 0 41 | 0 43 | 0 58 | 1 39 | 26 50 | 9 40 | 9 57 | 9 24 | 0 38 | 10 56 | 6 27 |
| S 15 | 19 48 | 24 8 | 3 13 | 19 50 | 0 35 | 20 14 | 0 6 | 10 1 | 0 40 | 15 19 | 0 52 | 19 14 | 1 14 | 0 40 | 0 43 | 0 58 | 1 39 | 26 51 | 9 41 | 9 56 | 9 23 | 0 34 | 10 55 | 6 28 |
| S 16 | 20 2 | 27 6 | 4 7 | 20 19 | 0 41 | 20 32 | 0 3 | 10 16 | 0 40 | 15 23 | 0 52 | 19 13 | 1 14 | 0 39 | 0 43 | 0 59 | 1 39 | 26 51 | 9 41 | 9 54 | 9 22 | 0 31 | 10 54 | 6 29 |
| M17 | 20 15 | 28 19 | 4 45 | 20 46 | 0 47 | 20 50 | 0 1 | 10 31 | 0 39 | 15 27 | 0 52 | 19 12 | 1 14 | 0 38 | 0 43 | 0 59 | 1 39 | 26 51 | 9 42 | 9 52 | 9 21 | 0 27 | 10 53 | 6 29 |
| T 18 | 20 28 | 27 47 | 5 7 | 21 12 | 0 53 | 21 6 | 0s 1 | 10 46 | 0 39 | 15 31 | 0 52 | 19 11 | 1 14 | 0 37 | 0 43 | 1 0 | 1 39 | 26 52 | 9 42 | 9 50 | 9 20 | 0 24 | 10 52 | 6 30 |
| W19 | 20 40 | 25 43 | 5 11 | 21 38 | 0 59 | 21 23 | 0 4 | 11 0 | 0 38 | 15 35 | 0 52 | 19 10 | 1 14 | 0 37 | 0 43 | 1 0 | 1 39 | 26 52 | 9 42 | 9 48 | 9 19 | 0 21 | 10 52 | 6 31 |
| T 20 | 20 52 | 22 24 | 5 0 | 22 2 | 1 5 | 21 38 | 0 6 | 11 15 | 0 38 | 15 39 | 0 52 | 19 8 | 1 14 | 0 36 | 0 43 | 1 1 | 1 39 | 26 53 | 9 43 | 9 47 | 9 17 | 0 17 | 10 51 | 6 31 |
| F 21 | 21 4 | 18 11 | 4 35 | 22 25 | 1 10 | 21 53 | 0 9 | 11 30 | 0 37 | 15 43 | 0 52 | 19 7 | 1 14 | 0 35 | 0 43 | 1 1 | 1 39 | 26 53 | 9 43 | 9 46 | 9 16 | 0 14 | 10 50 | 6 32 |
| S 22 | 21 15 | 13 19 | 3 58 | 22 47 | 1 16 | 22 7 | 0 11 | 11 44 | 0 37 | 15 46 | 0 52 | 19 6 | 1 14 | 0 34 | 0 43 | 1 2 | 1 39 | 26 54 | 9 43 | 9 45 | 9 15 | 0 10 | 10 50 | 6 33 |
| S 23 | 21 26 | 8 2 | 3 12 | 23 8 | 1 21 | 22 21 | 0 13 | 11 59 | 0 36 | 15 50 | 0 52 | 19 5 | 1 14 | 0 33 | 0 43 | 1 2 | 1 39 | 26 54 | 9 44 | 9 46 | 9 14 | 0 7 | 10 49 | 6 33 |
| M24 | 21 37 | 2 30 | 2 17 | 23 28 | 1 26 | 22 34 | 0 16 | 12 13 | 0 36 | 15 54 | 0 52 | 19 3 | 1 14 | 0 33 | 0 43 | 1 3 | 1 39 | 26 54 | 9 44 | 9 46 | 9 13 | 0 4 | 10 49 | 6 34 |
| T 25 | 21 47 | 3s 7 | 1 17 | 23 46 | 1 31 | 22 46 | 0 18 | 12 27 | 0 35 | 15 58 | 0 52 | 19 2 | 1 14 | 0 32 | 0 43 | 1 3 | 1 39 | 26 55 | 9 44 | 9 47 | 9 12 | 0 0 | 10 48 | 6 35 |
| W26 | 21 56 | 8 39 | 0 14 | 24 4 | 1 36 | 22 58 | 0 20 | 12 42 | 0 35 | 16 1 | 0 52 | 19 1 | 1 14 | 0 31 | 0 43 | 1 4 | 1 40 | 26 55 | 9 45 | 9 47 | 9 10 | 0s 3 | 10 48 | 6 35 |
| T 27 | 22 5 | 13 57 | 0s51 | 24 20 | 1 40 | 23 9 | 0 23 | 12 56 | 0 34 | 16 5 | 0 52 | 19 0 | 1 14 | 0 30 | 0 43 | 1 4 | 1 40 | 26 56 | 9 45 | 9 47 | 9 9 | 0 7 | 10 47 | 6 36 |
| F 28 | 22 14 | 18 49 | 1 55 | 24 34 | 1 44 | 23 19 | 0 25 | 13 10 | 0 34 | 16 9 | 0 52 | 18 58 | 1 13 | 0 30 | 0 43 | 1 5 | 1 40 | 26 56 | 9 45 | 9 46 | 9 8 | 0 10 | 10 47 | 6 37 |
| S 29 | 22 23 | 22 57 | 2 54 | 24 48 | 1 48 | 23 29 | 0 27 | 13 24 | 0 33 | 16 12 | 0 52 | 18 57 | 1 13 | 0 29 | 0 43 | 1 5 | 1 40 | 26 57 | 9 46 | 9 44 | 9 7 | 0 14 | 10 46 | 6 37 |
| S 30 | 22s30 | 26s 5 | 3s46 | 25s 0 | 1s52 | 23s38 | 0s30 | 13s37 | 0n33 | 16s16 | 0n52 | 18s55 | 1s13 | 0n28 | 0n43 | 1s 6 | 1n40 | 26n57 | 9n46 | 9n42 | 9n 6 | 0s17 | 10n46 | 6s38 |

Julian Day Number = 2072732.5, Delta T = 27m38s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'08, Lahiri = 9°24'09 Julian Calendar 1 Nov. 962 == Greg. Calendar 6 Nov. 962


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# ASTRODIENST EPHEMERIS for the year 962
# geocentric

## DECEMBER 962 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 58 9 | 14♐10'25 | 25♐ 2 | 20♐55 | 20♐26 | 8♏20 | 17♏30 | 10♒26 | 0♎30 | 6♎35 | 10°R55 | 24°R45 | 23♈13 | 4♎37 | 12°R32 | M 1 |
| T 2 | 5 2 6 | 15°11'37 | 8♑15 | 22°31 | 21°41 | 9° 0 | 17°43 | 10°31 | 0°31 | 6°36 | 10♌54 | 24♈36 | 23°10 | 4°44 | 12♌31 | T 2 |
| W 3 | 5 6 3 | 16°12'49 | 21°42 | 24° 7 | 22°57 | 9°41 | 17°55 | 10°36 | 0°33 | 6°37 | 10°53 | 24°27 | 23° 7 | 4°51 | 12°29 | W 3 |
| T 4 | 5 9 59 | 17°14'01 | 5♒19 | 25°43 | 24°12 | 10°22 | 18° 8 | 10°41 | 0°35 | 6°38 | 10°52 | 24°19 | 23° 4 | 4°57 | 12°28 | T 4 |
| F 5 | 5 13 56 | 18°15'14 | 19° 5 | 27°19 | 25°28 | 11° 3 | 18°20 | 10°47 | 0°36 | 6°39 | 10°52 | 24°13 | 23° 1 | 5° 4 | 12°26 | F 5 |
| S 6 | 5 17 52 | 19°16'26 | 2♓59 | 28°55 | 26°43 | 11°44 | 18°33 | 10°52 | 0°37 | 6°40 | 10°51 | 24°10 | 22°57 | 5°11 | 12°25 | S 6 |
| S 7 | 5 21 49 | 20°17'38 | 16°59 | 0♑32 | 27°59 | 12°25 | 18°45 | 10°58 | 0°39 | 6°41 | 10°50 | 24°D 8 | 22°54 | 5°17 | 12°23 | S 7 |
| M 8 | 5 25 45 | 21°18'50 | 1♈ 5 | 2° 8 | 29°14 | 13° 6 | 18°57 | 11° 3 | 0°40 | 6°41 | 10°49 | 24° 8 | 22°51 | 5°24 | 12°21 | M 8 |
| T 9 | 5 29 42 | 22°20'02 | 15°14 | 3°45 | 0♑29 | 13°47 | 19°10 | 11° 9 | 0°41 | 6°42 | 10°48 | 24° 9 | 22°48 | 5°31 | 12°19 | T 9 |
| W10 | 5 33 38 | 23°21'14 | 29°27 | 5°21 | 1°45 | 14°28 | 19°22 | 11°14 | 0°43 | 6°43 | 10°47 | 24°R 9 | 22°45 | 5°37 | 12°18 | W10 |
| T 11 | 5 37 35 | 24°22'25 | 13♉41 | 6°57 | 3° 0 | 15° 9 | 19°34 | 11°20 | 0°44 | 6°44 | 10°47 | 24° 8 | 22°42 | 5°44 | 12°15 | T 11 |
| F 12 | 5 41 32 | 25°23'37 | 27°53 | 8°33 | 4°16 | 15°50 | 19°46 | 11°26 | 0°45 | 6°45 | 10°46 | 24° 4 | 22°38 | 5°51 | 12°13 | F 12 |
| S 13 | 5 45 28 | 26°24'48 | 11♊59 | 10° 9 | 5°31 | 16°31 | 19°58 | 11°32 | 0°46 | 6°45 | 10°45 | 23°57 | 22°35 | 5°57 | 12°11 | S 13 |
| S 14 | 5 49 25 | 27°25'59 | 25°54 | 11°44 | 6°46 | 17°13 | 20°10 | 11°37 | 0°47 | 6°46 | 10°44 | 23°47 | 22°32 | 6° 4 | 12° 9 | S 14 |
| M15 | 5 53 21 | 28°27'11 | 9♋34 | 13°19 | 8° 2 | 17°54 | 20°22 | 11°43 | 0°48 | 6°47 | 10°43 | 23°36 | 22°29 | 6°11 | 12° 6 | M15 |
| T 16 | 5 57 18 | 29°28'22 | 22°55 | 14°52 | 9°17 | 18°35 | 20°34 | 11°49 | 0°49 | 6°47 | 10°42 | 23°24 | 22°26 | 6°17 | 12° 4 | T 16 |
| W17 | 6 1 14 | 0♑29'33 | 5♌56 | 16°25 | 10°32 | 19°16 | 20°46 | 11°55 | 0°50 | 6°48 | 10°41 | 23°13 | 22°23 | 6°24 | 12° 1 | W17 |
| T 18 | 6 5 11 | 1°30'44 | 18°37 | 17°56 | 11°48 | 19°57 | 20°57 | 12° 2 | 0°50 | 6°49 | 10°40 | 23° 3 | 22°19 | 6°31 | 11°58 | T 18 |
| F 19 | 6 9 8 | 2°31'54 | 0♍58 | 19°26 | 13° 3 | 20°39 | 21° 9 | 12° 8 | 0°51 | 6°49 | 10°39 | 22°56 | 22°16 | 6°37 | 11°55 | F 19 |
| S 20 | 6 13 4 | 3°33'05 | 13° 4 | 20°53 | 14°18 | 21°20 | 21°20 | 12°14 | 0°52 | 6°50 | 10°37 | 22°52 | 22°13 | 6°44 | 11°53 | S 20 |
| S 21 | 6 17 1 | 4°34'16 | 24°59 | 22°19 | 15°34 | 22° 1 | 21°32 | 12°20 | 0°52 | 6°50 | 10°36 | 22°50 | 22°10 | 6°50 | 11°50 | S 21 |
| M22 | 6 20 57 | 5°35'26 | 6♎48 | 23°41 | 16°49 | 22°43 | 21°43 | 12°26 | 0°53 | 6°51 | 10°35 | 22°D49 | 22° 7 | 6°57 | 11°47 | M22 |
| T 23 | 6 24 54 | 6°36'37 | 18°36 | 25° 0 | 18° 4 | 23°24 | 21°55 | 12°33 | 0°53 | 6°51 | 10°34 | 22°R49 | 22° 3 | 7° 4 | 11°43 | T 23 |
| W24 | 6 28 50 | 7°37'47 | 0♏29 | 26°15 | 19°19 | 24° 6 | 22° 6 | 12°39 | 0°54 | 6°51 | 10°33 | 22°49 | 22° 0 | 7°10 | 11°40 | W24 |
| T 25 | 6 32 47 | 8°38'57 | 12°32 | 27°26 | 20°35 | 24°47 | 22°17 | 12°46 | 0°54 | 6°52 | 10°32 | 22°48 | 21°57 | 7°17 | 11°37 | T 25 |
| F 26 | 6 36 43 | 9°40'07 | 24°50 | 28°31 | 21°50 | 25°28 | 22°28 | 12°52 | 0°54 | 6°52 | 10°30 | 22°44 | 21°54 | 7°24 | 11°33 | F 26 |
| S 27 | 6 40 40 | 10°41'16 | 7♐27 | 29°29 | 23° 5 | 26°10 | 22°39 | 12°59 | 0°55 | 6°52 | 10°29 | 22°37 | 21°51 | 7°30 | 11°30 | S 27 |
| S 28 | 6 44 37 | 11°42'25 | 20°24 | 0♒21 | 24°20 | 26°52 | 22°50 | 13° 5 | 0°55 | 6°52 | 10°28 | 22°27 | 21°48 | 7°37 | 11°26 | S 28 |
| M29 | 6 48 33 | 12°43'34 | 3♑42 | 1° 5 | 25°36 | 27°33 | 23° 1 | 13°12 | 0°55 | 6°53 | 10°27 | 22°15 | 21°44 | 7°44 | 11°23 | M29 |
| T 30 | 6 52 30 | 13°44'42 | 17°20 | 1°40 | 26°51 | 28°15 | 23°12 | 13°18 | 0°55 | 6°53 | 10°25 | 22° 2 | 21°41 | 7°50 | 11°19 | T 30 |
| W31 | 6 56 26 | 14♑45'49 | 1♒13 | 2♒ 5 | 28♑ 6 | 28♏56 | 23♏22 | 13♒25 | 0°R55 | 6♎53 | 10♌24 | 21♈49 | 21♈38 | 7♎57 | 11♌15 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s38 | 27s55 | 4s26 | 25s11 | 1s55 | 23s46 | 0s32 | 13s51 | 0n32 | 16s20 | 0n52 | 18s54 | 1s13 | 0n28 | 0n43 | 1s 6 | 1n40 | 26n58 | 9n46 | 9n39 | 9n 4 | 0s20 | 10n46 | 6s39 |
| T 2 | 22 45 | 28 12 | 4 54 | 25 20 | 1 58 | 23 53 | 0 34 | 14 5 | 0 32 | 16 23 | 0 52 | 18 53 | 1 13 | 0 27 | 0 43 | 1 6 | 1 40 | 26 58 | 9 46 | 9 35 | 9 3 | 0 24 | 10 45 | 6 39 |
| W 3 | 22 51 | 26 51 | 5 6 | 25 27 | 2 1 | 24 0 | 0 36 | 14 18 | 0 31 | 16 27 | 0 52 | 18 51 | 1 13 | 0 26 | 0 43 | 1 7 | 1 40 | 26 59 | 9 47 | 9 32 | 9 2 | 0 27 | 10 45 | 6 40 |
| T 4 | 22 58 | 23 54 | 5 1 | 25 34 | 2 3 | 24 6 | 0 39 | 14 32 | 0 31 | 16 30 | 0 52 | 18 50 | 1 13 | 0 26 | 0 43 | 1 7 | 1 40 | 26 59 | 9 47 | 9 29 | 9 1 | 0 31 | 10 45 | 6 40 |
| F 5 | 23 3 | 19 35 | 4 38 | 25 38 | 2 5 | 24 11 | 0 41 | 14 45 | 0 30 | 16 34 | 0 52 | 18 48 | 1 13 | 0 25 | 0 43 | 1 7 | 1 40 | 27 0 | 9 47 | 9 27 | 9 0 | 0 34 | 10 45 | 6 41 |
| S 6 | 23 8 | 14 11 | 3 59 | 25 41 | 2 7 | 24 15 | 0 43 | 14 58 | 0 30 | 16 37 | 0 52 | 18 47 | 1 13 | 0 25 | 0 43 | 1 8 | 1 40 | 27 0 | 9 48 | 9 25 | 8 58 | 0 37 | 10 45 | 6 42 |
| S 7 | 23 13 | 8 1 | 3 6 | 25 43 | 2 8 | 24 19 | 0 45 | 15 11 | 0 29 | 16 40 | 0 52 | 18 45 | 1 13 | 0 24 | 0 43 | 1 8 | 1 40 | 27 1 | 9 48 | 9 25 | 8 57 | 0 41 | 10 45 | 6 42 |
| M 8 | 23 17 | 1 25 | 2 0 | 25 43 | 2 9 | 24 22 | 0 47 | 15 24 | 0 28 | 16 44 | 0 52 | 18 44 | 1 13 | 0 24 | 0 43 | 1 8 | 1 40 | 27 1 | 9 48 | 9 25 | 8 56 | 0 44 | 10 44 | 6 43 |
| T 9 | 23 21 | 5n18 | 0 48 | 25 41 | 2 10 | 24 24 | 0 49 | 15 37 | 0 28 | 16 47 | 0 52 | 18 42 | 1 13 | 0 23 | 0 43 | 1 9 | 1 40 | 27 2 | 9 49 | 9 25 | 8 55 | 0 48 | 10 44 | 6 43 |
| W10 | 23 24 | 11 47 | 0n28 | 25 38 | 2 10 | 24 25 | 0 51 | 15 50 | 0 27 | 16 51 | 0 52 | 18 40 | 1 13 | 0 23 | 0 43 | 1 9 | 1 40 | 27 2 | 9 49 | 9 25 | 8 54 | 0 51 | 10 44 | 6 44 |
| T 11 | 23 27 | 17 40 | 1 42 | 25 33 | 2 9 | 24 26 | 0 53 | 16 3 | 0 27 | 16 54 | 0 52 | 18 39 | 1 13 | 0 22 | 0 43 | 1 9 | 1 40 | 27 3 | 9 49 | 9 25 | 8 53 | 0 55 | 10 44 | 6 45 |
| F 12 | 23 30 | 22 33 | 2 50 | 25 26 | 2 8 | 24 26 | 0 55 | 16 15 | 0 26 | 16 57 | 0 52 | 18 37 | 1 13 | 0 22 | 0 43 | 1 9 | 1 40 | 27 4 | 9 49 | 9 23 | 8 51 | 0 58 | 10 45 | 6 45 |
| S 13 | 23 32 | 26 5 | 3 46 | 25 17 | 2 7 | 24 25 | 0 57 | 16 28 | 0 26 | 17 0 | 0 52 | 18 36 | 1 13 | 0 22 | 0 44 | 1 10 | 1 41 | 27 4 | 9 50 | 9 20 | 8 50 | 1 1 | 10 45 | 6 46 |
| S 14 | 23 33 | 27 59 | 4 28 | 25 7 | 2 4 | 24 23 | 0 59 | 16 40 | 0 25 | 17 3 | 0 52 | 18 34 | 1 13 | 0 21 | 0 44 | 1 10 | 1 41 | 27 5 | 9 50 | 9 17 | 8 49 | 1 5 | 10 45 | 6 46 |
| M15 | 23 34 | 28 7 | 4 54 | 24 55 | 2 2 | 24 21 | 1 1 | 16 52 | 0 24 | 17 7 | 0 52 | 18 32 | 1 13 | 0 21 | 0 44 | 1 10 | 1 41 | 27 5 | 9 50 | 9 13 | 8 48 | 1 8 | 10 45 | 6 47 |
| T 16 | 23 34 | 26 35 | 5 3 | 24 42 | 1 58 | 24 17 | 1 3 | 17 4 | 0 24 | 17 10 | 0 52 | 18 31 | 1 13 | 0 21 | 0 44 | 1 10 | 1 41 | 27 6 | 9 51 | 9 8 | 8 47 | 1 12 | 10 45 | 6 47 |
| W17 | 23 34 | 23 40 | 4 55 | 24 27 | 1 54 | 24 13 | 1 4 | 17 16 | 0 23 | 17 13 | 0 52 | 18 29 | 1 13 | 0 20 | 0 44 | 1 10 | 1 41 | 27 6 | 9 51 | 9 4 | 8 45 | 1 15 | 10 45 | 6 48 |
| T 18 | 23 34 | 19 40 | 4 34 | 24 10 | 1 49 | 24 9 | 1 6 | 17 28 | 0 23 | 17 16 | 0 52 | 18 27 | 1 13 | 0 20 | 0 44 | 1 11 | 1 41 | 27 7 | 9 51 | 9 1 | 8 44 | 1 19 | 10 46 | 6 48 |
| F 19 | 23 33 | 14 55 | 3 59 | 23 52 | 1 43 | 24 3 | 1 8 | 17 40 | 0 22 | 17 19 | 0 52 | 18 25 | 1 13 | 0 20 | 0 44 | 1 11 | 1 41 | 27 7 | 9 51 | 8 58 | 8 43 | 1 22 | 10 46 | 6 49 |
| S 20 | 23 32 | 9 41 | 3 15 | 23 32 | 1 37 | 23 57 | 1 9 | 17 51 | 0 21 | 17 22 | 0 52 | 18 24 | 1 13 | 0 19 | 0 44 | 1 11 | 1 41 | 27 8 | 9 52 | 8 56 | 8 42 | 1 25 | 10 46 | 6 49 |
| S 21 | 23 30 | 4 11 | 2 22 | 23 11 | 1 29 | 23 50 | 1 11 | 18 3 | 0 21 | 17 25 | 0 52 | 18 22 | 1 13 | 0 19 | 0 44 | 1 11 | 1 41 | 27 8 | 9 52 | 8 56 | 8 41 | 1 29 | 10 46 | 6 50 |
| M22 | 23 27 | 1s25 | 1 24 | 22 49 | 1 21 | 23 43 | 1 12 | 18 14 | 0 20 | 17 28 | 0 52 | 18 20 | 1 13 | 0 19 | 0 44 | 1 11 | 1 41 | 27 9 | 9 52 | 8 55 | 8 39 | 1 32 | 10 47 | 6 50 |
| T 23 | 23 25 | 6 59 | 0 22 | 22 26 | 1 12 | 23 34 | 1 14 | 18 25 | 0 19 | 17 31 | 0 52 | 18 18 | 1 13 | 0 19 | 0 44 | 1 11 | 1 41 | 27 10 | 9 52 | 8 56 | 8 38 | 1 36 | 10 47 | 6 51 |
| W24 | 23 21 | 12 20 | 0s41 | 22 2 | 1 2 | 23 25 | 1 15 | 18 36 | 0 19 | 17 34 | 0 52 | 18 16 | 1 13 | 0 19 | 0 44 | 1 11 | 1 41 | 27 10 | 9 53 | 8 55 | 8 37 | 1 39 | 10 48 | 6 51 |
| T 25 | 23 18 | 17 19 | 1 43 | 21 37 | 0 50 | 23 15 | 1 17 | 18 47 | 0 18 | 17 37 | 0 52 | 18 15 | 1 13 | 0 19 | 0 44 | 1 11 | 1 41 | 27 11 | 9 53 | 8 55 | 8 36 | 1 43 | 10 48 | 6 51 |
| F 26 | 23 13 | 21 41 | 2 41 | 21 12 | 0 38 | 23 5 | 1 18 | 18 57 | 0 17 | 17 39 | 0 52 | 18 13 | 1 13 | 0 19 | 0 44 | 1 11 | 1 41 | 27 11 | 9 53 | 8 53 | 8 35 | 1 46 | 10 49 | 6 52 |
| S 27 | 23 9 | 25 11 | 3 33 | 20 47 | 0 25 | 22 53 | 1 19 | 19 8 | 0 17 | 17 42 | 0 52 | 18 11 | 1 13 | 0 18 | 0 44 | 1 12 | 1 41 | 27 12 | 9 53 | 8 51 | 8 34 | 1 49 | 10 49 | 6 52 |
| S 28 | 23 3 | 27 28 | 4 15 | 20 22 | 0 10 | 22 41 | 1 20 | 19 18 | 0 16 | 17 45 | 0 52 | 18 9 | 1 13 | 0 18 | 0 44 | 1 12 | 1 41 | 27 12 | 9 54 | 8 47 | 8 32 | 1 53 | 10 50 | 6 53 |
| M29 | 22 58 | 28 16 | 4 45 | 19 57 | 0n 5 | 22 29 | 1 22 | 19 28 | 0 15 | 17 48 | 0 52 | 18 7 | 1 13 | 0 18 | 0 44 | 1 12 | 1 42 | 27 13 | 9 54 | 8 43 | 8 31 | 1 56 | 10 50 | 6 53 |
| T 30 | 22 52 | 27 23 | 4 59 | 19 34 | 0 21 | 22 15 | 1 23 | 19 38 | 0 15 | 17 50 | 0 52 | 18 5 | 1 13 | 0 18 | 0 44 | 1 12 | 1 42 | 27 14 | 9 54 | 8 38 | 8 30 | 2 0 | 10 51 | 6 53 |
| W31 | 22s45 | 24s49 | 4s56 | 19s11 | 0n38 | 22s 2 | 1s24 | 19s48 | 0n14 | 17s53 | 0n52 | 18s 3 | 1s13 | 0n18 | 0n44 | 1s12 | 1n42 | 27n14 | 9n54 | 8n33 | 8n29 | 2s 3 | 10n52 | 6s54 |

Julian Day Number = 2072762.5, Delta T = 27m38s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'13, Lahiri = 9°24'13 Julian Calendar 1 Dec. 962 == Greg. Calendar 6 Dec. 962


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## JANUARY 963 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 0 23 | 15♑46'56 | 15♒18 | 2♒20 | 29♑21 | 29♏38 | 23♏33 | 13♒32 | 0°R55 | 6♎53 | 10°R23 | 21°R38 | 21♈35 | 8♎ 4 | 11°R12 | T 1 |
| F 2 | 7 4 19 | 16°48'01 | 29°30 | 2°R24 | 0♒37 | 0♐20 | 23°43 | 13°39 | 0♎55 | 6°53 | 10♌22 | 21♈29 | 21°32 | 8°10 | 11♌ 8 | F 2 |
| S 3 | 7 8 16 | 17°49'05 | 13♓44 | 2°16 | 1°52 | 1° 1 | 23°54 | 13°45 | 0°55 | 6°R53 | 10°20 | 21°23 | 21°29 | 8°17 | 11° 4 | S 3 |
| S 4 | 7 12 12 | 18°50'08 | 27°56 | 1°57 | 3° 7 | 1°43 | 24° 4 | 13°52 | 0°55 | 6°53 | 10°19 | 21°20 | 21°25 | 8°24 | 11° 0 | S 4 |
| M 5 | 7 16 9 | 19°51'10 | 12♈ 4 | 1°27 | 4°22 | 2°25 | 24°14 | 13°59 | 0°55 | 6°53 | 10°18 | 21°19 | 21°22 | 8°30 | 10°56 | M 5 |
| T 6 | 7 20 6 | 20°52'11 | 26° 8 | 0°45 | 5°37 | 3° 6 | 24°24 | 14° 6 | 0°54 | 6°53 | 10°16 | 21°19 | 21°19 | 8°37 | 10°52 | T 6 |
| W 7 | 7 24 2 | 21°53'11 | 10♉ 6 | 29♑54 | 6°52 | 3°48 | 24°34 | 14°13 | 0°54 | 6°53 | 10°15 | 21°18 | 21°16 | 8°44 | 10°48 | W 7 |
| T 8 | 7 27 59 | 22°54'09 | 23°59 | 28°55 | 8° 7 | 4°30 | 24°44 | 14°20 | 0°54 | 6°53 | 10°13 | 21°16 | 21°13 | 8°50 | 10°44 | T 8 |
| F 9 | 7 31 55 | 23°55'06 | 7♊45 | 27°48 | 9°22 | 5°12 | 24°54 | 14°27 | 0°53 | 6°52 | 10°12 | 21°11 | 21° 9 | 8°57 | 10°39 | F 9 |
| S 10 | 7 35 52 | 24°56'02 | 21°23 | 26°37 | 10°37 | 5°54 | 25° 3 | 14°34 | 0°53 | 6°52 | 10°11 | 21° 2 | 21° 6 | 9° 4 | 10°35 | S 10 |
| S 11 | 7 39 48 | 25°56'56 | 4♋52 | 25°23 | 11°52 | 6°35 | 25°13 | 14°41 | 0°52 | 6°52 | 10° 9 | 20°51 | 21° 3 | 9°10 | 10°31 | S 11 |
| M12 | 7 43 45 | 26°57'50 | 18° 9 | 24° 9 | 13° 7 | 7°17 | 25°22 | 14°48 | 0°51 | 6°52 | 10° 8 | 20°38 | 21° 0 | 9°17 | 10°26 | M12 |
| T 13 | 7 47 42 | 27°58'42 | 1♌12 | 22°56 | 14°22 | 7°59 | 25°32 | 14°55 | 0°51 | 6°51 | 10° 6 | 20°25 | 20°57 | 9°23 | 10°22 | T 13 |
| W14 | 7 51 38 | 28°59'33 | 14° 0 | 21°47 | 15°37 | 8°41 | 25°41 | 15° 2 | 0°50 | 6°51 | 10° 5 | 20°12 | 20°54 | 9°30 | 10°18 | W14 |
| T 15 | 7 55 35 | 0♒ 0'23 | 26°32 | 20°43 | 16°52 | 9°23 | 25°50 | 15° 9 | 0°49 | 6°51 | 10° 3 | 20° 0 | 20°50 | 9°37 | 10°13 | T 15 |
| F 16 | 7 59 31 | 1° 1'11 | 8♍49 | 19°45 | 18° 7 | 10° 5 | 25°59 | 15°16 | 0°48 | 6°50 | 10° 2 | 19°51 | 20°47 | 9°43 | 10° 9 | F 16 |
| S 17 | 8 3 28 | 2° 1'58 | 20°53 | 18°55 | 19°22 | 10°47 | 26° 8 | 15°24 | 0°47 | 6°50 | 10° 1 | 19°45 | 20°44 | 9°50 | 10° 4 | S 17 |
| S 18 | 8 7 24 | 3° 2'45 | 2♎47 | 18°12 | 20°37 | 11°29 | 26°16 | 15°31 | 0°46 | 6°49 | 9°59 | 19°41 | 20°41 | 9°57 | 10° 0 | S 18 |
| M19 | 8 11 21 | 4° 3'30 | 14°35 | 17°38 | 21°52 | 12°11 | 26°25 | 15°38 | 0°45 | 6°49 | 9°58 | 19°D40 | 20°38 | 10° 3 | 9°55 | M19 |
| T 20 | 8 15 17 | 5° 4'14 | 26°23 | 17°11 | 23° 6 | 12°53 | 26°34 | 15°45 | 0°44 | 6°48 | 9°56 | 19°40 | 20°34 | 10°10 | 9°51 | T 20 |
| W21 | 8 19 14 | 6° 4'57 | 8♏15 | 16°53 | 24°21 | 13°35 | 26°42 | 15°52 | 0°43 | 6°48 | 9°55 | 19°R40 | 20°31 | 10°17 | 9°46 | W21 |
| T 22 | 8 23 11 | 7° 5'39 | 20°18 | 16°43 | 25°36 | 14°17 | 26°50 | 16° 0 | 0°42 | 6°47 | 9°53 | 19°40 | 20°28 | 10°23 | 9°41 | T 22 |
| F 23 | 8 27 7 | 8° 6'20 | 2♐36 | 16°D40 | 26°51 | 15° 0 | 26°58 | 16° 7 | 0°41 | 6°46 | 9°52 | 19°37 | 20°25 | 10°30 | 9°37 | F 23 |
| S 24 | 8 31 4 | 9° 6'59 | 15°15 | 16°45 | 28° 5 | 15°42 | 27° 6 | 16°14 | 0°40 | 6°46 | 9°50 | 19°32 | 20°22 | 10°37 | 9°32 | S 24 |
| S 25 | 8 35 0 | 10° 7'37 | 28°17 | 16°56 | 29°20 | 16°24 | 27°14 | 16°21 | 0°38 | 6°45 | 9°49 | 19°24 | 20°19 | 10°43 | 9°28 | S 25 |
| M26 | 8 38 57 | 11° 8'14 | 11♑45 | 17°13 | 0♓35 | 17° 6 | 27°22 | 16°29 | 0°37 | 6°44 | 9°47 | 19°14 | 20°15 | 10°50 | 9°23 | M26 |
| T 27 | 8 42 53 | 12° 8'50 | 25°38 | 17°36 | 1°49 | 17°48 | 27°29 | 16°36 | 0°36 | 6°43 | 9°46 | 19° 3 | 20°12 | 10°57 | 9°19 | T 27 |
| W28 | 8 46 50 | 13° 9'24 | 9♒52 | 18° 5 | 3° 4 | 18°31 | 27°37 | 16°43 | 0°34 | 6°43 | 9°44 | 18°52 | 20° 9 | 11° 3 | 9°14 | W28 |
| T 29 | 8 50 46 | 14° 9'56 | 24°22 | 18°38 | 4°19 | 19°13 | 27°44 | 16°51 | 0°33 | 6°42 | 9°43 | 18°42 | 20° 6 | 11°10 | 9° 9 | T 29 |
| F 30 | 8 54 43 | 15°10'27 | 9♓ 1 | 19°16 | 5°33 | 19°55 | 27°51 | 16°58 | 0°31 | 6°41 | 9°41 | 18°34 | 20° 3 | 11°16 | 9° 5 | F 30 |
| S 31 | 8 58 40 | 16♒10'56 | 23♓42 | 19♑59 | 6♓48 | 20♐38 | 27♏58 | 17♒ 5 | 0♎30 | 6♎40 | 9♌40 | 18♈29 | 20♈ 0 | 11♎23 | 9♌ 0 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s38 | 20s43 | 4s35 | 18s51 | 0n56 | 21s47 | 1s25 | 19s58 | 0n13 | 17s55 | 0n52 | 18s 1 | 1s13 | 0n18 | 0n44 | 1s12 | 1n42 | 27n15 | 9n54 | 8n29 | 8n28 | 2s 6 | 10n52 | 6s54 |
| F 2 | 22 31 | 15 25 | 3 57 | 18 32 | 1 14 | 21 32 | 1 26 | 20 8 | 0 13 | 17 58 | 0 52 | 17 59 | 1 13 | 0 19 | 0 44 | 1 11 | 1 42 | 27 15 | 9 55 | 8 25 | 8 26 | 2 10 | 10 53 | 6 54 |
| S 3 | 22 23 | 9 16 | 3 5 | 18 16 | 1 32 | 21 16 | 1 26 | 20 17 | 0 12 | 18 1 | 0 52 | 17 57 | 1 13 | 0 19 | 0 44 | 1 11 | 1 42 | 27 16 | 9 55 | 8 23 | 8 25 | 2 13 | 10 54 | 6 55 |
| S 4 | 22 15 | 2 40 | 2 0 | 18 2 | 1 51 | 20 59 | 1 27 | 20 26 | 0 11 | 18 3 | 0 52 | 17 55 | 1 13 | 0 19 | 0 44 | 1 11 | 1 42 | 27 16 | 9 55 | 8 22 | 8 24 | 2 17 | 10 55 | 6 55 |
| M 5 | 22 6 | 4n 3 | 0 49 | 17 52 | 2 9 | 20 42 | 1 28 | 20 35 | 0 11 | 18 6 | 0 52 | 17 53 | 1 13 | 0 19 | 0 44 | 1 11 | 1 42 | 27 17 | 9 55 | 8 22 | 8 23 | 2 20 | 10 55 | 6 55 |
| T 6 | 21 57 | 10 32 | 0n25 | 17 44 | 2 26 | 20 24 | 1 29 | 20 44 | 0 10 | 18 8 | 0 52 | 17 51 | 1 13 | 0 19 | 0 44 | 1 11 | 1 42 | 27 18 | 9 55 | 8 22 | 8 22 | 2 24 | 10 56 | 6 56 |
| W 7 | 21 47 | 16 28 | 1 38 | 17 39 | 2 42 | 20 6 | 1 29 | 20 53 | 0 9 | 18 10 | 0 52 | 17 49 | 1 13 | 0 19 | 0 44 | 1 11 | 1 42 | 27 18 | 9 55 | 8 21 | 8 20 | 2 27 | 10 57 | 6 56 |
| T 8 | 21 37 | 21 30 | 2 43 | 17 37 | 2 57 | 19 47 | 1 30 | 21 1 | 0 8 | 18 13 | 0 52 | 17 47 | 1 13 | 0 19 | 0 45 | 1 11 | 1 42 | 27 19 | 9 56 | 8 20 | 8 19 | 2 30 | 10 58 | 6 56 |
| F 9 | 21 27 | 25 19 | 3 39 | 17 37 | 3 10 | 19 27 | 1 30 | 21 10 | 0 8 | 18 15 | 0 52 | 17 45 | 1 13 | 0 20 | 0 45 | 1 11 | 1 42 | 27 19 | 9 56 | 8 18 | 8 18 | 2 34 | 10 59 | 6 56 |
| S 10 | 21 16 | 27 38 | 4 21 | 17 40 | 3 21 | 19 7 | 1 31 | 21 18 | 0 7 | 18 17 | 0 53 | 17 43 | 1 13 | 0 20 | 0 45 | 1 11 | 1 42 | 27 20 | 9 56 | 8 15 | 8 17 | 2 37 | 11 0 | 6 57 |
| S 11 | 21 5 | 28 18 | 4 49 | 17 45 | 3 29 | 18 47 | 1 31 | 21 26 | 0 6 | 18 20 | 0 53 | 17 41 | 1 13 | 0 20 | 0 45 | 1 11 | 1 42 | 27 20 | 9 56 | 8 11 | 8 16 | 2 41 | 11 1 | 6 57 |
| M12 | 20 53 | 27 17 | 5 0 | 17 52 | 3 35 | 18 26 | 1 31 | 21 34 | 0 5 | 18 22 | 0 53 | 17 39 | 1 13 | 0 20 | 0 45 | 1 10 | 1 42 | 27 21 | 9 56 | 8 6 | 8 14 | 2 44 | 11 2 | 6 57 |
| T 13 | 20 41 | 24 48 | 4 55 | 18 1 | 3 39 | 18 4 | 1 31 | 21 41 | 0 5 | 18 24 | 0 53 | 17 37 | 1 13 | 0 21 | 0 45 | 1 10 | 1 42 | 27 21 | 9 56 | 8 1 | 8 13 | 2 48 | 11 3 | 6 57 |
| W14 | 20 29 | 21 6 | 4 35 | 18 11 | 3 40 | 17 42 | 1 31 | 21 49 | 0 4 | 18 26 | 0 53 | 17 35 | 1 13 | 0 21 | 0 45 | 1 10 | 1 43 | 27 22 | 9 57 | 7 56 | 8 12 | 2 51 | 11 4 | 6 57 |
| T 15 | 20 16 | 16 32 | 4 2 | 18 22 | 3 39 | 17 19 | 1 31 | 21 56 | 0 3 | 18 28 | 0 53 | 17 33 | 1 13 | 0 21 | 0 45 | 1 10 | 1 43 | 27 23 | 9 57 | 7 52 | 8 11 | 2 54 | 11 5 | 6 57 |
| F 16 | 20 3 | 11 22 | 3 18 | 18 33 | 3 36 | 16 56 | 1 31 | 22 3 | 0 2 | 18 30 | 0 53 | 17 31 | 1 13 | 0 22 | 0 45 | 1 10 | 1 43 | 27 23 | 9 57 | 7 48 | 8 10 | 2 58 | 11 6 | 6 58 |
| S 17 | 19 49 | 5 52 | 2 26 | 18 45 | 3 31 | 16 33 | 1 31 | 22 10 | 0 2 | 18 32 | 0 53 | 17 29 | 1 13 | 0 22 | 0 45 | 1 9 | 1 43 | 27 24 | 9 57 | 7 46 | 8 8 | 3 1 | 11 7 | 6 58 |
| S 18 | 19 35 | 0 14 | 1 28 | 18 57 | 3 24 | 16 9 | 1 31 | 22 17 | 0 1 | 18 34 | 0 53 | 17 27 | 1 13 | 0 23 | 0 45 | 1 9 | 1 43 | 27 24 | 9 57 | 7 45 | 8 7 | 3 5 | 11 8 | 6 58 |
| M19 | 19 21 | 5s22 | 0 27 | 19 10 | 3 16 | 15 44 | 1 31 | 22 23 | 0s 0 | 18 36 | 0 53 | 17 25 | 1 13 | 0 23 | 0 45 | 1 9 | 1 43 | 27 25 | 9 57 | 7 44 | 8 6 | 3 8 | 11 9 | 6 58 |
| T 20 | 19 6 | 10 47 | 0s36 | 19 22 | 3 7 | 15 19 | 1 31 | 22 29 | 0 1 | 18 38 | 0 53 | 17 22 | 1 14 | 0 23 | 0 45 | 1 9 | 1 43 | 27 25 | 9 57 | 7 44 | 8 5 | 3 12 | 11 10 | 6 58 |
| W21 | 18 52 | 15 52 | 1 37 | 19 34 | 2 57 | 14 54 | 1 30 | 22 35 | 0 2 | 18 40 | 0 53 | 17 20 | 1 14 | 0 24 | 0 45 | 1 8 | 1 43 | 27 26 | 9 57 | 7 44 | 8 4 | 3 15 | 11 11 | 6 58 |
| T 22 | 18 36 | 20 25 | 2 35 | 19 46 | 2 46 | 14 28 | 1 30 | 22 41 | 0 2 | 18 42 | 0 53 | 17 18 | 1 14 | 0 24 | 0 45 | 1 8 | 1 43 | 27 26 | 9 57 | 7 44 | 8 2 | 3 18 | 11 12 | 6 58 |
| F 23 | 18 21 | 24 11 | 3 27 | 19 58 | 2 35 | 14 2 | 1 30 | 22 47 | 0 3 | 18 44 | 0 53 | 17 16 | 1 14 | 0 25 | 0 45 | 1 8 | 1 43 | 27 27 | 9 58 | 7 43 | 8 1 | 3 22 | 11 13 | 6 58 |
| S 24 | 18 5 | 26 54 | 4 11 | 20 9 | 2 24 | 13 36 | 1 29 | 22 52 | 0 4 | 18 45 | 0 53 | 17 14 | 1 14 | 0 25 | 0 45 | 1 7 | 1 43 | 27 27 | 9 58 | 7 41 | 8 0 | 3 25 | 11 15 | 6 58 |
| S 25 | 17 48 | 28 17 | 4 43 | 20 19 | 2 12 | 13 9 | 1 28 | 22 58 | 0 5 | 18 47 | 0 53 | 17 12 | 1 14 | 0 26 | 0 45 | 1 7 | 1 43 | 27 28 | 9 58 | 7 38 | 7 59 | 3 29 | 11 16 | 6 58 |
| M26 | 17 32 | 28 2 | 5 0 | 20 29 | 2 0 | 12 42 | 1 28 | 23 3 | 0 6 | 18 49 | 0 54 | 17 10 | 1 14 | 0 26 | 0 45 | 1 7 | 1 43 | 27 28 | 9 58 | 7 34 | 7 58 | 3 32 | 11 17 | 6 58 |
| T 27 | 17 15 | 26 4 | 5 1 | 20 38 | 1 48 | 12 14 | 1 27 | 23 7 | 0 7 | 18 51 | 0 54 | 17 7 | 1 14 | 0 27 | 0 45 | 1 6 | 1 43 | 27 29 | 9 58 | 7 30 | 7 56 | 3 35 | 11 18 | 6 58 |
| W28 | 16 58 | 22 25 | 4 43 | 20 46 | 1 36 | 11 46 | 1 26 | 23 12 | 0 8 | 18 52 | 0 54 | 17 5 | 1 14 | 0 28 | 0 45 | 1 6 | 1 43 | 27 29 | 9 58 | 7 26 | 7 55 | 3 39 | 11 20 | 6 58 |
| T 29 | 16 40 | 17 21 | 4 7 | 20 53 | 1 24 | 11 18 | 1 25 | 23 16 | 0 8 | 18 54 | 0 54 | 17 3 | 1 14 | 0 28 | 0 45 | 1 6 | 1 43 | 27 30 | 9 58 | 7 22 | 7 54 | 3 42 | 11 21 | 6 58 |
| F 30 | 16 23 | 11 13 | 3 14 | 20 59 | 1 12 | 10 50 | 1 24 | 23 21 | 0 9 | 18 55 | 0 54 | 17 1 | 1 14 | 0 29 | 0 45 | 1 5 | 1 43 | 27 30 | 9 58 | 7 19 | 7 53 | 3 46 | 11 22 | 6 58 |
| S 31 | 16s 5 | 4s29 | 2s 8 | 21s 5 | 1n 1 | 10s21 | 1s23 | 23s25 | 0s10 | 18s57 | 0n54 | 16s59 | 1s14 | 0n30 | 0n45 | 1s 5 | 1n43 | 27n31 | 9n58 | 7n17 | 7n52 | 3s49 | 11n23 | 6s58 |

Julian Day Number = 2072793.5, Delta T = 27m37s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'17, Lahiri = 9°24'17 Julian Calendar 1 Jan. 963 == Greg. Calendar 6 Jan. 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## FEBRUARY 963 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 2 36 | 17♒11'23 | 8♈17 | 20♉45 | 8♓ 2 | 21♐20 | 28♏ 5 | 17♒13 | 0°R28 | 6°R39 | 9°R38 | 18°R27 | 19♈56 | 11♎30 | 8°R56 | S 1 |
| M 2 | 9 6 33 | 18°11'47 | 22°42 | 21°34 | 9°17 | 22° 2 | 28°12 | 17°20 | 0♎26 | 6♎38 | 9♌37 | 18°D26 | 19°53 | 11°36 | 8♌51 | M 2 |
| T 3 | 9 10 29 | 19°12'10 | 6♉55 | 22°27 | 10°31 | 22°45 | 28°18 | 17°27 | 0°25 | 6°37 | 9°36 | 18♈27 | 19°50 | 11°43 | 8°47 | T 3 |
| W 4 | 9 14 26 | 20°12'31 | 20°54 | 23°24 | 11°46 | 23°27 | 28°25 | 17°34 | 0°23 | 6°36 | 9°34 | 18°R27 | 19°47 | 11°50 | 8°42 | W 4 |
| T 5 | 9 18 22 | 21°12'50 | 4♊38 | 24°23 | 13° 0 | 24° 9 | 28°31 | 17°42 | 0°21 | 6°35 | 9°33 | 18°26 | 19°44 | 11°56 | 8°38 | T 5 |
| F 6 | 9 22 19 | 22°13'07 | 18° 9 | 25°24 | 14°14 | 24°52 | 28°37 | 17°49 | 0°19 | 6°34 | 9°31 | 18°23 | 19°40 | 12° 3 | 8°33 | F 6 |
| S 7 | 9 26 15 | 23°13'22 | 1♋28 | 26°28 | 15°29 | 25°34 | 28°43 | 17°56 | 0°18 | 6°33 | 9°30 | 18°18 | 19°37 | 12°10 | 8°29 | S 7 |
| S 8 | 9 30 12 | 24°13'35 | 14°34 | 27°35 | 16°43 | 26°17 | 28°49 | 18° 4 | 0°16 | 6°32 | 9°28 | 18°10 | 19°34 | 12°16 | 8°25 | S 8 |
| M 9 | 9 34 9 | 25°13'46 | 27°28 | 28°43 | 17°57 | 26°59 | 28°54 | 18°11 | 0°14 | 6°31 | 9°27 | 18° 1 | 19°31 | 12°23 | 8°20 | M 9 |
| T 10 | 9 38 5 | 26°13'54 | 10♌10 | 29°54 | 19°11 | 27°42 | 29° 0 | 18°18 | 0°12 | 6°30 | 9°26 | 17°51 | 19°28 | 12°30 | 8°16 | T 10 |
| W11 | 9 42 2 | 27°14'01 | 22°39 | 1♒ 6 | 20°25 | 28°24 | 29° 5 | 18°25 | 0°10 | 6°29 | 9°24 | 17°42 | 19°25 | 12°36 | 8°12 | W11 |
| T 12 | 9 45 58 | 28°14'06 | 4♍58 | 2°21 | 21°40 | 29° 7 | 29°10 | 18°33 | 0° 8 | 6°27 | 9°23 | 17°33 | 19°21 | 12°43 | 8° 8 | T 12 |
| F 13 | 9 49 55 | 29°14'08 | 17° 5 | 3°37 | 22°54 | 29°49 | 29°15 | 18°40 | 0° 6 | 6°26 | 9°21 | 17°27 | 19°18 | 12°50 | 8° 4 | F 13 |
| S 14 | 9 53 51 | 0♓14'09 | 29° 3 | 4°54 | 24° 8 | 0♉32 | 29°20 | 18°47 | 0° 4 | 6°25 | 9°20 | 17°23 | 19°15 | 12°56 | 7°59 | S 14 |
| S 15 | 9 57 48 | 1°14'09 | 10♎54 | 6°14 | 25°22 | 1°15 | 29°25 | 18°54 | 0° 2 | 6°24 | 9°19 | 17°21 | 19°12 | 13° 3 | 7°55 | S 15 |
| M16 | 10 1 44 | 2°14'06 | 22°41 | 7°35 | 26°36 | 1°57 | 29°29 | 19° 2 | 29♍59 | 6°23 | 9°17 | 17°D21 | 19° 9 | 13° 9 | 7°51 | M16 |
| T 17 | 10 5 41 | 3°14'01 | 4♏29 | 8°57 | 27°49 | 2°40 | 29°34 | 19° 9 | 29°57 | 6°21 | 9°16 | 17°22 | 19° 6 | 13°16 | 7°47 | T 17 |
| W18 | 10 9 38 | 4°13'55 | 16°21 | 10°21 | 29° 3 | 3°23 | 29°38 | 19°16 | 29°55 | 6°20 | 9°15 | 17°24 | 19° 2 | 13°23 | 7°44 | W18 |
| T 19 | 10 13 34 | 5°13'48 | 28°22 | 11°46 | 0♈17 | 4° 5 | 29°42 | 19°23 | 29°53 | 6°19 | 9°13 | 17°25 | 18°59 | 13°29 | 7°40 | T 19 |
| F 20 | 10 17 31 | 6°13'38 | 10♐38 | 13°13 | 1°31 | 4°48 | 29°46 | 19°30 | 29°50 | 6°17 | 9°12 | 17°R25 | 18°56 | 13°36 | 7°36 | F 20 |
| S 21 | 10 21 27 | 7°13'27 | 23°14 | 14°41 | 2°45 | 5°31 | 29°49 | 19°37 | 29°48 | 6°16 | 9°11 | 17°24 | 18°53 | 13°43 | 7°32 | S 21 |
| S 22 | 10 25 24 | 8°13'14 | 6♉14 | 16°10 | 3°58 | 6°13 | 29°53 | 19°44 | 29°46 | 6°14 | 9°10 | 17°20 | 18°50 | 13°49 | 7°29 | S 22 |
| M23 | 10 29 20 | 9°12'59 | 19°41 | 17°41 | 5°12 | 6°56 | 29°56 | 19°51 | 29°43 | 6°13 | 9° 8 | 17°16 | 18°46 | 13°56 | 7°25 | M23 |
| T 24 | 10 33 17 | 10°12'43 | 3♒36 | 19°13 | 6°26 | 7°39 | 29°59 | 19°58 | 29°41 | 6°12 | 9° 7 | 17°10 | 18°43 | 14° 3 | 7°22 | T 24 |
| W25 | 10 37 13 | 11°12'25 | 17°56 | 20°46 | 7°39 | 8°22 | 0♐ 2 | 20° 5 | 29°39 | 6°10 | 9° 6 | 17° 4 | 18°40 | 14° 9 | 7°18 | W25 |
| T 26 | 10 41 10 | 12°12'04 | 2♓38 | 22°20 | 8°53 | 9° 4 | 0° 5 | 20°12 | 29°36 | 6° 9 | 9° 5 | 16°59 | 18°37 | 14°16 | 7°15 | T 26 |
| F 27 | 10 45 7 | 13°11'42 | 17°35 | 23°56 | 10° 6 | 9°47 | 0° 8 | 20°19 | 29°34 | 6° 7 | 9° 3 | 16°55 | 18°34 | 14°23 | 7°12 | F 27 |
| S 28 | 10 49 3 | 14♓11'17 | 2♈37 | 25♒33 | 11♈20 | 10♉30 | 0♐10 | 20♒26 | 29♍31 | 6♎ 6 | 9♌ 2 | 16♈53 | 18♈31 | 14♎29 | 7♌ 9 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s46 | 2n29 | 0s54 | 21s 9 | 0n50 | 9s52 | 1s22 | 23s28 | 0s11 | 18s58 | 0n54 | 16s57 | 1s14 | 0n30 | 0n45 | 1s 4 | 1n44 | 27n31 | 9n58 | 7n16 | 7n50 | 3s53 | 11n25 | 6s57 |
| M 2 | 15 28 | 9 14 | 0n23 | 21 12 | 0 38 | 9 23 | 1 21 | 23 32 | 0 12 | 19 0 | 0 54 | 16 54 | 1 14 | 0 31 | 0 45 | 1 4 | 1 44 | 27 31 | 9 58 | 7 16 | 7 49 | 3 56 | 11 26 | 6 57 |
| T 3 | 15 9 | 15 26 | 1 37 | 21 14 | 0 28 | 8 54 | 1 20 | 23 35 | 0 13 | 19 1 | 0 54 | 16 52 | 1 14 | 0 32 | 0 45 | 1 4 | 1 44 | 27 32 | 9 58 | 7 16 | 7 48 | 3 59 | 11 27 | 6 57 |
| W 4 | 14 50 | 20 43 | 2 45 | 21 15 | 0 17 | 8 24 | 1 18 | 23 39 | 0 14 | 19 2 | 0 54 | 16 50 | 1 14 | 0 32 | 0 45 | 1 3 | 1 44 | 27 32 | 9 58 | 7 16 | 7 47 | 4 3 | 11 28 | 6 57 |
| T 5 | 14 31 | 24 49 | 3 41 | 21 15 | 0 7 | 7 54 | 1 17 | 23 41 | 0 15 | 19 4 | 0 54 | 16 48 | 1 14 | 0 33 | 0 45 | 1 3 | 1 44 | 27 33 | 9 58 | 7 16 | 7 46 | 4 6 | 11 30 | 6 57 |
| F 6 | 14 11 | 27 26 | 4 25 | 21 14 | 0s 3 | 7 24 | 1 16 | 23 44 | 0 16 | 19 5 | 0 54 | 16 46 | 1 14 | 0 34 | 0 45 | 1 2 | 1 44 | 27 33 | 9 58 | 7 15 | 7 44 | 4 10 | 11 31 | 6 57 |
| S 7 | 13 51 | 28 27 | 4 53 | 21 11 | 0 13 | 6 54 | 1 14 | 23 47 | 0 17 | 19 6 | 0 54 | 16 43 | 1 15 | 0 35 | 0 45 | 1 2 | 1 44 | 27 34 | 9 58 | 7 13 | 7 43 | 4 13 | 11 32 | 6 56 |
| S 8 | 13 31 | 27 50 | 5 5 | 21 8 | 0 22 | 6 23 | 1 13 | 23 49 | 0 17 | 19 7 | 0 54 | 16 41 | 1 15 | 0 35 | 0 45 | 1 1 | 1 44 | 27 34 | 9 58 | 7 10 | 7 42 | 4 16 | 11 34 | 6 56 |
| M 9 | 13 11 | 25 43 | 5 2 | 21 3 | 0 31 | 5 53 | 1 11 | 23 51 | 0 18 | 19 9 | 0 55 | 16 39 | 1 15 | 0 36 | 0 45 | 1 1 | 1 44 | 27 34 | 9 58 | 7 6 | 7 41 | 4 20 | 11 35 | 6 56 |
| T 10 | 12 51 | 22 20 | 4 43 | 20 56 | 0 40 | 5 22 | 1 9 | 23 53 | 0 19 | 19 10 | 0 55 | 16 37 | 1 15 | 0 37 | 0 46 | 1 0 | 1 44 | 27 35 | 9 58 | 7 3 | 7 40 | 4 23 | 11 36 | 6 56 |
| W11 | 12 30 | 18 0 | 4 11 | 20 49 | 0 48 | 4 51 | 1 7 | 23 54 | 0 20 | 19 11 | 0 55 | 16 35 | 1 15 | 0 38 | 0 46 | 1 0 | 1 44 | 27 35 | 9 58 | 6 59 | 7 38 | 4 27 | 11 38 | 6 55 |
| T 12 | 12 9 | 12 58 | 3 28 | 20 40 | 0 56 | 4 20 | 1 6 | 23 56 | 0 21 | 19 12 | 0 55 | 16 32 | 1 15 | 0 39 | 0 46 | 0 59 | 1 44 | 27 36 | 9 58 | 6 56 | 7 37 | 4 30 | 11 39 | 6 55 |
| F 13 | 11 48 | 7 31 | 2 36 | 20 29 | 1 4 | 3 49 | 1 4 | 23 57 | 0 22 | 19 13 | 0 55 | 16 30 | 1 15 | 0 39 | 0 46 | 0 59 | 1 44 | 27 36 | 9 58 | 6 53 | 7 36 | 4 33 | 11 40 | 6 55 |
| S 14 | 11 27 | 1 52 | 1 37 | 20 18 | 1 11 | 3 18 | 1 2 | 23 58 | 0 23 | 19 14 | 0 55 | 16 28 | 1 15 | 0 40 | 0 46 | 0 58 | 1 44 | 27 36 | 9 58 | 6 52 | 7 35 | 4 37 | 11 42 | 6 54 |
| S 15 | 11 6 | 3s48 | 0 35 | 20 5 | 1 18 | 2 46 | 1 0 | 23 58 | 0 24 | 19 15 | 0 55 | 16 26 | 1 15 | 0 41 | 0 46 | 0 58 | 1 44 | 27 37 | 9 58 | 6 51 | 7 33 | 4 40 | 11 43 | 6 54 |
| M16 | 10 44 | 9 19 | 0s29 | 19 50 | 1 24 | 2 15 | 0 58 | 23 59 | 0 25 | 19 16 | 0 55 | 16 24 | 1 15 | 0 42 | 0 46 | 0 57 | 1 44 | 27 37 | 9 58 | 6 51 | 7 32 | 4 44 | 11 44 | 6 54 |
| T 17 | 10 23 | 14 31 | 1 32 | 19 35 | 1 31 | 1 43 | 0 56 | 23 59 | 0 26 | 19 16 | 0 55 | 16 22 | 1 15 | 0 43 | 0 46 | 0 57 | 1 44 | 27 37 | 9 58 | 6 51 | 7 31 | 4 47 | 11 46 | 6 53 |
| W18 | 10 1 | 19 14 | 2 31 | 19 18 | 1 36 | 1 12 | 0 54 | 23 59 | 0 27 | 19 17 | 0 55 | 16 19 | 1 15 | 0 44 | 0 46 | 0 56 | 1 44 | 27 38 | 9 58 | 6 52 | 7 30 | 4 51 | 11 47 | 6 53 |
| T 19 | 9 39 | 23 14 | 3 24 | 18 59 | 1 42 | 0 40 | 0 51 | 23 59 | 0 28 | 19 18 | 0 55 | 16 17 | 1 16 | 0 45 | 0 46 | 0 55 | 1 44 | 27 38 | 9 58 | 6 52 | 7 29 | 4 54 | 11 48 | 6 53 |
| F 20 | 9 17 | 26 17 | 4 10 | 18 39 | 1 47 | 0 9 | 0 49 | 23 58 | 0 29 | 19 19 | 0 55 | 16 15 | 1 16 | 0 46 | 0 46 | 0 55 | 1 44 | 27 38 | 9 58 | 6 53 | 7 27 | 4 57 | 11 50 | 6 52 |
| S 21 | 8 54 | 28 8 | 4 44 | 18 18 | 1 51 | 0n23 | 0 47 | 23 58 | 0 30 | 19 19 | 0 56 | 16 13 | 1 16 | 0 47 | 0 46 | 0 54 | 1 44 | 27 39 | 9 58 | 6 52 | 7 26 | 5 1 | 11 51 | 6 52 |
| S 22 | 8 32 | 28 31 | 5 5 | 17 55 | 1 56 | 0 54 | 0 45 | 23 57 | 0 31 | 19 20 | 0 56 | 16 11 | 1 16 | 0 48 | 0 46 | 0 54 | 1 44 | 27 39 | 9 58 | 6 51 | 7 25 | 5 4 | 11 52 | 6 51 |
| M23 | 8 10 | 27 15 | 5 11 | 17 31 | 1 59 | 1 26 | 0 42 | 23 56 | 0 32 | 19 21 | 0 56 | 16 9 | 1 16 | 0 49 | 0 46 | 0 53 | 1 44 | 27 39 | 9 58 | 6 49 | 7 24 | 5 8 | 11 54 | 6 51 |
| T 24 | 7 47 | 24 17 | 4 58 | 17 5 | 2 3 | 1 57 | 0 40 | 23 54 | 0 33 | 19 21 | 0 56 | 16 7 | 1 16 | 0 49 | 0 46 | 0 53 | 1 45 | 27 39 | 9 58 | 6 47 | 7 23 | 5 11 | 11 55 | 6 51 |
| W25 | 7 24 | 19 47 | 4 27 | 16 38 | 2 6 | 2 29 | 0 37 | 23 53 | 0 34 | 19 22 | 0 56 | 16 4 | 1 16 | 0 50 | 0 46 | 0 52 | 1 45 | 27 40 | 9 58 | 6 45 | 7 21 | 5 14 | 11 56 | 6 50 |
| T 26 | 7 1 | 13 59 | 3 38 | 16 10 | 2 8 | 3 0 | 0 35 | 23 51 | 0 35 | 19 22 | 0 56 | 16 2 | 1 16 | 0 51 | 0 46 | 0 51 | 1 45 | 27 40 | 9 58 | 6 43 | 7 20 | 5 18 | 11 57 | 6 50 |
| F 27 | 6 38 | 7 17 | 2 33 | 15 40 | 2 11 | 3 32 | 0 32 | 23 49 | 0 36 | 19 23 | 0 56 | 16 0 | 1 16 | 0 52 | 0 46 | 0 51 | 1 45 | 27 40 | 9 57 | 6 41 | 7 19 | 5 21 | 11 59 | 6 49 |
| S 28 | 6s15 | 0s 8 | 1s17 | 15s 9 | 2s12 | 4n 3 | 0s30 | 23s47 | 0s37 | 19s23 | 0n56 | 15s58 | 1s16 | 0n53 | 0n46 | 0s50 | 1n45 | 27n40 | 9n57 | 6n40 | 7n18 | 5s25 | 12n 0 | 6s49 |

Julian Day Number = 2072824.5, Delta T = 27m37s
Ecliptic obliquity = 23°34'34, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'21, Lahiri = 9°24'22 Julian Calendar 1 Feb. 963 == Greg. Calendar 6 Feb. 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## MARCH 963 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 53 0 | 15♓10'50 | 17♈36 | 27♒11 | 12♈33 | 11♉13 | 0♐12 | 20♒33 | 29°R29 | 6°R 4 | 9°R 1 | 16°D52 | 18♈27 | 14♎36 | 7°R 5 | S 1 |
| M 2 | 10 56 56 | 16°10'21 | 2♉24 | 28°51 | 13°46 | 11°56 | 0°14 | 20°40 | 29♍26 | 6♎ 3 | 9♌ 0 | 16♈53 | 18°24 | 14°42 | 7♌ 2 | M 2 |
| T 3 | 11 0 53 | 17° 9'50 | 16°55 | 0♓32 | 15° 0 | 12°38 | 0°16 | 20°47 | 29°24 | 6° 1 | 8°59 | 16°54 | 18°21 | 14°49 | 6°59 | T 3 |
| W 4 | 11 4 49 | 18° 9'17 | 1♊ 7 | 2°14 | 16°13 | 13°21 | 0°18 | 20°54 | 29°21 | 6° 0 | 8°58 | 16°56 | 18°18 | 14°56 | 6°57 | W 4 |
| T 5 | 11 8 46 | 19° 8'41 | 14°57 | 3°57 | 17°26 | 14° 4 | 0°19 | 21° 0 | 29°19 | 5°58 | 8°57 | 16°R56 | 18°15 | 15° 2 | 6°54 | T 5 |
| F 6 | 11 12 42 | 20° 8'03 | 28°26 | 5°42 | 18°39 | 14°47 | 0°20 | 21° 7 | 29°16 | 5°57 | 8°56 | 16°56 | 18°12 | 15° 9 | 6°51 | F 6 |
| S 7 | 11 16 39 | 21° 7'22 | 11♋36 | 7°28 | 19°52 | 15°30 | 0°22 | 21°14 | 29°14 | 5°55 | 8°55 | 16°55 | 18° 8 | 15°16 | 6°49 | S 7 |
| S 8 | 11 20 35 | 22° 6'39 | 24°28 | 9°15 | 21° 5 | 16°13 | 0°22 | 21°20 | 29°11 | 5°53 | 8°54 | 16°52 | 18° 5 | 15°22 | 6°46 | S 8 |
| M 9 | 11 24 32 | 23° 5'54 | 7♌ 6 | 11° 4 | 22°18 | 16°56 | 0°23 | 21°27 | 29° 9 | 5°52 | 8°53 | 16°49 | 18° 2 | 15°29 | 6°44 | M 9 |
| T 10 | 11 28 29 | 24° 5'06 | 19°30 | 12°54 | 23°31 | 17°38 | 0°24 | 21°34 | 29° 6 | 5°50 | 8°52 | 16°45 | 17°59 | 15°36 | 6°41 | T 10 |
| W11 | 11 32 25 | 25° 4'16 | 1♍44 | 14°46 | 24°44 | 18°21 | 0°24 | 21°40 | 29° 4 | 5°49 | 8°51 | 16°41 | 17°56 | 15°42 | 6°39 | W11 |
| T 12 | 11 36 22 | 26° 3'23 | 13°49 | 16°39 | 25°57 | 19° 4 | 0°R24 | 21°47 | 29° 1 | 5°47 | 8°50 | 16°38 | 17°52 | 15°49 | 6°37 | T 12 |
| F 13 | 11 40 18 | 27° 2'29 | 25°46 | 18°33 | 27° 9 | 19°47 | 0°24 | 21°53 | 28°58 | 5°45 | 8°49 | 16°36 | 17°49 | 15°56 | 6°35 | F 13 |
| S 14 | 11 44 15 | 28° 1'32 | 7♎37 | 20°28 | 28°22 | 20°30 | 0°24 | 21°59 | 28°56 | 5°44 | 8°48 | 16°35 | 17°46 | 16° 2 | 6°33 | S 14 |
| S 15 | 11 48 11 | 29° 0'34 | 19°26 | 22°25 | 29°34 | 21°13 | 0°24 | 22° 6 | 28°53 | 5°42 | 8°47 | 16°D35 | 17°43 | 16° 9 | 6°31 | S 15 |
| M16 | 11 52 8 | 29°59'33 | 1♏13 | 24°24 | 0♉47 | 21°56 | 0°23 | 22°12 | 28°51 | 5°40 | 8°46 | 16°35 | 17°40 | 16°15 | 6°29 | M16 |
| T 17 | 11 56 4 | 0♈58'31 | 13° 2 | 26°23 | 1°59 | 22°39 | 0°22 | 22°18 | 28°48 | 5°39 | 8°45 | 16°36 | 17°37 | 16°22 | 6°28 | T 17 |
| W18 | 12 0 1 | 1°57'27 | 24°57 | 28°24 | 3°12 | 23°22 | 0°21 | 22°25 | 28°46 | 5°37 | 8°45 | 16°38 | 17°33 | 16°29 | 6°26 | W18 |
| T 19 | 12 3 58 | 2°56'21 | 7♐ 0 | 0♈26 | 4°24 | 24° 5 | 0°20 | 22°31 | 28°43 | 5°36 | 8°44 | 16°39 | 17°30 | 16°35 | 6°25 | T 19 |
| F 20 | 12 7 54 | 3°55'13 | 19°17 | 2°29 | 5°36 | 24°48 | 0°19 | 22°37 | 28°40 | 5°34 | 8°43 | 16°40 | 17°27 | 16°42 | 6°23 | F 20 |
| S 21 | 12 11 51 | 4°54'03 | 1♑51 | 4°33 | 6°49 | 25°31 | 0°17 | 22°43 | 28°38 | 5°32 | 8°42 | 16°R40 | 17°24 | 16°49 | 6°22 | S 21 |
| S 22 | 12 15 47 | 5°52'52 | 14°46 | 6°38 | 8° 1 | 26°14 | 0°16 | 22°49 | 28°35 | 5°31 | 8°42 | 16°40 | 17°21 | 16°55 | 6°21 | S 22 |
| M23 | 12 19 44 | 6°51'39 | 28° 6 | 8°44 | 9°13 | 26°57 | 0°14 | 22°55 | 28°33 | 5°29 | 8°41 | 16°40 | 17°17 | 17° 2 | 6°20 | M23 |
| T 24 | 12 23 40 | 7°50'24 | 11♒53 | 10°50 | 10°25 | 27°40 | 0°12 | 23° 1 | 28°30 | 5°27 | 8°41 | 16°39 | 17°14 | 17° 9 | 6°19 | T 24 |
| W25 | 12 27 37 | 8°49'07 | 26° 7 | 12°56 | 11°37 | 28°22 | 0° 9 | 23° 7 | 28°28 | 5°26 | 8°40 | 16°38 | 17°11 | 17°15 | 6°18 | W25 |
| T 26 | 12 31 33 | 9°47'48 | 10♓45 | 15° 3 | 12°49 | 29° 5 | 0° 7 | 23°12 | 28°25 | 5°24 | 8°39 | 16°37 | 17° 8 | 17°22 | 6°18 | T 26 |
| F 27 | 12 35 30 | 10°46'28 | 25°42 | 17° 9 | 14° 0 | 29°48 | 0° 4 | 23°18 | 28°23 | 5°22 | 8°39 | 16°36 | 17° 5 | 17°29 | 6°17 | F 27 |
| S 28 | 12 39 27 | 11°45'06 | 10♈52 | 19°15 | 15°12 | 0♒31 | 0° 2 | 23°24 | 28°20 | 5°21 | 8°38 | 16°D36 | 17° 2 | 17°35 | 6°16 | S 28 |
| S 29 | 12 43 23 | 12°43'41 | 26° 3 | 21°20 | 16°24 | 1°14 | 29♏59 | 23°29 | 28°18 | 5°19 | 8°38 | 16°36 | 16°58 | 17°42 | 6°16 | S 29 |
| M30 | 12 47 20 | 13°42'15 | 11♉ 8 | 23°24 | 17°35 | 1°57 | 29°55 | 23°35 | 28°15 | 5°18 | 8°37 | 16°36 | 16°55 | 17°49 | 6°16 | M30 |
| T 31 | 12 51 16 | 14♈40'47 | 25♉57 | 25♈26 | 18♉47 | 2♒40 | 29♏52 | 23♒41 | 28♍13 | 5♎16 | 8♌37 | 16♈37 | 16♈52 | 17♎55 | 6♌16 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 5s52 | 7n 0 | 0n 4 | 14s36 | 2s14 | 4n34 | 0s27 | 23s44 | 0s39 | 19s24 | 0n56 | 15s56 | 1s17 | 0n54 | 0n46 | 0s49 | 1n45 | 27n41 | 9n57 | 6n40 | 7n16 | 5s28 | 12n 1 | 6s48 | |
| M 2 | 5 29 | 13 41 | 1 24 | 14 2 | 2 14 | 5 5 | 0 24 | 23 42 | 0 40 | 19 24 | 0 56 | 15 54 | 1 17 | 0 55 | 0 46 | 0 49 | 1 45 | 27 41 | 9 57 | 6 40 | 7 15 | 5 31 | 12 2 | 6 48 | |
| T 3 | 5 6 | 19 30 | 2 37 | 13 27 | 2 15 | 5 37 | 0 22 | 23 39 | 0 41 | 19 24 | 0 56 | 15 52 | 1 17 | 0 56 | 0 46 | 0 48 | 1 45 | 27 41 | 9 57 | 6 41 | 7 14 | 5 35 | 12 4 | 6 47 | |
| W 4 | 4 43 | 24 4 | 3 39 | 12 50 | 2 15 | 6 7 | 0 19 | 23 36 | 0 42 | 19 25 | 0 56 | 15 50 | 1 17 | 0 57 | 0 46 | 0 48 | 1 45 | 27 41 | 9 57 | 6 41 | 7 13 | 5 38 | 12 5 | 6 47 | |
| T 5 | 4 19 | 27 8 | 4 27 | 12 12 | 2 14 | 6 38 | 0 16 | 23 32 | 0 43 | 19 25 | 0 57 | 15 48 | 1 17 | 0 58 | 0 46 | 0 47 | 1 45 | 27 42 | 9 57 | 6 42 | 7 12 | 5 41 | 12 6 | 6 46 | |
| F 6 | 3 56 | 28 32 | 4 58 | 11 32 | 2 13 | 7 9 | 0 13 | 23 29 | 0 44 | 19 25 | 0 57 | 15 46 | 1 17 | 0 59 | 0 46 | 0 46 | 1 45 | 27 42 | 9 57 | 6 41 | 7 10 | 5 45 | 12 7 | 6 45 | |
| S 7 | 3 32 | 28 16 | 5 13 | 10 51 | 2 12 | 7 39 | 0 10 | 23 25 | 0 45 | 19 25 | 0 57 | 15 43 | 1 17 | 1 0 | 0 46 | 0 46 | 1 45 | 27 42 | 9 57 | 6 41 | 7 9 | 5 48 | 12 8 | 6 45 | |
| S 8 | 3 9 | 26 27 | 5 11 | 10 9 | 2 10 | 8 10 | 0 7 | 23 21 | 0 46 | 19 25 | 0 57 | 15 41 | 1 17 | 1 1 | 0 46 | 0 45 | 1 45 | 27 42 | 9 56 | 6 40 | 7 8 | 5 52 | 12 10 | 6 44 | |
| M 9 | 2 45 | 23 21 | 4 55 | 9 25 | 2 7 | 8 40 | 0 4 | 23 17 | 0 47 | 19 25 | 0 57 | 15 39 | 1 18 | 1 2 | 0 46 | 0 44 | 1 45 | 27 42 | 9 56 | 6 39 | 7 7 | 5 55 | 12 11 | 6 44 | |
| T 10 | 2 22 | 19 14 | 4 25 | 8 40 | 2 4 | 9 10 | 0 2 | 23 12 | 0 48 | 19 25 | 0 57 | 15 37 | 1 18 | 1 4 | 0 46 | 0 44 | 1 45 | 27 42 | 9 56 | 6 37 | 7 6 | 5 58 | 12 12 | 6 43 | |
| W11 | 1 58 | 14 23 | 3 43 | 7 53 | 2 1 | 9 39 | 0n 1 | 23 8 | 0 50 | 19 25 | 0 57 | 15 35 | 1 18 | 1 5 | 0 46 | 0 43 | 1 45 | 27 42 | 9 56 | 6 36 | 7 4 | 6 2 | 12 13 | 6 43 | |
| T 12 | 1 35 | 9 2 | 2 51 | 7 5 | 1 57 | 10 9 | 0 4 | 23 3 | 0 51 | 19 25 | 0 57 | 15 33 | 1 18 | 1 6 | 0 46 | 0 42 | 1 45 | 27 43 | 9 56 | 6 35 | 7 3 | 6 5 | 12 14 | 6 42 | |
| F 13 | 1 11 | 3 25 | 1 52 | 6 16 | 1 52 | 10 38 | 0 7 | 22 58 | 0 52 | 19 25 | 0 57 | 15 31 | 1 18 | 1 7 | 0 46 | 0 42 | 1 45 | 27 43 | 9 56 | 6 34 | 7 2 | 6 9 | 12 15 | 6 41 | |
| S 14 | 0 47 | 2s17 | 0 49 | 5 26 | 1 47 | 11 7 | 0 10 | 22 53 | 0 53 | 19 25 | 0 57 | 15 29 | 1 18 | 1 8 | 0 46 | 0 41 | 1 45 | 27 43 | 9 56 | 6 33 | 7 1 | 6 12 | 12 16 | 6 41 | |
| S 15 | 0 24 | 7 53 | 0s16 | 4 34 | 1 41 | 11 36 | 0 13 | 22 47 | 0 54 | 19 25 | 0 57 | 15 28 | 1 18 | 1 9 | 0 46 | 0 40 | 1 45 | 27 43 | 9 56 | 6 33 | 6 59 | 6 15 | 12 17 | 6 40 | |
| M16 | 0 0 | 13 13 | 1 20 | 3 42 | 1 35 | 12 4 | 0 16 | 22 41 | 0 55 | 19 25 | 0 57 | 15 26 | 1 18 | 1 10 | 0 46 | 0 40 | 1 45 | 27 43 | 9 55 | 6 33 | 6 58 | 6 19 | 12 18 | 6 39 | |
| T 17 | 0n23 | 18 5 | 2 21 | 2 48 | 1 28 | 12 32 | 0 20 | 22 35 | 0 57 | 19 25 | 0 57 | 15 24 | 1 19 | 1 11 | 0 46 | 0 39 | 1 45 | 27 43 | 9 55 | 6 34 | 6 57 | 6 22 | 12 19 | 6 39 | |
| W18 | 0 47 | 22 18 | 3 17 | 1 53 | 1 21 | 13 0 | 0 23 | 22 29 | 0 58 | 19 24 | 0 57 | 15 22 | 1 19 | 1 12 | 0 46 | 0 38 | 1 45 | 27 43 | 9 55 | 6 34 | 6 56 | 6 26 | 12 20 | 6 38 | |
| T 19 | 1 10 | 25 37 | 4 5 | 0 57 | 1 13 | 13 28 | 0 26 | 22 23 | 0 59 | 19 24 | 0 58 | 15 20 | 1 19 | 1 13 | 0 46 | 0 38 | 1 45 | 27 43 | 9 55 | 6 35 | 6 55 | 6 29 | 12 21 | 6 37 | |
| F 20 | 1 34 | 27 49 | 4 42 | 0 0 | 1 5 | 13 55 | 0 29 | 22 17 | 1 0 | 19 24 | 0 58 | 15 18 | 1 19 | 1 14 | 0 46 | 0 37 | 1 45 | 27 43 | 9 55 | 6 35 | 6 53 | 6 32 | 12 22 | 6 37 | |
| S 21 | 1 57 | 28 41 | 5 7 | 0n57 | 0 57 | 14 22 | 0 32 | 22 10 | 1 1 | 19 23 | 0 58 | 15 16 | 1 19 | 1 15 | 0 46 | 0 36 | 1 45 | 27 43 | 9 55 | 6 35 | 6 52 | 6 36 | 12 23 | 6 36 | |
| S 22 | 2 21 | 28 0 | 5 17 | 1 55 | 0 47 | 14 49 | 0 35 | 22 3 | 1 2 | 19 23 | 0 58 | 15 14 | 1 19 | 1 16 | 0 46 | 0 36 | 1 45 | 27 43 | 9 54 | 6 35 | 6 51 | 6 39 | 12 24 | 6 35 | |
| M23 | 2 44 | 25 44 | 5 11 | 2 54 | 0 38 | 15 15 | 0 38 | 21 56 | 1 4 | 19 22 | 0 58 | 15 12 | 1 20 | 1 17 | 0 46 | 0 35 | 1 45 | 27 43 | 9 54 | 6 35 | 6 50 | 6 42 | 12 25 | 6 35 | |
| T 24 | 3 8 | 21 55 | 4 47 | 3 53 | 0 28 | 15 41 | 0 41 | 21 48 | 1 5 | 19 22 | 0 58 | 15 11 | 1 20 | 1 18 | 0 46 | 0 34 | 1 45 | 27 43 | 9 54 | 6 35 | 6 48 | 6 46 | 12 26 | 6 34 | |
| W25 | 3 31 | 16 43 | 4 5 | 4 52 | 0 18 | 16 6 | 0 44 | 21 41 | 1 6 | 19 21 | 0 58 | 15 9 | 1 20 | 1 19 | 0 46 | 0 34 | 1 45 | 27 43 | 9 54 | 6 34 | 6 47 | 6 49 | 12 27 | 6 33 | |
| T 26 | 3 54 | 10 27 | 3 6 | 5 51 | 0 7 | 16 31 | 0 47 | 21 33 | 1 7 | 19 21 | 0 58 | 15 7 | 1 20 | 1 20 | 0 46 | 0 33 | 1 45 | 27 43 | 9 54 | 6 34 | 6 46 | 6 53 | 12 28 | 6 33 | |
| F 27 | 4 17 | 3 27 | 1 54 | 6 50 | 0n 4 | 16 56 | 0 50 | 21 25 | 1 9 | 19 20 | 0 58 | 15 5 | 1 20 | 1 21 | 0 46 | 0 32 | 1 45 | 27 43 | 9 54 | 6 34 | 6 45 | 6 56 | 12 29 | 6 32 | |
| S 28 | 4 40 | 3n50 | 0 32 | 7 48 | 0 15 | 17 20 | 0 53 | 21 17 | 1 10 | 19 20 | 0 58 | 15 4 | 1 20 | 1 22 | 0 46 | 0 32 | 1 45 | 27 43 | 9 53 | 6 34 | 6 44 | 6 59 | 12 29 | 6 31 | |
| S 29 | 5 3 | 10 56 | 0n52 | 8 46 | 0 26 | 17 44 | 0 56 | 21 9 | 1 11 | 19 19 | 0 58 | 15 2 | 1 20 | 1 23 | 0 46 | 0 31 | 1 45 | 27 43 | 9 53 | 6 34 | 6 42 | 7 3 | 12 30 | 6 31 | |
| M30 | 5 26 | 17 21 | 2 12 | 9 42 | 0 37 | 18 8 | 0 59 | 21 1 | 1 12 | 19 18 | 0 58 | 15 0 | 1 21 | 1 24 | 0 46 | 0 31 | 1 45 | 27 43 | 9 53 | 6 34 | 6 41 | 7 6 | 12 31 | 6 30 | |
| T 31 | 5n49 | 22n37 | 3n22 | 10n38 | 0n48 | 18n31 | 1n 3 | 20s52 | 1s13 | 19s17 | 0n58 | 14s58 | 1s21 | 1n25 | 0n46 | 0s30 | 1n45 | 27n43 | 9n53 | 6n34 | 6n40 | 7s 9 | 12n32 | 6s29 | |

Julian Day Number = 2072852.5, Delta T = 27m36s
Ecliptic obliquity = 23°34'34, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'25, Lahiri = 9°24'25 Julian Calendar 1 March 963 == Greg. Calendar 6 March 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## APRIL 963 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 55 13 | 15♈39'16 | 10♊24 | 27♈27 | 19♉58 | 3♒23 | 29°R49 | 23♒46 | 28°R10 | 5°R14 | 8°R36 | 16♈37 | 16♈49 | 18♎ 2 | 6°D15 | W 1 |
| T 2 | 12 59 9 | 16°37'44 | 24°26 | 29°26 | 21°10 | 4° 6 | 29♏45 | 23°51 | 28♍ 8 | 5♎13 | 8♌36 | 16°R37 | 16°46 | 18° 8 | 6♌15 | T 2 |
| F 3 | 13 3 6 | 17°36'09 | 8♋ 3 | 1♉22 | 22°21 | 4°49 | 29°41 | 23°57 | 28° 5 | 5°11 | 8°36 | 16°37 | 16°43 | 18°15 | 6°16 | F 3 |
| S 4 | 13 7 2 | 18°34'32 | 21°14 | 3°15 | 23°32 | 5°31 | 29°37 | 24° 2 | 28° 3 | 5° 9 | 8°35 | 16°D37 | 16°39 | 18°22 | 6°16 | S 4 |
| S 5 | 13 10 59 | 19°32'53 | 4♌ 4 | 5° 6 | 24°43 | 6°14 | 29°33 | 24° 7 | 28° 1 | 5° 8 | 8°35 | 16°37 | 16°36 | 18°28 | 6°16 | S 5 |
| M 6 | 13 14 56 | 20°31'11 | 16°34 | 6°53 | 25°55 | 6°57 | 29°29 | 24°12 | 27°58 | 5° 6 | 8°35 | 16°37 | 16°33 | 18°35 | 6°17 | M 6 |
| T 7 | 13 18 52 | 21°29'28 | 28°49 | 8°37 | 27° 5 | 7°40 | 29°24 | 24°17 | 27°56 | 5° 5 | 8°34 | 16°38 | 16°30 | 18°42 | 6°17 | T 7 |
| W 8 | 13 22 49 | 22°27'42 | 10♍52 | 10°18 | 28°16 | 8°23 | 29°20 | 24°22 | 27°54 | 5° 3 | 8°34 | 16°38 | 16°27 | 18°48 | 6°18 | W 8 |
| T 9 | 13 26 45 | 23°25'55 | 22°47 | 11°54 | 29°27 | 9° 5 | 29°15 | 24°27 | 27°52 | 5° 2 | 8°34 | 16°39 | 16°23 | 18°55 | 6°19 | T 9 |
| F 10 | 13 30 42 | 24°24'05 | 4♎37 | 13°27 | 0♊38 | 9°48 | 29°10 | 24°32 | 27°49 | 5° 0 | 8°34 | 16°39 | 16°20 | 19° 2 | 6°20 | F 10 |
| S 11 | 13 34 38 | 25°22'14 | 16°25 | 14°56 | 1°48 | 10°31 | 29° 5 | 24°37 | 27°47 | 4°59 | 8°34 | 16°R39 | 16°17 | 19° 8 | 6°21 | S 11 |
| S 12 | 13 38 35 | 26°20'21 | 28°13 | 16°20 | 2°59 | 11°14 | 28°59 | 24°41 | 27°45 | 4°57 | 8°34 | 16°39 | 16°14 | 19°15 | 6°22 | S 12 |
| M13 | 13 42 31 | 27°18'26 | 10♏ 3 | 17°41 | 4° 9 | 11°56 | 28°54 | 24°46 | 27°43 | 4°56 | 8°33 | 16°38 | 16°11 | 19°22 | 6°23 | M13 |
| T 14 | 13 46 28 | 28°16'29 | 21°58 | 18°57 | 5°20 | 12°39 | 28°49 | 24°51 | 27°41 | 4°54 | 8°33 | 16°37 | 16° 8 | 19°28 | 6°24 | T 14 |
| W15 | 13 50 24 | 29°14'31 | 3♐59 | 20° 8 | 6°30 | 13°22 | 28°43 | 24°55 | 27°39 | 4°53 | 8°33 | 16°36 | 16° 4 | 19°35 | 6°26 | W15 |
| T 16 | 13 54 21 | 0♉12'32 | 16°10 | 21°16 | 7°40 | 14° 4 | 28°37 | 25° 0 | 27°37 | 4°51 | 8°D33 | 16°34 | 16° 1 | 19°41 | 6°27 | T 16 |
| F 17 | 13 58 18 | 1°10'31 | 28°33 | 22°18 | 8°50 | 14°47 | 28°31 | 25° 4 | 27°35 | 4°50 | 8°33 | 16°32 | 15°58 | 19°48 | 6°29 | F 17 |
| S 18 | 14 2 14 | 2° 8'28 | 11♑11 | 23°17 | 10° 0 | 15°30 | 28°25 | 25° 8 | 27°33 | 4°48 | 8°33 | 16°30 | 15°55 | 19°55 | 6°30 | S 18 |
| S 19 | 14 6 11 | 3° 6'24 | 24° 6 | 24°10 | 11°10 | 16°12 | 28°19 | 25°12 | 27°31 | 4°47 | 8°33 | 16°29 | 15°52 | 20° 1 | 6°32 | S 19 |
| M20 | 14 10 7 | 4° 4'19 | 7♒21 | 24°59 | 12°19 | 16°55 | 28°13 | 25°16 | 27°29 | 4°45 | 8°34 | 16°D29 | 15°49 | 20° 8 | 6°34 | M20 |
| T 21 | 14 14 4 | 5° 2'13 | 20°59 | 25°43 | 13°29 | 17°37 | 28° 6 | 25°20 | 27°27 | 4°44 | 8°34 | 16°30 | 15°45 | 20°15 | 6°36 | T 21 |
| W22 | 14 18 0 | 6° 0'05 | 5♓ 0 | 26°22 | 14°39 | 18°20 | 28° 0 | 25°24 | 27°25 | 4°43 | 8°34 | 16°31 | 15°42 | 20°21 | 6°38 | W22 |
| T 23 | 14 21 57 | 6°57'56 | 19°24 | 26°57 | 15°48 | 19° 2 | 27°53 | 25°28 | 27°23 | 4°41 | 8°34 | 16°32 | 15°39 | 20°28 | 6°41 | T 23 |
| F 24 | 14 25 54 | 7°55'46 | 4♈ 9 | 27°26 | 16°57 | 19°45 | 27°47 | 25°32 | 27°21 | 4°40 | 8°34 | 16°33 | 15°36 | 20°35 | 6°43 | F 24 |
| S 25 | 14 29 50 | 8°53'34 | 19° 9 | 27°51 | 18° 6 | 20°27 | 27°40 | 25°36 | 27°20 | 4°39 | 8°35 | 16°R33 | 15°33 | 20°41 | 6°45 | S 25 |
| S 26 | 14 33 47 | 9°51'21 | 4♉17 | 28°10 | 19°16 | 21° 9 | 27°33 | 25°39 | 27°18 | 4°38 | 8°35 | 16°33 | 15°29 | 20°48 | 6°48 | S 26 |
| M27 | 14 37 43 | 10°49'07 | 19°23 | 28°25 | 20°25 | 21°51 | 27°26 | 25°43 | 27°16 | 4°36 | 8°35 | 16°31 | 15°26 | 20°55 | 6°50 | M27 |
| T 28 | 14 41 40 | 11°46'51 | 4♊18 | 28°35 | 21°33 | 22°34 | 27°19 | 25°46 | 27°15 | 4°35 | 8°36 | 16°28 | 15°23 | 21° 1 | 6°53 | T 28 |
| W29 | 14 45 36 | 12°44'34 | 18°55 | 28°40 | 22°42 | 23°16 | 27°12 | 25°50 | 27°13 | 4°34 | 8°36 | 16°24 | 15°20 | 21° 8 | 6°56 | W29 |
| T 30 | 14 49 33 | 13♉42'16 | 3♋ 8 | 28°R40 | 23♊51 | 23♒58 | 27♏ 5 | 25♒53 | 27♍12 | 4♎33 | 8♌36 | 16♈20 | 15♈17 | 21♎15 | 6♌59 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n12 | 26n22 | 4n17 | 11n32 | 0n59 | 18n53 | 1n 5 | 20s43 | 1s15 | 19s17 | 0n58 | 14s57 | 1s21 | 1n26 | 0n46 | 0s29 | 1n45 | 27n43 | 9n53 | 6n34 | 6n39 | 7s13 | 12n32 | 6s29 |
| T 2 | 6 34 | 28 22 | 4 54 | 12 25 | 1 9 | 19 15 | 1 8 | 20 34 | 1 16 | 19 16 | 0 58 | 14 55 | 1 21 | 1 27 | 0 46 | 0 29 | 1 45 | 27 43 | 9 52 | 6 34 | 6 37 | 7 16 | 12 33 | 6 28 |
| F 3 | 6 57 | 28 33 | 5 14 | 13 16 | 1 20 | 19 37 | 1 11 | 20 25 | 1 17 | 19 15 | 0 58 | 14 54 | 1 21 | 1 28 | 0 46 | 0 28 | 1 45 | 27 43 | 9 52 | 6 34 | 6 36 | 7 19 | 12 34 | 6 27 |
| S 4 | 7 19 | 27 6 | 5 17 | 14 5 | 1 30 | 19 58 | 1 14 | 20 16 | 1 18 | 19 14 | 0 58 | 14 52 | 1 21 | 1 29 | 0 46 | 0 27 | 1 45 | 27 43 | 9 52 | 6 34 | 6 35 | 7 23 | 12 34 | 6 26 |
| S 5 | 7 41 | 24 15 | 5 3 | 14 51 | 1 39 | 20 18 | 1 17 | 20 6 | 1 20 | 19 13 | 0 58 | 14 50 | 1 22 | 1 29 | 0 46 | 0 27 | 1 45 | 27 43 | 9 52 | 6 34 | 6 34 | 7 26 | 12 35 | 6 26 |
| M 6 | 8 4 | 20 20 | 4 36 | 15 36 | 1 49 | 20 38 | 1 20 | 19 57 | 1 21 | 19 12 | 0 58 | 14 49 | 1 22 | 1 30 | 0 46 | 0 26 | 1 45 | 27 43 | 9 52 | 6 34 | 6 33 | 7 30 | 12 35 | 6 25 |
| T 7 | 8 26 | 15 38 | 3 56 | 16 18 | 1 57 | 20 58 | 1 23 | 19 47 | 1 22 | 19 11 | 0 58 | 14 47 | 1 22 | 1 31 | 0 46 | 0 25 | 1 45 | 27 43 | 9 51 | 6 34 | 6 31 | 7 33 | 12 36 | 6 24 |
| W 8 | 8 47 | 10 24 | 3 6 | 16 58 | 2 5 | 21 17 | 1 26 | 19 37 | 1 24 | 19 10 | 0 58 | 14 46 | 1 22 | 1 32 | 0 46 | 0 25 | 1 45 | 27 42 | 9 51 | 6 35 | 6 30 | 7 36 | 12 37 | 6 24 |
| T 9 | 9 9 | 4 51 | 2 9 | 17 35 | 2 12 | 21 35 | 1 29 | 19 27 | 1 25 | 19 9 | 0 58 | 14 44 | 1 22 | 1 33 | 0 46 | 0 24 | 1 45 | 27 42 | 9 51 | 6 35 | 6 29 | 7 40 | 12 37 | 6 23 |
| F 10 | 9 31 | 0s50 | 1 6 | 18 10 | 2 19 | 21 53 | 1 31 | 19 17 | 1 26 | 19 8 | 0 58 | 14 43 | 1 22 | 1 34 | 0 45 | 0 24 | 1 45 | 27 42 | 9 51 | 6 35 | 6 28 | 7 43 | 12 38 | 6 22 |
| S 11 | 9 52 | 6 28 | 0 1 | 18 42 | 2 24 | 22 10 | 1 34 | 19 6 | 1 27 | 19 7 | 0 58 | 14 41 | 1 23 | 1 35 | 0 45 | 0 23 | 1 45 | 27 42 | 9 51 | 6 35 | 6 26 | 7 46 | 12 38 | 6 21 |
| S 12 | 10 13 | 11 53 | 1s 4 | 19 12 | 2 29 | 22 27 | 1 37 | 18 56 | 1 29 | 19 6 | 0 58 | 14 40 | 1 23 | 1 36 | 0 45 | 0 22 | 1 45 | 27 42 | 9 50 | 6 35 | 6 25 | 7 50 | 12 38 | 6 21 |
| M13 | 10 34 | 16 54 | 2 6 | 19 39 | 2 33 | 22 43 | 1 39 | 18 45 | 1 30 | 19 5 | 0 58 | 14 39 | 1 23 | 1 36 | 0 45 | 0 22 | 1 45 | 27 42 | 9 50 | 6 35 | 6 24 | 7 53 | 12 39 | 6 20 |
| T 14 | 10 55 | 21 19 | 3 4 | 20 3 | 2 36 | 22 59 | 1 42 | 18 34 | 1 31 | 19 3 | 0 58 | 14 37 | 1 23 | 1 37 | 0 45 | 0 21 | 1 45 | 27 41 | 9 50 | 6 34 | 6 23 | 7 56 | 12 39 | 6 19 |
| W15 | 11 16 | 24 53 | 3 53 | 20 25 | 2 38 | 23 14 | 1 44 | 18 23 | 1 33 | 19 2 | 0 58 | 14 36 | 1 23 | 1 38 | 0 45 | 0 21 | 1 45 | 27 41 | 9 50 | 6 33 | 6 21 | 8 0 | 12 40 | 6 19 |
| T 16 | 11 37 | 27 23 | 4 33 | 20 45 | 2 40 | 23 28 | 1 47 | 18 12 | 1 34 | 19 1 | 0 58 | 14 35 | 1 24 | 1 39 | 0 45 | 0 20 | 1 45 | 27 41 | 9 50 | 6 33 | 6 20 | 8 3 | 12 40 | 6 18 |
| F 17 | 11 57 | 28 35 | 5 1 | 21 2 | 2 40 | 23 42 | 1 49 | 18 1 | 1 35 | 19 0 | 0 58 | 14 33 | 1 24 | 1 40 | 0 45 | 0 20 | 1 45 | 27 41 | 9 49 | 6 32 | 6 19 | 8 6 | 12 40 | 6 17 |
| S 18 | 12 17 | 28 20 | 5 15 | 21 16 | 2 39 | 23 55 | 1 52 | 17 49 | 1 37 | 18 58 | 0 58 | 14 32 | 1 24 | 1 40 | 0 45 | 0 19 | 1 45 | 27 41 | 9 49 | 6 31 | 6 18 | 8 10 | 12 40 | 6 16 |
| S 19 | 12 37 | 26 33 | 5 13 | 21 28 | 2 38 | 24 7 | 1 54 | 17 38 | 1 38 | 18 57 | 0 58 | 14 31 | 1 24 | 1 41 | 0 45 | 0 19 | 1 45 | 27 40 | 9 49 | 6 31 | 6 17 | 8 13 | 12 41 | 6 16 |
| M20 | 12 57 | 23 18 | 4 56 | 21 38 | 2 35 | 24 19 | 1 56 | 17 26 | 1 39 | 18 56 | 0 58 | 14 30 | 1 24 | 1 42 | 0 45 | 0 18 | 1 45 | 27 40 | 9 49 | 6 31 | 6 15 | 8 16 | 12 41 | 6 15 |
| T 21 | 13 16 | 18 42 | 4 21 | 21 45 | 2 31 | 24 30 | 1 58 | 17 14 | 1 40 | 18 54 | 0 58 | 14 28 | 1 25 | 1 43 | 0 45 | 0 17 | 1 45 | 27 40 | 9 49 | 6 31 | 6 14 | 8 20 | 12 41 | 6 14 |
| W22 | 13 36 | 12 59 | 3 30 | 21 50 | 2 27 | 24 41 | 2 0 | 17 2 | 1 42 | 18 53 | 0 58 | 14 27 | 1 25 | 1 43 | 0 45 | 0 17 | 1 45 | 27 40 | 9 48 | 6 32 | 6 13 | 8 23 | 12 41 | 6 14 |
| T 23 | 13 55 | 6 26 | 2 24 | 21 52 | 2 21 | 24 51 | 2 2 | 16 50 | 1 43 | 18 51 | 0 58 | 14 26 | 1 25 | 1 44 | 0 45 | 0 16 | 1 45 | 27 39 | 9 48 | 6 32 | 6 12 | 8 26 | 12 41 | 6 13 |
| F 24 | 14 14 | 0n37 | 1 8 | 21 52 | 2 14 | 25 0 | 2 4 | 16 38 | 1 44 | 18 50 | 0 58 | 14 25 | 1 25 | 1 45 | 0 45 | 0 16 | 1 45 | 27 39 | 9 48 | 6 33 | 6 10 | 8 30 | 12 42 | 6 12 |
| S 25 | 14 33 | 7 46 | 0n14 | 21 50 | 2 6 | 25 8 | 2 6 | 16 26 | 1 46 | 18 48 | 0 58 | 14 24 | 1 25 | 1 45 | 0 45 | 0 15 | 1 45 | 27 39 | 9 48 | 6 33 | 6 9 | 8 33 | 12 42 | 6 11 |
| S 26 | 14 51 | 14 32 | 1 36 | 21 46 | 1 57 | 25 16 | 2 8 | 16 13 | 1 47 | 18 47 | 0 58 | 14 23 | 1 26 | 1 46 | 0 45 | 0 15 | 1 45 | 27 39 | 9 48 | 6 32 | 6 8 | 8 36 | 12 42 | 6 11 |
| M27 | 15 9 | 20 25 | 2 51 | 21 40 | 1 47 | 25 23 | 2 10 | 16 1 | 1 48 | 18 45 | 0 58 | 14 22 | 1 26 | 1 47 | 0 45 | 0 15 | 1 45 | 27 38 | 9 47 | 6 32 | 6 7 | 8 40 | 12 42 | 6 10 |
| T 28 | 15 27 | 24 57 | 3 53 | 21 31 | 1 36 | 25 30 | 2 12 | 15 48 | 1 50 | 18 44 | 0 58 | 14 21 | 1 26 | 1 47 | 0 45 | 0 14 | 1 45 | 27 38 | 9 47 | 6 30 | 6 5 | 8 43 | 12 42 | 6 9 |
| W29 | 15 45 | 27 44 | 4 39 | 21 20 | 1 24 | 25 35 | 2 13 | 15 35 | 1 51 | 18 42 | 0 58 | 14 20 | 1 26 | 1 48 | 0 45 | 0 14 | 1 44 | 27 38 | 9 47 | 6 29 | 6 4 | 8 46 | 12 42 | 6 9 |
| T 30 | 16n 3 | 28n38 | 5n 6 | 21n 8 | 1n11 | 25n40 | 2n15 | 15s22 | 1s52 | 18s41 | 0n58 | 14s19 | 1s26 | 1n48 | 0n45 | 0s13 | 1n44 | 27n37 | 9n47 | 6n28 | 6n 3 | 8s50 | 12n42 | 6s 8 |

Julian Day Number = 2072883.5, Delta T = 27m36s
Ecliptic obliquity = 23°34'34, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'29, Lahiri = 9°24'30 Julian Calendar 1 Apr. 963 == Greg. Calendar 6 Apr. 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## MAY 963 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 53 29 | 14♉39'55 | 16♋53 | 28°R35 | 24♊59 | 24♒40 | 26°R57 | 25♒56 | 27°R10 | 4°R31 | 8♌37 | 16°R17 | 15♈14 | 21♎21 | 7♌ 2 | F 1 |
| S 2 | 14 57 26 | 15°37'34 | 0♌10 | 28♉26 | 26° 8 | 25°22 | 26♏50 | 25°59 | 27♍ 9 | 4♎30 | 8°37 | 16♈15 | 15°10 | 21°28 | 7° 5 | S 2 |
| S 3 | 15 1 23 | 16°35'10 | 13° 2 | 28°13 | 27°16 | 26° 4 | 26°43 | 26° 2 | 27° 7 | 4°29 | 8°38 | 16°D14 | 15° 7 | 21°34 | 7° 8 | S 3 |
| M 4 | 15 5 19 | 17°32'45 | 25°32 | 27°56 | 28°24 | 26°46 | 26°35 | 26° 5 | 27° 6 | 4°28 | 8°38 | 16°14 | 15° 4 | 21°41 | 7°12 | M 4 |
| T 5 | 15 9 16 | 18°30'19 | 7♍44 | 27°35 | 29°32 | 27°28 | 26°28 | 26° 8 | 27° 5 | 4°27 | 8°39 | 16°15 | 15° 1 | 21°48 | 7°15 | T 5 |
| W 6 | 15 13 12 | 19°27'51 | 19°43 | 27°11 | 0♋40 | 28°10 | 26°20 | 26°10 | 27° 3 | 4°26 | 8°39 | 16°17 | 14°58 | 21°54 | 7°19 | W 6 |
| T 7 | 15 17 9 | 20°25'21 | 1♎34 | 26°44 | 1°47 | 28°51 | 26°13 | 26°13 | 27° 2 | 4°25 | 8°40 | 16°19 | 14°55 | 22° 1 | 7°22 | T 7 |
| F 8 | 15 21 5 | 21°22'50 | 13°21 | 26°14 | 2°55 | 29°33 | 26° 5 | 26°16 | 27° 1 | 4°24 | 8°40 | 16°R20 | 14°51 | 22° 8 | 7°26 | F 8 |
| S 9 | 15 25 2 | 22°20'18 | 25° 8 | 25°43 | 4° 2 | 0♓15 | 25°58 | 26°18 | 27° 0 | 4°23 | 8°41 | 16°19 | 14°48 | 22°14 | 7°30 | S 9 |
| S 10 | 15 28 58 | 23°17'45 | 6♏59 | 25°10 | 5° 9 | 0°56 | 25°50 | 26°20 | 26°59 | 4°22 | 8°42 | 16°17 | 14°45 | 22°21 | 7°34 | S 10 |
| M11 | 15 32 55 | 24°15'11 | 18°55 | 24°36 | 6°16 | 1°38 | 25°42 | 26°23 | 26°58 | 4°21 | 8°42 | 16°14 | 14°42 | 22°28 | 7°37 | M11 |
| T 12 | 15 36 52 | 25°12'36 | 0♐59 | 24° 3 | 7°23 | 2°19 | 25°35 | 26°25 | 26°57 | 4°20 | 8°43 | 16° 8 | 14°39 | 22°34 | 7°42 | T 12 |
| W13 | 15 40 48 | 26° 9'59 | 13°13 | 23°29 | 8°30 | 3° 1 | 25°27 | 26°27 | 26°56 | 4°19 | 8°44 | 16° 2 | 14°35 | 22°41 | 7°46 | W13 |
| T 14 | 15 44 45 | 27° 7'22 | 25°37 | 22°57 | 9°36 | 3°42 | 25°20 | 26°29 | 26°55 | 4°18 | 8°45 | 15°54 | 14°32 | 22°48 | 7°50 | T 14 |
| F 15 | 15 48 41 | 28° 4'44 | 8♑13 | 22°26 | 10°43 | 4°23 | 25°12 | 26°31 | 26°54 | 4°17 | 8°45 | 15°47 | 14°29 | 22°54 | 7°54 | F 15 |
| S 16 | 15 52 38 | 29° 2'06 | 21° 2 | 21°57 | 11°49 | 5° 4 | 25° 4 | 26°33 | 26°53 | 4°17 | 8°46 | 15°41 | 14°26 | 23° 1 | 7°59 | S 16 |
| S 17 | 15 56 34 | 29°59'26 | 4♒ 4 | 21°31 | 12°55 | 5°45 | 24°57 | 26°34 | 26°53 | 4°16 | 8°47 | 15°37 | 14°23 | 23° 8 | 8° 3 | S 17 |
| M18 | 16 0 31 | 0♊56'46 | 17°23 | 21° 8 | 14° 1 | 6°26 | 24°49 | 26°36 | 26°52 | 4°15 | 8°48 | 15°34 | 14°20 | 23°14 | 8° 8 | M18 |
| T 19 | 16 4 27 | 1°54'06 | 0♓57 | 20°48 | 15° 6 | 7° 7 | 24°42 | 26°37 | 26°51 | 4°14 | 8°49 | 15°D33 | 14°16 | 23°21 | 8°12 | T 19 |
| W20 | 16 8 24 | 2°51'25 | 14°49 | 20°31 | 16°12 | 7°48 | 24°34 | 26°39 | 26°51 | 4°14 | 8°50 | 15°34 | 14°13 | 23°27 | 8°17 | W20 |
| T 21 | 16 12 21 | 3°48'43 | 29° 0 | 20°19 | 17°17 | 8°29 | 24°27 | 26°40 | 26°50 | 4°13 | 8°51 | 15°35 | 14°10 | 23°34 | 8°22 | T 21 |
| F 22 | 16 16 17 | 4°46'01 | 13♈27 | 20°10 | 18°22 | 9°10 | 24°19 | 26°41 | 26°50 | 4°12 | 8°52 | 15°R35 | 14° 7 | 23°41 | 8°27 | F 22 |
| S 23 | 16 20 14 | 5°43'19 | 28° 8 | 20°D 6 | 19°27 | 9°50 | 24°12 | 26°42 | 26°49 | 4°12 | 8°53 | 15°35 | 14° 4 | 23°47 | 8°32 | S 23 |
| S 24 | 16 24 10 | 6°40'36 | 12♉58 | 20° 7 | 20°32 | 10°31 | 24° 4 | 26°43 | 26°49 | 4°11 | 8°54 | 15°32 | 14° 1 | 23°54 | 8°37 | S 24 |
| M25 | 16 28 7 | 7°37'53 | 27°50 | 20°12 | 21°36 | 11°11 | 23°57 | 26°44 | 26°49 | 4°11 | 8°55 | 15°27 | 13°57 | 24° 1 | 8°42 | M25 |
| T 26 | 16 32 3 | 8°35'09 | 12♊37 | 20°21 | 22°40 | 11°51 | 23°50 | 26°45 | 26°48 | 4°10 | 8°56 | 15°20 | 13°54 | 24° 7 | 8°47 | T 26 |
| W27 | 16 36 0 | 9°32'24 | 27°10 | 20°35 | 23°44 | 12°31 | 23°43 | 26°46 | 26°48 | 4°10 | 8°57 | 15°12 | 13°51 | 24°14 | 8°52 | W27 |
| T 28 | 16 39 56 | 10°29'40 | 11♋22 | 20°54 | 24°48 | 13°11 | 23°36 | 26°46 | 26°48 | 4° 9 | 8°58 | 15° 4 | 13°48 | 24°21 | 8°58 | T 28 |
| F 29 | 16 43 53 | 11°26'54 | 25° 9 | 21°17 | 25°51 | 13°51 | 23°29 | 26°47 | 26°48 | 4° 9 | 8°59 | 14°56 | 13°45 | 24°27 | 9° 3 | F 29 |
| S 30 | 16 47 50 | 12°24'08 | 8♌30 | 21°45 | 26°55 | 14°31 | 23°22 | 26°47 | 26°48 | 4° 9 | 9° 1 | 14°49 | 13°41 | 24°34 | 9° 8 | S 30 |
| S 31 | 16 51 46 | 13♊21'20 | 21♌24 | 22♉17 | 27♋57 | 15♓11 | 23♏15 | 26♒48 | 26°D48 | 4♎ 8 | 9♌ 2 | 14♈45 | 13♈38 | 24♎41 | 9♌14 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n20 | 27n41 | 5n14 | 20n53 | 0n57 | 25n45 | 2n16 | 15s10 | 1s54 | 18s39 | 0n58 | 14s18 | 1s27 | 1n49 | 0n45 | 0s13 | 1n44 | 27n37 | 9n46 | 6n26 | 6n 2 | 8s53 | 12n42 | 6s 7 |
| S 2 | 16 37 | 25 11 | 5 5 | 20 37 | 0 42 | 25 49 | 2 17 | 14 57 | 1 55 | 18 37 | 0 58 | 14 17 | 1 27 | 1 50 | 0 45 | 0 12 | 1 44 | 27 37 | 9 46 | 6 26 | 6 1 | 8 56 | 12 41 | 6 7 |
| S 3 | 16 53 | 21 28 | 4 40 | 20 19 | 0 27 | 25 52 | 2 19 | 14 43 | 1 56 | 18 36 | 0 58 | 14 17 | 1 27 | 1 50 | 0 45 | 0 12 | 1 44 | 27 36 | 9 46 | 6 25 | 5 59 | 9 0 | 12 41 | 6 6 |
| M 4 | 17 10 | 16 54 | 4 3 | 19 59 | 0 11 | 25 54 | 2 20 | 14 30 | 1 58 | 18 34 | 0 58 | 14 16 | 1 27 | 1 51 | 0 45 | 0 11 | 1 44 | 27 36 | 9 46 | 6 25 | 5 58 | 9 3 | 12 41 | 6 5 |
| T 5 | 17 26 | 11 45 | 3 16 | 19 38 | 0s 6 | 25 56 | 2 21 | 14 17 | 1 59 | 18 32 | 0 58 | 14 15 | 1 27 | 1 51 | 0 45 | 0 11 | 1 44 | 27 36 | 9 46 | 6 26 | 5 57 | 9 6 | 12 41 | 6 5 |
| W 6 | 17 42 | 6 15 | 2 21 | 19 16 | 0 23 | 25 56 | 2 22 | 14 4 | 2 0 | 18 31 | 0 58 | 14 14 | 1 28 | 1 52 | 0 45 | 0 11 | 1 44 | 27 35 | 9 45 | 6 26 | 5 56 | 9 10 | 12 41 | 6 4 |
| T 7 | 17 57 | 0 36 | 1 20 | 18 53 | 0 40 | 25 57 | 2 23 | 13 50 | 2 2 | 18 29 | 0 57 | 14 14 | 1 28 | 1 52 | 0 45 | 0 10 | 1 44 | 27 35 | 9 45 | 6 27 | 5 54 | 9 13 | 12 41 | 6 3 |
| F 8 | 18 13 | 5s 3 | 0 16 | 18 29 | 0 58 | 25 56 | 2 24 | 13 37 | 2 3 | 18 27 | 0 57 | 14 13 | 1 28 | 1 52 | 0 45 | 0 10 | 1 44 | 27 35 | 9 45 | 6 27 | 5 53 | 9 16 | 12 40 | 6 3 |
| S 9 | 18 28 | 10 32 | 0s48 | 18 5 | 1 15 | 25 55 | 2 24 | 13 23 | 2 5 | 18 26 | 0 57 | 14 12 | 1 28 | 1 53 | 0 45 | 0 10 | 1 44 | 27 34 | 9 45 | 6 27 | 5 52 | 9 20 | 12 40 | 6 2 |
| S 10 | 18 42 | 15 39 | 1 50 | 17 40 | 1 32 | 25 53 | 2 25 | 13 10 | 2 6 | 18 24 | 0 57 | 14 12 | 1 29 | 1 53 | 0 45 | 0 9 | 1 44 | 27 34 | 9 45 | 6 26 | 5 51 | 9 23 | 12 40 | 6 1 |
| M11 | 18 57 | 20 14 | 2 48 | 17 16 | 1 49 | 25 51 | 2 25 | 12 56 | 2 7 | 18 22 | 0 57 | 14 11 | 1 29 | 1 54 | 0 45 | 0 9 | 1 44 | 27 34 | 9 44 | 6 25 | 5 49 | 9 26 | 12 39 | 6 1 |
| T 12 | 19 11 | 24 3 | 3 39 | 16 52 | 2 5 | 25 48 | 2 26 | 12 42 | 2 9 | 18 21 | 0 57 | 14 11 | 1 29 | 1 54 | 0 44 | 0 9 | 1 44 | 27 33 | 9 44 | 6 23 | 5 48 | 9 29 | 12 39 | 6 0 |
| W13 | 19 24 | 26 49 | 4 20 | 16 29 | 2 21 | 25 44 | 2 26 | 12 28 | 2 10 | 18 19 | 0 57 | 14 10 | 1 29 | 1 54 | 0 44 | 0 8 | 1 44 | 27 33 | 9 44 | 6 20 | 5 47 | 9 33 | 12 38 | 5 59 |
| T 14 | 19 38 | 28 20 | 4 50 | 16 6 | 2 36 | 25 40 | 2 26 | 12 15 | 2 11 | 18 17 | 0 57 | 14 10 | 1 29 | 1 55 | 0 44 | 0 8 | 1 44 | 27 32 | 9 44 | 6 18 | 5 46 | 9 36 | 12 38 | 5 59 |
| F 15 | 19 51 | 28 25 | 5 6 | 15 45 | 2 50 | 25 34 | 2 26 | 12 1 | 2 13 | 18 15 | 0 57 | 14 9 | 1 30 | 1 55 | 0 44 | 0 8 | 1 44 | 27 32 | 9 44 | 6 15 | 5 44 | 9 39 | 12 38 | 5 58 |
| S 16 | 20 3 | 26 59 | 5 8 | 15 25 | 3 3 | 25 29 | 2 26 | 11 47 | 2 14 | 18 14 | 0 57 | 14 9 | 1 30 | 1 55 | 0 44 | 0 7 | 1 44 | 27 32 | 9 43 | 6 13 | 5 43 | 9 43 | 12 37 | 5 57 |
| S 17 | 20 16 | 24 6 | 4 53 | 15 7 | 3 15 | 25 22 | 2 26 | 11 33 | 2 15 | 18 12 | 0 56 | 14 8 | 1 30 | 1 55 | 0 44 | 0 7 | 1 44 | 27 31 | 9 43 | 6 11 | 5 42 | 9 46 | 12 37 | 5 57 |
| M18 | 20 28 | 19 53 | 4 23 | 14 50 | 3 25 | 25 15 | 2 26 | 11 19 | 2 17 | 18 10 | 0 56 | 14 8 | 1 30 | 1 56 | 0 44 | 0 7 | 1 44 | 27 31 | 9 43 | 6 10 | 5 41 | 9 49 | 12 36 | 5 56 |
| T 19 | 20 40 | 14 35 | 3 38 | 14 36 | 3 35 | 25 8 | 2 26 | 11 5 | 2 18 | 18 9 | 0 56 | 14 8 | 1 31 | 1 56 | 0 44 | 0 7 | 1 44 | 27 30 | 9 43 | 6 9 | 5 40 | 9 53 | 12 35 | 5 56 |
| W20 | 20 51 | 8 27 | 2 38 | 14 24 | 3 43 | 24 59 | 2 25 | 10 50 | 2 19 | 18 7 | 0 56 | 14 7 | 1 31 | 1 56 | 0 44 | 0 6 | 1 44 | 27 30 | 9 43 | 6 10 | 5 38 | 9 56 | 12 35 | 5 55 |
| T 21 | 21 2 | 1 45 | 1 28 | 14 14 | 3 50 | 24 50 | 2 24 | 10 36 | 2 21 | 18 5 | 0 56 | 14 7 | 1 31 | 1 56 | 0 44 | 0 6 | 1 44 | 27 29 | 9 43 | 6 10 | 5 37 | 9 59 | 12 34 | 5 54 |
| F 22 | 21 13 | 5n 9 | 0 12 | 14 6 | 3 56 | 24 41 | 2 24 | 10 22 | 2 22 | 18 4 | 0 56 | 14 7 | 1 31 | 1 56 | 0 44 | 0 6 | 1 44 | 27 29 | 9 42 | 6 10 | 5 36 | 10 2 | 12 33 | 5 54 |
| S 23 | 21 23 | 11 55 | 1n 7 | 14 1 | 4 0 | 24 31 | 2 23 | 10 8 | 2 23 | 18 2 | 0 56 | 14 7 | 1 31 | 1 57 | 0 44 | 0 6 | 1 44 | 27 29 | 9 42 | 6 10 | 5 35 | 10 6 | 12 33 | 5 53 |
| S 24 | 21 33 | 18 4 | 2 22 | 13 58 | 4 3 | 24 20 | 2 22 | 9 54 | 2 25 | 18 0 | 0 55 | 14 7 | 1 32 | 1 57 | 0 44 | 0 6 | 1 43 | 27 28 | 9 42 | 6 9 | 5 33 | 10 9 | 12 32 | 5 53 |
| M25 | 21 42 | 23 9 | 3 27 | 13 57 | 4 5 | 24 9 | 2 21 | 9 39 | 2 26 | 17 59 | 0 55 | 14 7 | 1 32 | 1 57 | 0 44 | 0 5 | 1 43 | 27 28 | 9 42 | 6 7 | 5 32 | 10 12 | 12 31 | 5 52 |
| T 26 | 21 52 | 26 42 | 4 18 | 13 59 | 4 6 | 23 57 | 2 19 | 9 25 | 2 27 | 17 57 | 0 55 | 14 6 | 1 32 | 1 57 | 0 44 | 0 5 | 1 43 | 27 27 | 9 42 | 6 4 | 5 31 | 10 15 | 12 31 | 5 52 |
| W27 | 22 0 | 28 24 | 4 51 | 14 3 | 4 6 | 23 45 | 2 18 | 9 11 | 2 28 | 17 55 | 0 55 | 14 6 | 1 32 | 1 57 | 0 44 | 0 5 | 1 43 | 27 27 | 9 42 | 6 1 | 5 30 | 10 19 | 12 30 | 5 51 |
| T 28 | 22 9 | 28 9 | 5 5 | 14 9 | 4 5 | 23 32 | 2 16 | 8 57 | 2 30 | 17 54 | 0 55 | 14 6 | 1 33 | 1 57 | 0 44 | 0 5 | 1 43 | 27 26 | 9 41 | 5 58 | 5 28 | 10 22 | 12 29 | 5 50 |
| F 29 | 22 17 | 26 9 | 5 1 | 14 17 | 4 2 | 23 18 | 2 15 | 8 42 | 2 31 | 17 52 | 0 55 | 14 6 | 1 33 | 1 57 | 0 44 | 0 5 | 1 43 | 27 26 | 9 41 | 5 55 | 5 27 | 10 25 | 12 28 | 5 50 |
| S 30 | 22 25 | 22 45 | 4 40 | 14 28 | 3 59 | 23 4 | 2 13 | 8 28 | 2 32 | 17 51 | 0 54 | 14 7 | 1 33 | 1 57 | 0 44 | 0 5 | 1 43 | 27 25 | 9 41 | 5 52 | 5 26 | 10 29 | 12 27 | 5 49 |
| S 31 | 22n32 | 18n19 | 4n 6 | 14n40 | 3s55 | 22n50 | 2n11 | 8s14 | 2s34 | 17s49 | 0n54 | 14s 7 | 1s33 | 1n57 | 0n44 | 0s 5 | 1n43 | 27n25 | 9n41 | 5n51 | 5n25 | 10s32 | 12n26 | 5s49 |

Julian Day Number = 2072913.5, Delta T = 27m35s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'33, Lahiri = 9°24'34 Julian Calendar 1 May 963 == Greg. Calendar 6 May 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## JUNE 963 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 55 43 | 14♊18'33 | 3♍56 | 22♉54 | 29♋ 0 | 15♓50 | 23°R 8 | 26♒48 | 26♍48 | 4°R 8 | 9♌ 3 | 14°R43 | 13♈35 | 24♎47 | 9♌20 | M 1 |
| T 2 | 16 59 39 | 15°15'44 | 16° 9 | 23°35 | 0♌ 3 | 16°30 | 23♏ 2 | 26°48 | 26°48 | 4♎ 8 | 9° 4 | 14°D42 | 13°32 | 24°54 | 9°25 | T 2 |
| W 3 | 17 3 36 | 16°12'55 | 28° 8 | 24°20 | 1° 5 | 17° 9 | 22°55 | 26°R48 | 26°48 | 4° 7 | 9° 5 | 14♈43 | 13°29 | 25° 1 | 9°31 | W 3 |
| T 4 | 17 7 32 | 17°10'05 | 9♎58 | 25° 9 | 2° 7 | 17°48 | 22°49 | 26°48 | 26°48 | 4° 7 | 9° 7 | 14°R43 | 13°26 | 25° 7 | 9°37 | T 4 |
| F 5 | 17 11 29 | 18° 7'15 | 21°46 | 26° 3 | 3° 8 | 18°27 | 22°42 | 26°48 | 26°49 | 4° 7 | 9° 8 | 14°43 | 13°22 | 25°14 | 9°43 | F 5 |
| S 6 | 17 15 25 | 19° 4'24 | 3♏35 | 27° 1 | 4° 9 | 19° 6 | 22°36 | 26°47 | 26°49 | 4° 7 | 9° 9 | 14°41 | 13°19 | 25°20 | 9°49 | S 6 |
| S 7 | 17 19 22 | 20° 1'33 | 15°30 | 28° 2 | 5°10 | 19°45 | 22°30 | 26°47 | 26°49 | 4° 7 | 9°11 | 14°37 | 13°16 | 25°27 | 9°55 | S 7 |
| M 8 | 17 23 19 | 20°58'42 | 27°34 | 29° 8 | 6°11 | 20°24 | 22°24 | 26°47 | 26°50 | 4° 6 | 9°12 | 14°31 | 13°13 | 25°34 | 10° 1 | M 8 |
| T 9 | 17 27 15 | 21°55'50 | 9♐49 | 0♊18 | 7°11 | 21° 2 | 22°18 | 26°46 | 26°50 | 4° 6 | 9°13 | 14°22 | 13°10 | 25°40 | 10° 7 | T 9 |
| W10 | 17 31 12 | 22°52'59 | 22°17 | 1°31 | 8°11 | 21°40 | 22°13 | 26°45 | 26°51 | 4° 6 | 9°15 | 14°11 | 13° 7 | 25°47 | 10°13 | W10 |
| T 11 | 17 35 8 | 23°50'07 | 4♑59 | 2°49 | 9°10 | 22°18 | 22° 7 | 26°45 | 26°51 | 4°D 6 | 9°16 | 13°59 | 13° 3 | 25°54 | 10°20 | T 11 |
| F 12 | 17 39 5 | 24°47'15 | 17°54 | 4°10 | 10°10 | 22°56 | 22° 2 | 26°44 | 26°52 | 4° 6 | 9°18 | 13°48 | 13° 0 | 26° 0 | 10°26 | F 12 |
| S 13 | 17 43 1 | 25°44'23 | 1♒ 2 | 5°34 | 11° 8 | 23°34 | 21°56 | 26°43 | 26°52 | 4° 6 | 9°19 | 13°38 | 12°57 | 26° 7 | 10°32 | S 13 |
| S 14 | 17 46 58 | 26°41'32 | 14°21 | 7° 3 | 12° 7 | 24°12 | 21°51 | 26°42 | 26°53 | 4° 7 | 9°21 | 13°29 | 12°54 | 26°14 | 10°39 | S 14 |
| M15 | 17 50 55 | 27°38'41 | 27°51 | 8°35 | 13° 5 | 24°50 | 21°46 | 26°41 | 26°54 | 4° 7 | 9°22 | 13°24 | 12°51 | 26°20 | 10°45 | M15 |
| T 16 | 17 54 51 | 28°35'50 | 11♓32 | 10°11 | 14° 2 | 25°27 | 21°41 | 26°39 | 26°55 | 4° 7 | 9°24 | 13°21 | 12°47 | 26°27 | 10°52 | T 16 |
| W17 | 17 58 48 | 29°32'59 | 25°24 | 11°50 | 14°59 | 26° 4 | 21°37 | 26°38 | 26°56 | 4° 7 | 9°25 | 13°D20 | 12°44 | 26°34 | 10°58 | W17 |
| T 18 | 18 2 44 | 0♋30'09 | 9♈27 | 13°32 | 15°56 | 26°41 | 21°32 | 26°36 | 26°57 | 4° 7 | 9°27 | 13°R20 | 12°41 | 26°40 | 11° 5 | T 18 |
| F 19 | 18 6 41 | 1°27'19 | 23°40 | 15°18 | 16°52 | 27°18 | 21°28 | 26°35 | 26°58 | 4° 7 | 9°28 | 13°20 | 12°38 | 26°47 | 11°12 | F 19 |
| S 20 | 18 10 37 | 2°24'30 | 8♉ 1 | 17° 7 | 17°48 | 27°54 | 21°24 | 26°33 | 26°59 | 4° 8 | 9°30 | 13°18 | 12°35 | 26°54 | 11°18 | S 20 |
| S 21 | 18 14 34 | 3°21'41 | 22°29 | 18°59 | 18°43 | 28°31 | 21°19 | 26°32 | 27° 0 | 4° 8 | 9°31 | 13°14 | 12°32 | 27° 0 | 11°25 | S 21 |
| M22 | 18 18 30 | 4°18'53 | 6♊59 | 20°54 | 19°38 | 29° 7 | 21°15 | 26°30 | 27° 1 | 4° 8 | 9°33 | 13° 7 | 12°28 | 27° 7 | 11°32 | M22 |
| T 23 | 18 22 27 | 5°16'06 | 21°24 | 22°51 | 20°32 | 29°43 | 21°12 | 26°28 | 27° 2 | 4° 9 | 9°35 | 12°58 | 12°25 | 27°14 | 11°39 | T 23 |
| W24 | 18 26 24 | 6°13'19 | 5♋40 | 24°50 | 21°26 | 0♈19 | 21° 8 | 26°26 | 27° 3 | 4° 9 | 9°36 | 12°47 | 12°22 | 27°20 | 11°46 | W24 |
| T 25 | 18 30 20 | 7°10'32 | 19°39 | 26°52 | 22°19 | 0°54 | 21° 5 | 26°24 | 27° 5 | 4°10 | 9°38 | 12°35 | 12°19 | 27°27 | 11°53 | T 25 |
| F 26 | 18 34 17 | 8° 7'45 | 3♌18 | 28°56 | 23°11 | 1°30 | 21° 1 | 26°22 | 27° 6 | 4°10 | 9°40 | 12°24 | 12°16 | 27°33 | 12° 0 | F 26 |
| S 27 | 18 38 13 | 9° 4'59 | 16°34 | 1♋ 1 | 24° 3 | 2° 5 | 20°58 | 26°19 | 27° 7 | 4°11 | 9°41 | 12°14 | 12°13 | 27°40 | 12° 7 | S 27 |
| S 28 | 18 42 10 | 10° 2'13 | 29°27 | 3° 7 | 24°55 | 2°39 | 20°55 | 26°17 | 27° 9 | 4°11 | 9°43 | 12° 7 | 12° 9 | 27°47 | 12°14 | S 28 |
| M29 | 18 46 6 | 10°59'28 | 11♍58 | 5°14 | 25°45 | 3°14 | 20°53 | 26°14 | 27°10 | 4°12 | 9°45 | 12° 3 | 12° 6 | 27°53 | 12°22 | M29 |
| T 30 | 18 50 3 | 11♋56'42 | 24♍11 | 7♋21 | 26♌35 | 3♈48 | 20♏50 | 26♒12 | 27♍12 | 4♎12 | 9♌46 | 12♈ 1 | 12♈ 3 | 28♎ 0 | 12♌29 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n39 | 13n14 | 3n21 | 14n54 | 3s50 | 22n35 | 2n 9 | 8s 0 | 2s35 | 17s48 | 0n54 | 14s 7 | 1s33 | 1n57 | 0n44 | 0s 5 | 1n43 | 27n24 | 9n41 | 5n50 | 5n23 | 10s35 | 12n25 | 5s48 |
| T 2 | 22 45 | 7 45 | 2 27 | 15 10 | 3 44 | 22 19 | 2 7 | 7 45 | 2 36 | 17 46 | 0 54 | 14 7 | 1 34 | 1 57 | 0 44 | 0 4 | 1 43 | 27 24 | 9 41 | 5 50 | 5 22 | 10 38 | 12 24 | 5 48 |
| W 3 | 22 51 | 2 5 | 1 28 | 15 27 | 3 37 | 22 3 | 2 4 | 7 31 | 2 38 | 17 45 | 0 54 | 14 7 | 1 34 | 1 57 | 0 44 | 0 4 | 1 43 | 27 23 | 9 40 | 5 50 | 5 21 | 10 42 | 12 23 | 5 47 |
| T 4 | 22 57 | 3s35 | 0 25 | 15 46 | 3 29 | 21 47 | 2 2 | 7 17 | 2 39 | 17 43 | 0 53 | 14 7 | 1 34 | 1 57 | 0 44 | 0 4 | 1 43 | 27 23 | 9 40 | 5 50 | 5 20 | 10 45 | 12 22 | 5 47 |
| F 5 | 23 2 | 9 7 | 0s38 | 16 7 | 3 21 | 21 30 | 1 59 | 7 3 | 2 40 | 17 42 | 0 53 | 14 8 | 1 34 | 1 56 | 0 43 | 0 4 | 1 43 | 27 22 | 9 40 | 5 50 | 5 18 | 10 48 | 12 21 | 5 46 |
| S 6 | 23 7 | 14 20 | 1 39 | 16 29 | 3 13 | 21 13 | 1 56 | 6 49 | 2 42 | 17 40 | 0 53 | 14 8 | 1 35 | 1 56 | 0 43 | 0 4 | 1 43 | 27 22 | 9 40 | 5 49 | 5 17 | 10 51 | 12 20 | 5 46 |
| S 7 | 23 12 | 19 4 | 2 36 | 16 51 | 3 3 | 20 55 | 1 54 | 6 34 | 2 43 | 17 39 | 0 53 | 14 8 | 1 35 | 1 56 | 0 43 | 0 4 | 1 43 | 27 21 | 9 40 | 5 48 | 5 16 | 10 55 | 12 19 | 5 45 |
| M 8 | 23 16 | 23 5 | 3 27 | 17 15 | 2 53 | 20 37 | 1 50 | 6 20 | 2 44 | 17 38 | 0 53 | 14 9 | 1 35 | 1 56 | 0 43 | 0 4 | 1 43 | 27 21 | 9 40 | 5 45 | 5 15 | 10 58 | 12 18 | 5 45 |
| T 9 | 23 20 | 26 10 | 4 10 | 17 40 | 2 43 | 20 18 | 1 47 | 6 6 | 2 45 | 17 36 | 0 52 | 14 9 | 1 35 | 1 56 | 0 43 | 0 4 | 1 43 | 27 20 | 9 40 | 5 42 | 5 14 | 11 1 | 12 17 | 5 44 |
| W10 | 23 23 | 28 1 | 4 41 | 18 6 | 2 32 | 20 0 | 1 44 | 5 52 | 2 47 | 17 35 | 0 52 | 14 10 | 1 35 | 1 55 | 0 43 | 0 4 | 1 43 | 27 20 | 9 39 | 5 37 | 5 12 | 11 4 | 12 16 | 5 44 |
| T 11 | 23 26 | 28 27 | 4 58 | 18 32 | 2 21 | 19 40 | 1 40 | 5 38 | 2 48 | 17 34 | 0 52 | 14 10 | 1 36 | 1 55 | 0 43 | 0 4 | 1 43 | 27 19 | 9 39 | 5 33 | 5 11 | 11 8 | 12 14 | 5 43 |
| F 12 | 23 28 | 27 21 | 5 1 | 18 58 | 2 10 | 19 21 | 1 36 | 5 24 | 2 49 | 17 33 | 0 52 | 14 11 | 1 36 | 1 55 | 0 43 | 0 4 | 1 43 | 27 19 | 9 39 | 5 28 | 5 10 | 11 11 | 12 13 | 5 43 |
| S 13 | 23 30 | 24 44 | 4 48 | 19 25 | 1 58 | 19 1 | 1 33 | 5 10 | 2 50 | 17 32 | 0 52 | 14 11 | 1 36 | 1 55 | 0 43 | 0 5 | 1 42 | 27 18 | 9 39 | 5 24 | 5 9 | 11 14 | 12 12 | 5 42 |
| S 14 | 23 32 | 20 45 | 4 20 | 19 52 | 1 46 | 18 41 | 1 29 | 4 56 | 2 52 | 17 30 | 0 51 | 14 12 | 1 36 | 1 54 | 0 43 | 0 5 | 1 42 | 27 18 | 9 39 | 5 21 | 5 7 | 11 17 | 12 11 | 5 42 |
| M15 | 23 33 | 15 40 | 3 36 | 20 19 | 1 34 | 18 20 | 1 24 | 4 43 | 2 53 | 17 29 | 0 51 | 14 12 | 1 37 | 1 54 | 0 43 | 0 5 | 1 42 | 27 17 | 9 39 | 5 19 | 5 6 | 11 21 | 12 9 | 5 42 |
| T 16 | 23 34 | 9 44 | 2 40 | 20 46 | 1 21 | 17 59 | 1 20 | 4 29 | 2 54 | 17 28 | 0 51 | 14 13 | 1 37 | 1 53 | 0 43 | 0 5 | 1 42 | 27 17 | 9 39 | 5 18 | 5 5 | 11 24 | 12 8 | 5 41 |
| W17 | 23 35 | 3 16 | 1 34 | 21 12 | 1 9 | 17 38 | 1 15 | 4 15 | 2 55 | 17 27 | 0 51 | 14 14 | 1 37 | 1 53 | 0 43 | 0 5 | 1 42 | 27 16 | 9 39 | 5 18 | 5 4 | 11 27 | 12 7 | 5 41 |
| T 18 | 23 34 | 3n27 | 0 21 | 21 37 | 0 56 | 17 17 | 1 11 | 4 1 | 2 57 | 17 26 | 0 51 | 14 14 | 1 37 | 1 53 | 0 43 | 0 5 | 1 42 | 27 16 | 9 39 | 5 18 | 5 2 | 11 30 | 12 5 | 5 40 |
| F 19 | 23 34 | 10 5 | 0n54 | 22 2 | 0 44 | 16 55 | 1 6 | 3 48 | 2 58 | 17 25 | 0 50 | 14 15 | 1 37 | 1 52 | 0 43 | 0 5 | 1 42 | 27 15 | 9 38 | 5 17 | 5 1 | 11 33 | 12 4 | 5 40 |
| S 20 | 23 33 | 16 16 | 2 7 | 22 26 | 0 31 | 16 33 | 1 1 | 3 34 | 2 59 | 17 24 | 0 50 | 14 16 | 1 38 | 1 52 | 0 43 | 0 5 | 1 42 | 27 14 | 9 38 | 5 17 | 5 0 | 11 37 | 12 3 | 5 39 |
| S 21 | 23 32 | 21 35 | 3 11 | 22 48 | 0 19 | 16 11 | 0 56 | 3 21 | 3 0 | 17 24 | 0 50 | 14 17 | 1 38 | 1 51 | 0 43 | 0 6 | 1 42 | 27 14 | 9 38 | 5 15 | 4 59 | 11 40 | 12 1 | 5 39 |
| M22 | 23 30 | 25 36 | 4 4 | 23 8 | 0 7 | 15 48 | 0 50 | 3 7 | 3 1 | 17 23 | 0 50 | 14 17 | 1 38 | 1 51 | 0 43 | 0 6 | 1 42 | 27 13 | 9 38 | 5 13 | 4 57 | 11 43 | 12 0 | 5 39 |
| T 23 | 23 28 | 27 57 | 4 40 | 23 27 | 0n 4 | 15 26 | 0 45 | 2 54 | 3 3 | 17 22 | 0 49 | 14 18 | 1 38 | 1 50 | 0 43 | 0 6 | 1 42 | 27 13 | 9 38 | 5 9 | 4 56 | 11 46 | 11 58 | 5 38 |
| W24 | 23 26 | 28 25 | 4 58 | 23 44 | 0 16 | 15 3 | 0 39 | 2 41 | 3 4 | 17 21 | 0 49 | 14 19 | 1 39 | 1 50 | 0 43 | 0 6 | 1 42 | 27 12 | 9 38 | 5 5 | 4 55 | 11 50 | 11 57 | 5 38 |
| T 25 | 23 23 | 27 3 | 4 58 | 23 59 | 0 26 | 14 40 | 0 33 | 2 28 | 3 5 | 17 21 | 0 49 | 14 20 | 1 39 | 1 49 | 0 43 | 0 6 | 1 42 | 27 12 | 9 38 | 5 0 | 4 54 | 11 53 | 11 55 | 5 38 |
| F 26 | 23 20 | 24 5 | 4 41 | 24 11 | 0 37 | 14 17 | 0 27 | 2 15 | 3 6 | 17 20 | 0 49 | 14 21 | 1 39 | 1 49 | 0 43 | 0 7 | 1 42 | 27 11 | 9 38 | 4 56 | 4 52 | 11 56 | 11 53 | 5 37 |
| S 27 | 23 16 | 19 55 | 4 9 | 24 21 | 0 46 | 13 54 | 0 21 | 2 2 | 3 7 | 17 19 | 0 48 | 14 22 | 1 39 | 1 48 | 0 43 | 0 7 | 1 42 | 27 11 | 9 38 | 4 52 | 4 51 | 11 59 | 11 52 | 5 37 |
| S 28 | 23 12 | 14 56 | 3 25 | 24 28 | 0 55 | 13 31 | 0 14 | 1 49 | 3 8 | 17 19 | 0 48 | 14 23 | 1 39 | 1 47 | 0 42 | 0 7 | 1 42 | 27 10 | 9 38 | 4 49 | 4 50 | 12 2 | 11 50 | 5 36 |
| M29 | 23 7 | 9 27 | 2 32 | 24 32 | 1 4 | 13 7 | 0 7 | 1 36 | 3 9 | 17 18 | 0 48 | 14 24 | 1 40 | 1 47 | 0 42 | 0 7 | 1 42 | 27 10 | 9 38 | 4 47 | 4 49 | 12 6 | 11 49 | 5 36 |
| T 30 | 23n 2 | 3n45 | 1n33 | 24n34 | 1n12 | 12n44 | 0n 1 | 1s23 | 3s11 | 17s18 | 0n48 | 14s25 | 1s40 | 1n46 | 0n42 | 0s 8 | 1n42 | 27n 9 | 9n38 | 4n46 | 4n47 | 12s 9 | 11n47 | 5s36 |

Julian Day Number = 2072944.5, Delta T = 27m35s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'38, Lahiri = 9°24'38 Julian Calendar 1 June 963 == Greg. Calendar 6 June 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## JULY 963 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 53 59 | 12♋53'57 | 6♎10 | 9♋29 | 27♌25 | 4♈22 | 20°R48 | 26°R 9 | 27♍13 | 4♎13 | 9♌48 | 12°R 0 | 12♈ 0 | 28♎ 7 | 12♌36 | W 1 |
| T 2 | 18 57 56 | 13°51'12 | 18° 2 | 11°37 | 28°13 | 4°56 | 20♏46 | 26♒ 7 | 27°15 | 4°14 | 9°50 | 12♈ 0 | 11°57 | 28°13 | 12°43 | T 2 |
| F 3 | 19 1 53 | 14°48'28 | 29°50 | 13°44 | 29° 1 | 5°30 | 20°44 | 26° 4 | 27°17 | 4°14 | 9°52 | 11°59 | 11°53 | 28°20 | 12°51 | F 3 |
| S 4 | 19 5 49 | 15°45'44 | 11♏41 | 15°51 | 29°48 | 6° 3 | 20°42 | 26° 1 | 27°18 | 4°15 | 9°53 | 11°57 | 11°50 | 28°27 | 12°58 | S 4 |
| S 5 | 19 9 46 | 16°43'01 | 23°40 | 17°58 | 0♍34 | 6°36 | 20°40 | 25°58 | 27°20 | 4°16 | 9°55 | 11°53 | 11°47 | 28°33 | 13° 5 | S 5 |
| M 6 | 19 13 42 | 17°40'18 | 5♐50 | 20° 3 | 1°19 | 7° 9 | 20°39 | 25°55 | 27°22 | 4°17 | 9°57 | 11°46 | 11°44 | 28°40 | 13°13 | M 6 |
| T 7 | 19 17 39 | 18°37'36 | 18°15 | 22° 7 | 2° 4 | 7°41 | 20°37 | 25°52 | 27°24 | 4°17 | 9°59 | 11°37 | 11°41 | 28°47 | 13°20 | T 7 |
| W 8 | 19 21 35 | 19°34'54 | 0♑58 | 24°10 | 2°47 | 8°13 | 20°36 | 25°49 | 27°26 | 4°18 | 10° 1 | 11°26 | 11°38 | 28°53 | 13°28 | W 8 |
| T 9 | 19 25 32 | 20°32'13 | 13°57 | 26°12 | 3°30 | 8°45 | 20°35 | 25°46 | 27°28 | 4°19 | 10° 2 | 11°14 | 11°34 | 29° 0 | 13°36 | T 9 |
| F 10 | 19 29 29 | 21°29'33 | 27°13 | 28°12 | 4°11 | 9°17 | 20°35 | 25°42 | 27°30 | 4°20 | 10° 4 | 11° 1 | 11°31 | 29° 7 | 13°43 | F 10 |
| S 11 | 19 33 25 | 22°26'54 | 10♒43 | 0♌11 | 4°52 | 9°48 | 20°34 | 25°39 | 27°32 | 4°21 | 10° 6 | 10°51 | 11°28 | 29°13 | 13°51 | S 11 |
| S 12 | 19 37 22 | 23°24'16 | 24°26 | 2° 9 | 5°31 | 10°19 | 20°34 | 25°35 | 27°34 | 4°22 | 10° 8 | 10°42 | 11°25 | 29°20 | 13°58 | S 12 |
| M13 | 19 41 18 | 24°21'39 | 8♓17 | 4° 5 | 6°10 | 10°49 | 20°33 | 25°32 | 27°36 | 4°23 | 10°10 | 10°36 | 11°22 | 29°27 | 14° 6 | M13 |
| T 14 | 19 45 15 | 25°19'03 | 22°15 | 5°59 | 6°47 | 11°20 | 20°D33 | 25°28 | 27°38 | 4°24 | 10°12 | 10°33 | 11°19 | 29°33 | 14°14 | T 14 |
| W15 | 19 49 11 | 26°16'28 | 6♈18 | 7°52 | 7°23 | 11°49 | 20°34 | 25°25 | 27°40 | 4°25 | 10°14 | 10°D32 | 11°15 | 29°40 | 14°21 | W15 |
| T 16 | 19 53 8 | 27°13'54 | 20°23 | 9°43 | 7°58 | 12°19 | 20°34 | 25°21 | 27°43 | 4°26 | 10°15 | 10°R32 | 11°12 | 29°47 | 14°29 | T 16 |
| F 17 | 19 57 4 | 28°11'22 | 4♉31 | 11°33 | 8°31 | 12°48 | 20°35 | 25°17 | 27°45 | 4°27 | 10°17 | 10°32 | 11° 9 | 29°53 | 14°37 | F 17 |
| S 18 | 20 1 1 | 29° 8'52 | 18°40 | 13°21 | 9° 3 | 13°17 | 20°35 | 25°13 | 27°47 | 4°28 | 10°19 | 10°31 | 11° 6 | 29°59 | 14°45 | S 18 |
| S 19 | 20 4 58 | 0♌ 6'22 | 2♊49 | 15° 7 | 9°34 | 13°45 | 20°36 | 25°10 | 27°50 | 4°30 | 10°21 | 10°27 | 11° 3 | 0♏ 6 | 14°53 | S 19 |
| M20 | 20 8 54 | 1° 3'55 | 16°54 | 16°52 | 10° 3 | 14°13 | 20°37 | 25° 6 | 27°52 | 4°31 | 10°23 | 10°21 | 10°59 | 0°13 | 15° 0 | M20 |
| T 21 | 20 12 51 | 2° 1'29 | 0♋54 | 18°36 | 10°31 | 14°41 | 20°39 | 25° 2 | 27°55 | 4°32 | 10°25 | 10°12 | 10°56 | 0°20 | 15° 8 | T 21 |
| W22 | 20 16 47 | 2°59'04 | 14°45 | 20°18 | 10°58 | 15° 8 | 20°40 | 24°58 | 27°57 | 4°33 | 10°27 | 10° 2 | 10°53 | 0°26 | 15°16 | W22 |
| T 23 | 20 20 44 | 3°56'40 | 28°22 | 21°58 | 11°22 | 15°34 | 20°42 | 24°54 | 28° 0 | 4°35 | 10°29 | 9°51 | 10°50 | 0°33 | 15°24 | T 23 |
| F 24 | 20 24 40 | 4°54'18 | 11♌43 | 23°37 | 11°45 | 16° 1 | 20°43 | 24°49 | 28° 2 | 4°36 | 10°31 | 9°41 | 10°47 | 0°40 | 15°32 | F 24 |
| S 25 | 20 28 37 | 5°51'57 | 24°46 | 25°14 | 12° 7 | 16°26 | 20°45 | 24°45 | 28° 5 | 4°37 | 10°32 | 9°32 | 10°44 | 0°46 | 15°40 | S 25 |
| S 26 | 20 32 33 | 6°49'37 | 7♍30 | 26°50 | 12°26 | 16°52 | 20°48 | 24°41 | 28° 8 | 4°39 | 10°34 | 9°26 | 10°40 | 0°53 | 15°48 | S 26 |
| M27 | 20 36 30 | 7°47'18 | 19°55 | 28°25 | 12°44 | 17°17 | 20°50 | 24°37 | 28°10 | 4°40 | 10°36 | 9°21 | 10°37 | 1° 0 | 15°56 | M27 |
| T 28 | 20 40 27 | 8°45'00 | 2♎ 6 | 29°57 | 13° 0 | 17°41 | 20°53 | 24°33 | 28°13 | 4°41 | 10°38 | 9°20 | 10°34 | 1° 6 | 16° 4 | T 28 |
| W29 | 20 44 23 | 9°42'43 | 14° 4 | 1♍29 | 13°14 | 18° 5 | 20°55 | 24°28 | 28°16 | 4°43 | 10°40 | 9°D19 | 10°31 | 1°13 | 16°12 | W29 |
| T 30 | 20 48 20 | 10°40'28 | 25°55 | 2°59 | 13°26 | 18°28 | 20°58 | 24°24 | 28°19 | 4°44 | 10°42 | 9°20 | 10°28 | 1°20 | 16°20 | T 30 |
| F 31 | 20 52 16 | 11♌38'14 | 7♏44 | 4♍27 | 13♍35 | 18♈51 | 21♏ 1 | 24♒20 | 28♍22 | 4♎46 | 10♌44 | 9°R21 | 10♈24 | 1♏26 | 16♌28 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22n57 | 2s 0 | 0n31 | 24n33 | 1n19 | 12n20 | 0s 6 | 1s11 | 3s12 | 17s18 | 0n47 | 14s26 | 1s40 | 1n45 | 0n42 | 0s 8 | 1n42 | 27n 9 | 9n38 | 4n46 | 4n46 | 12s12 | 11n45 | 5s35 | W 1 |
| T 2 | 22 51 | 7 36 | 0s32 | 24 28 | 1 25 | 11 57 | 0 14 | 0 58 | 3 13 | 17 17 | 0 47 | 14 27 | 1 40 | 1 45 | 0 42 | 0 8 | 1 42 | 27 8 | 9 37 | 4 46 | 4 45 | 12 15 | 11 44 | 5 35 | T 2 |
| F 3 | 22 45 | 12 56 | 1 33 | 24 22 | 1 30 | 11 33 | 0 21 | 0 46 | 3 14 | 17 17 | 0 47 | 14 28 | 1 40 | 1 44 | 0 42 | 0 9 | 1 41 | 27 7 | 9 37 | 4 46 | 4 44 | 12 18 | 11 42 | 5 35 | F 3 |
| S 4 | 22 38 | 17 48 | 2 30 | 24 12 | 1 35 | 11 10 | 0 29 | 0 34 | 3 15 | 17 17 | 0 47 | 14 30 | 1 41 | 1 43 | 0 42 | 0 9 | 1 41 | 27 7 | 9 37 | 4 45 | 4 42 | 12 21 | 11 40 | 5 34 | S 4 |
| S 5 | 22 31 | 22 3 | 3 21 | 24 0 | 1 39 | 10 46 | 0 36 | 0 22 | 3 16 | 17 16 | 0 47 | 14 31 | 1 41 | 1 43 | 0 42 | 0 9 | 1 41 | 27 6 | 9 37 | 4 44 | 4 41 | 12 25 | 11 38 | 5 34 | S 5 |
| M 6 | 22 24 | 25 25 | 4 4 | 23 45 | 1 42 | 10 22 | 0 44 | 0 10 | 3 17 | 17 16 | 0 46 | 14 32 | 1 41 | 1 42 | 0 42 | 0 10 | 1 41 | 27 6 | 9 37 | 4 41 | 4 40 | 12 28 | 11 37 | 5 34 | M 6 |
| T 7 | 22 16 | 27 39 | 4 36 | 23 28 | 1 45 | 9 59 | 0 53 | 0n 2 | 3 18 | 17 16 | 0 46 | 14 33 | 1 41 | 1 41 | 0 42 | 0 10 | 1 41 | 27 5 | 9 37 | 4 37 | 4 39 | 12 31 | 11 35 | 5 34 | T 7 |
| W 8 | 22 8 | 28 30 | 4 56 | 23 9 | 1 47 | 9 35 | 1 1 | 0 14 | 3 19 | 17 16 | 0 46 | 14 34 | 1 41 | 1 40 | 0 42 | 0 10 | 1 41 | 27 5 | 9 37 | 4 33 | 4 37 | 12 34 | 11 33 | 5 33 | W 8 |
| T 9 | 22 0 | 27 49 | 5 0 | 22 48 | 1 48 | 9 12 | 1 10 | 0 25 | 3 20 | 17 16 | 0 46 | 14 36 | 1 41 | 1 39 | 0 42 | 0 11 | 1 41 | 27 4 | 9 37 | 4 28 | 4 36 | 12 37 | 11 31 | 5 33 | T 9 |
| F 10 | 21 51 | 25 33 | 4 49 | 22 24 | 1 48 | 8 49 | 1 18 | 0 37 | 3 21 | 17 16 | 0 45 | 14 37 | 1 42 | 1 39 | 0 42 | 0 11 | 1 41 | 27 4 | 9 37 | 4 23 | 4 35 | 12 41 | 11 29 | 5 33 | F 10 |
| S 11 | 21 42 | 21 50 | 4 21 | 21 59 | 1 48 | 8 26 | 1 27 | 0 48 | 3 22 | 17 16 | 0 45 | 14 38 | 1 42 | 1 38 | 0 42 | 0 12 | 1 41 | 27 3 | 9 37 | 4 19 | 4 34 | 12 44 | 11 27 | 5 33 | S 11 |
| S 12 | 21 32 | 16 53 | 3 38 | 21 32 | 1 47 | 8 3 | 1 36 | 0 59 | 3 23 | 17 16 | 0 45 | 14 40 | 1 42 | 1 37 | 0 42 | 0 12 | 1 41 | 27 3 | 9 37 | 4 16 | 4 32 | 12 47 | 11 25 | 5 32 | S 12 |
| M13 | 21 22 | 11 1 | 2 42 | 21 3 | 1 45 | 7 40 | 1 46 | 1 11 | 3 24 | 17 17 | 0 45 | 14 41 | 1 42 | 1 36 | 0 42 | 0 12 | 1 41 | 27 2 | 9 37 | 4 13 | 4 31 | 12 50 | 11 23 | 5 32 | M13 |
| T 14 | 21 12 | 4 33 | 1 35 | 20 33 | 1 43 | 7 17 | 1 55 | 1 21 | 3 25 | 17 17 | 0 44 | 14 42 | 1 42 | 1 35 | 0 42 | 0 13 | 1 41 | 27 2 | 9 37 | 4 12 | 4 30 | 12 53 | 11 21 | 5 32 | T 14 |
| W15 | 21 1 | 2n10 | 0 22 | 20 2 | 1 41 | 6 55 | 2 5 | 1 32 | 3 26 | 17 17 | 0 44 | 14 44 | 1 43 | 1 34 | 0 42 | 0 13 | 1 41 | 27 1 | 9 37 | 4 12 | 4 29 | 12 56 | 11 19 | 5 32 | W15 |
| T 16 | 20 50 | 8 49 | 0n52 | 19 29 | 1 38 | 6 33 | 2 15 | 1 43 | 3 27 | 17 17 | 0 44 | 14 45 | 1 43 | 1 33 | 0 42 | 0 14 | 1 41 | 27 0 | 9 37 | 4 12 | 4 27 | 13 0 | 11 17 | 5 31 | T 16 |
| F 17 | 20 39 | 15 2 | 2 4 | 18 55 | 1 34 | 6 11 | 2 25 | 1 53 | 3 28 | 17 18 | 0 44 | 14 47 | 1 43 | 1 32 | 0 42 | 0 14 | 1 41 | 27 0 | 9 37 | 4 12 | 4 26 | 13 3 | 11 15 | 5 31 | F 17 |
| S 18 | 20 27 | 20 29 | 3 8 | 18 21 | 1 30 | 5 49 | 2 35 | 2 4 | 3 29 | 17 18 | 0 43 | 14 48 | 1 43 | 1 31 | 0 42 | 0 15 | 1 41 | 26 59 | 9 37 | 4 11 | 4 25 | 13 6 | 11 13 | 5 31 | S 18 |
| S 19 | 20 15 | 24 46 | 4 0 | 17 45 | 1 26 | 5 28 | 2 46 | 2 14 | 3 30 | 17 19 | 0 43 | 14 50 | 1 43 | 1 30 | 0 42 | 0 15 | 1 41 | 26 59 | 9 37 | 4 10 | 4 24 | 13 9 | 11 11 | 5 31 | S 19 |
| M20 | 20 2 | 27 32 | 4 38 | 17 9 | 1 21 | 5 7 | 2 57 | 2 24 | 3 31 | 17 19 | 0 43 | 14 51 | 1 43 | 1 29 | 0 42 | 0 16 | 1 41 | 26 58 | 9 37 | 4 7 | 4 22 | 13 12 | 11 9 | 5 31 | M20 |
| T 21 | 19 49 | 28 33 | 4 59 | 16 32 | 1 15 | 4 46 | 3 8 | 2 34 | 3 32 | 17 20 | 0 43 | 14 53 | 1 43 | 1 28 | 0 42 | 0 16 | 1 41 | 26 58 | 9 37 | 4 4 | 4 21 | 13 15 | 11 7 | 5 30 | T 21 |
| W22 | 19 36 | 27 45 | 5 2 | 15 54 | 1 10 | 4 26 | 3 19 | 2 43 | 3 33 | 17 20 | 0 42 | 14 54 | 1 44 | 1 27 | 0 42 | 0 17 | 1 41 | 26 57 | 9 37 | 4 0 | 4 20 | 13 18 | 11 5 | 5 30 | W22 |
| T 23 | 19 23 | 25 17 | 4 47 | 15 16 | 1 4 | 4 6 | 3 30 | 2 53 | 3 33 | 17 21 | 0 42 | 14 56 | 1 44 | 1 26 | 0 42 | 0 18 | 1 41 | 26 57 | 9 37 | 3 56 | 4 19 | 13 22 | 11 3 | 5 30 | T 23 |
| F 24 | 19 9 | 21 29 | 4 17 | 14 37 | 0 57 | 3 47 | 3 41 | 3 2 | 3 34 | 17 22 | 0 42 | 14 57 | 1 44 | 1 25 | 0 42 | 0 18 | 1 40 | 26 56 | 9 37 | 3 51 | 4 17 | 13 25 | 11 1 | 5 30 | F 24 |
| S 25 | 18 55 | 16 42 | 3 34 | 13 58 | 0 51 | 3 28 | 3 53 | 3 11 | 3 35 | 17 22 | 0 42 | 14 59 | 1 44 | 1 24 | 0 41 | 0 19 | 1 40 | 26 56 | 9 37 | 3 48 | 4 16 | 13 28 | 10 59 | 5 30 | S 25 |
| S 26 | 18 40 | 11 18 | 2 41 | 13 19 | 0 44 | 3 10 | 4 4 | 3 20 | 3 36 | 17 23 | 0 42 | 15 0 | 1 44 | 1 23 | 0 41 | 0 19 | 1 40 | 26 55 | 9 38 | 3 45 | 4 15 | 13 31 | 10 57 | 5 30 | S 26 |
| M27 | 18 26 | 5 34 | 1 42 | 12 40 | 0 36 | 2 53 | 4 16 | 3 29 | 3 37 | 17 24 | 0 41 | 15 2 | 1 44 | 1 22 | 0 41 | 0 20 | 1 40 | 26 55 | 9 38 | 3 44 | 4 14 | 13 34 | 10 54 | 5 30 | M27 |
| T 28 | 18 11 | 0s15 | 0 39 | 12 0 | 0 29 | 2 35 | 4 28 | 3 38 | 3 37 | 17 25 | 0 41 | 15 3 | 1 44 | 1 21 | 0 41 | 0 20 | 1 40 | 26 54 | 9 38 | 3 43 | 4 12 | 13 37 | 10 52 | 5 29 | T 28 |
| W29 | 17 55 | 5 58 | 0s25 | 11 20 | 0 21 | 2 19 | 4 40 | 3 46 | 3 38 | 17 26 | 0 41 | 15 5 | 1 45 | 1 20 | 0 41 | 0 21 | 1 40 | 26 54 | 9 38 | 3 43 | 4 11 | 13 40 | 10 50 | 5 29 | W29 |
| T 30 | 17 40 | 11 26 | 1 28 | 10 41 | 0 13 | 2 3 | 4 52 | 3 54 | 3 39 | 17 27 | 0 41 | 15 6 | 1 45 | 1 18 | 0 41 | 0 22 | 1 40 | 26 53 | 9 38 | 3 43 | 4 10 | 13 43 | 10 48 | 5 29 | T 30 |
| F 31 | 17n24 | 16s28 | 2s26 | 10n 1 | 0n 5 | 1n48 | 5s 4 | 4n 2 | 3s40 | 17s28 | 0n40 | 15s 8 | 1s45 | 1n17 | 0n41 | 0s22 | 1n40 | 26n53 | 9n38 | 3n43 | 4n 9 | 13s47 | 10n45 | 5s29 | F 31 |

Julian Day Number = 2072974.5, Delta T = 27m34s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'42, Lahiri = 9°24'42 Julian Calendar 1 July 963 == Greg. Calendar 6 July 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## AUGUST 963 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 56 13 | 12♌36'01 | 19♏36 | 5♍54 | 13♍43 | 19♈13 | 21♏ 5 | 24°R15 | 28♍24 | 4♎47 | 10♌46 | 9°R21 | 10♈21 | 1♏33 | 16♌36 | S 1 |
| S 2 | 21 0 9 | 13°33'49 | 1♐36 | 7°19 | 13°48 | 19°35 | 21° 8 | 24♒11 | 28°27 | 4°49 | 10°48 | 9♈19 | 10°18 | 1°40 | 16°44 | S 2 |
| M 3 | 21 4 6 | 14°31'39 | 13°49 | 8°43 | 13°51 | 19°56 | 21°12 | 24° 6 | 28°30 | 4°50 | 10°50 | 9°15 | 10°15 | 1°46 | 16°52 | M 3 |
| T 4 | 21 8 2 | 15°29'30 | 26°19 | 10° 5 | 13°R52 | 20°17 | 21°15 | 24° 2 | 28°33 | 4°52 | 10°52 | 9° 9 | 10°12 | 1°53 | 17° 0 | T 4 |
| W 5 | 21 11 59 | 16°27'22 | 9♑ 9 | 11°25 | 13°51 | 20°37 | 21°19 | 23°57 | 28°36 | 4°54 | 10°54 | 9° 1 | 10° 9 | 2° 0 | 17° 8 | W 5 |
| T 6 | 21 15 56 | 17°25'16 | 22°21 | 12°44 | 13°47 | 20°57 | 21°23 | 23°53 | 28°39 | 4°55 | 10°55 | 8°53 | 10° 5 | 2° 6 | 17°16 | T 6 |
| F 7 | 21 19 52 | 18°23'11 | 5♒54 | 14° 1 | 13°41 | 21°16 | 21°28 | 23°48 | 28°42 | 4°57 | 10°57 | 8°44 | 10° 2 | 2°13 | 17°24 | F 7 |
| S 8 | 21 23 49 | 19°21'08 | 19°46 | 15°17 | 13°32 | 21°34 | 21°32 | 23°44 | 28°45 | 4°58 | 10°59 | 8°37 | 9°59 | 2°20 | 17°32 | S 8 |
| S 9 | 21 27 45 | 20°19'06 | 3♓53 | 16°30 | 13°21 | 21°52 | 21°37 | 23°39 | 28°49 | 5° 0 | 11° 1 | 8°31 | 9°56 | 2°26 | 17°40 | S 9 |
| M10 | 21 31 42 | 21°17'06 | 18°10 | 17°42 | 13° 8 | 22° 9 | 21°41 | 23°34 | 28°52 | 5° 2 | 11° 3 | 8°27 | 9°53 | 2°33 | 17°48 | M10 |
| T 11 | 21 35 38 | 22°15'08 | 2♈32 | 18°51 | 12°52 | 22°25 | 21°46 | 23°30 | 28°55 | 5° 4 | 11° 5 | 8°D25 | 9°50 | 2°40 | 17°56 | T 11 |
| W12 | 21 39 35 | 23°13'12 | 16°56 | 19°59 | 12°34 | 22°41 | 21°51 | 23°25 | 28°58 | 5° 5 | 11° 7 | 8°25 | 9°46 | 2°46 | 18° 4 | W12 |
| T 13 | 21 43 31 | 24°11'18 | 1♉16 | 21° 4 | 12°14 | 22°56 | 21°57 | 23°21 | 29° 1 | 5° 7 | 11° 9 | 8°26 | 9°43 | 2°53 | 18°12 | T 13 |
| F 14 | 21 47 28 | 25° 9'25 | 15°30 | 22° 7 | 11°51 | 23°11 | 22° 2 | 23°16 | 29° 5 | 5° 9 | 11°11 | 8°28 | 9°40 | 3° 0 | 18°20 | F 14 |
| S 15 | 21 51 25 | 26° 7'35 | 29°37 | 23° 7 | 11°27 | 23°24 | 22° 8 | 23°12 | 29° 8 | 5°11 | 11°13 | 8°R28 | 9°37 | 3° 6 | 18°28 | S 15 |
| S 16 | 21 55 21 | 27° 5'47 | 13♊35 | 24° 5 | 11° 0 | 23°38 | 22°13 | 23° 7 | 29°11 | 5°13 | 11°14 | 8°27 | 9°34 | 3°13 | 18°36 | S 16 |
| M17 | 21 59 18 | 28° 4'02 | 27°24 | 25° 1 | 10°32 | 23°50 | 22°19 | 23° 2 | 29°15 | 5°14 | 11°16 | 8°24 | 9°30 | 3°19 | 18°44 | M17 |
| T 18 | 22 3 14 | 29° 2'18 | 11♋ 1 | 25°53 | 10° 2 | 24° 1 | 22°25 | 22°58 | 29°18 | 5°16 | 11°18 | 8°19 | 9°27 | 3°26 | 18°52 | T 18 |
| W19 | 22 7 11 | 0♍ 0'36 | 24°26 | 26°42 | 9°30 | 24°12 | 22°31 | 22°53 | 29°21 | 5°18 | 11°20 | 8°13 | 9°24 | 3°33 | 19° 0 | W19 |
| T 20 | 22 11 7 | 0°58'57 | 7♌39 | 27°28 | 8°57 | 24°22 | 22°38 | 22°49 | 29°25 | 5°20 | 11°22 | 8° 7 | 9°21 | 3°39 | 19° 8 | T 20 |
| F 21 | 22 15 4 | 1°57'19 | 20°37 | 28°11 | 8°23 | 24°31 | 22°44 | 22°44 | 29°28 | 5°22 | 11°24 | 8° 1 | 9°18 | 3°46 | 19°16 | F 21 |
| S 22 | 22 19 0 | 2°55'43 | 3♍21 | 28°49 | 7°48 | 24°40 | 22°51 | 22°40 | 29°32 | 5°24 | 11°25 | 7°56 | 9°15 | 3°53 | 19°24 | S 22 |
| S 23 | 22 22 57 | 3°54'09 | 15°50 | 29°24 | 7°12 | 24°47 | 22°57 | 22°35 | 29°35 | 5°26 | 11°27 | 7°52 | 9°11 | 3°59 | 19°32 | S 23 |
| M24 | 22 26 54 | 4°52'37 | 28° 6 | 29°54 | 6°35 | 24°54 | 23° 4 | 22°31 | 29°39 | 5°28 | 11°29 | 7°50 | 9° 8 | 4° 6 | 19°40 | M24 |
| T 25 | 22 30 50 | 5°51'06 | 10♎11 | 0♎19 | 5°58 | 25° 0 | 23°11 | 22°27 | 29°42 | 5°30 | 11°31 | 7°D49 | 9° 5 | 4°13 | 19°47 | T 25 |
| W26 | 22 34 47 | 6°49'38 | 22° 6 | 0°39 | 5°22 | 25° 5 | 23°19 | 22°22 | 29°46 | 5°32 | 11°33 | 7°50 | 9° 2 | 4°19 | 19°55 | W26 |
| T 27 | 22 38 43 | 7°48'11 | 3♏55 | 0°54 | 4°45 | 25° 9 | 23°26 | 22°18 | 29°49 | 5°34 | 11°34 | 7°52 | 8°59 | 4°26 | 20° 3 | T 27 |
| F 28 | 22 42 40 | 8°46'46 | 15°43 | 1° 3 | 4° 8 | 25°13 | 23°33 | 22°14 | 29°53 | 5°36 | 11°36 | 7°54 | 8°56 | 4°33 | 20°11 | F 28 |
| S 29 | 22 46 36 | 9°45'23 | 27°34 | 1°R 6 | 3°33 | 25°15 | 23°41 | 22° 9 | 29°57 | 5°38 | 11°38 | 7°55 | 8°52 | 4°39 | 20°19 | S 29 |
| S 30 | 22 50 33 | 10°44'01 | 9♐33 | 1° 3 | 2°58 | 25°17 | 23°49 | 22° 5 | 0♎ 0 | 5°40 | 11°40 | 7°R56 | 8°49 | 4°46 | 20°27 | S 30 |
| M31 | 22 54 29 | 11♍42'42 | 21♐45 | 0♎53 | 2♍24 | 25°R18 | 23♏57 | 22♒ 1 | 0♎ 4 | 5♎42 | 11♌41 | 7♈55 | 8♈46 | 4♏53 | 20♌34 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n 7 | 20s55 | 3s19 | 9n21 | 0s 3 | 1n34 | 5s17 | 4n10 | 3s40 | 17s29 | 0n40 | 15s10 | 1s45 | 1n16 | 0n41 | 0s23 | 1n40 | 26n52 | 9n38 | 3n43 | 4n 7 | 13s50 | 10n43 | 5s29 |
| S 2 | 16 51 | 24 34 | 4 3 | 8 41 | 0 12 | 1 21 | 5 29 | 4 18 | 3 41 | 17 30 | 0 40 | 15 11 | 1 45 | 1 15 | 0 41 | 0 24 | 1 40 | 26 52 | 9 38 | 3 43 | 4 6 | 13 53 | 10 41 | 5 29 |
| M 3 | 16 34 | 27 10 | 4 37 | 8 2 | 0 20 | 1 8 | 5 41 | 4 25 | 3 42 | 17 31 | 0 40 | 15 13 | 1 45 | 1 14 | 0 41 | 0 24 | 1 40 | 26 51 | 9 38 | 3 41 | 4 5 | 13 56 | 10 39 | 5 29 |
| T 4 | 16 17 | 28 30 | 4 59 | 7 23 | 0 29 | 0 57 | 5 53 | 4 32 | 3 42 | 17 33 | 0 39 | 15 14 | 1 45 | 1 12 | 0 41 | 0 25 | 1 40 | 26 51 | 9 38 | 3 39 | 4 4 | 13 59 | 10 36 | 5 29 |
| W 5 | 16 0 | 28 21 | 5 7 | 6 44 | 0 38 | 0 46 | 6 5 | 4 40 | 3 43 | 17 34 | 0 39 | 15 16 | 1 45 | 1 11 | 0 41 | 0 26 | 1 40 | 26 51 | 9 38 | 3 36 | 4 2 | 14 2 | 10 34 | 5 29 |
| T 6 | 15 42 | 26 37 | 4 58 | 6 6 | 0 47 | 0 37 | 6 17 | 4 46 | 3 43 | 17 35 | 0 39 | 15 18 | 1 45 | 1 10 | 0 41 | 0 26 | 1 40 | 26 50 | 9 38 | 3 32 | 4 1 | 14 5 | 10 32 | 5 29 |
| F 7 | 15 24 | 23 19 | 4 33 | 5 27 | 0 56 | 0 28 | 6 29 | 4 53 | 3 44 | 17 36 | 0 39 | 15 19 | 1 46 | 1 9 | 0 41 | 0 27 | 1 40 | 26 50 | 9 39 | 3 29 | 4 0 | 14 8 | 10 29 | 5 29 |
| S 8 | 15 6 | 18 38 | 3 52 | 4 50 | 1 5 | 0 20 | 6 41 | 4 59 | 3 44 | 17 38 | 0 39 | 15 21 | 1 46 | 1 7 | 0 41 | 0 28 | 1 40 | 26 49 | 9 39 | 3 26 | 3 59 | 14 11 | 10 27 | 5 28 |
| S 9 | 14 48 | 12 52 | 2 55 | 4 13 | 1 15 | 0 14 | 6 52 | 5 6 | 3 45 | 17 39 | 0 38 | 15 22 | 1 46 | 1 6 | 0 41 | 0 28 | 1 40 | 26 49 | 9 39 | 3 24 | 3 57 | 14 14 | 10 25 | 5 28 |
| M10 | 14 29 | 6 21 | 1 47 | 3 36 | 1 24 | 0 9 | 7 4 | 5 12 | 3 45 | 17 41 | 0 38 | 15 24 | 1 46 | 1 5 | 0 41 | 0 29 | 1 40 | 26 48 | 9 39 | 3 22 | 3 56 | 14 17 | 10 22 | 5 28 |
| T 11 | 14 10 | 0n32 | 0 32 | 3 0 | 1 33 | 0 5 | 7 14 | 5 17 | 3 46 | 17 42 | 0 38 | 15 26 | 1 46 | 1 4 | 0 41 | 0 30 | 1 40 | 26 48 | 9 39 | 3 21 | 3 55 | 14 21 | 10 20 | 5 28 |
| W12 | 13 51 | 7 24 | 0n46 | 2 25 | 1 43 | 0 2 | 7 25 | 5 23 | 3 46 | 17 44 | 0 38 | 15 27 | 1 46 | 1 2 | 0 41 | 0 30 | 1 40 | 26 47 | 9 39 | 3 22 | 3 54 | 14 24 | 10 17 | 5 28 |
| T 13 | 13 32 | 13 52 | 2 1 | 1 51 | 1 52 | 0 0 | 7 35 | 5 28 | 3 46 | 17 45 | 0 37 | 15 29 | 1 46 | 1 1 | 0 41 | 0 31 | 1 40 | 26 47 | 9 39 | 3 22 | 3 52 | 14 27 | 10 15 | 5 28 |
| F 14 | 13 13 | 19 34 | 3 7 | 1 18 | 2 1 | 0s 0 | 7 45 | 5 33 | 3 46 | 17 47 | 0 37 | 15 30 | 1 46 | 1 0 | 0 41 | 0 32 | 1 40 | 26 47 | 9 39 | 3 22 | 3 51 | 14 30 | 10 13 | 5 28 |
| S 15 | 12 53 | 24 7 | 4 2 | 0 45 | 2 10 | 0n 1 | 7 54 | 5 38 | 3 47 | 17 48 | 0 37 | 15 32 | 1 46 | 0 58 | 0 41 | 0 33 | 1 40 | 26 46 | 9 39 | 3 23 | 3 50 | 14 33 | 10 10 | 5 28 |
| S 16 | 12 33 | 27 13 | 4 42 | 0 14 | 2 20 | 0 3 | 8 2 | 5 43 | 3 47 | 17 50 | 0 37 | 15 34 | 1 46 | 0 57 | 0 41 | 0 33 | 1 40 | 26 46 | 9 40 | 3 22 | 3 49 | 14 36 | 10 8 | 5 28 |
| M17 | 12 13 | 28 37 | 5 4 | 0s17 | 2 29 | 0 6 | 8 10 | 5 47 | 3 47 | 17 52 | 0 37 | 15 35 | 1 46 | 0 56 | 0 41 | 0 34 | 1 40 | 26 45 | 9 40 | 3 21 | 3 47 | 14 39 | 10 5 | 5 28 |
| T 18 | 11 52 | 28 16 | 5 10 | 0 46 | 2 37 | 0 11 | 8 17 | 5 51 | 3 47 | 17 54 | 0 36 | 15 37 | 1 46 | 0 54 | 0 41 | 0 35 | 1 40 | 26 45 | 9 40 | 3 19 | 3 46 | 14 42 | 10 3 | 5 28 |
| W19 | 11 32 | 26 14 | 4 58 | 1 13 | 2 46 | 0 16 | 8 23 | 5 55 | 3 47 | 17 55 | 0 36 | 15 38 | 1 46 | 0 53 | 0 41 | 0 36 | 1 40 | 26 45 | 9 40 | 3 17 | 3 45 | 14 45 | 10 0 | 5 29 |
| T 20 | 11 11 | 22 49 | 4 30 | 1 39 | 2 55 | 0 23 | 8 29 | 5 58 | 3 47 | 17 57 | 0 36 | 15 40 | 1 46 | 0 51 | 0 41 | 0 37 | 1 40 | 26 44 | 9 40 | 3 14 | 3 44 | 14 48 | 9 58 | 5 29 |
| F 21 | 10 50 | 18 19 | 3 49 | 2 4 | 3 3 | 0 32 | 8 34 | 6 2 | 3 47 | 17 59 | 0 36 | 15 41 | 1 46 | 0 50 | 0 41 | 0 37 | 1 40 | 26 44 | 9 40 | 3 12 | 3 42 | 14 51 | 9 55 | 5 29 |
| S 22 | 10 29 | 13 5 | 2 57 | 2 27 | 3 11 | 0 41 | 8 38 | 6 5 | 3 47 | 18 1 | 0 36 | 15 43 | 1 46 | 0 49 | 0 41 | 0 38 | 1 39 | 26 43 | 9 41 | 3 10 | 3 41 | 14 54 | 9 53 | 5 29 |
| S 23 | 10 8 | 7 25 | 1 57 | 2 47 | 3 19 | 0 51 | 8 41 | 6 8 | 3 47 | 18 3 | 0 35 | 15 44 | 1 47 | 0 47 | 0 41 | 0 39 | 1 39 | 26 43 | 9 41 | 3 8 | 3 40 | 14 57 | 9 50 | 5 29 |
| M24 | 9 47 | 1 34 | 0 53 | 3 6 | 3 26 | 1 3 | 8 43 | 6 10 | 3 47 | 18 5 | 0 35 | 15 46 | 1 47 | 0 46 | 0 41 | 0 40 | 1 39 | 26 43 | 9 41 | 3 7 | 3 38 | 15 0 | 9 48 | 5 29 |
| T 25 | 9 25 | 4s15 | 0s13 | 3 22 | 3 32 | 1 15 | 8 44 | 6 13 | 3 47 | 18 7 | 0 35 | 15 47 | 1 47 | 0 44 | 0 41 | 0 41 | 1 39 | 26 42 | 9 41 | 3 7 | 3 37 | 15 3 | 9 45 | 5 29 |
| W26 | 9 3 | 9 51 | 1 17 | 3 36 | 3 38 | 1 28 | 8 44 | 6 15 | 3 47 | 18 9 | 0 35 | 15 49 | 1 47 | 0 43 | 0 41 | 0 41 | 1 39 | 26 42 | 9 41 | 3 8 | 3 36 | 15 6 | 9 43 | 5 29 |
| T 27 | 8 41 | 15 4 | 2 18 | 3 47 | 3 44 | 1 42 | 8 44 | 6 17 | 3 46 | 18 11 | 0 35 | 15 50 | 1 47 | 0 42 | 0 41 | 0 42 | 1 39 | 26 42 | 9 42 | 3 8 | 3 35 | 15 9 | 9 40 | 5 29 |
| F 28 | 8 19 | 19 43 | 3 13 | 3 55 | 3 49 | 1 56 | 8 42 | 6 18 | 3 46 | 18 13 | 0 34 | 15 52 | 1 47 | 0 40 | 0 41 | 0 43 | 1 39 | 26 41 | 9 42 | 3 9 | 3 33 | 15 12 | 9 38 | 5 29 |
| S 29 | 7 57 | 23 37 | 4 0 | 4 0 | 3 52 | 2 11 | 8 40 | 6 20 | 3 45 | 18 15 | 0 34 | 15 53 | 1 47 | 0 39 | 0 41 | 0 44 | 1 39 | 26 41 | 9 42 | 3 10 | 3 32 | 15 15 | 9 35 | 5 29 |
| S 30 | 7 35 | 26 34 | 4 37 | 4 1 | 3 55 | 2 27 | 8 36 | 6 21 | 3 45 | 18 17 | 0 34 | 15 54 | 1 47 | 0 37 | 0 41 | 0 45 | 1 39 | 26 41 | 9 42 | 3 10 | 3 31 | 15 18 | 9 33 | 5 29 |
| M31 | 7n13 | 28s21 | 5s 2 | 3s58 | 3s57 | 2n43 | 8s32 | 6n21 | 3s44 | 18s19 | 0n34 | 15s56 | 1s47 | 0n36 | 0n41 | 0s46 | 1n39 | 26n40 | 9n42 | 3n10 | 3n30 | 15s21 | 9n30 | 5s30 |

Julian Day Number = 2073005.5, Delta T = 27m34s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'46, Lahiri = 9°24'46 Julian Calendar 1 Aug. 963 == Greg. Calendar 6 Aug. 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## SEPTEMBER 963 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 58 26 | 12♍41'24 | 4♉15 | 0°R35 | 1°R52 | 25°R17 | 24♏ 5 | 21°R57 | 0♎ 7 | 5♎44 | 11♌43 | 7°R54 | 8♈43 | 4♏59 | 20♌42 | T 1 |
| W 2 | 23 2 22 | 13°40'08 | 17° 5 | 0♎11 | 1♍21 | 25♈16 | 24°13 | 21♒53 | 0°11 | 5°46 | 11°45 | 7♈51 | 8°40 | 5° 6 | 20°50 | W 2 |
| T 3 | 23 6 19 | 14°38'53 | 0♒20 | 29♍39 | 0°51 | 25°15 | 24°21 | 21°49 | 0°15 | 5°49 | 11°46 | 7°48 | 8°36 | 5°13 | 20°57 | T 3 |
| F 4 | 23 10 16 | 15°37'41 | 14° 0 | 29° 1 | 0°24 | 25°12 | 24°29 | 21°45 | 0°18 | 5°51 | 11°48 | 7°45 | 8°33 | 5°19 | 21° 5 | F 4 |
| S 5 | 23 14 12 | 16°36'30 | 28° 4 | 28°15 | 29♌58 | 25° 8 | 24°38 | 21°41 | 0°22 | 5°53 | 11°50 | 7°42 | 8°30 | 5°26 | 21°13 | S 5 |
| S 6 | 23 18 9 | 17°35'21 | 12♓29 | 27°23 | 29°35 | 25° 4 | 24°47 | 21°37 | 0°26 | 5°55 | 11°51 | 7°39 | 8°27 | 5°33 | 21°20 | S 6 |
| M 7 | 23 22 5 | 18°34'14 | 27° 9 | 26°25 | 29°13 | 24°58 | 24°55 | 21°33 | 0°30 | 5°57 | 11°53 | 7°38 | 8°24 | 5°39 | 21°28 | M 7 |
| T 8 | 23 26 2 | 19°33'10 | 11♈57 | 25°23 | 28°54 | 24°52 | 25° 4 | 21°29 | 0°33 | 5°59 | 11°54 | 7°D38 | 8°21 | 5°46 | 21°35 | T 8 |
| W 9 | 23 29 58 | 20°32'07 | 26°46 | 24°17 | 28°37 | 24°45 | 25°13 | 21°26 | 0°37 | 6° 1 | 11°56 | 7°39 | 8°17 | 5°53 | 21°43 | W 9 |
| T 10 | 23 33 55 | 21°31'07 | 11♉29 | 23° 9 | 28°23 | 24°37 | 25°22 | 21°22 | 0°41 | 6° 4 | 11°58 | 7°40 | 8°14 | 5°59 | 21°50 | T 10 |
| F 11 | 23 37 51 | 22°30'09 | 26° 1 | 22° 1 | 28°11 | 24°28 | 25°31 | 21°18 | 0°44 | 6° 6 | 11°59 | 7°41 | 8°11 | 6° 6 | 21°58 | F 11 |
| S 12 | 23 41 48 | 23°29'14 | 10♊17 | 20°54 | 28° 2 | 24°18 | 25°41 | 21°15 | 0°48 | 6° 8 | 12° 1 | 7°42 | 8° 8 | 6°13 | 22° 5 | S 12 |
| S 13 | 23 45 45 | 24°28'21 | 24°16 | 19°50 | 27°55 | 24° 8 | 25°50 | 21°11 | 0°52 | 6°10 | 12° 2 | 7°R42 | 8° 5 | 6°19 | 22°13 | S 13 |
| M14 | 23 49 41 | 25°27'30 | 7♋58 | 18°52 | 27°50 | 23°56 | 26° 0 | 21° 8 | 0°56 | 6°12 | 12° 4 | 7°42 | 8° 2 | 6°26 | 22°20 | M14 |
| T 15 | 23 53 38 | 26°26'42 | 21°21 | 18° 0 | 27°D48 | 23°44 | 26° 9 | 21° 5 | 1° 0 | 6°15 | 12° 5 | 7°41 | 7°58 | 6°33 | 22°27 | T 15 |
| W16 | 23 57 34 | 27°25'57 | 4♌28 | 17°16 | 27°49 | 23°31 | 26°19 | 21° 1 | 1° 3 | 6°17 | 12° 7 | 7°40 | 7°55 | 6°39 | 22°34 | W16 |
| T 17 | 0 1 31 | 28°25'13 | 17°19 | 16°42 | 27°51 | 23°18 | 26°29 | 20°58 | 1° 7 | 6°19 | 12° 8 | 7°38 | 7°52 | 6°46 | 22°41 | T 17 |
| F 18 | 0 5 27 | 29°24'32 | 29°56 | 16°18 | 27°56 | 23° 3 | 26°39 | 20°55 | 1°11 | 6°21 | 12°10 | 7°37 | 7°49 | 6°53 | 22°49 | F 18 |
| S 19 | 0 9 24 | 0♎23'53 | 12♍21 | 16° 4 | 28° 4 | 22°48 | 26°49 | 20°52 | 1°15 | 6°23 | 12°11 | 7°36 | 7°46 | 6°59 | 22°56 | S 19 |
| S 20 | 0 13 20 | 1°23'16 | 24°35 | 16°D 1 | 28°13 | 22°32 | 26°59 | 20°49 | 1°18 | 6°26 | 12°12 | 7°36 | 7°42 | 7° 6 | 23° 3 | S 20 |
| M21 | 0 17 17 | 2°22'41 | 6♎39 | 16° 9 | 28°25 | 22°16 | 27°10 | 20°46 | 1°22 | 6°28 | 12°14 | 7°D36 | 7°39 | 7°13 | 23°10 | M21 |
| T 22 | 0 21 14 | 3°22'08 | 18°36 | 16°27 | 28°39 | 21°59 | 27°20 | 20°44 | 1°26 | 6°30 | 12°15 | 7°36 | 7°36 | 7°19 | 23°17 | T 22 |
| W23 | 0 25 10 | 4°21'38 | 0♏27 | 16°55 | 28°54 | 21°41 | 27°31 | 20°41 | 1°30 | 6°32 | 12°16 | 7°36 | 7°33 | 7°26 | 23°24 | W23 |
| T 24 | 0 29 7 | 5°21'09 | 12°16 | 17°33 | 29°12 | 21°23 | 27°41 | 20°38 | 1°34 | 6°35 | 12°18 | 7°36 | 7°30 | 7°33 | 23°30 | T 24 |
| F 25 | 0 33 3 | 6°20'42 | 24° 4 | 18°20 | 29°32 | 21° 4 | 27°52 | 20°36 | 1°37 | 6°37 | 12°19 | 7°36 | 7°27 | 7°39 | 23°37 | F 25 |
| S 26 | 0 37 0 | 7°20'17 | 5♐55 | 19°14 | 29°54 | 20°45 | 28° 3 | 20°34 | 1°41 | 6°39 | 12°20 | 7°R37 | 7°23 | 7°46 | 23°44 | S 26 |
| S 27 | 0 40 56 | 8°19'55 | 17°53 | 20°16 | 0♍17 | 20°26 | 28°13 | 20°31 | 1°45 | 6°41 | 12°21 | 7°37 | 7°20 | 7°53 | 23°51 | S 27 |
| M28 | 0 44 53 | 9°19'34 | 0♑ 3 | 21°24 | 0°42 | 20° 6 | 28°24 | 20°29 | 1°49 | 6°44 | 12°23 | 7°36 | 7°17 | 7°59 | 23°57 | M28 |
| T 29 | 0 48 49 | 10°19'14 | 12°28 | 22°37 | 1° 9 | 19°46 | 28°35 | 20°27 | 1°52 | 6°46 | 12°24 | 7°D36 | 7°14 | 8° 6 | 24° 4 | T 29 |
| W30 | 0 52 46 | 11♎18'57 | 25♑13 | 23♍56 | 1♍38 | 19♈26 | 28♏47 | 20♒25 | 1♎56 | 6♎48 | 12♌25 | 7♈37 | 7♈11 | 8♏13 | 24♌10 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n50 | 28s44 | 5s14 | 3s52 | 3s58 | 2n59 | 8s27 | 6n22 | 3s44 | 18s21 | 0n34 | 15s57 | 1s47 | 0n34 | 0n41 | 0s46 | 1n39 | 26n40 | 9n43 | 3n 9 | 3n28 | 15s24 | 9n28 | 5s30 |
| W 2 | 6 27 | 27 36 | 5 11 | 3 41 | 3 57 | 3 15 | 8 21 | 6 22 | 3 43 | 18 24 | 0 33 | 15 58 | 1 47 | 0 33 | 0 41 | 0 47 | 1 39 | 26 40 | 9 43 | 3 8 | 3 27 | 15 27 | 9 25 | 5 30 |
| T 3 | 6 5 | 24 55 | 4 51 | 3 26 | 3 54 | 3 32 | 8 14 | 6 22 | 3 42 | 18 26 | 0 33 | 16 0 | 1 47 | 0 31 | 0 41 | 0 48 | 1 39 | 26 40 | 9 43 | 3 7 | 3 26 | 15 30 | 9 23 | 5 30 |
| F 4 | 5 42 | 20 46 | 4 14 | 3 7 | 3 50 | 3 48 | 8 6 | 6 22 | 3 41 | 18 28 | 0 33 | 16 1 | 1 47 | 0 30 | 0 41 | 0 49 | 1 39 | 26 39 | 9 43 | 3 5 | 3 25 | 15 33 | 9 20 | 5 30 |
| S 5 | 5 19 | 15 21 | 3 21 | 2 43 | 3 44 | 4 5 | 7 58 | 6 22 | 3 40 | 18 30 | 0 33 | 16 2 | 1 47 | 0 28 | 0 41 | 0 50 | 1 39 | 26 39 | 9 43 | 3 4 | 3 23 | 15 36 | 9 17 | 5 30 |
| S 6 | 4 56 | 8 59 | 2 14 | 2 15 | 3 36 | 4 21 | 7 50 | 6 21 | 3 39 | 18 33 | 0 33 | 16 4 | 1 47 | 0 27 | 0 41 | 0 51 | 1 39 | 26 39 | 9 44 | 3 3 | 3 22 | 15 39 | 9 15 | 5 31 |
| M 7 | 4 33 | 2 1 | 0 58 | 1 43 | 3 27 | 4 37 | 7 40 | 6 20 | 3 38 | 18 35 | 0 33 | 16 5 | 1 47 | 0 25 | 0 41 | 0 52 | 1 39 | 26 39 | 9 44 | 3 3 | 3 21 | 15 42 | 9 12 | 5 31 |
| T 8 | 4 10 | 5n 7 | 0n24 | 1 8 | 3 15 | 4 53 | 7 31 | 6 19 | 3 37 | 18 37 | 0 32 | 16 6 | 1 47 | 0 24 | 0 41 | 0 52 | 1 39 | 26 38 | 9 44 | 3 3 | 3 20 | 15 45 | 9 10 | 5 31 |
| W 9 | 3 46 | 11 59 | 1 44 | 0 29 | 3 1 | 5 8 | 7 20 | 6 18 | 3 36 | 18 39 | 0 32 | 16 7 | 1 47 | 0 22 | 0 40 | 0 53 | 1 39 | 26 38 | 9 44 | 3 3 | 3 18 | 15 48 | 9 7 | 5 31 |
| T 10 | 3 23 | 18 9 | 2 57 | 0n12 | 2 46 | 5 23 | 7 10 | 6 16 | 3 34 | 18 42 | 0 32 | 16 8 | 1 46 | 0 21 | 0 40 | 0 54 | 1 39 | 26 38 | 9 45 | 3 3 | 3 17 | 15 51 | 9 5 | 5 31 |
| F 11 | 3 0 | 23 12 | 3 57 | 0 55 | 2 29 | 5 37 | 6 59 | 6 14 | 3 33 | 18 44 | 0 32 | 16 10 | 1 46 | 0 19 | 0 40 | 0 55 | 1 39 | 26 38 | 9 45 | 3 4 | 3 16 | 15 54 | 9 2 | 5 32 |
| S 12 | 2 36 | 26 45 | 4 41 | 1 38 | 2 10 | 5 51 | 6 48 | 6 12 | 3 31 | 18 47 | 0 32 | 16 11 | 1 46 | 0 18 | 0 40 | 0 56 | 1 39 | 26 37 | 9 45 | 3 4 | 3 15 | 15 57 | 9 0 | 5 32 |
| S 13 | 2 12 | 28 35 | 5 8 | 2 21 | 1 51 | 6 4 | 6 36 | 6 10 | 3 30 | 18 49 | 0 31 | 16 12 | 1 46 | 0 16 | 0 40 | 0 57 | 1 39 | 26 37 | 9 45 | 3 4 | 3 13 | 16 0 | 8 57 | 5 32 |
| M14 | 1 49 | 28 36 | 5 17 | 3 2 | 1 31 | 6 16 | 6 24 | 6 7 | 3 28 | 18 51 | 0 31 | 16 13 | 1 46 | 0 15 | 0 40 | 0 58 | 1 39 | 26 37 | 9 46 | 3 4 | 3 12 | 16 3 | 8 54 | 5 32 |
| T 15 | 1 25 | 26 56 | 5 8 | 3 41 | 1 11 | 6 28 | 6 13 | 6 5 | 3 26 | 18 54 | 0 31 | 16 14 | 1 46 | 0 13 | 0 40 | 0 59 | 1 39 | 26 37 | 9 46 | 3 4 | 3 11 | 16 6 | 8 52 | 5 32 |
| W16 | 1 2 | 23 50 | 4 43 | 4 17 | 0 50 | 6 39 | 6 1 | 6 2 | 3 24 | 18 56 | 0 31 | 16 15 | 1 46 | 0 12 | 0 40 | 0 59 | 1 39 | 26 37 | 9 46 | 3 3 | 3 10 | 16 9 | 8 49 | 5 33 |
| T 17 | 0 38 | 19 36 | 4 4 | 4 49 | 0 30 | 6 50 | 5 49 | 5 58 | 3 22 | 18 59 | 0 31 | 16 16 | 1 46 | 0 10 | 0 40 | 1 0 | 1 39 | 26 37 | 9 46 | 3 3 | 3 8 | 16 12 | 8 47 | 5 33 |
| F 18 | 0 14 | 14 35 | 3 14 | 5 16 | 0 11 | 7 0 | 5 36 | 5 55 | 3 20 | 19 1 | 0 31 | 16 17 | 1 46 | 0 9 | 0 40 | 1 1 | 1 39 | 26 36 | 9 47 | 3 2 | 3 7 | 16 15 | 8 44 | 5 33 |
| S 19 | 0s10 | 9 3 | 2 16 | 5 38 | 0n 7 | 7 8 | 5 24 | 5 51 | 3 18 | 19 4 | 0 30 | 16 18 | 1 46 | 0 7 | 0 40 | 1 2 | 1 39 | 26 36 | 9 47 | 3 2 | 3 6 | 16 18 | 8 42 | 5 34 |
| S 20 | 0 33 | 3 16 | 1 12 | 5 55 | 0 24 | 7 17 | 5 12 | 5 48 | 3 15 | 19 6 | 0 30 | 16 19 | 1 46 | 0 6 | 0 40 | 1 3 | 1 39 | 26 36 | 9 47 | 3 2 | 3 4 | 16 21 | 8 39 | 5 34 |
| M21 | 0 57 | 2s35 | 0 5 | 6 7 | 0 40 | 7 24 | 5 0 | 5 44 | 3 13 | 19 9 | 0 30 | 16 19 | 1 46 | 0 4 | 0 40 | 1 4 | 1 39 | 26 36 | 9 48 | 3 2 | 3 3 | 16 24 | 8 37 | 5 34 |
| T 22 | 1 21 | 8 16 | 1s 1 | 6 13 | 0 55 | 7 31 | 4 48 | 5 40 | 3 10 | 19 11 | 0 30 | 16 20 | 1 46 | 0 3 | 0 40 | 1 5 | 1 39 | 26 36 | 9 48 | 3 2 | 3 2 | 16 27 | 8 34 | 5 34 |
| W23 | 1 45 | 13 38 | 2 4 | 6 14 | 1 8 | 7 36 | 4 36 | 5 36 | 3 8 | 19 14 | 0 30 | 16 21 | 1 46 | 0 1 | 0 40 | 1 6 | 1 39 | 26 36 | 9 48 | 3 2 | 3 1 | 16 30 | 8 32 | 5 35 |
| T 24 | 2 8 | 18 28 | 3 1 | 6 10 | 1 19 | 7 41 | 4 24 | 5 31 | 3 5 | 19 17 | 0 30 | 16 22 | 1 46 | 0s 0 | 0 40 | 1 7 | 1 39 | 26 36 | 9 48 | 3 2 | 2 59 | 16 33 | 8 29 | 5 35 |
| F 25 | 2 32 | 22 37 | 3 51 | 6 1 | 1 29 | 7 46 | 4 12 | 5 27 | 3 2 | 19 19 | 0 29 | 16 23 | 1 46 | 0 2 | 0 40 | 1 7 | 1 39 | 26 36 | 9 49 | 3 2 | 2 58 | 16 36 | 8 27 | 5 35 |
| S 26 | 2 56 | 25 51 | 4 30 | 5 47 | 1 38 | 7 49 | 4 1 | 5 23 | 3 0 | 19 22 | 0 29 | 16 23 | 1 46 | 0 3 | 0 40 | 1 8 | 1 39 | 26 35 | 9 49 | 3 2 | 2 57 | 16 39 | 8 24 | 5 36 |
| S 27 | 3 19 | 27 59 | 4 59 | 5 29 | 1 45 | 7 52 | 3 49 | 5 18 | 2 57 | 19 24 | 0 29 | 16 24 | 1 46 | 0 5 | 0 40 | 1 9 | 1 39 | 26 35 | 9 49 | 3 2 | 2 56 | 16 41 | 8 22 | 5 36 |
| M28 | 3 43 | 28 49 | 5 15 | 5 8 | 1 51 | 7 54 | 3 38 | 5 14 | 2 53 | 19 27 | 0 29 | 16 25 | 1 45 | 0 6 | 0 40 | 1 10 | 1 39 | 26 35 | 9 50 | 3 2 | 2 54 | 16 44 | 8 19 | 5 36 |
| T 29 | 4 7 | 28 14 | 5 17 | 4 43 | 1 55 | 7 55 | 3 26 | 5 9 | 2 50 | 19 29 | 0 29 | 16 25 | 1 45 | 0 8 | 0 40 | 1 11 | 1 39 | 26 35 | 9 50 | 3 2 | 2 53 | 16 47 | 8 17 | 5 37 |
| W30 | 4s30 | 26s10 | 5s 3 | 4n15 | 1n59 | 7n55 | 3s15 | 5n 4 | 2s47 | 19s32 | 0n29 | 16s26 | 1s45 | 0s 9 | 0n40 | 1s12 | 1n39 | 26n35 | 9n50 | 3n 2 | 2n52 | 16s50 | 8n14 | 5s37 |

Julian Day Number = 2073036.5, Delta T = 27m34s
Ecliptic obliquity = 23°34'34, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'50, Lahiri = 9°24'51 Julian Calendar 1 Sept. 963 == Greg. Calendar 6 Sept. 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## OCTOBER 963 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 56 43 | 12♎18'41 | 8♒22 | 25♍18 | 2♍ 8 | 19°R 6 | 28♏58 | 20°R23 | 2♎ 0 | 6♎50 | 12♌26 | 7♈37 | 7♈ 7 | 8♏19 | 24♌17 | T 1 |
| F 2 | 1 0 39 | 13°18'27 | 21°58 | 26°44 | 2°39 | 18♈45 | 29° 9 | 20♒21 | 2° 4 | 6°53 | 12°27 | 7°37 | 7° 4 | 8°26 | 24°23 | F 2 |
| S 3 | 1 4 36 | 14°18'15 | 6♓ 0 | 28°13 | 3°13 | 18°25 | 29°20 | 20°19 | 2° 7 | 6°55 | 12°28 | 7°38 | 7° 1 | 8°33 | 24°29 | S 3 |
| S 4 | 1 8 32 | 15°18'04 | 20°28 | 29°44 | 3°47 | 18° 4 | 29°32 | 20°18 | 2°11 | 6°57 | 12°29 | 7°38 | 6°58 | 8°39 | 24°36 | S 4 |
| M 5 | 1 12 29 | 16°17'56 | 5♈18 | 1♎17 | 4°23 | 17°44 | 29°43 | 20°16 | 2°15 | 6°59 | 12°30 | 7°R39 | 6°55 | 8°46 | 24°42 | M 5 |
| T 6 | 1 16 25 | 17°17'49 | 20°22 | 2°52 | 5° 0 | 17°23 | 29°55 | 20°15 | 2°18 | 7° 1 | 12°31 | 7°39 | 6°52 | 8°53 | 24°48 | T 6 |
| W 7 | 1 20 22 | 18°17'44 | 5♉32 | 4°28 | 5°39 | 17° 3 | 0♐ 7 | 20°13 | 2°22 | 7° 4 | 12°32 | 7°38 | 6°48 | 8°59 | 24°54 | W 7 |
| T 8 | 1 24 18 | 19°17'42 | 20°38 | 6° 6 | 6°18 | 16°43 | 0°19 | 20°12 | 2°26 | 7° 6 | 12°33 | 7°37 | 6°45 | 9° 6 | 25° 0 | T 8 |
| F 9 | 1 28 15 | 20°17'41 | 5♊32 | 7°43 | 6°59 | 16°23 | 0°30 | 20°11 | 2°29 | 7° 8 | 12°34 | 7°35 | 6°42 | 9°13 | 25° 6 | F 9 |
| S 10 | 1 32 12 | 21°17'43 | 20° 7 | 9°22 | 7°41 | 16° 3 | 0°42 | 20°10 | 2°33 | 7°10 | 12°35 | 7°34 | 6°39 | 9°19 | 25°12 | S 10 |
| S 11 | 1 36 8 | 22°17'47 | 4♋18 | 11° 1 | 8°25 | 15°44 | 0°54 | 20° 9 | 2°37 | 7°12 | 12°36 | 7°32 | 6°36 | 9°26 | 25°18 | S 11 |
| M12 | 1 40 5 | 23°17'53 | 18° 3 | 12°40 | 9° 9 | 15°25 | 1° 6 | 20° 8 | 2°40 | 7°15 | 12°37 | 7°D32 | 6°33 | 9°33 | 25°23 | M12 |
| T 13 | 1 44 1 | 24°18'02 | 1♌23 | 14°19 | 9°54 | 15° 6 | 1°18 | 20° 7 | 2°44 | 7°17 | 12°38 | 7°32 | 6°29 | 9°39 | 25°29 | T 13 |
| W14 | 1 47 58 | 25°18'13 | 14°22 | 15°58 | 10°40 | 14°48 | 1°31 | 20° 6 | 2°47 | 7°19 | 12°38 | 7°33 | 6°26 | 9°46 | 25°35 | W14 |
| T 15 | 1 51 54 | 26°18'25 | 27° 0 | 17°37 | 11°28 | 14°30 | 1°43 | 20° 6 | 2°51 | 7°21 | 12°39 | 7°34 | 6°23 | 9°53 | 25°40 | T 15 |
| F 16 | 1 55 51 | 27°18'40 | 9♍23 | 19°16 | 12°16 | 14°13 | 1°55 | 20° 5 | 2°55 | 7°23 | 12°40 | 7°35 | 6°20 | 9°59 | 25°45 | F 16 |
| S 17 | 1 59 47 | 28°18'57 | 21°33 | 20°55 | 13° 5 | 13°56 | 2° 8 | 20° 5 | 2°58 | 7°25 | 12°41 | 7°37 | 6°17 | 10° 6 | 25°51 | S 17 |
| S 18 | 2 3 44 | 29°19'15 | 3♎35 | 22°33 | 13°55 | 13°40 | 2°20 | 20° 5 | 3° 2 | 7°27 | 12°41 | 7°R38 | 6°13 | 10°13 | 25°56 | S 18 |
| M19 | 2 7 40 | 0♏19'36 | 15°29 | 24°12 | 14°45 | 13°25 | 2°32 | 20° 5 | 3° 5 | 7°30 | 12°42 | 7°37 | 6°10 | 10°19 | 26° 1 | M19 |
| T 20 | 2 11 37 | 1°19'58 | 27°20 | 25°50 | 15°37 | 13°10 | 2°45 | 20°D 5 | 3° 8 | 7°32 | 12°43 | 7°36 | 6° 7 | 10°26 | 26° 6 | T 20 |
| W21 | 2 15 34 | 2°20'22 | 9♏ 9 | 27°27 | 16°29 | 12°56 | 2°58 | 20° 5 | 3°12 | 7°34 | 12°43 | 7°33 | 6° 4 | 10°33 | 26°11 | W21 |
| T 22 | 2 19 30 | 3°20'48 | 20°57 | 29° 5 | 17°22 | 12°42 | 3°10 | 20° 5 | 3°15 | 7°36 | 12°44 | 7°29 | 6° 1 | 10°39 | 26°16 | T 22 |
| F 23 | 2 23 27 | 4°21'16 | 2♐48 | 0♏42 | 18°15 | 12°30 | 3°23 | 20° 5 | 3°19 | 7°38 | 12°44 | 7°25 | 5°58 | 10°46 | 26°21 | F 23 |
| S 24 | 2 27 23 | 5°21'45 | 14°43 | 2°19 | 19° 9 | 12°18 | 3°36 | 20° 6 | 3°22 | 7°40 | 12°45 | 7°20 | 5°54 | 10°53 | 26°26 | S 24 |
| S 25 | 2 31 20 | 6°22'16 | 26°45 | 3°55 | 20° 4 | 12° 7 | 3°49 | 20° 6 | 3°25 | 7°42 | 12°45 | 7°15 | 5°51 | 10°59 | 26°30 | S 25 |
| M26 | 2 35 16 | 7°22'48 | 8♑56 | 5°31 | 21° 0 | 11°56 | 4° 1 | 20° 7 | 3°29 | 7°44 | 12°46 | 7°11 | 5°48 | 11° 6 | 26°35 | M26 |
| T 27 | 2 39 13 | 8°23'22 | 21°20 | 7° 7 | 21°56 | 11°47 | 4°14 | 20° 7 | 3°32 | 7°46 | 12°46 | 7° 8 | 5°45 | 11°13 | 26°39 | T 27 |
| W28 | 2 43 10 | 9°23'57 | 4♒ 0 | 8°43 | 22°52 | 11°38 | 4°27 | 20° 8 | 3°35 | 7°48 | 12°47 | 7°D 6 | 5°42 | 11°19 | 26°44 | W28 |
| T 29 | 2 47 6 | 10°24'33 | 17° 1 | 10°18 | 23°50 | 11°30 | 4°40 | 20° 9 | 3°38 | 7°50 | 12°47 | 7° 6 | 5°39 | 11°26 | 26°48 | T 29 |
| F 30 | 2 51 3 | 11°25'10 | 0♓25 | 11°53 | 24°47 | 11°23 | 4°53 | 20°10 | 3°42 | 7°52 | 12°47 | 7° 8 | 5°35 | 11°33 | 26°52 | F 30 |
| S 31 | 2 54 59 | 12♏25'48 | 14♓15 | 13♏28 | 25♍46 | 11♈17 | 5♐ 6 | 20♒11 | 3♎45 | 7♎54 | 12♌48 | 7♈ 9 | 5♈32 | 11♏39 | 26♌56 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s54 | 22s40 | 4s33 | 3n44 | 2n 1 | 7n55 | 3s 4 | 5n 0 | 2s44 | 19s35 | 0n29 | 16s26 | 1s45 | 0s11 | 0n40 | 1s13 | 1n39 | 26n35 | 9n51 | 3n 2 | 2n51 | 16s53 | 8n12 | 5s37 |
| F 2 | 5 17 | 17 51 | 3 47 | 3 11 | 2 3 | 7 54 | 2 53 | 4 55 | 2 40 | 19 37 | 0 28 | 16 27 | 1 45 | 0 12 | 0 40 | 1 14 | 1 39 | 26 35 | 9 51 | 3 2 | 2 49 | 16 56 | 8 9 | 5 38 |
| S 3 | 5 40 | 11 57 | 2 47 | 2 36 | 2 3 | 7 52 | 2 43 | 4 50 | 2 37 | 19 40 | 0 28 | 16 27 | 1 45 | 0 14 | 0 40 | 1 14 | 1 39 | 26 35 | 9 51 | 3 3 | 2 48 | 16 59 | 8 7 | 5 38 |
| S 4 | 6 4 | 5 14 | 1 34 | 1 59 | 2 3 | 7 49 | 2 32 | 4 46 | 2 34 | 19 42 | 0 28 | 16 28 | 1 45 | 0 15 | 0 40 | 1 15 | 1 39 | 26 35 | 9 52 | 3 3 | 2 47 | 17 2 | 8 5 | 5 38 |
| M 5 | 6 27 | 1n55 | 0 13 | 1 20 | 2 1 | 7 46 | 2 22 | 4 41 | 2 30 | 19 45 | 0 28 | 16 28 | 1 45 | 0 17 | 0 40 | 1 16 | 1 39 | 26 35 | 9 52 | 3 3 | 2 46 | 17 5 | 8 2 | 5 39 |
| T 6 | 6 50 | 9 5 | 1n10 | 0 41 | 1 59 | 7 42 | 2 11 | 4 37 | 2 26 | 19 48 | 0 28 | 16 29 | 1 45 | 0 18 | 0 40 | 1 17 | 1 39 | 26 35 | 9 52 | 3 3 | 2 44 | 17 7 | 8 0 | 5 39 |
| W 7 | 7 13 | 15 46 | 2 29 | 0s 0 | 1 57 | 7 37 | 2 1 | 4 32 | 2 23 | 19 50 | 0 28 | 16 29 | 1 45 | 0 20 | 0 40 | 1 18 | 1 39 | 26 35 | 9 53 | 3 3 | 2 43 | 17 10 | 7 58 | 5 40 |
| T 8 | 7 36 | 21 29 | 3 36 | 0 42 | 1 54 | 7 31 | 1 52 | 4 28 | 2 19 | 19 53 | 0 28 | 16 29 | 1 45 | 0 21 | 0 40 | 1 19 | 1 39 | 26 35 | 9 53 | 3 2 | 2 42 | 17 13 | 7 55 | 5 40 |
| F 9 | 7 58 | 25 45 | 4 29 | 1 24 | 1 50 | 7 25 | 1 42 | 4 24 | 2 15 | 19 56 | 0 27 | 16 29 | 1 44 | 0 23 | 0 40 | 1 20 | 1 39 | 26 35 | 9 53 | 3 2 | 2 41 | 17 16 | 7 53 | 5 40 |
| S 10 | 8 21 | 28 14 | 5 2 | 2 6 | 1 46 | 7 18 | 1 33 | 4 20 | 2 12 | 19 58 | 0 27 | 16 30 | 1 44 | 0 24 | 0 40 | 1 21 | 1 39 | 26 35 | 9 54 | 3 1 | 2 39 | 17 19 | 7 51 | 5 41 |
| S 11 | 8 44 | 28 46 | 5 16 | 2 49 | 1 42 | 7 10 | 1 23 | 4 16 | 2 8 | 20 1 | 0 27 | 16 30 | 1 44 | 0 26 | 0 40 | 1 21 | 1 39 | 26 35 | 9 54 | 3 0 | 2 38 | 17 22 | 7 48 | 5 41 |
| M12 | 9 6 | 27 29 | 5 11 | 3 32 | 1 37 | 7 2 | 1 14 | 4 12 | 2 4 | 20 3 | 0 27 | 16 30 | 1 44 | 0 27 | 0 40 | 1 22 | 1 39 | 26 35 | 9 54 | 3 0 | 2 37 | 17 25 | 7 46 | 5 42 |
| T 13 | 9 28 | 24 40 | 4 50 | 4 16 | 1 32 | 6 53 | 1 6 | 4 8 | 2 0 | 20 6 | 0 27 | 16 30 | 1 44 | 0 28 | 0 41 | 1 23 | 1 39 | 26 36 | 9 55 | 3 0 | 2 35 | 17 28 | 7 44 | 5 42 |
| W14 | 9 51 | 20 39 | 4 14 | 4 59 | 1 27 | 6 44 | 0 57 | 4 5 | 1 56 | 20 9 | 0 27 | 16 30 | 1 44 | 0 30 | 0 41 | 1 24 | 1 39 | 26 36 | 9 55 | 3 1 | 2 34 | 17 30 | 7 41 | 5 43 |
| T 15 | 10 13 | 15 48 | 3 26 | 5 42 | 1 21 | 6 34 | 0 48 | 4 1 | 1 52 | 20 11 | 0 27 | 16 30 | 1 44 | 0 31 | 0 41 | 1 25 | 1 39 | 26 36 | 9 55 | 3 1 | 2 33 | 17 33 | 7 39 | 5 43 |
| F 16 | 10 34 | 10 24 | 2 30 | 6 26 | 1 15 | 6 23 | 0 40 | 3 58 | 1 49 | 20 14 | 0 26 | 16 31 | 1 44 | 0 33 | 0 41 | 1 26 | 1 39 | 26 36 | 9 56 | 3 2 | 2 32 | 17 36 | 7 37 | 5 43 |
| S 17 | 10 56 | 4 42 | 1 28 | 7 8 | 1 9 | 6 12 | 0 32 | 3 55 | 1 45 | 20 17 | 0 26 | 16 31 | 1 44 | 0 34 | 0 41 | 1 26 | 1 39 | 26 36 | 9 56 | 3 2 | 2 30 | 17 39 | 7 35 | 5 44 |
| S 18 | 11 18 | 1s 5 | 0 22 | 7 51 | 1 3 | 6 0 | 0 24 | 3 53 | 1 41 | 20 19 | 0 26 | 16 30 | 1 44 | 0 35 | 0 41 | 1 27 | 1 40 | 26 36 | 9 56 | 3 3 | 2 29 | 17 42 | 7 33 | 5 44 |
| M19 | 11 39 | 6 48 | 0s43 | 8 33 | 0 57 | 5 47 | 0 16 | 3 50 | 1 37 | 20 22 | 0 26 | 16 30 | 1 43 | 0 37 | 0 41 | 1 28 | 1 40 | 26 36 | 9 57 | 3 3 | 2 28 | 17 45 | 7 30 | 5 45 |
| T 20 | 12 0 | 12 14 | 1 46 | 9 15 | 0 50 | 5 34 | 0 9 | 3 48 | 1 33 | 20 24 | 0 26 | 16 30 | 1 43 | 0 38 | 0 41 | 1 29 | 1 40 | 26 36 | 9 57 | 3 2 | 2 27 | 17 47 | 7 28 | 5 45 |
| W21 | 12 21 | 17 13 | 2 45 | 9 57 | 0 44 | 5 20 | 0 2 | 3 46 | 1 29 | 20 27 | 0 26 | 16 30 | 1 43 | 0 39 | 0 41 | 1 30 | 1 40 | 26 37 | 9 57 | 3 1 | 2 25 | 17 50 | 7 26 | 5 46 |
| T 22 | 12 42 | 21 34 | 3 36 | 10 38 | 0 37 | 5 6 | 0n 6 | 3 44 | 1 26 | 20 29 | 0 26 | 16 30 | 1 43 | 0 41 | 0 41 | 1 30 | 1 40 | 26 37 | 9 58 | 2 59 | 2 24 | 17 53 | 7 24 | 5 46 |
| F 23 | 13 3 | 25 3 | 4 18 | 11 18 | 0 31 | 4 52 | 0 13 | 3 43 | 1 22 | 20 32 | 0 26 | 16 30 | 1 43 | 0 42 | 0 41 | 1 31 | 1 40 | 26 37 | 9 58 | 2 57 | 2 23 | 17 56 | 7 22 | 5 47 |
| S 24 | 13 23 | 27 29 | 4 49 | 11 58 | 0 24 | 4 37 | 0 19 | 3 41 | 1 18 | 20 35 | 0 25 | 16 30 | 1 43 | 0 44 | 0 41 | 1 32 | 1 40 | 26 37 | 9 58 | 2 55 | 2 22 | 17 59 | 7 20 | 5 47 |
| S 25 | 13 43 | 28 40 | 5 7 | 12 37 | 0 17 | 4 21 | 0 26 | 3 40 | 1 14 | 20 37 | 0 25 | 16 29 | 1 43 | 0 45 | 0 41 | 1 33 | 1 40 | 26 37 | 9 59 | 2 53 | 2 20 | 18 1 | 7 18 | 5 48 |
| M26 | 14 3 | 28 28 | 5 13 | 13 16 | 0 11 | 4 5 | 0 32 | 3 40 | 1 11 | 20 40 | 0 25 | 16 29 | 1 43 | 0 46 | 0 41 | 1 34 | 1 40 | 26 37 | 9 59 | 2 52 | 2 19 | 18 4 | 7 16 | 5 48 |
| T 27 | 14 23 | 26 52 | 5 3 | 13 54 | 0 4 | 3 49 | 0 39 | 3 39 | 1 7 | 20 42 | 0 25 | 16 29 | 1 43 | 0 47 | 0 41 | 1 34 | 1 40 | 26 38 | 10 0 | 2 51 | 2 18 | 18 7 | 7 14 | 5 49 |
| W28 | 14 42 | 23 53 | 4 39 | 14 32 | 0s 3 | 3 32 | 0 45 | 3 39 | 1 4 | 20 45 | 0 25 | 16 28 | 1 42 | 0 49 | 0 41 | 1 35 | 1 40 | 26 38 | 10 0 | 2 50 | 2 16 | 18 10 | 7 12 | 5 49 |
| T 29 | 15 2 | 19 38 | 4 0 | 15 9 | 0 9 | 3 14 | 0 50 | 3 39 | 1 0 | 20 47 | 0 25 | 16 28 | 1 42 | 0 50 | 0 41 | 1 36 | 1 40 | 26 38 | 10 0 | 2 50 | 2 15 | 18 13 | 7 10 | 5 50 |
| F 30 | 15 21 | 14 18 | 3 7 | 15 45 | 0 16 | 2 56 | 0 56 | 3 40 | 0 57 | 20 50 | 0 25 | 16 27 | 1 42 | 0 51 | 0 41 | 1 37 | 1 40 | 26 38 | 10 1 | 2 51 | 2 14 | 18 15 | 7 8 | 5 50 |
| S 31 | 15s39 | 8s 6 | 2s 2 | 16s20 | 0s23 | 2n38 | 1n 2 | 3n40 | 0s53 | 20s52 | 0n25 | 16s27 | 1s42 | 0s53 | 0n41 | 1s37 | 1n40 | 26n39 | 10n 1 | 2n51 | 2n13 | 18s18 | 7n 6 | 5s51 |

Julian Day Number = 2073066.5, Delta T = 27m33s
Ecliptic obliquity = 23°34'34, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'54, Lahiri = 9°24'55 Julian Calendar 1 Oct. 963 == Greg. Calendar 6 Oct. 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## NOVEMBER 963 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 58 56 | 13♏26'28 | 28♓32 | 15♏ 3 | 26♍45 | 11°R11 | 5♐20 | 20♒13 | 3♎48 | 7♎56 | 12♌48 | 7♈10 | 5♈29 | 11♏46 | 27♌ 0 | S 1 |
| M 2 | 3 2 52 | 14°27'09 | 13♈14 | 16°38 | 27°44 | 11♈ 6 | 5°33 | 20°14 | 3°51 | 7°58 | 12°48 | 7°R10 | 5°26 | 11°53 | 27° 4 | M 2 |
| T 3 | 3 6 49 | 15°27'51 | 28°17 | 18°12 | 28°44 | 11° 3 | 5°46 | 20°15 | 3°54 | 8° 0 | 12°48 | 7° 9 | 5°23 | 11°59 | 27° 8 | T 3 |
| W 4 | 3 10 45 | 16°28'34 | 13♉32 | 19°46 | 29°44 | 11° 0 | 5°59 | 20°17 | 3°57 | 8° 1 | 12°48 | 7° 5 | 5°19 | 12° 6 | 27°12 | W 4 |
| T 5 | 3 14 42 | 17°29'19 | 28°50 | 21°20 | 0♎45 | 10°57 | 6°13 | 20°19 | 4° 0 | 8° 3 | 12°49 | 7° 0 | 5°16 | 12°13 | 27°16 | T 5 |
| F 6 | 3 18 39 | 18°30'05 | 14♊ 0 | 22°54 | 1°46 | 10°56 | 6°26 | 20°20 | 4° 3 | 8° 5 | 12°49 | 6°54 | 5°13 | 12°19 | 27°19 | F 6 |
| S 7 | 3 22 35 | 19°30'53 | 28°51 | 24°28 | 2°47 | 10°D55 | 6°39 | 20°22 | 4° 6 | 8° 7 | 12°49 | 6°47 | 5°10 | 12°26 | 27°22 | S 7 |
| S 8 | 3 26 32 | 20°31'43 | 13♋17 | 26° 1 | 3°49 | 10°56 | 6°53 | 20°24 | 4° 9 | 8° 9 | 12°49 | 6°41 | 5° 7 | 12°33 | 27°26 | S 8 |
| M 9 | 3 30 28 | 21°32'33 | 27°13 | 27°35 | 4°52 | 10°57 | 7° 6 | 20°26 | 4°12 | 8°10 | 12°49 | 6°37 | 5° 4 | 12°39 | 27°29 | M 9 |
| T 10 | 3 34 25 | 22°33'26 | 10♌41 | 29° 8 | 5°54 | 10°58 | 7°19 | 20°28 | 4°15 | 8°12 | 12°R49 | 6°34 | 5° 0 | 12°46 | 27°32 | T 10 |
| W11 | 3 38 21 | 23°34'19 | 23°40 | 0♐42 | 6°58 | 11° 1 | 7°33 | 20°31 | 4°18 | 8°14 | 12°49 | 6°D33 | 4°57 | 12°53 | 27°35 | W11 |
| T 12 | 3 42 18 | 24°35'14 | 6♍17 | 2°15 | 8° 1 | 11° 4 | 7°46 | 20°33 | 4°20 | 8°16 | 12°49 | 6°34 | 4°54 | 12°59 | 27°38 | T 12 |
| F 13 | 3 46 14 | 25°36'11 | 18°34 | 3°48 | 9° 5 | 11° 8 | 8° 0 | 20°35 | 4°23 | 8°17 | 12°49 | 6°35 | 4°51 | 13° 6 | 27°41 | F 13 |
| S 14 | 3 50 11 | 26°37'08 | 0♎37 | 5°22 | 10° 9 | 11°13 | 8°13 | 20°38 | 4°26 | 8°19 | 12°49 | 6°R36 | 4°48 | 13°13 | 27°44 | S 14 |
| S 15 | 3 54 8 | 27°38'07 | 12°31 | 6°55 | 11°13 | 11°19 | 8°27 | 20°41 | 4°28 | 8°20 | 12°48 | 6°36 | 4°45 | 13°19 | 27°46 | S 15 |
| M16 | 3 58 4 | 28°39'08 | 24°20 | 8°28 | 12°18 | 11°25 | 8°41 | 20°43 | 4°31 | 8°22 | 12°48 | 6°34 | 4°41 | 13°26 | 27°49 | M16 |
| T 17 | 4 2 1 | 29°40'09 | 6♏ 8 | 10° 1 | 13°23 | 11°32 | 8°54 | 20°46 | 4°34 | 8°24 | 12°48 | 6°30 | 4°38 | 13°33 | 27°51 | T 17 |
| W18 | 4 5 57 | 0♐41'11 | 17°56 | 11°34 | 14°29 | 11°39 | 9° 8 | 20°49 | 4°36 | 8°25 | 12°48 | 6°23 | 4°35 | 13°39 | 27°53 | W18 |
| T 19 | 4 9 54 | 1°42'15 | 29°49 | 13° 7 | 15°34 | 11°48 | 9°21 | 20°52 | 4°39 | 8°27 | 12°48 | 6°14 | 4°32 | 13°46 | 27°55 | T 19 |
| F 20 | 4 13 50 | 2°43'19 | 11♐46 | 14°40 | 16°40 | 11°57 | 9°35 | 20°55 | 4°41 | 8°28 | 12°47 | 6° 3 | 4°29 | 13°53 | 27°58 | F 20 |
| S 21 | 4 17 47 | 3°44'25 | 23°49 | 16°13 | 17°46 | 12° 6 | 9°49 | 20°59 | 4°43 | 8°30 | 12°47 | 5°51 | 4°25 | 14° 0 | 27°59 | S 21 |
| S 22 | 4 21 43 | 4°45'31 | 6♑ 0 | 17°45 | 18°53 | 12°17 | 10° 2 | 21° 2 | 4°46 | 8°31 | 12°47 | 5°39 | 4°22 | 14° 6 | 28° 1 | S 22 |
| M23 | 4 25 40 | 5°46'37 | 18°20 | 19°18 | 19°59 | 12°28 | 10°16 | 21° 5 | 4°48 | 8°33 | 12°46 | 5°29 | 4°19 | 14°13 | 28° 3 | M23 |
| T 24 | 4 29 37 | 6°47'44 | 0♒51 | 20°50 | 21° 6 | 12°39 | 10°30 | 21° 9 | 4°50 | 8°34 | 12°46 | 5°21 | 4°16 | 14°20 | 28° 5 | T 24 |
| W25 | 4 33 33 | 7°48'52 | 13°34 | 22°22 | 22°13 | 12°52 | 10°43 | 21°13 | 4°53 | 8°35 | 12°45 | 5°16 | 4°13 | 14°26 | 28° 6 | W25 |
| T 26 | 4 37 30 | 8°50'00 | 26°32 | 23°53 | 23°21 | 13° 4 | 10°57 | 21°16 | 4°55 | 8°37 | 12°45 | 5°13 | 4°10 | 14°33 | 28° 7 | T 26 |
| F 27 | 4 41 26 | 9°51'08 | 9♓49 | 25°24 | 24°28 | 13°18 | 11°11 | 21°20 | 4°57 | 8°38 | 12°44 | 5°D12 | 4° 6 | 14°40 | 28° 9 | F 27 |
| S 28 | 4 45 23 | 10°52'16 | 23°27 | 26°54 | 25°36 | 13°32 | 11°25 | 21°24 | 4°59 | 8°39 | 12°44 | 5°12 | 4° 3 | 14°46 | 28°10 | S 28 |
| S 29 | 4 49 19 | 11°53'25 | 7♈28 | 28°23 | 26°44 | 13°46 | 11°38 | 21°28 | 5° 1 | 8°40 | 12°43 | 5°R13 | 4° 0 | 14°53 | 28°11 | S 29 |
| M30 | 4 53 16 | 12♐54'34 | 21♈52 | 29♐52 | 27♎52 | 14♈ 2 | 11♐52 | 21♒32 | 5♎ 3 | 8♎42 | 12♌43 | 5♈12 | 3♈57 | 15♏ 0 | 28♌12 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s58 | 1s18 | 0s47 | 16s54 | 0s29 | 2n20 | 1n 7 | 3n41 | 0s50 | 20s55 | 0n24 | 16s27 | 1s42 | 0s54 | 0n41 | 1s38 | 1n40 | 26n39 | 10n 1 | 2n52 | 2n11 | 18s21 | 7n 4 | 5s51 |
| M 2 | 16 16 | 5n46 | 0n33 | 17 28 | 0 35 | 2 1 | 1 12 | 3 43 | 0 46 | 20 57 | 0 24 | 16 26 | 1 42 | 0 55 | 0 41 | 1 39 | 1 40 | 26 39 | 10 2 | 2 52 | 2 10 | 18 24 | 7 2 | 5 52 |
| T 3 | 16 34 | 12 40 | 1 52 | 18 1 | 0 42 | 1 41 | 1 17 | 3 44 | 0 43 | 21 0 | 0 24 | 16 25 | 1 42 | 0 56 | 0 41 | 1 39 | 1 40 | 26 40 | 10 2 | 2 51 | 2 9 | 18 26 | 7 1 | 5 53 |
| W 4 | 16 52 | 18 56 | 3 5 | 18 33 | 0 48 | 1 22 | 1 22 | 3 46 | 0 40 | 21 2 | 0 24 | 16 25 | 1 42 | 0 57 | 0 41 | 1 40 | 1 40 | 26 40 | 10 2 | 2 50 | 2 8 | 18 29 | 6 59 | 5 53 |
| T 5 | 17 9 | 23 59 | 4 4 | 19 4 | 0 54 | 1 2 | 1 27 | 3 48 | 0 37 | 21 4 | 0 24 | 16 24 | 1 42 | 0 59 | 0 41 | 1 41 | 1 40 | 26 40 | 10 3 | 2 48 | 2 6 | 18 32 | 6 57 | 5 54 |
| F 6 | 17 26 | 27 20 | 4 45 | 19 34 | 1 0 | 0 41 | 1 31 | 3 50 | 0 34 | 21 7 | 0 24 | 16 23 | 1 41 | 1 0 | 0 41 | 1 42 | 1 40 | 26 40 | 10 3 | 2 45 | 2 5 | 18 35 | 6 55 | 5 54 |
| S 7 | 17 43 | 28 41 | 5 6 | 20 3 | 1 6 | 0 21 | 1 35 | 3 53 | 0 30 | 21 9 | 0 24 | 16 23 | 1 41 | 1 1 | 0 41 | 1 42 | 1 40 | 26 41 | 10 4 | 2 42 | 2 4 | 18 38 | 6 54 | 5 55 |
| S 8 | 17 59 | 28 0 | 5 7 | 20 32 | 1 12 | 0s 0 | 1 40 | 3 56 | 0 27 | 21 12 | 0 24 | 16 22 | 1 41 | 1 2 | 0 41 | 1 43 | 1 40 | 26 41 | 10 4 | 2 40 | 2 3 | 18 40 | 6 52 | 5 55 |
| M 9 | 18 15 | 25 34 | 4 50 | 20 59 | 1 17 | 0 22 | 1 44 | 3 59 | 0 25 | 21 14 | 0 24 | 16 21 | 1 41 | 1 3 | 0 41 | 1 44 | 1 40 | 26 41 | 10 4 | 2 38 | 2 1 | 18 43 | 6 51 | 5 56 |
| T 10 | 18 31 | 21 46 | 4 16 | 21 25 | 1 23 | 0 43 | 1 47 | 4 2 | 0 22 | 21 16 | 0 23 | 16 20 | 1 41 | 1 4 | 0 41 | 1 44 | 1 40 | 26 42 | 10 5 | 2 37 | 2 0 | 18 46 | 6 49 | 5 56 |
| W11 | 18 46 | 17 1 | 3 31 | 21 51 | 1 28 | 1 5 | 1 51 | 4 6 | 0 19 | 21 19 | 0 23 | 16 20 | 1 41 | 1 5 | 0 41 | 1 45 | 1 40 | 26 42 | 10 5 | 2 37 | 1 59 | 18 48 | 6 47 | 5 57 |
| T 12 | 19 1 | 11 41 | 2 36 | 22 15 | 1 33 | 1 27 | 1 55 | 4 10 | 0 16 | 21 21 | 0 23 | 16 19 | 1 41 | 1 6 | 0 41 | 1 45 | 1 40 | 26 42 | 10 5 | 2 37 | 1 57 | 18 51 | 6 46 | 5 58 |
| F 13 | 19 16 | 6 1 | 1 36 | 22 38 | 1 38 | 1 49 | 1 58 | 4 14 | 0 13 | 21 23 | 0 23 | 16 18 | 1 41 | 1 7 | 0 41 | 1 46 | 1 40 | 26 43 | 10 6 | 2 38 | 1 56 | 18 54 | 6 44 | 5 58 |
| S 14 | 19 31 | 0 15 | 0 32 | 23 0 | 1 42 | 2 11 | 2 1 | 4 18 | 0 11 | 21 25 | 0 23 | 16 17 | 1 41 | 1 9 | 0 41 | 1 47 | 1 40 | 26 43 | 10 6 | 2 38 | 1 55 | 18 57 | 6 43 | 5 59 |
| S 15 | 19 45 | 5s28 | 0s32 | 23 20 | 1 47 | 2 34 | 2 4 | 4 22 | 0 8 | 21 28 | 0 23 | 16 16 | 1 40 | 1 10 | 0 41 | 1 47 | 1 41 | 26 44 | 10 7 | 2 38 | 1 54 | 18 59 | 6 41 | 5 59 |
| M16 | 19 58 | 10 57 | 1 34 | 23 40 | 1 51 | 2 57 | 2 7 | 4 27 | 0 6 | 21 30 | 0 23 | 16 15 | 1 40 | 1 11 | 0 41 | 1 48 | 1 41 | 26 44 | 10 7 | 2 37 | 1 52 | 19 2 | 6 40 | 6 0 |
| T 17 | 20 12 | 16 1 | 2 32 | 23 58 | 1 55 | 3 19 | 2 10 | 4 32 | 0 3 | 21 32 | 0 23 | 16 14 | 1 40 | 1 12 | 0 41 | 1 48 | 1 41 | 26 44 | 10 7 | 2 36 | 1 51 | 19 5 | 6 39 | 6 1 |
| W18 | 20 25 | 20 31 | 3 23 | 24 15 | 1 58 | 3 43 | 2 12 | 4 38 | 0 1 | 21 34 | 0 23 | 16 13 | 1 40 | 1 13 | 0 41 | 1 49 | 1 41 | 26 45 | 10 8 | 2 33 | 1 50 | 19 7 | 6 37 | 6 1 |
| T 19 | 20 37 | 24 13 | 4 5 | 24 31 | 2 2 | 4 6 | 2 15 | 4 43 | 0n 2 | 21 36 | 0 23 | 16 12 | 1 40 | 1 14 | 0 41 | 1 50 | 1 41 | 26 45 | 10 8 | 2 29 | 1 49 | 19 10 | 6 36 | 6 2 |
| F 20 | 20 49 | 26 54 | 4 37 | 24 45 | 2 5 | 4 29 | 2 17 | 4 49 | 0 4 | 21 39 | 0 22 | 16 11 | 1 40 | 1 14 | 0 41 | 1 50 | 1 41 | 26 46 | 10 8 | 2 25 | 1 47 | 19 13 | 6 35 | 6 2 |
| S 21 | 21 1 | 28 23 | 4 57 | 24 58 | 2 7 | 4 52 | 2 19 | 4 55 | 0 6 | 21 41 | 0 22 | 16 10 | 1 40 | 1 15 | 0 41 | 1 51 | 1 41 | 26 46 | 10 9 | 2 20 | 1 46 | 19 15 | 6 34 | 6 3 |
| S 22 | 21 13 | 28 30 | 5 4 | 25 10 | 2 10 | 5 16 | 2 21 | 5 1 | 0 9 | 21 43 | 0 22 | 16 8 | 1 40 | 1 16 | 0 41 | 1 51 | 1 41 | 26 47 | 10 9 | 2 16 | 1 45 | 19 18 | 6 32 | 6 4 |
| M23 | 21 24 | 27 12 | 4 56 | 25 20 | 2 12 | 5 39 | 2 23 | 5 7 | 0 11 | 21 45 | 0 22 | 16 7 | 1 40 | 1 17 | 0 41 | 1 52 | 1 41 | 26 47 | 10 9 | 2 11 | 1 44 | 19 21 | 6 31 | 6 4 |
| T 24 | 21 34 | 24 33 | 4 35 | 25 28 | 2 13 | 6 3 | 2 24 | 5 14 | 0 13 | 21 47 | 0 22 | 16 6 | 1 39 | 1 18 | 0 41 | 1 52 | 1 41 | 26 47 | 10 10 | 2 8 | 1 42 | 19 24 | 6 30 | 6 5 |
| W25 | 21 44 | 20 40 | 3 59 | 25 36 | 2 15 | 6 27 | 2 26 | 5 20 | 0 15 | 21 49 | 0 22 | 16 5 | 1 39 | 1 19 | 0 41 | 1 53 | 1 41 | 26 48 | 10 10 | 2 6 | 1 41 | 19 26 | 6 29 | 6 5 |
| T 26 | 21 54 | 15 43 | 3 11 | 25 41 | 2 15 | 6 50 | 2 27 | 5 27 | 0 17 | 21 51 | 0 22 | 16 3 | 1 39 | 1 20 | 0 41 | 1 53 | 1 41 | 26 48 | 10 10 | 2 5 | 1 40 | 19 29 | 6 28 | 6 6 |
| F 27 | 22 3 | 9 57 | 2 11 | 25 45 | 2 15 | 7 14 | 2 28 | 5 34 | 0 19 | 21 53 | 0 22 | 16 2 | 1 39 | 1 21 | 0 41 | 1 54 | 1 41 | 26 49 | 10 11 | 2 5 | 1 38 | 19 31 | 6 27 | 6 6 |
| S 28 | 22 12 | 3 34 | 1 2 | 25 48 | 2 15 | 7 38 | 2 30 | 5 41 | 0 21 | 21 55 | 0 22 | 16 1 | 1 39 | 1 21 | 0 41 | 1 54 | 1 41 | 26 49 | 10 11 | 2 5 | 1 37 | 19 34 | 6 26 | 6 7 |
| S 29 | 22 21 | 3n10 | 0n12 | 25 48 | 2 14 | 8 1 | 2 31 | 5 49 | 0 23 | 21 57 | 0 22 | 15 59 | 1 39 | 1 22 | 0 42 | 1 54 | 1 41 | 26 50 | 10 11 | 2 5 | 1 36 | 19 37 | 6 25 | 6 8 |
| M30 | 22s29 | 9n55 | 1n27 | 25s47 | 2s13 | 8s25 | 2n31 | 5n56 | 0n25 | 21s59 | 0n22 | 15s58 | 1s39 | 1s23 | 0n42 | 1s55 | 1n41 | 26n50 | 10n12 | 2n 4 | 1n35 | 19s39 | 6n24 | 6s 8 |

Julian Day Number = 2073097.5, Delta T = 27m33s
Ecliptic obliquity = 23°34'34, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°17'58, Lahiri = 9°24'59 Julian Calendar 1 Nov. 963 == Greg. Calendar 6 Nov. 963


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# ASTRODIENST EPHEMERIS for the year 963
# geocentric

## DECEMBER 963 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 57 12 | 13♐55'43 | 6♉37 | 1♑19 | 29♎ 0 | 14♈17 | 12♐ 6 | 21♒36 | 5♎ 5 | 8♎43 | 12°R42 | 5°R 8 | 3♈54 | 15♏ 6 | 28♌13 | T 1 |
| W 2 | 5 1 9 | 14°56'52 | 21°38 | 2°45 | 0♏ 9 | 14°33 | 12°19 | 21°40 | 5° 7 | 8°44 | 12♌42 | 5♈ 2 | 3°51 | 15°13 | 28°13 | W 2 |
| T 3 | 5 5 6 | 15°58'02 | 6♊47 | 4° 9 | 1°17 | 14°50 | 12°33 | 21°45 | 5° 9 | 8°45 | 12°41 | 4°53 | 3°47 | 15°20 | 28°14 | T 3 |
| F 4 | 5 9 2 | 16°59'12 | 21°54 | 5°32 | 2°26 | 15° 7 | 12°47 | 21°49 | 5°10 | 8°46 | 12°40 | 4°42 | 3°44 | 15°26 | 28°14 | F 4 |
| S 5 | 5 12 59 | 18° 0'23 | 6♋49 | 6°52 | 3°35 | 15°25 | 13° 1 | 21°53 | 5°12 | 8°47 | 12°39 | 4°31 | 3°41 | 15°33 | 28°15 | S 5 |
| S 6 | 5 16 55 | 19° 1'34 | 21°22 | 8° 9 | 4°45 | 15°43 | 13°14 | 21°58 | 5°14 | 8°48 | 12°39 | 4°20 | 3°38 | 15°40 | 28°15 | S 6 |
| M 7 | 5 20 52 | 20° 2'45 | 5♌27 | 9°24 | 5°54 | 16° 1 | 13°28 | 22° 3 | 5°15 | 8°49 | 12°38 | 4°11 | 3°35 | 15°46 | 28°15 | M 7 |
| T 8 | 5 24 48 | 21° 3'56 | 19° 3 | 10°34 | 7° 3 | 16°20 | 13°42 | 22° 7 | 5°17 | 8°50 | 12°37 | 4° 5 | 3°31 | 15°53 | 28°R15 | T 8 |
| W 9 | 5 28 45 | 22° 5'08 | 2♍10 | 11°40 | 8°13 | 16°40 | 13°55 | 22°12 | 5°18 | 8°51 | 12°36 | 4° 1 | 3°28 | 16° 0 | 28°15 | W 9 |
| T 10 | 5 32 42 | 23° 6'20 | 14°50 | 12°41 | 9°23 | 17° 0 | 14° 9 | 22°17 | 5°20 | 8°52 | 12°36 | 4° 0 | 3°25 | 16° 6 | 28°15 | T 10 |
| F 11 | 5 36 38 | 24° 7'33 | 27° 9 | 13°37 | 10°33 | 17°20 | 14°23 | 22°22 | 5°21 | 8°53 | 12°35 | 4° 0 | 3°22 | 16°13 | 28°14 | F 11 |
| S 12 | 5 40 35 | 25° 8'46 | 9♎13 | 14°25 | 11°43 | 17°41 | 14°36 | 22°27 | 5°23 | 8°54 | 12°34 | 4° 0 | 3°19 | 16°20 | 28°14 | S 12 |
| S 13 | 5 44 31 | 26° 9'59 | 21° 6 | 15° 7 | 12°53 | 18° 2 | 14°50 | 22°32 | 5°24 | 8°55 | 12°33 | 3°58 | 3°16 | 16°26 | 28°13 | S 13 |
| M14 | 5 48 28 | 27°11'12 | 2♏54 | 15°39 | 14° 3 | 18°23 | 15° 4 | 22°37 | 5°25 | 8°55 | 12°32 | 3°55 | 3°12 | 16°33 | 28°13 | M14 |
| T 15 | 5 52 24 | 28°12'26 | 14°41 | 16° 3 | 15°14 | 18°45 | 15°17 | 22°42 | 5°26 | 8°56 | 12°31 | 3°50 | 3° 9 | 16°40 | 28°12 | T 15 |
| W16 | 5 56 21 | 29°13'40 | 26°32 | 16°16 | 16°25 | 19° 7 | 15°31 | 22°48 | 5°28 | 8°57 | 12°30 | 3°41 | 3° 6 | 16°47 | 28°11 | W16 |
| T 17 | 6 0 17 | 0♑14'53 | 8♐29 | 16°R19 | 17°35 | 19°30 | 15°44 | 22°53 | 5°29 | 8°58 | 12°29 | 3°29 | 3° 3 | 16°53 | 28°10 | T 17 |
| F 18 | 6 4 14 | 1°16'07 | 20°35 | 16°10 | 18°46 | 19°53 | 15°58 | 22°58 | 5°30 | 8°58 | 12°28 | 3°15 | 3° 0 | 17° 0 | 28° 9 | F 18 |
| S 19 | 6 8 11 | 2°17'21 | 2♑50 | 15°49 | 19°57 | 20°16 | 16°11 | 23° 4 | 5°31 | 8°59 | 12°27 | 3° 0 | 2°57 | 17° 7 | 28° 8 | S 19 |
| S 20 | 6 12 7 | 3°18'34 | 15°16 | 15°16 | 21° 8 | 20°39 | 16°25 | 23° 9 | 5°32 | 8°59 | 12°26 | 2°45 | 2°53 | 17°13 | 28° 6 | S 20 |
| M21 | 6 16 4 | 4°19'47 | 27°52 | 14°32 | 22°19 | 21° 3 | 16°38 | 23°15 | 5°33 | 9° 0 | 12°25 | 2°32 | 2°50 | 17°20 | 28° 5 | M21 |
| T 22 | 6 20 0 | 5°20'59 | 10♒38 | 13°38 | 23°30 | 21°28 | 16°52 | 23°21 | 5°33 | 9° 1 | 12°24 | 2°22 | 2°47 | 17°27 | 28° 3 | T 22 |
| W23 | 6 23 57 | 6°22'11 | 23°35 | 12°34 | 24°41 | 21°52 | 17° 5 | 23°26 | 5°34 | 9° 1 | 12°23 | 2°14 | 2°44 | 17°33 | 28° 2 | W23 |
| T 24 | 6 27 53 | 7°23'22 | 6♓43 | 11°23 | 25°53 | 22°17 | 17°18 | 23°32 | 5°35 | 9° 1 | 12°21 | 2°10 | 2°41 | 17°40 | 28° 0 | T 24 |
| F 25 | 6 31 50 | 8°24'32 | 20° 5 | 10° 7 | 27° 4 | 22°42 | 17°32 | 23°38 | 5°36 | 9° 2 | 12°20 | 2° 8 | 2°37 | 17°47 | 27°58 | F 25 |
| S 26 | 6 35 46 | 9°25'41 | 3♈40 | 8°49 | 28°16 | 23° 8 | 17°45 | 23°44 | 5°36 | 9° 2 | 12°19 | 2° 7 | 2°34 | 17°53 | 27°56 | S 26 |
| S 27 | 6 39 43 | 10°26'50 | 17°31 | 7°30 | 29°27 | 23°33 | 17°58 | 23°50 | 5°37 | 9° 3 | 12°18 | 2° 7 | 2°31 | 18° 0 | 27°54 | S 27 |
| M28 | 6 43 40 | 11°27'58 | 1♉39 | 6°14 | 0♐39 | 23°59 | 18°11 | 23°56 | 5°37 | 9° 3 | 12°17 | 2° 6 | 2°28 | 18° 7 | 27°52 | M28 |
| T 29 | 6 47 36 | 12°29'05 | 16° 3 | 5° 2 | 1°51 | 24°26 | 18°25 | 24° 2 | 5°38 | 9° 3 | 12°15 | 2° 3 | 2°25 | 18°13 | 27°49 | T 29 |
| W30 | 6 51 33 | 13°30'11 | 0♊40 | 3°56 | 3° 3 | 24°52 | 18°38 | 24° 8 | 5°38 | 9° 3 | 12°14 | 1°56 | 2°22 | 18°20 | 27°47 | W30 |
| T 31 | 6 55 29 | 14♑31'16 | 15♊25 | 2♑57 | 4♐14 | 25♈19 | 18♐51 | 24♒15 | 5♎38 | 9♎ 4 | 12♌13 | 1♈48 | 2♈18 | 18♏27 | 27♌44 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s36 | 16n18 | 2n39 | 25s45 | 2s11 | 8s49 | 2n32 | 6n 4 | 0n26 | 22s 1 | 0n21 | 15s57 | 1s39 | 1s24 | 0n42 | 1s55 | 1n41 | 26n51 | 10n12 | 2n 3 | 1n33 | 19s42 | 6n24 | 6s 9 |
| W 2 | 22 43 | 21 49 | 3 40 | 25 41 | 2 8 | 9 12 | 2 33 | 6 12 | 0 28 | 22 3 | 0 21 | 15 55 | 1 39 | 1 24 | 0 42 | 1 56 | 1 41 | 26 51 | 10 12 | 2 1 | 1 32 | 19 45 | 6 23 | 6 9 |
| T 3 | 22 50 | 25 56 | 4 26 | 25 35 | 2 5 | 9 36 | 2 33 | 6 20 | 0 30 | 22 5 | 0 21 | 15 54 | 1 39 | 1 25 | 0 42 | 1 56 | 1 41 | 26 52 | 10 13 | 1 57 | 1 31 | 19 47 | 6 22 | 6 10 |
| F 4 | 22 56 | 28 13 | 4 54 | 25 28 | 2 1 | 9 59 | 2 33 | 6 28 | 0 32 | 22 7 | 0 21 | 15 52 | 1 39 | 1 26 | 0 42 | 1 57 | 1 42 | 26 52 | 10 13 | 1 53 | 1 30 | 19 50 | 6 21 | 6 11 |
| S 5 | 23 2 | 28 25 | 5 1 | 25 19 | 1 55 | 10 23 | 2 34 | 6 37 | 0 33 | 22 8 | 0 21 | 15 51 | 1 38 | 1 26 | 0 42 | 1 57 | 1 42 | 26 53 | 10 13 | 1 48 | 1 28 | 19 53 | 6 21 | 6 11 |
| S 6 | 23 7 | 26 37 | 4 48 | 25 9 | 1 50 | 10 46 | 2 34 | 6 45 | 0 35 | 22 10 | 0 21 | 15 49 | 1 38 | 1 27 | 0 42 | 1 57 | 1 42 | 26 53 | 10 14 | 1 44 | 1 27 | 19 55 | 6 20 | 6 12 |
| M 7 | 23 12 | 23 11 | 4 18 | 24 57 | 1 43 | 11 9 | 2 34 | 6 54 | 0 36 | 22 12 | 0 21 | 15 47 | 1 38 | 1 28 | 0 42 | 1 58 | 1 42 | 26 54 | 10 14 | 1 40 | 1 26 | 19 58 | 6 19 | 6 12 |
| T 8 | 23 16 | 18 35 | 3 34 | 24 44 | 1 35 | 11 32 | 2 34 | 7 3 | 0 38 | 22 14 | 0 21 | 15 46 | 1 38 | 1 28 | 0 42 | 1 58 | 1 42 | 26 54 | 10 14 | 1 38 | 1 25 | 20 0 | 6 19 | 6 13 |
| W 9 | 23 20 | 13 15 | 2 40 | 24 29 | 1 26 | 11 55 | 2 33 | 7 11 | 0 39 | 22 16 | 0 21 | 15 44 | 1 38 | 1 29 | 0 42 | 1 58 | 1 42 | 26 55 | 10 15 | 1 36 | 1 23 | 20 3 | 6 18 | 6 14 |
| T 10 | 23 24 | 7 32 | 1 40 | 24 14 | 1 16 | 12 17 | 2 33 | 7 20 | 0 41 | 22 17 | 0 21 | 15 42 | 1 38 | 1 29 | 0 42 | 1 59 | 1 42 | 26 56 | 10 15 | 1 36 | 1 22 | 20 6 | 6 18 | 6 14 |
| F 11 | 23 27 | 1 41 | 0 36 | 23 57 | 1 5 | 12 40 | 2 32 | 7 29 | 0 42 | 22 19 | 0 21 | 15 41 | 1 38 | 1 30 | 0 42 | 1 59 | 1 42 | 26 56 | 10 15 | 1 36 | 1 21 | 20 8 | 6 17 | 6 15 |
| S 12 | 23 29 | 4s 6 | 0s28 | 23 40 | 0 53 | 13 2 | 2 32 | 7 39 | 0 43 | 22 21 | 0 20 | 15 39 | 1 38 | 1 30 | 0 42 | 1 59 | 1 42 | 26 57 | 10 16 | 1 36 | 1 19 | 20 11 | 6 17 | 6 15 |
| S 13 | 23 31 | 9 39 | 1 29 | 23 22 | 0 40 | 13 24 | 2 31 | 7 48 | 0 45 | 22 22 | 0 20 | 15 37 | 1 38 | 1 31 | 0 42 | 1 59 | 1 42 | 26 57 | 10 16 | 1 35 | 1 18 | 20 13 | 6 17 | 6 16 |
| M14 | 23 33 | 14 50 | 2 26 | 23 4 | 0 25 | 13 46 | 2 30 | 7 57 | 0 46 | 22 24 | 0 20 | 15 35 | 1 38 | 1 31 | 0 42 | 2 0 | 1 42 | 26 58 | 10 16 | 1 34 | 1 17 | 20 16 | 6 16 | 6 16 |
| T 15 | 23 34 | 19 28 | 3 17 | 22 46 | 0 9 | 14 7 | 2 29 | 8 7 | 0 47 | 22 25 | 0 20 | 15 34 | 1 38 | 1 32 | 0 42 | 2 0 | 1 42 | 26 58 | 10 17 | 1 32 | 1 16 | 20 18 | 6 16 | 6 17 |
| W16 | 23 34 | 23 22 | 4 0 | 22 27 | 0n 7 | 14 28 | 2 28 | 8 16 | 0 49 | 22 27 | 0 20 | 15 32 | 1 38 | 1 32 | 0 42 | 2 0 | 1 42 | 26 59 | 10 17 | 1 28 | 1 14 | 20 21 | 6 16 | 6 18 |
| T 17 | 23 35 | 26 19 | 4 32 | 22 9 | 0 25 | 14 49 | 2 27 | 8 26 | 0 50 | 22 29 | 0 20 | 15 30 | 1 37 | 1 33 | 0 42 | 2 0 | 1 42 | 27 0 | 10 17 | 1 24 | 1 13 | 20 24 | 6 16 | 6 18 |
| F 18 | 23 34 | 28 6 | 4 52 | 21 52 | 0 44 | 15 10 | 2 26 | 8 36 | 0 51 | 22 30 | 0 20 | 15 28 | 1 37 | 1 33 | 0 42 | 2 0 | 1 42 | 27 0 | 10 17 | 1 18 | 1 12 | 20 26 | 6 16 | 6 19 |
| S 19 | 23 33 | 28 32 | 4 59 | 21 36 | 1 3 | 15 30 | 2 25 | 8 46 | 0 52 | 22 32 | 0 20 | 15 26 | 1 37 | 1 33 | 0 42 | 2 1 | 1 42 | 27 1 | 10 18 | 1 12 | 1 11 | 20 29 | 6 16 | 6 19 |
| S 20 | 23 32 | 27 32 | 4 52 | 21 20 | 1 22 | 15 51 | 2 23 | 8 56 | 0 53 | 22 33 | 0 20 | 15 24 | 1 37 | 1 34 | 0 42 | 2 1 | 1 43 | 27 1 | 10 18 | 1 6 | 1 9 | 20 31 | 6 16 | 6 20 |
| M21 | 23 30 | 25 8 | 4 31 | 21 6 | 1 41 | 16 10 | 2 22 | 9 6 | 0 54 | 22 34 | 0 20 | 15 22 | 1 37 | 1 34 | 0 42 | 2 1 | 1 43 | 27 2 | 10 18 | 1 1 | 1 8 | 20 34 | 6 16 | 6 20 |
| T 22 | 23 28 | 21 27 | 3 56 | 20 53 | 2 0 | 16 30 | 2 20 | 9 16 | 0 55 | 22 36 | 0 20 | 15 20 | 1 37 | 1 34 | 0 42 | 2 1 | 1 43 | 27 2 | 10 18 | 0 57 | 1 7 | 20 36 | 6 16 | 6 21 |
| W23 | 23 25 | 16 42 | 3 8 | 20 41 | 2 18 | 16 49 | 2 18 | 9 26 | 0 56 | 22 37 | 0 20 | 15 19 | 1 37 | 1 35 | 0 42 | 2 1 | 1 43 | 27 3 | 10 19 | 0 54 | 1 6 | 20 39 | 6 16 | 6 21 |
| T 24 | 23 22 | 11 6 | 2 10 | 20 31 | 2 34 | 17 8 | 2 17 | 9 37 | 0 57 | 22 39 | 0 19 | 15 17 | 1 37 | 1 35 | 0 42 | 2 1 | 1 43 | 27 4 | 10 19 | 0 52 | 1 4 | 20 41 | 6 16 | 6 22 |
| F 25 | 23 18 | 4 55 | 1 3 | 20 23 | 2 49 | 17 26 | 2 15 | 9 47 | 0 58 | 22 40 | 0 19 | 15 15 | 1 37 | 1 35 | 0 42 | 2 2 | 1 43 | 27 4 | 10 19 | 0 51 | 1 3 | 20 44 | 6 16 | 6 22 |
| S 26 | 23 14 | 1n35 | 0n 8 | 20 15 | 3 2 | 17 44 | 2 13 | 9 57 | 0 59 | 22 41 | 0 19 | 15 12 | 1 37 | 1 35 | 0 42 | 2 2 | 1 43 | 27 5 | 10 19 | 0 51 | 1 2 | 20 46 | 6 16 | 6 23 |
| S 27 | 23 10 | 8 9 | 1 20 | 20 10 | 3 12 | 18 1 | 2 11 | 10 8 | 1 0 | 22 42 | 0 19 | 15 10 | 1 37 | 1 36 | 0 42 | 2 2 | 1 43 | 27 5 | 10 20 | 0 51 | 1 0 | 20 49 | 6 16 | 6 23 |
| M28 | 23 5 | 14 27 | 2 29 | 20 6 | 3 20 | 18 18 | 2 9 | 10 18 | 1 1 | 22 44 | 0 19 | 15 8 | 1 37 | 1 36 | 0 43 | 2 2 | 1 43 | 27 6 | 10 20 | 0 50 | 0 59 | 20 51 | 6 17 | 6 24 |
| T 29 | 22 59 | 20 5 | 3 30 | 20 4 | 3 25 | 18 35 | 2 7 | 10 29 | 1 2 | 22 45 | 0 19 | 15 6 | 1 37 | 1 36 | 0 43 | 2 2 | 1 43 | 27 7 | 10 20 | 0 49 | 0 58 | 20 54 | 6 17 | 6 24 |
| W30 | 22 53 | 24 36 | 4 18 | 20 3 | 3 28 | 18 51 | 2 4 | 10 39 | 1 3 | 22 46 | 0 19 | 15 4 | 1 37 | 1 36 | 0 43 | 2 2 | 1 43 | 27 7 | 10 20 | 0 47 | 0 57 | 20 56 | 6 18 | 6 25 |
| T 31 | 22s47 | 27n33 | 4n49 | 20s 4 | 3n29 | 19s 7 | 2n 2 | 10n50 | 1n 4 | 22s47 | 0n19 | 15s 2 | 1s37 | 1s36 | 0n43 | 2s 2 | 1n43 | 27n 8 | 10n21 | 0n43 | 0n55 | 20s59 | 6n18 | 6s25 |

Julian Day Number = 2073127.5, Delta T = 27m32s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'03, Lahiri = 9°25'03 Julian Calendar 1 Dec. 963 == Greg. Calendar 6 Dec. 963


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## JANUARY 964 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 6 59 26 | 15♑32'20 | 0♋11 | 2°R 8 | 5♐26 | 25♈46 | 19♐ 4 | 24♒21 | 5♎39 | 9♎ 4 | 12°R12 | 1°R37 | 2♈15 | 18♏34 | 27°R42 | F 1 |
| S 2 | 7 3 22 | 16°33'24 | 14°49 | 1♑27 | 6°38 | 26°13 | 19°17 | 24°27 | 5°39 | 9° 4 | 12♌10 | 1♈25 | 2°12 | 18°40 | 27♌39 | S 2 |
| S 3 | 7 7 19 | 17°34'26 | 29°12 | 0°55 | 7°51 | 26°41 | 19°30 | 24°34 | 5°39 | 9° 4 | 12° 9 | 1°13 | 2° 9 | 18°47 | 27°36 | S 3 |
| M 4 | 7 11 16 | 18°35'28 | 13♌14 | 0°33 | 9° 3 | 27° 8 | 19°43 | 24°40 | 5°39 | 9° 4 | 12° 8 | 1° 4 | 2° 6 | 18°54 | 27°34 | M 4 |
| T 5 | 7 15 12 | 19°36'29 | 26°50 | 0°19 | 10°15 | 27°36 | 19°55 | 24°46 | 5°R39 | 9°R 4 | 12° 6 | 0°57 | 2° 3 | 19° 0 | 27°31 | T 5 |
| W 6 | 7 19 9 | 20°37'29 | 10♍ 0 | 0°D14 | 11°27 | 28° 4 | 20° 8 | 24°53 | 5°39 | 9° 4 | 12° 5 | 0°52 | 1°59 | 19° 7 | 27°28 | W 6 |
| T 7 | 7 23 5 | 21°38'28 | 22°45 | 0°17 | 12°39 | 28°33 | 20°21 | 24°59 | 5°39 | 9° 4 | 12° 4 | 0°50 | 1°56 | 19°14 | 27°24 | T 7 |
| F 8 | 7 27 2 | 22°39'27 | 5♎ 9 | 0°27 | 13°52 | 29° 1 | 20°34 | 25° 6 | 5°39 | 9° 4 | 12° 2 | 0°D50 | 1°53 | 19°20 | 27°21 | F 8 |
| S 9 | 7 30 58 | 23°40'25 | 17°16 | 0°45 | 15° 4 | 29°30 | 20°46 | 25°13 | 5°39 | 9° 4 | 12° 1 | 0°51 | 1°50 | 19°27 | 27°18 | S 9 |
| S 10 | 7 34 55 | 24°41'22 | 29°11 | 1° 8 | 16°17 | 29°59 | 20°59 | 25°19 | 5°38 | 9° 4 | 11°59 | 0°R51 | 1°47 | 19°34 | 27°15 | S 10 |
| M11 | 7 38 51 | 25°42'19 | 11♏ 1 | 1°38 | 17°29 | 0♉28 | 21°12 | 25°26 | 5°38 | 9° 4 | 11°58 | 0°49 | 1°43 | 19°40 | 27°11 | M11 |
| T 12 | 7 42 48 | 26°43'14 | 22°50 | 2°12 | 18°42 | 0°57 | 21°24 | 25°33 | 5°38 | 9° 3 | 11°57 | 0°46 | 1°40 | 19°47 | 27° 8 | T 12 |
| W13 | 7 46 45 | 27°44'09 | 4♐44 | 2°52 | 19°55 | 1°27 | 21°36 | 25°40 | 5°37 | 9° 3 | 11°55 | 0°40 | 1°37 | 19°54 | 27° 4 | W13 |
| T 14 | 7 50 41 | 28°45'03 | 16°45 | 3°36 | 21° 7 | 1°56 | 21°49 | 25°46 | 5°37 | 9° 3 | 11°54 | 0°31 | 1°34 | 20° 0 | 27° 0 | T 14 |
| F 15 | 7 54 38 | 29°45'55 | 28°58 | 4°24 | 22°20 | 2°26 | 22° 1 | 25°53 | 5°36 | 9° 3 | 11°52 | 0°21 | 1°31 | 20° 7 | 26°57 | F 15 |
| S 16 | 7 58 34 | 0♒46'47 | 11♑25 | 5°16 | 23°33 | 2°56 | 22°13 | 26° 0 | 5°36 | 9° 2 | 11°51 | 0° 9 | 1°28 | 20°14 | 26°53 | S 16 |
| S 17 | 8 2 31 | 1°47'38 | 24° 5 | 6°11 | 24°45 | 3°26 | 22°25 | 26° 7 | 5°35 | 9° 2 | 11°49 | 29♓58 | 1°24 | 20°21 | 26°49 | S 17 |
| M18 | 8 6 27 | 2°48'27 | 7♒ 0 | 7° 9 | 25°58 | 3°56 | 22°38 | 26°14 | 5°34 | 9° 1 | 11°48 | 29°47 | 1°21 | 20°27 | 26°45 | M18 |
| T 19 | 8 10 24 | 3°49'14 | 20° 7 | 8° 9 | 27°11 | 4°27 | 22°50 | 26°21 | 5°34 | 9° 1 | 11°47 | 29°39 | 1°18 | 20°34 | 26°41 | T 19 |
| W20 | 8 14 20 | 4°50'01 | 3♓27 | 9°13 | 28°24 | 4°58 | 23° 2 | 26°28 | 5°33 | 9° 0 | 11°45 | 29°34 | 1°15 | 20°41 | 26°37 | W20 |
| T 21 | 8 18 17 | 5°50'45 | 16°57 | 10°19 | 29°37 | 5°28 | 23°13 | 26°35 | 5°32 | 9° 0 | 11°44 | 29°31 | 1°12 | 20°47 | 26°33 | T 21 |
| F 22 | 8 22 14 | 6°51'28 | 0♈36 | 11°27 | 0♑50 | 5°59 | 23°25 | 26°42 | 5°31 | 8°59 | 11°42 | 29°D30 | 1° 9 | 20°54 | 26°29 | F 22 |
| S 23 | 8 26 10 | 7°52'10 | 14°24 | 12°37 | 2° 3 | 6°30 | 23°37 | 26°49 | 5°30 | 8°59 | 11°41 | 29°30 | 1° 5 | 21° 1 | 26°24 | S 23 |
| S 24 | 8 30 7 | 8°52'49 | 28°20 | 13°48 | 3°16 | 7° 1 | 23°49 | 26°57 | 5°29 | 8°58 | 11°39 | 29°32 | 1° 2 | 21° 7 | 26°20 | S 24 |
| M25 | 8 34 3 | 9°53'27 | 12♉24 | 15° 2 | 4°29 | 7°33 | 24° 0 | 27° 4 | 5°28 | 8°58 | 11°38 | 29°R32 | 0°59 | 21°14 | 26°16 | M25 |
| T 26 | 8 38 0 | 10°54'03 | 26°35 | 16°17 | 5°42 | 8° 4 | 24°12 | 27°11 | 5°27 | 8°57 | 11°36 | 29°31 | 0°56 | 21°21 | 26°11 | T 26 |
| W27 | 8 41 56 | 11°54'37 | 10♊52 | 17°34 | 6°55 | 8°36 | 24°23 | 27°18 | 5°26 | 8°56 | 11°35 | 29°27 | 0°53 | 21°27 | 26° 7 | W27 |
| T 28 | 8 45 53 | 12°55'10 | 25°10 | 18°53 | 8° 8 | 9° 7 | 24°34 | 27°25 | 5°25 | 8°56 | 11°33 | 29°22 | 0°49 | 21°34 | 26° 3 | T 28 |
| F 29 | 8 49 49 | 13°55'40 | 9♋27 | 20°12 | 9°21 | 9°39 | 24°46 | 27°33 | 5°23 | 8°55 | 11°32 | 29°15 | 0°46 | 21°41 | 25°58 | F 29 |
| S 30 | 8 53 46 | 14°56'09 | 23°37 | 21°34 | 10°34 | 10°11 | 24°57 | 27°40 | 5°22 | 8°54 | 11°30 | 29° 8 | 0°43 | 21°48 | 25°54 | S 30 |
| S 31 | 8 57 43 | 15♒56'36 | 7♌36 | 22♑56 | 11♑48 | 10♉43 | 25♐ 8 | 27♒47 | 5♎21 | 8♎53 | 11♌29 | 29♓ 1 | 0♈40 | 21♏54 | 25♌49 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s40 | 28n35 | 5n 1 | 20s 6 | 3n27 | 19s22 | 2n 0 | 11n 1 | 1n 4 | 22s49 | 0n19 | 15s 0 | 1s37 | 1s36 | 0n43 | 2s 2 | 1n43 | 27n 8 | 10n21 | 0n39 | 0n54 | 21s 1 | 6n18 | 6s25 |
| S 2 | 22 33 | 27 36 | 4 53 | 20 10 | 3 24 | 19 37 | 1 57 | 11 11 | 1 5 | 22 50 | 0 19 | 14 58 | 1 37 | 1 36 | 0 43 | 2 2 | 1 43 | 27 9 | 10 21 | 0 34 | 0 53 | 21 4 | 6 19 | 6 26 |
| S 3 | 22 25 | 24 46 | 4 26 | 20 15 | 3 19 | 19 51 | 1 55 | 11 22 | 1 6 | 22 51 | 0 19 | 14 56 | 1 37 | 1 36 | 0 43 | 2 2 | 1 43 | 27 9 | 10 21 | 0 29 | 0 52 | 21 6 | 6 19 | 6 26 |
| M 4 | 22 17 | 20 31 | 3 44 | 20 22 | 3 13 | 20 5 | 1 52 | 11 33 | 1 7 | 22 52 | 0 19 | 14 53 | 1 37 | 1 36 | 0 43 | 2 2 | 1 43 | 27 10 | 10 21 | 0 26 | 0 50 | 21 9 | 6 20 | 6 27 |
| T 5 | 22 8 | 15 18 | 2 50 | 20 29 | 3 5 | 20 18 | 1 50 | 11 44 | 1 7 | 22 53 | 0 19 | 14 51 | 1 36 | 1 36 | 0 43 | 2 2 | 1 44 | 27 11 | 10 22 | 0 23 | 0 49 | 21 11 | 6 21 | 6 27 |
| W 6 | 21 59 | 9 32 | 1 48 | 20 38 | 2 57 | 20 31 | 1 47 | 11 54 | 1 8 | 22 54 | 0 19 | 14 49 | 1 36 | 1 36 | 0 43 | 2 2 | 1 44 | 27 11 | 10 22 | 0 21 | 0 48 | 21 14 | 6 21 | 6 27 |
| T 7 | 21 49 | 3 33 | 0 43 | 20 47 | 2 48 | 20 43 | 1 44 | 12 5 | 1 9 | 22 55 | 0 18 | 14 47 | 1 36 | 1 36 | 0 43 | 2 2 | 1 44 | 27 12 | 10 22 | 0 20 | 0 46 | 21 16 | 6 22 | 6 28 |
| F 8 | 21 40 | 2s24 | 0s23 | 20 56 | 2 38 | 20 55 | 1 42 | 12 16 | 1 10 | 22 56 | 0 18 | 14 44 | 1 36 | 1 36 | 0 43 | 2 2 | 1 44 | 27 12 | 10 22 | 0 20 | 0 45 | 21 19 | 6 23 | 6 28 |
| S 9 | 21 29 | 8 9 | 1 26 | 21 6 | 2 28 | 21 6 | 1 39 | 12 27 | 1 10 | 22 57 | 0 18 | 14 42 | 1 36 | 1 36 | 0 43 | 2 1 | 1 44 | 27 13 | 10 22 | 0 20 | 0 44 | 21 21 | 6 24 | 6 29 |
| S 10 | 21 19 | 13 30 | 2 25 | 21 16 | 2 18 | 21 16 | 1 36 | 12 38 | 1 11 | 22 58 | 0 18 | 14 40 | 1 36 | 1 36 | 0 43 | 2 1 | 1 44 | 27 14 | 10 23 | 0 20 | 0 43 | 21 23 | 6 24 | 6 29 |
| M11 | 21 7 | 18 20 | 3 17 | 21 27 | 2 7 | 21 26 | 1 33 | 12 49 | 1 11 | 22 59 | 0 18 | 14 38 | 1 36 | 1 36 | 0 43 | 2 1 | 1 44 | 27 14 | 10 23 | 0 20 | 0 41 | 21 26 | 6 25 | 6 29 |
| T 12 | 20 56 | 22 27 | 4 0 | 21 37 | 1 57 | 21 36 | 1 30 | 13 0 | 1 12 | 23 0 | 0 18 | 14 35 | 1 36 | 1 35 | 0 43 | 2 1 | 1 44 | 27 15 | 10 23 | 0 18 | 0 40 | 21 28 | 6 26 | 6 30 |
| W13 | 20 44 | 25 41 | 4 33 | 21 47 | 1 46 | 21 44 | 1 27 | 13 11 | 1 13 | 23 1 | 0 18 | 14 33 | 1 36 | 1 35 | 0 43 | 2 1 | 1 44 | 27 15 | 10 23 | 0 16 | 0 39 | 21 31 | 6 27 | 6 30 |
| T 14 | 20 32 | 27 48 | 4 55 | 21 56 | 1 35 | 21 52 | 1 24 | 13 21 | 1 13 | 23 1 | 0 18 | 14 31 | 1 36 | 1 35 | 0 43 | 2 1 | 1 44 | 27 16 | 10 23 | 0 12 | 0 38 | 21 33 | 6 28 | 6 30 |
| F 15 | 20 19 | 28 38 | 5 3 | 22 6 | 1 25 | 22 0 | 1 21 | 13 32 | 1 14 | 23 2 | 0 18 | 14 28 | 1 36 | 1 35 | 0 43 | 2 1 | 1 44 | 27 16 | 10 23 | 0 8 | 0 36 | 21 36 | 6 29 | 6 30 |
| S 16 | 20 6 | 28 2 | 4 58 | 22 14 | 1 14 | 22 7 | 1 18 | 13 43 | 1 14 | 23 3 | 0 18 | 14 26 | 1 36 | 1 34 | 0 43 | 2 0 | 1 44 | 27 17 | 10 24 | 0 4 | 0 35 | 21 38 | 6 30 | 6 31 |
| S 17 | 19 52 | 25 58 | 4 37 | 22 22 | 1 4 | 22 13 | 1 15 | 13 54 | 1 15 | 23 4 | 0 18 | 14 23 | 1 36 | 1 34 | 0 43 | 2 0 | 1 44 | 27 18 | 10 24 | 0s 1 | 0 34 | 21 40 | 6 31 | 6 31 |
| M18 | 19 39 | 22 32 | 4 3 | 22 30 | 0 53 | 22 19 | 1 12 | 14 5 | 1 15 | 23 5 | 0 18 | 14 21 | 1 36 | 1 34 | 0 43 | 2 0 | 1 44 | 27 18 | 10 24 | 0 5 | 0 32 | 21 43 | 6 32 | 6 31 |
| T 19 | 19 24 | 17 56 | 3 14 | 22 36 | 0 43 | 22 24 | 1 9 | 14 16 | 1 16 | 23 5 | 0 18 | 14 19 | 1 36 | 1 34 | 0 43 | 2 0 | 1 44 | 27 19 | 10 24 | 0 8 | 0 31 | 21 45 | 6 33 | 6 31 |
| W20 | 19 10 | 12 24 | 2 15 | 22 42 | 0 33 | 22 28 | 1 6 | 14 27 | 1 16 | 23 6 | 0 18 | 14 16 | 1 36 | 1 33 | 0 43 | 1 59 | 1 44 | 27 19 | 10 24 | 0 11 | 0 30 | 21 47 | 6 34 | 6 32 |
| T 21 | 18 55 | 6 12 | 1 7 | 22 47 | 0 24 | 22 32 | 1 3 | 14 37 | 1 17 | 23 7 | 0 17 | 14 14 | 1 36 | 1 33 | 0 43 | 1 59 | 1 45 | 27 20 | 10 24 | 0 12 | 0 29 | 21 50 | 6 36 | 6 32 |
| F 22 | 18 40 | 0n20 | 0n 6 | 22 51 | 0 14 | 22 35 | 1 0 | 14 48 | 1 17 | 23 7 | 0 17 | 14 11 | 1 36 | 1 32 | 0 43 | 1 59 | 1 45 | 27 20 | 10 24 | 0 12 | 0 27 | 21 52 | 6 37 | 6 32 |
| S 23 | 18 24 | 6 56 | 1 19 | 22 53 | 0 5 | 22 37 | 0 56 | 14 59 | 1 18 | 23 8 | 0 17 | 14 9 | 1 36 | 1 32 | 0 43 | 1 59 | 1 45 | 27 21 | 10 24 | 0 12 | 0 26 | 21 55 | 6 38 | 6 32 |
| S 24 | 18 8 | 13 15 | 2 29 | 22 55 | 0s 4 | 22 39 | 0 53 | 15 10 | 1 18 | 23 9 | 0 17 | 14 6 | 1 36 | 1 32 | 0 43 | 1 58 | 1 45 | 27 21 | 10 24 | 0 11 | 0 25 | 21 57 | 6 39 | 6 32 |
| M25 | 17 52 | 18 59 | 3 30 | 22 56 | 0 13 | 22 40 | 0 50 | 15 21 | 1 18 | 23 9 | 0 17 | 14 4 | 1 36 | 1 31 | 0 43 | 1 58 | 1 45 | 27 22 | 10 25 | 0 11 | 0 24 | 21 59 | 6 41 | 6 32 |
| T 26 | 17 36 | 23 42 | 4 19 | 22 56 | 0 21 | 22 40 | 0 47 | 15 31 | 1 19 | 23 10 | 0 17 | 14 1 | 1 36 | 1 31 | 0 43 | 1 58 | 1 45 | 27 22 | 10 25 | 0 12 | 0 22 | 22 2 | 6 42 | 6 33 |
| W27 | 17 19 | 27 1 | 4 52 | 22 54 | 0 29 | 22 40 | 0 44 | 15 42 | 1 19 | 23 10 | 0 17 | 13 59 | 1 36 | 1 30 | 0 44 | 1 57 | 1 45 | 27 23 | 10 25 | 0 13 | 0 21 | 22 4 | 6 43 | 6 33 |
| T 28 | 17 2 | 28 36 | 5 7 | 22 51 | 0 37 | 22 39 | 0 40 | 15 52 | 1 20 | 23 11 | 0 17 | 13 57 | 1 36 | 1 30 | 0 44 | 1 57 | 1 45 | 27 23 | 10 25 | 0 15 | 0 20 | 22 6 | 6 45 | 6 33 |
| F 29 | 16 44 | 28 16 | 5 3 | 22 47 | 0 45 | 22 38 | 0 37 | 16 3 | 1 20 | 23 11 | 0 17 | 13 54 | 1 36 | 1 29 | 0 44 | 1 57 | 1 45 | 27 24 | 10 25 | 0 18 | 0 19 | 22 9 | 6 46 | 6 33 |
| S 30 | 16 27 | 26 6 | 4 40 | 22 42 | 0 52 | 22 35 | 0 34 | 16 14 | 1 20 | 23 12 | 0 17 | 13 52 | 1 36 | 1 29 | 0 44 | 1 56 | 1 45 | 27 24 | 10 25 | 0 21 | 0 17 | 22 11 | 6 48 | 6 33 |
| S 31 | 16s 9 | 22n22 | 4n 1 | 22s35 | 0s59 | 22s32 | 0n31 | 16n24 | 1n21 | 23s12 | 0n17 | 13s49 | 1s36 | 1s28 | 0n44 | 1s56 | 1n45 | 27n25 | 10n25 | 0s24 | 0n16 | 22s13 | 6n49 | 6s33 |

Julian Day Number = 2073158.5, Delta T = 27m32s
Ecliptic obliquity = 23°34'33, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'07, Lahiri = 9°25'07 Julian Calendar 1 Jan. 964 == Greg. Calendar 6 Jan. 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## FEBRUARY 964 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 1 39 | 16♒57'01 | 21♌18 | 24♉20 | 13♉ 1 | 11♉15 | 25♐19 | 27♒54 | 5°R19 | 8°R52 | 11°R27 | 28°R54 | 0♈37 | 22♏ 1 | 25°R45 | M 1 |
| T 2 | 9 5 36 | 17°57'25 | 4♍41 | 25°44 | 14°14 | 11°48 | 25°30 | 28° 2 | 5♎18 | 8♎52 | 11♌26 | 28♓50 | 0°34 | 22° 8 | 25♌40 | T 2 |
| W 3 | 9 9 32 | 18°57'46 | 17°44 | 27°11 | 15°27 | 12°20 | 25°40 | 28° 9 | 5°17 | 8°51 | 11°24 | 28°47 | 0°30 | 22°14 | 25°35 | W 3 |
| T 4 | 9 13 29 | 19°58'06 | 0♎27 | 28°38 | 16°40 | 12°52 | 25°51 | 28°16 | 5°15 | 8°50 | 11°23 | 28°D47 | 0°27 | 22°21 | 25°31 | T 4 |
| F 5 | 9 17 25 | 20°58'25 | 12°51 | 0♒ 6 | 17°54 | 13°25 | 26° 2 | 28°24 | 5°13 | 8°49 | 11°21 | 28°48 | 0°24 | 22°28 | 25°26 | F 5 |
| S 6 | 9 21 22 | 21°58'42 | 25° 0 | 1°35 | 19° 7 | 13°58 | 26°12 | 28°31 | 5°12 | 8°48 | 11°20 | 28°49 | 0°21 | 22°34 | 25°21 | S 6 |
| S 7 | 9 25 18 | 22°58'57 | 6♏58 | 3° 6 | 20°20 | 14°30 | 26°23 | 28°38 | 5°10 | 8°47 | 11°18 | 28°51 | 0°18 | 22°41 | 25°17 | S 7 |
| M 8 | 9 29 15 | 23°59'11 | 18°50 | 4°38 | 21°34 | 15° 3 | 26°33 | 28°46 | 5° 9 | 8°46 | 11°17 | 28°R52 | 0°15 | 22°48 | 25°12 | M 8 |
| T 9 | 9 33 12 | 24°59'23 | 0♐41 | 6°10 | 22°47 | 15°36 | 26°43 | 28°53 | 5° 7 | 8°45 | 11°16 | 28°52 | 0°11 | 22°54 | 25° 7 | T 9 |
| W10 | 9 37 8 | 25°59'34 | 12°36 | 7°44 | 24° 0 | 16° 9 | 26°53 | 29° 0 | 5° 5 | 8°44 | 11°14 | 28°51 | 0° 8 | 23° 1 | 25° 3 | W10 |
| T 11 | 9 41 5 | 26°59'43 | 24°40 | 9°19 | 25°14 | 16°42 | 27° 3 | 29° 8 | 5° 3 | 8°42 | 11°13 | 28°48 | 0° 5 | 23° 8 | 24°58 | T 11 |
| F 12 | 9 45 1 | 27°59'51 | 6♑56 | 10°55 | 26°27 | 17°15 | 27°13 | 29°15 | 5° 1 | 8°41 | 11°11 | 28°44 | 0° 2 | 23°15 | 24°53 | F 12 |
| S 13 | 9 48 58 | 28°59'57 | 19°29 | 12°32 | 27°40 | 17°49 | 27°23 | 29°23 | 5° 0 | 8°40 | 11°10 | 28°39 | 29♓59 | 23°21 | 24°49 | S 13 |
| S 14 | 9 52 54 | 0♓ 0'01 | 2♒19 | 14°10 | 28°54 | 18°22 | 27°32 | 29°30 | 4°58 | 8°39 | 11° 8 | 28°34 | 29°55 | 23°28 | 24°44 | S 14 |
| M15 | 9 56 51 | 1° 0'03 | 15°28 | 15°49 | 0♒ 7 | 18°55 | 27°42 | 29°37 | 4°56 | 8°38 | 11° 7 | 28°29 | 29°52 | 23°35 | 24°39 | M15 |
| T 16 | 10 0 47 | 2° 0'03 | 28°56 | 17°29 | 1°21 | 19°29 | 27°51 | 29°45 | 4°54 | 8°37 | 11° 6 | 28°26 | 29°49 | 23°41 | 24°35 | T 16 |
| W17 | 10 4 44 | 3° 0'02 | 12♓39 | 19°11 | 2°34 | 20° 3 | 28° 1 | 29°52 | 4°52 | 8°35 | 11° 4 | 28°23 | 29°46 | 23°48 | 24°30 | W17 |
| T 18 | 10 8 41 | 3°59'58 | 26°36 | 20°53 | 3°48 | 20°36 | 28°10 | 29°59 | 4°50 | 8°34 | 11° 3 | 28°D23 | 29°43 | 23°55 | 24°25 | T 18 |
| F 19 | 10 12 37 | 4°59'52 | 10♈42 | 22°37 | 5° 1 | 21°10 | 28°19 | 0♓ 7 | 4°47 | 8°33 | 11° 2 | 28°23 | 29°40 | 24° 1 | 24°21 | F 19 |
| S 20 | 10 16 34 | 5°59'44 | 24°55 | 24°22 | 6°15 | 21°44 | 28°28 | 0°14 | 4°45 | 8°31 | 11° 0 | 28°24 | 29°36 | 24° 8 | 24°16 | S 20 |
| S 21 | 10 20 30 | 6°59'34 | 9♉10 | 26° 8 | 7°28 | 22°18 | 28°37 | 0°22 | 4°43 | 8°30 | 10°59 | 28°26 | 29°33 | 24°15 | 24°12 | S 21 |
| M22 | 10 24 27 | 7°59'21 | 23°25 | 27°55 | 8°41 | 22°52 | 28°45 | 0°29 | 4°41 | 8°29 | 10°58 | 28°27 | 29°30 | 24°22 | 24° 7 | M22 |
| T 23 | 10 28 23 | 8°59'06 | 7♊38 | 29°43 | 9°55 | 23°26 | 28°54 | 0°36 | 4°39 | 8°27 | 10°56 | 28°R27 | 29°27 | 24°28 | 24° 3 | T 23 |
| W24 | 10 32 20 | 9°58'49 | 21°45 | 1♓33 | 11° 8 | 24° 0 | 29° 2 | 0°44 | 4°37 | 8°26 | 10°55 | 28°27 | 29°24 | 24°35 | 23°58 | W24 |
| T 25 | 10 36 16 | 10°58'30 | 5♋46 | 3°24 | 12°22 | 24°34 | 29°11 | 0°51 | 4°34 | 8°25 | 10°54 | 28°26 | 29°20 | 24°42 | 23°54 | T 25 |
| F 26 | 10 40 13 | 11°58'08 | 19°38 | 5°16 | 13°35 | 25° 8 | 29°19 | 0°58 | 4°32 | 8°23 | 10°53 | 28°24 | 29°17 | 24°48 | 23°50 | F 26 |
| S 27 | 10 44 10 | 12°57'44 | 3♌20 | 7° 9 | 14°49 | 25°42 | 29°27 | 1° 6 | 4°30 | 8°22 | 10°51 | 28°22 | 29°14 | 24°55 | 23°45 | S 27 |
| S 28 | 10 48 6 | 13°57'17 | 16°50 | 9° 3 | 16° 2 | 26°16 | 29°35 | 1°13 | 4°27 | 8°20 | 10°50 | 28°20 | 29°11 | 25° 2 | 23°41 | S 28 |
| M29 | 10 52 3 | 14♓56'48 | 0♍ 6 | 10♓59 | 17♒16 | 26♉51 | 29♐43 | 1♓20 | 4♎25 | 8♎19 | 10♌49 | 28♓18 | 29♓ 8 | 25♏ 8 | 23♌37 | M29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15s51 | 17n27 | 3n 9 | 22s28 | 1s 6 | 22s29 | 0n28 | 16n34 | 1n21 | 23s13 | 0n17 | 13s46 | 1s36 | 1s28 | 0n44 | 1s56 | 1n45 | 27n25 | 10n25 | 0s26 | 0n15 | 22s16 | 6n51 | 6s33 |
| T 2 | 15 32 | 11 49 | 2 7 | 22 18 | 1 13 | 22 24 | 0 24 | 16 45 | 1 21 | 23 13 | 0 17 | 13 44 | 1 36 | 1 27 | 0 44 | 1 55 | 1 45 | 27 26 | 10 25 | 0 28 | 0 13 | 22 18 | 6 52 | 6 33 |
| W 3 | 15 13 | 5 47 | 1 0 | 22 8 | 1 19 | 22 20 | 0 21 | 16 55 | 1 22 | 23 14 | 0 17 | 13 41 | 1 36 | 1 26 | 0 44 | 1 55 | 1 45 | 27 26 | 10 25 | 0 29 | 0 12 | 22 20 | 6 54 | 6 33 |
| T 4 | 14 54 | 0s19 | 0s 9 | 21 56 | 1 25 | 22 14 | 0 18 | 17 5 | 1 22 | 23 14 | 0 17 | 13 39 | 1 36 | 1 26 | 0 44 | 1 54 | 1 45 | 27 27 | 10 25 | 0 29 | 0 11 | 22 22 | 6 55 | 6 33 |
| F 5 | 14 35 | 6 16 | 1 16 | 21 43 | 1 30 | 22 8 | 0 15 | 17 16 | 1 22 | 23 15 | 0 16 | 13 36 | 1 36 | 1 25 | 0 44 | 1 54 | 1 45 | 27 27 | 10 25 | 0 29 | 0 10 | 22 25 | 6 57 | 6 33 |
| S 6 | 14 16 | 11 52 | 2 18 | 21 28 | 1 35 | 22 1 | 0 12 | 17 26 | 1 22 | 23 15 | 0 16 | 13 34 | 1 37 | 1 24 | 0 44 | 1 54 | 1 45 | 27 28 | 10 25 | 0 28 | 0 8 | 22 27 | 6 58 | 6 33 |
| S 7 | 13 56 | 16 57 | 3 13 | 21 12 | 1 40 | 21 53 | 0 9 | 17 36 | 1 23 | 23 15 | 0 16 | 13 31 | 1 37 | 1 24 | 0 44 | 1 53 | 1 45 | 27 28 | 10 25 | 0 28 | 0 7 | 22 29 | 7 0 | 6 33 |
| M 8 | 13 36 | 21 21 | 3 59 | 20 55 | 1 45 | 21 45 | 0 5 | 17 46 | 1 23 | 23 16 | 0 16 | 13 29 | 1 37 | 1 23 | 0 44 | 1 53 | 1 46 | 27 29 | 10 25 | 0 27 | 0 6 | 22 32 | 7 1 | 6 33 |
| T 9 | 13 16 | 24 54 | 4 35 | 20 36 | 1 49 | 21 36 | 0 2 | 17 56 | 1 23 | 23 16 | 0 16 | 13 26 | 1 37 | 1 22 | 0 44 | 1 52 | 1 46 | 27 29 | 10 25 | 0 27 | 0 5 | 22 34 | 7 3 | 6 33 |
| W10 | 12 56 | 27 23 | 5 0 | 20 15 | 1 53 | 21 26 | 0s 1 | 18 6 | 1 23 | 23 16 | 0 16 | 13 24 | 1 37 | 1 22 | 0 44 | 1 52 | 1 46 | 27 29 | 10 25 | 0 28 | 0 3 | 22 36 | 7 5 | 6 33 |
| T 11 | 12 35 | 28 39 | 5 11 | 19 54 | 1 56 | 21 16 | 0 4 | 18 16 | 1 24 | 23 17 | 0 16 | 13 21 | 1 37 | 1 21 | 0 44 | 1 51 | 1 46 | 27 30 | 10 25 | 0 29 | 0 2 | 22 38 | 7 6 | 6 32 |
| F 12 | 12 14 | 28 32 | 5 9 | 19 30 | 1 59 | 21 6 | 0 7 | 18 25 | 1 24 | 23 17 | 0 16 | 13 18 | 1 37 | 1 20 | 0 44 | 1 51 | 1 46 | 27 30 | 10 25 | 0 31 | 0 1 | 22 41 | 7 8 | 6 32 |
| S 13 | 11 53 | 26 58 | 4 52 | 19 5 | 2 2 | 20 54 | 0 10 | 18 35 | 1 24 | 23 17 | 0 16 | 13 16 | 1 37 | 1 19 | 0 44 | 1 50 | 1 46 | 27 31 | 10 25 | 0 33 | 0s 1 | 22 43 | 7 10 | 6 32 |
| S 14 | 11 32 | 23 58 | 4 20 | 18 39 | 2 4 | 20 42 | 0 13 | 18 45 | 1 24 | 23 17 | 0 16 | 13 13 | 1 37 | 1 19 | 0 44 | 1 50 | 1 46 | 27 31 | 10 25 | 0 35 | 0 2 | 22 45 | 7 11 | 6 32 |
| M15 | 11 11 | 19 41 | 3 34 | 18 11 | 2 6 | 20 30 | 0 15 | 18 54 | 1 25 | 23 18 | 0 16 | 13 11 | 1 37 | 1 18 | 0 44 | 1 49 | 1 46 | 27 31 | 10 25 | 0 36 | 0 3 | 22 47 | 7 13 | 6 32 |
| T 16 | 10 49 | 14 20 | 2 35 | 17 42 | 2 8 | 20 16 | 0 18 | 19 4 | 1 25 | 23 18 | 0 16 | 13 8 | 1 37 | 1 17 | 0 44 | 1 49 | 1 46 | 27 32 | 10 25 | 0 38 | 0 4 | 22 50 | 7 15 | 6 32 |
| W17 | 10 28 | 8 10 | 1 25 | 17 11 | 2 9 | 20 3 | 0 21 | 19 13 | 1 25 | 23 18 | 0 16 | 13 6 | 1 37 | 1 16 | 0 44 | 1 48 | 1 46 | 27 32 | 10 25 | 0 39 | 0 6 | 22 52 | 7 16 | 6 31 |
| T 18 | 10 6 | 1 31 | 0 10 | 16 39 | 2 9 | 19 48 | 0 24 | 19 22 | 1 25 | 23 18 | 0 16 | 13 3 | 1 37 | 1 15 | 0 44 | 1 48 | 1 46 | 27 32 | 10 25 | 0 39 | 0 7 | 22 54 | 7 18 | 6 31 |
| F 19 | 9 44 | 5n17 | 1n 7 | 16 5 | 2 9 | 19 33 | 0 27 | 19 31 | 1 25 | 23 18 | 0 16 | 13 1 | 1 37 | 1 14 | 0 44 | 1 47 | 1 46 | 27 33 | 10 25 | 0 39 | 0 8 | 22 56 | 7 20 | 6 31 |
| S 20 | 9 22 | 11 53 | 2 21 | 15 30 | 2 9 | 19 18 | 0 29 | 19 41 | 1 25 | 23 19 | 0 15 | 12 58 | 1 37 | 1 14 | 0 44 | 1 47 | 1 46 | 27 33 | 10 25 | 0 38 | 0 9 | 22 58 | 7 22 | 6 31 |
| S 21 | 9 0 | 17 53 | 3 26 | 14 53 | 2 8 | 19 2 | 0 32 | 19 50 | 1 26 | 23 19 | 0 15 | 12 55 | 1 37 | 1 13 | 0 44 | 1 46 | 1 46 | 27 33 | 10 25 | 0 38 | 0 11 | 23 1 | 7 23 | 6 30 |
| M22 | 8 37 | 22 54 | 4 18 | 14 15 | 2 7 | 18 45 | 0 35 | 19 58 | 1 26 | 23 19 | 0 15 | 12 53 | 1 37 | 1 12 | 0 44 | 1 45 | 1 46 | 27 34 | 10 25 | 0 37 | 0 12 | 23 3 | 7 25 | 6 30 |
| T 23 | 8 15 | 26 33 | 4 55 | 13 35 | 2 5 | 18 28 | 0 37 | 20 7 | 1 26 | 23 19 | 0 15 | 12 50 | 1 37 | 1 11 | 0 44 | 1 45 | 1 46 | 27 34 | 10 25 | 0 37 | 0 13 | 23 5 | 7 27 | 6 30 |
| W24 | 7 52 | 28 32 | 5 13 | 12 54 | 2 3 | 18 10 | 0 40 | 20 16 | 1 26 | 23 19 | 0 15 | 12 48 | 1 38 | 1 10 | 0 44 | 1 44 | 1 46 | 27 34 | 10 25 | 0 37 | 0 15 | 23 7 | 7 29 | 6 30 |
| T 25 | 7 29 | 28 39 | 5 13 | 12 11 | 2 1 | 17 52 | 0 42 | 20 25 | 1 26 | 23 19 | 0 15 | 12 45 | 1 38 | 1 9 | 0 44 | 1 44 | 1 46 | 27 35 | 10 25 | 0 38 | 0 16 | 23 9 | 7 30 | 6 29 |
| F 26 | 7 7 | 26 59 | 4 54 | 11 27 | 1 57 | 17 33 | 0 45 | 20 33 | 1 26 | 23 19 | 0 15 | 12 43 | 1 38 | 1 8 | 0 44 | 1 43 | 1 46 | 27 35 | 10 25 | 0 38 | 0 17 | 23 11 | 7 32 | 6 29 |
| S 27 | 6 44 | 23 43 | 4 19 | 10 42 | 1 54 | 17 14 | 0 47 | 20 42 | 1 26 | 23 20 | 0 15 | 12 40 | 1 38 | 1 7 | 0 44 | 1 43 | 1 46 | 27 35 | 10 24 | 0 39 | 0 18 | 23 14 | 7 34 | 6 28 |
| S 28 | 6 21 | 19 12 | 3 29 | 9 55 | 1 49 | 16 54 | 0 50 | 20 50 | 1 27 | 23 20 | 0 15 | 12 38 | 1 38 | 1 6 | 0 44 | 1 42 | 1 46 | 27 36 | 10 24 | 0 40 | 0 20 | 23 16 | 7 35 | 6 28 |
| M29 | 5s58 | 13n50 | 2n30 | 9s 6 | 1s45 | 16s34 | 0s52 | 20n58 | 1n27 | 23s20 | 0n15 | 12s35 | 1s38 | 1s 5 | 0n44 | 1s41 | 1n46 | 27n36 | 10n24 | 0s41 | 0s21 | 23s18 | 7n37 | 6s28 |

Julian Day Number = 2073189.5, Delta T = 27m31s
Ecliptic obliquity = 23°34'34, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'11, Lahiri = 9°25'12 Julian Calendar 1 Feb. 964 == Greg. Calendar 6 Feb. 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## MARCH 964 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 55 59 | 15♓56'17 | 13♍ 8 | 12♓56 | 18♒29 | 27♉25 | 29♐50 | 1♓27 | 4°R23 | 8°R17 | 10°R48 | 28°R17 | 29♓ 5 | 25♏15 | 23°R33 | T 1 |
| W 2 | 10 59 56 | 16°55'44 | 25°54 | 14°53 | 19°43 | 28° 0 | 29°58 | 1°35 | 4♎20 | 8♎16 | 10♌47 | 28°D16 | 29° 1 | 25°22 | 23♌29 | W 2 |
| T 3 | 11 3 52 | 17°55'09 | 8♎26 | 16°52 | 20°56 | 28°34 | 0♑ 5 | 1°42 | 4°18 | 8°14 | 10°46 | 28♓17 | 28°58 | 25°29 | 23°25 | T 3 |
| F 4 | 11 7 49 | 18°54'32 | 20°45 | 18°52 | 22°10 | 29° 9 | 0°12 | 1°49 | 4°15 | 8°13 | 10°44 | 28°17 | 28°55 | 25°35 | 23°21 | F 4 |
| S 5 | 11 11 45 | 19°53'53 | 2♏51 | 20°53 | 23°23 | 29°43 | 0°20 | 1°56 | 4°13 | 8°11 | 10°43 | 28°18 | 28°52 | 25°42 | 23°17 | S 5 |
| S 6 | 11 15 42 | 20°53'12 | 14°49 | 22°54 | 24°37 | 0♊18 | 0°26 | 2° 3 | 4°10 | 8°10 | 10°42 | 28°19 | 28°49 | 25°49 | 23°13 | S 6 |
| M 7 | 11 19 38 | 21°52'29 | 26°42 | 24°57 | 25°50 | 0°53 | 0°33 | 2°10 | 4° 8 | 8° 8 | 10°41 | 28°20 | 28°46 | 25°55 | 23° 9 | M 7 |
| T 8 | 11 23 35 | 22°51'45 | 8♐34 | 26°59 | 27° 4 | 1°27 | 0°40 | 2°17 | 4° 5 | 8° 7 | 10°40 | 28°20 | 28°42 | 26° 2 | 23° 5 | T 8 |
| W 9 | 11 27 32 | 23°50'58 | 20°29 | 29° 2 | 28°18 | 2° 2 | 0°46 | 2°25 | 4° 3 | 8° 5 | 10°39 | 28°R20 | 28°39 | 26° 9 | 23° 2 | W 9 |
| T 10 | 11 31 28 | 24°50'10 | 2♑32 | 1♈ 5 | 29°31 | 2°37 | 0°53 | 2°32 | 4° 0 | 8° 4 | 10°38 | 28°20 | 28°36 | 26°15 | 22°58 | T 10 |
| F 11 | 11 35 25 | 25°49'20 | 14°48 | 3° 8 | 0♓45 | 3°12 | 0°59 | 2°39 | 3°58 | 8° 2 | 10°37 | 28°20 | 28°33 | 26°22 | 22°55 | F 11 |
| S 12 | 11 39 21 | 26°48'28 | 27°20 | 5°11 | 1°58 | 3°47 | 1° 5 | 2°46 | 3°55 | 8° 0 | 10°36 | 28°20 | 28°30 | 26°29 | 22°51 | S 12 |
| S 13 | 11 43 18 | 27°47'34 | 10♒13 | 7°12 | 3°12 | 4°22 | 1°11 | 2°53 | 3°53 | 7°59 | 10°35 | 28°20 | 28°26 | 26°36 | 22°48 | S 13 |
| M14 | 11 47 14 | 28°46'38 | 23°28 | 9°13 | 4°25 | 4°57 | 1°17 | 2°59 | 3°50 | 7°57 | 10°34 | 28°D20 | 28°23 | 26°42 | 22°45 | M14 |
| T 15 | 11 51 11 | 29°45'41 | 7♓ 6 | 11°12 | 5°39 | 5°32 | 1°22 | 3° 6 | 3°48 | 7°56 | 10°33 | 28°20 | 28°20 | 26°49 | 22°42 | T 15 |
| W16 | 11 55 7 | 0♈44'41 | 21° 6 | 13° 9 | 6°52 | 6° 7 | 1°27 | 3°13 | 3°45 | 7°54 | 10°33 | 28°R20 | 28°17 | 26°56 | 22°38 | W16 |
| T 17 | 11 59 4 | 1°43'39 | 5♈26 | 15° 4 | 8° 6 | 6°42 | 1°33 | 3°20 | 3°42 | 7°52 | 10°32 | 28°20 | 28°14 | 27° 2 | 22°35 | T 17 |
| F 18 | 12 3 1 | 2°42'35 | 19°59 | 16°57 | 9°20 | 7°17 | 1°38 | 3°27 | 3°40 | 7°51 | 10°31 | 28°20 | 28°11 | 27° 9 | 22°32 | F 18 |
| S 19 | 12 6 57 | 3°41'29 | 4♉40 | 18°46 | 10°33 | 7°52 | 1°43 | 3°34 | 3°37 | 7°49 | 10°30 | 28°19 | 28° 7 | 27°16 | 22°30 | S 19 |
| S 20 | 12 10 54 | 4°40'21 | 19°21 | 20°33 | 11°47 | 8°28 | 1°47 | 3°40 | 3°35 | 7°47 | 10°29 | 28°19 | 28° 4 | 27°22 | 22°27 | S 20 |
| M21 | 12 14 50 | 5°39'11 | 3♊58 | 22°16 | 13° 0 | 9° 3 | 1°52 | 3°47 | 3°32 | 7°46 | 10°29 | 28°18 | 28° 1 | 27°29 | 22°24 | M21 |
| T 22 | 12 18 47 | 6°37'59 | 18°24 | 23°54 | 14°14 | 9°38 | 1°56 | 3°54 | 3°30 | 7°44 | 10°28 | 28°17 | 27°58 | 27°36 | 22°22 | T 22 |
| W23 | 12 22 43 | 7°36'44 | 2♋36 | 25°29 | 15°27 | 10°14 | 2° 1 | 4° 0 | 3°27 | 7°42 | 10°27 | 28°D17 | 27°55 | 27°43 | 22°19 | W23 |
| T 24 | 12 26 40 | 8°35'26 | 16°32 | 26°59 | 16°41 | 10°49 | 2° 5 | 4° 7 | 3°24 | 7°41 | 10°27 | 28°17 | 27°52 | 27°49 | 22°17 | T 24 |
| F 25 | 12 30 36 | 9°34'07 | 0♌11 | 28°25 | 17°54 | 11°24 | 2° 8 | 4°13 | 3°22 | 7°39 | 10°26 | 28°18 | 27°48 | 27°56 | 22°15 | F 25 |
| S 26 | 12 34 33 | 10°32'45 | 13°33 | 29°46 | 19° 8 | 12° 0 | 2°12 | 4°20 | 3°19 | 7°37 | 10°25 | 28°18 | 27°45 | 28° 3 | 22°12 | S 26 |
| S 27 | 12 38 30 | 11°31'21 | 26°40 | 1♉ 1 | 20°21 | 12°35 | 2°16 | 4°26 | 3°17 | 7°36 | 10°25 | 28°20 | 27°42 | 28° 9 | 22°10 | S 27 |
| M28 | 12 42 26 | 12°29'54 | 9♍32 | 2°12 | 21°35 | 13°11 | 2°19 | 4°32 | 3°14 | 7°34 | 10°24 | 28°21 | 27°39 | 28°16 | 22° 8 | M28 |
| T 29 | 12 46 23 | 13°28'26 | 22°12 | 3°17 | 22°49 | 13°46 | 2°22 | 4°39 | 3°12 | 7°33 | 10°24 | 28°R21 | 27°36 | 28°23 | 22° 6 | T 29 |
| W30 | 12 50 19 | 14°26'55 | 4♎40 | 4°17 | 24° 2 | 14°22 | 2°25 | 4°45 | 3° 9 | 7°31 | 10°23 | 28°21 | 27°32 | 28°29 | 22° 5 | W30 |
| T 31 | 12 54 16 | 15♈25'22 | 16♎58 | 5♉12 | 25♓16 | 14♊57 | 2♑28 | 4♓51 | 3♎ 7 | 7♎29 | 10♌23 | 28♓20 | 27♓29 | 28♏36 | 22♌ 3 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s35 | 7n56 | 1n23 | 8s16 | 1s39 | 16s14 | 0s54 | 21n 6 | 1n27 | 23s20 | 0n15 | 12s33 | 1s38 | 1s 4 | 0n44 | 1s41 | 1n46 | 27n36 | 10n24 | 0s41 | 0s22 | 23s20 | 7n39 | 6s27 |
| W 2 | 5 11 | 1 50 | 0 13 | 7 25 | 1 33 | 15 53 | 0 56 | 21 14 | 1 27 | 23 20 | 0 15 | 12 30 | 1 38 | 1 3 | 0 44 | 1 40 | 1 46 | 27 36 | 10 24 | 0 41 | 0 23 | 23 22 | 7 41 | 6 27 |
| T 3 | 4 48 | 4s13 | 0s56 | 6 33 | 1 27 | 15 31 | 0 58 | 21 22 | 1 27 | 23 20 | 0 15 | 12 28 | 1 38 | 1 2 | 0 44 | 1 39 | 1 46 | 27 36 | 10 24 | 0 41 | 0 25 | 23 24 | 7 42 | 6 26 |
| F 4 | 4 25 | 10 1 | 2 1 | 5 39 | 1 20 | 15 9 | 1 0 | 21 30 | 1 27 | 23 20 | 0 15 | 12 25 | 1 38 | 1 1 | 0 44 | 1 39 | 1 46 | 27 37 | 10 24 | 0 41 | 0 26 | 23 26 | 7 44 | 6 26 |
| S 5 | 4 1 | 15 21 | 3 0 | 4 45 | 1 13 | 14 47 | 1 2 | 21 37 | 1 27 | 23 20 | 0 14 | 12 23 | 1 38 | 1 0 | 0 44 | 1 38 | 1 46 | 27 37 | 10 24 | 0 41 | 0 27 | 23 29 | 7 46 | 6 26 |
| S 6 | 3 38 | 20 2 | 3 50 | 3 49 | 1 4 | 14 24 | 1 4 | 21 45 | 1 27 | 23 20 | 0 14 | 12 20 | 1 39 | 0 59 | 0 44 | 1 38 | 1 47 | 27 37 | 10 24 | 0 40 | 0 29 | 23 31 | 7 47 | 6 25 |
| M 7 | 3 14 | 23 54 | 4 30 | 2 52 | 0 56 | 14 1 | 1 6 | 21 52 | 1 27 | 23 20 | 0 14 | 12 18 | 1 39 | 0 58 | 0 44 | 1 37 | 1 47 | 27 37 | 10 23 | 0 40 | 0 30 | 23 33 | 7 49 | 6 25 |
| T 8 | 2 51 | 26 46 | 4 58 | 1 55 | 0 47 | 13 37 | 1 8 | 22 0 | 1 27 | 23 20 | 0 14 | 12 15 | 1 39 | 0 57 | 0 44 | 1 36 | 1 47 | 27 37 | 10 23 | 0 40 | 0 31 | 23 35 | 7 51 | 6 24 |
| W 9 | 2 27 | 28 27 | 5 14 | 0 57 | 0 37 | 13 14 | 1 10 | 22 7 | 1 27 | 23 20 | 0 14 | 12 13 | 1 39 | 0 56 | 0 44 | 1 36 | 1 47 | 27 38 | 10 23 | 0 40 | 0 32 | 23 37 | 7 52 | 6 24 |
| T 10 | 2 4 | 28 49 | 5 16 | 0n 1 | 0 27 | 12 49 | 1 12 | 22 14 | 1 27 | 23 20 | 0 14 | 12 10 | 1 39 | 0 55 | 0 44 | 1 35 | 1 47 | 27 38 | 10 23 | 0 40 | 0 34 | 23 39 | 7 54 | 6 23 |
| F 11 | 1 40 | 27 47 | 5 4 | 1 0 | 0 17 | 12 25 | 1 13 | 22 21 | 1 27 | 23 20 | 0 14 | 12 8 | 1 39 | 0 54 | 0 44 | 1 34 | 1 47 | 27 38 | 10 23 | 0 40 | 0 35 | 23 41 | 7 56 | 6 23 |
| S 12 | 1 17 | 25 21 | 4 37 | 1 59 | 0 6 | 12 0 | 1 15 | 22 27 | 1 27 | 23 20 | 0 14 | 12 5 | 1 39 | 0 53 | 0 44 | 1 34 | 1 47 | 27 38 | 10 23 | 0 40 | 0 36 | 23 43 | 7 57 | 6 22 |
| S 13 | 0 53 | 21 34 | 3 56 | 2 57 | 0n 5 | 11 34 | 1 16 | 22 34 | 1 27 | 23 20 | 0 14 | 12 3 | 1 39 | 0 52 | 0 44 | 1 33 | 1 47 | 27 38 | 10 23 | 0 40 | 0 37 | 23 45 | 7 59 | 6 21 |
| M14 | 0 29 | 16 38 | 3 2 | 3 55 | 0 16 | 11 9 | 1 18 | 22 41 | 1 27 | 23 20 | 0 14 | 12 1 | 1 39 | 0 51 | 0 44 | 1 32 | 1 47 | 27 38 | 10 23 | 0 40 | 0 39 | 23 47 | 8 0 | 6 21 |
| T 15 | 0 6 | 10 44 | 1 55 | 4 53 | 0 28 | 10 43 | 1 19 | 22 47 | 1 28 | 23 20 | 0 14 | 11 58 | 1 40 | 0 50 | 0 44 | 1 32 | 1 47 | 27 38 | 10 22 | 0 40 | 0 40 | 23 49 | 8 2 | 6 20 |
| W16 | 0n18 | 4 9 | 0 40 | 5 50 | 0 40 | 10 17 | 1 20 | 22 53 | 1 28 | 23 20 | 0 14 | 11 56 | 1 40 | 0 49 | 0 44 | 1 31 | 1 47 | 27 39 | 10 22 | 0 40 | 0 41 | 23 51 | 8 3 | 6 20 |
| T 17 | 0 41 | 2n46 | 0n39 | 6 45 | 0 51 | 9 50 | 1 22 | 22 59 | 1 28 | 23 20 | 0 14 | 11 53 | 1 40 | 0 48 | 0 44 | 1 30 | 1 47 | 27 39 | 10 22 | 0 40 | 0 42 | 23 53 | 8 5 | 6 19 |
| F 18 | 1 5 | 9 40 | 1 57 | 7 40 | 1 3 | 9 24 | 1 23 | 23 5 | 1 28 | 23 20 | 0 14 | 11 51 | 1 40 | 0 47 | 0 44 | 1 30 | 1 47 | 27 39 | 10 22 | 0 40 | 0 44 | 23 55 | 8 7 | 6 19 |
| S 19 | 1 29 | 16 6 | 3 8 | 8 32 | 1 14 | 8 57 | 1 24 | 23 11 | 1 28 | 23 20 | 0 13 | 11 49 | 1 40 | 0 46 | 0 44 | 1 29 | 1 47 | 27 39 | 10 22 | 0 40 | 0 45 | 23 57 | 8 8 | 6 18 |
| S 20 | 1 52 | 21 37 | 4 7 | 9 23 | 1 26 | 8 29 | 1 25 | 23 17 | 1 28 | 23 20 | 0 13 | 11 46 | 1 40 | 0 45 | 0 44 | 1 28 | 1 47 | 27 39 | 10 22 | 0 41 | 0 46 | 24 0 | 8 9 | 6 17 |
| M21 | 2 15 | 25 47 | 4 49 | 10 12 | 1 37 | 8 2 | 1 26 | 23 22 | 1 28 | 23 20 | 0 13 | 11 44 | 1 40 | 0 44 | 0 44 | 1 28 | 1 47 | 27 39 | 10 21 | 0 41 | 0 48 | 24 2 | 8 11 | 6 17 |
| T 22 | 2 39 | 28 15 | 5 12 | 10 59 | 1 47 | 7 34 | 1 27 | 23 28 | 1 28 | 23 20 | 0 13 | 11 42 | 1 40 | 0 43 | 0 44 | 1 27 | 1 47 | 27 39 | 10 21 | 0 41 | 0 49 | 24 4 | 8 12 | 6 16 |
| W23 | 3 2 | 28 49 | 5 16 | 11 43 | 1 57 | 7 7 | 1 28 | 23 33 | 1 28 | 23 21 | 0 13 | 11 39 | 1 41 | 0 42 | 0 44 | 1 26 | 1 47 | 27 39 | 10 21 | 0 41 | 0 50 | 24 6 | 8 14 | 6 15 |
| T 24 | 3 26 | 27 31 | 5 1 | 12 25 | 2 7 | 6 38 | 1 28 | 23 38 | 1 28 | 23 21 | 0 13 | 11 37 | 1 41 | 0 41 | 0 44 | 1 26 | 1 47 | 27 39 | 10 21 | 0 41 | 0 51 | 24 8 | 8 15 | 6 15 |
| F 25 | 3 49 | 24 36 | 4 29 | 13 5 | 2 15 | 6 10 | 1 29 | 23 43 | 1 28 | 23 21 | 0 13 | 11 35 | 1 41 | 0 40 | 0 44 | 1 25 | 1 47 | 27 39 | 10 21 | 0 41 | 0 53 | 24 10 | 8 16 | 6 14 |
| S 26 | 4 12 | 20 25 | 3 43 | 13 41 | 2 24 | 5 42 | 1 30 | 23 48 | 1 27 | 23 21 | 0 13 | 11 33 | 1 41 | 0 39 | 0 44 | 1 25 | 1 47 | 27 39 | 10 20 | 0 41 | 0 54 | 24 11 | 8 18 | 6 13 |
| S 27 | 4 35 | 15 18 | 2 46 | 14 15 | 2 31 | 5 13 | 1 30 | 23 53 | 1 27 | 23 21 | 0 13 | 11 30 | 1 41 | 0 38 | 0 44 | 1 24 | 1 47 | 27 39 | 10 20 | 0 40 | 0 55 | 24 13 | 8 19 | 6 13 |
| M28 | 4 58 | 9 37 | 1 42 | 14 46 | 2 38 | 4 45 | 1 31 | 23 57 | 1 27 | 23 21 | 0 13 | 11 28 | 1 41 | 0 37 | 0 44 | 1 23 | 1 47 | 27 39 | 10 20 | 0 40 | 0 56 | 24 15 | 8 20 | 6 12 |
| T 29 | 5 21 | 3 38 | 0 34 | 15 14 | 2 43 | 4 16 | 1 31 | 24 2 | 1 27 | 23 21 | 0 13 | 11 26 | 1 41 | 0 36 | 0 44 | 1 23 | 1 47 | 27 39 | 10 20 | 0 39 | 0 58 | 24 17 | 8 22 | 6 11 |
| W30 | 5 44 | 2s24 | 0s35 | 15 39 | 2 48 | 3 47 | 1 31 | 24 6 | 1 27 | 23 21 | 0 13 | 11 24 | 1 42 | 0 35 | 0 44 | 1 22 | 1 47 | 27 39 | 10 20 | 0 39 | 0 59 | 24 19 | 8 23 | 6 11 |
| T 31 | 6n 6 | 8s15 | 1s41 | 16n 2 | 2n52 | 3s18 | 1s32 | 24n10 | 1n27 | 23s21 | 0n12 | 11s22 | 1s42 | 0s34 | 0n44 | 1s21 | 1n47 | 27n39 | 10n19 | 0s40 | 1s 0 | 24s21 | 8n24 | 6s10 |

Julian Day Number = 2073218.5, Delta T = 27m31s
Ecliptic obliquity = 23°34'34, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'15, Lahiri = 9°25'16 Julian Calendar 1 March 964 == Greg. Calendar 6 March 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## APRIL 964 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 58 12 | 16♈23'48 | 29♎ 6 | 6♉ 1 | 26♓29 | 15♊33 | 2♑31 | 4♓57 | 3°R 4 | 7°R28 | 10°R22 | 28°R19 | 27♓26 | 28♏43 | 22°R 1 | F 1 |
| S 2 | 13 2 9 | 17°22'11 | 11♏ 7 | 6°44 | 27°43 | 16° 9 | 2°33 | 5° 4 | 3♎ 2 | 7♎26 | 10♌22 | 28♓16 | 27°23 | 28°50 | 22♌ 0 | S 2 |
| S 3 | 13 6 5 | 18°20'33 | 23° 3 | 7°21 | 28°56 | 16°44 | 2°35 | 5°10 | 2°59 | 7°24 | 10°21 | 28°13 | 27°20 | 28°56 | 21°58 | S 3 |
| M 4 | 13 10 2 | 19°18'53 | 4♐55 | 7°53 | 0♈10 | 17°20 | 2°37 | 5°16 | 2°57 | 7°23 | 10°21 | 28°10 | 27°17 | 29° 3 | 21°57 | M 4 |
| T 5 | 13 13 59 | 20°17'12 | 16°47 | 8°19 | 1°23 | 17°56 | 2°39 | 5°22 | 2°54 | 7°21 | 10°21 | 28° 6 | 27°13 | 29°10 | 21°56 | T 5 |
| W 6 | 13 17 55 | 21°15'29 | 28°42 | 8°40 | 2°37 | 18°31 | 2°41 | 5°28 | 2°52 | 7°20 | 10°20 | 28° 4 | 27°10 | 29°16 | 21°55 | W 6 |
| T 7 | 13 21 52 | 22°13'44 | 10♑44 | 8°54 | 3°50 | 19° 7 | 2°43 | 5°33 | 2°50 | 7°18 | 10°20 | 28° 2 | 27° 7 | 29°23 | 21°54 | T 7 |
| F 8 | 13 25 48 | 23°11'58 | 22°57 | 9° 3 | 5° 4 | 19°43 | 2°44 | 5°39 | 2°47 | 7°17 | 10°20 | 28°D 2 | 27° 4 | 29°30 | 21°53 | F 8 |
| S 9 | 13 29 45 | 24°10'10 | 5♒26 | 9°R 7 | 6°17 | 20°19 | 2°45 | 5°45 | 2°45 | 7°15 | 10°20 | 28° 2 | 27° 1 | 29°37 | 21°53 | S 9 |
| S 10 | 13 33 41 | 25° 8'21 | 18°15 | 9° 5 | 7°31 | 20°55 | 2°46 | 5°51 | 2°43 | 7°13 | 10°19 | 28° 3 | 26°58 | 29°43 | 21°52 | S 10 |
| M11 | 13 37 38 | 26° 6'30 | 1♓27 | 8°58 | 8°44 | 21°30 | 2°47 | 5°56 | 2°40 | 7°12 | 10°19 | 28° 5 | 26°54 | 29°50 | 21°51 | M11 |
| T 12 | 13 41 34 | 27° 4'37 | 15° 6 | 8°46 | 9°58 | 22° 6 | 2°47 | 6° 2 | 2°38 | 7°10 | 10°19 | 28° 6 | 26°51 | 29°57 | 21°51 | T 12 |
| W13 | 13 45 31 | 28° 2'43 | 29°11 | 8°29 | 11°11 | 22°42 | 2°48 | 6° 7 | 2°36 | 7° 9 | 10°19 | 28°R 7 | 26°48 | 0♗ 3 | 21°51 | W13 |
| T 14 | 13 49 28 | 29° 0'48 | 13♈41 | 8° 9 | 12°25 | 23°18 | 2°48 | 6°13 | 2°33 | 7° 7 | 10°19 | 28° 6 | 26°45 | 0°10 | 21°50 | T 14 |
| F 15 | 13 53 24 | 29°58'51 | 28°31 | 7°44 | 13°38 | 23°54 | 2°R48 | 6°18 | 2°31 | 7° 6 | 10°19 | 28° 4 | 26°42 | 0°17 | 21°D50 | F 15 |
| S 16 | 13 57 21 | 0♉56'52 | 13♉34 | 7°16 | 14°52 | 24°30 | 2°48 | 6°24 | 2°29 | 7° 4 | 10°19 | 28° 0 | 26°38 | 0°24 | 21°50 | S 16 |
| S 17 | 14 1 17 | 1°54'51 | 28°39 | 6°45 | 16° 5 | 25° 6 | 2°48 | 6°29 | 2°27 | 7° 3 | 10°D19 | 27°55 | 26°35 | 0°30 | 21°51 | S 17 |
| M18 | 14 5 14 | 2°52'49 | 13♊39 | 6°12 | 17°19 | 25°42 | 2°47 | 6°34 | 2°25 | 7° 1 | 10°19 | 27°50 | 26°32 | 0°37 | 21°51 | M18 |
| T 19 | 14 9 10 | 3°50'45 | 28°24 | 5°37 | 18°33 | 26°18 | 2°46 | 6°39 | 2°23 | 7° 0 | 10°19 | 27°46 | 26°29 | 0°44 | 21°51 | T 19 |
| W20 | 14 13 7 | 4°48'40 | 12♋49 | 5° 1 | 19°46 | 26°54 | 2°45 | 6°44 | 2°21 | 6°59 | 10°19 | 27°42 | 26°26 | 0°50 | 21°52 | W20 |
| T 21 | 14 17 3 | 5°46'32 | 26°50 | 4°25 | 21° 0 | 27°30 | 2°44 | 6°49 | 2°19 | 6°57 | 10°19 | 27°41 | 26°23 | 0°57 | 21°52 | T 21 |
| F 22 | 14 21 0 | 6°44'23 | 10♌27 | 3°49 | 22°13 | 28° 7 | 2°43 | 6°54 | 2°17 | 6°56 | 10°19 | 27°D40 | 26°19 | 1° 4 | 21°53 | F 22 |
| S 23 | 14 24 57 | 7°42'11 | 23°42 | 3°14 | 23°27 | 28°43 | 2°41 | 6°59 | 2°15 | 6°54 | 10°19 | 27°41 | 26°16 | 1°10 | 21°54 | S 23 |
| S 24 | 14 28 53 | 8°39'58 | 6♍36 | 2°40 | 24°40 | 29°19 | 2°40 | 7° 4 | 2°13 | 6°53 | 10°20 | 27°43 | 26°13 | 1°17 | 21°55 | S 24 |
| M25 | 14 32 50 | 9°37'43 | 19°13 | 2° 8 | 25°54 | 29°55 | 2°38 | 7° 8 | 2°11 | 6°52 | 10°20 | 27°44 | 26°10 | 1°24 | 21°56 | M25 |
| T 26 | 14 36 46 | 10°35'26 | 1♎36 | 1°39 | 27° 7 | 0♋31 | 2°36 | 7°13 | 2° 9 | 6°50 | 10°20 | 27°R44 | 26° 7 | 1°31 | 21°57 | T 26 |
| W27 | 14 40 43 | 11°33'08 | 13°49 | 1°13 | 28°20 | 1° 7 | 2°34 | 7°17 | 2° 7 | 6°49 | 10°20 | 27°43 | 26° 3 | 1°37 | 21°58 | W27 |
| T 28 | 14 44 39 | 12°30'49 | 25°54 | 0°50 | 29°34 | 1°44 | 2°31 | 7°22 | 2° 6 | 6°48 | 10°21 | 27°39 | 26° 0 | 1°44 | 22° 0 | T 28 |
| F 29 | 14 48 36 | 13°28'27 | 7♏54 | 0°31 | 0♉47 | 2°20 | 2°29 | 7°26 | 2° 4 | 6°47 | 10°21 | 27°34 | 25°57 | 1°51 | 22° 1 | F 29 |
| S 30 | 14 52 32 | 14♉26'05 | 19♏49 | 0♉16 | 2♉ 1 | 2♋56 | 2♑26 | 7♓31 | 2♎ 2 | 6♎45 | 10♌21 | 27♓27 | 25♓54 | 1♐57 | 22♌ 3 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n29 | 13s44 | 2s42 | 16n21 | 2n55 | 2s49 | 1s32 | 24n14 | 1n27 | 23s21 | 0n12 | 11s20 | 1s42 | 0s33 | 0n44 | 1s21 | 1n47 | 27n39 | 10n19 | 0s41 | 1s 2 | 24s23 | 8n25 | 6s 9 |
| S 2 | 6 51 | 18 38 | 3 34 | 16 37 | 2 57 | 2 19 | 1 32 | 24 18 | 1 27 | 23 21 | 0 12 | 11 17 | 1 42 | 0 32 | 0 44 | 1 20 | 1 47 | 27 39 | 10 19 | 0 42 | 1 3 | 24 25 | 8 26 | 6 9 |
| S 3 | 7 14 | 22 47 | 4 17 | 16 50 | 2 57 | 1 50 | 1 32 | 24 21 | 1 27 | 23 21 | 0 12 | 11 15 | 1 42 | 0 31 | 0 44 | 1 19 | 1 47 | 27 39 | 10 19 | 0 43 | 1 4 | 24 27 | 8 27 | 6 8 |
| M 4 | 7 36 | 25 58 | 4 49 | 17 0 | 2 57 | 1 21 | 1 32 | 24 25 | 1 27 | 23 21 | 0 12 | 11 13 | 1 42 | 0 30 | 0 44 | 1 19 | 1 47 | 27 38 | 10 19 | 0 44 | 1 5 | 24 29 | 8 29 | 6 7 |
| T 5 | 7 58 | 28 1 | 5 8 | 17 7 | 2 55 | 0 51 | 1 32 | 24 28 | 1 27 | 23 21 | 0 12 | 11 11 | 1 43 | 0 29 | 0 44 | 1 18 | 1 47 | 27 38 | 10 18 | 0 45 | 1 7 | 24 31 | 8 30 | 6 6 |
| W 6 | 8 20 | 28 48 | 5 14 | 17 11 | 2 52 | 0 22 | 1 32 | 24 31 | 1 27 | 23 21 | 0 12 | 11 9 | 1 43 | 0 28 | 0 44 | 1 17 | 1 47 | 27 38 | 10 18 | 0 46 | 1 8 | 24 33 | 8 31 | 6 6 |
| T 7 | 8 42 | 28 14 | 5 7 | 17 11 | 2 48 | 0n 8 | 1 32 | 24 34 | 1 27 | 23 21 | 0 12 | 11 7 | 1 43 | 0 27 | 0 44 | 1 17 | 1 47 | 27 38 | 10 18 | 0 47 | 1 9 | 24 35 | 8 32 | 6 5 |
| F 8 | 9 4 | 26 18 | 4 45 | 17 9 | 2 42 | 0 37 | 1 31 | 24 37 | 1 27 | 23 21 | 0 12 | 11 5 | 1 43 | 0 26 | 0 44 | 1 16 | 1 47 | 27 38 | 10 18 | 0 47 | 1 10 | 24 37 | 8 33 | 6 4 |
| S 9 | 9 26 | 23 3 | 4 10 | 17 4 | 2 35 | 1 7 | 1 31 | 24 40 | 1 27 | 23 21 | 0 12 | 11 3 | 1 43 | 0 26 | 0 44 | 1 16 | 1 47 | 27 38 | 10 18 | 0 47 | 1 12 | 24 39 | 8 34 | 6 4 |
| S 10 | 9 47 | 18 38 | 3 21 | 16 56 | 2 27 | 1 37 | 1 31 | 24 42 | 1 27 | 23 21 | 0 12 | 11 1 | 1 43 | 0 25 | 0 44 | 1 15 | 1 47 | 27 38 | 10 17 | 0 47 | 1 13 | 24 40 | 8 34 | 6 3 |
| M11 | 10 8 | 13 13 | 2 21 | 16 45 | 2 18 | 2 6 | 1 30 | 24 45 | 1 27 | 23 21 | 0 11 | 10 59 | 1 44 | 0 24 | 0 44 | 1 14 | 1 47 | 27 38 | 10 17 | 0 46 | 1 14 | 24 42 | 8 35 | 6 2 |
| T 12 | 10 29 | 6 59 | 1 11 | 16 31 | 2 8 | 2 36 | 1 30 | 24 47 | 1 26 | 23 21 | 0 11 | 10 57 | 1 44 | 0 23 | 0 44 | 1 14 | 1 47 | 27 37 | 10 17 | 0 46 | 1 16 | 24 44 | 8 36 | 6 1 |
| W13 | 10 50 | 0 14 | 0n 6 | 16 14 | 1 56 | 3 5 | 1 29 | 24 49 | 1 26 | 23 21 | 0 11 | 10 56 | 1 44 | 0 22 | 0 44 | 1 13 | 1 47 | 27 37 | 10 17 | 0 45 | 1 17 | 24 46 | 8 37 | 6 0 |
| T 14 | 11 11 | 6n43 | 1 24 | 15 56 | 1 43 | 3 35 | 1 28 | 24 51 | 1 26 | 23 22 | 0 11 | 10 54 | 1 44 | 0 21 | 0 44 | 1 13 | 1 47 | 27 37 | 10 16 | 0 46 | 1 18 | 24 48 | 8 38 | 6 0 |
| F 15 | 11 32 | 13 28 | 2 39 | 15 34 | 1 29 | 4 4 | 1 28 | 24 52 | 1 26 | 23 22 | 0 11 | 10 52 | 1 44 | 0 20 | 0 44 | 1 12 | 1 47 | 27 37 | 10 16 | 0 47 | 1 19 | 24 50 | 8 38 | 5 59 |
| S 16 | 11 52 | 19 32 | 3 43 | 15 11 | 1 15 | 4 33 | 1 27 | 24 54 | 1 26 | 23 22 | 0 11 | 10 50 | 1 45 | 0 19 | 0 44 | 1 12 | 1 47 | 27 37 | 10 16 | 0 48 | 1 21 | 24 52 | 8 39 | 5 58 |
| S 17 | 12 12 | 24 23 | 4 32 | 14 46 | 0 59 | 5 2 | 1 26 | 24 55 | 1 26 | 23 22 | 0 11 | 10 48 | 1 45 | 0 19 | 0 44 | 1 11 | 1 47 | 27 36 | 10 16 | 0 50 | 1 22 | 24 53 | 8 40 | 5 57 |
| M18 | 12 32 | 27 33 | 5 2 | 14 20 | 0 43 | 5 32 | 1 25 | 24 56 | 1 26 | 23 22 | 0 11 | 10 47 | 1 45 | 0 18 | 0 44 | 1 10 | 1 47 | 27 36 | 10 16 | 0 52 | 1 23 | 24 55 | 8 40 | 5 57 |
| T 19 | 12 52 | 28 45 | 5 11 | 13 53 | 0 26 | 6 1 | 1 24 | 24 57 | 1 26 | 23 22 | 0 11 | 10 45 | 1 45 | 0 17 | 0 44 | 1 10 | 1 47 | 27 36 | 10 15 | 0 54 | 1 24 | 24 57 | 8 41 | 5 56 |
| W20 | 13 12 | 27 56 | 5 0 | 13 25 | 0 9 | 6 29 | 1 23 | 24 58 | 1 26 | 23 22 | 0 11 | 10 43 | 1 45 | 0 16 | 0 44 | 1 9 | 1 47 | 27 36 | 10 15 | 0 55 | 1 26 | 24 59 | 8 42 | 5 55 |
| T 21 | 13 31 | 25 21 | 4 32 | 12 56 | 0s 8 | 6 58 | 1 22 | 24 59 | 1 26 | 23 22 | 0 11 | 10 41 | 1 46 | 0 15 | 0 44 | 1 9 | 1 46 | 27 36 | 10 15 | 0 56 | 1 27 | 25 1 | 8 42 | 5 54 |
| F 22 | 13 51 | 21 23 | 3 49 | 12 28 | 0 26 | 7 27 | 1 21 | 24 59 | 1 25 | 23 22 | 0 10 | 10 40 | 1 46 | 0 15 | 0 44 | 1 8 | 1 46 | 27 35 | 10 15 | 0 56 | 1 28 | 25 2 | 8 43 | 5 54 |
| S 23 | 14 10 | 16 26 | 2 54 | 11 59 | 0 43 | 7 55 | 1 20 | 25 0 | 1 25 | 23 23 | 0 10 | 10 38 | 1 46 | 0 14 | 0 44 | 1 8 | 1 46 | 27 35 | 10 14 | 0 55 | 1 29 | 25 4 | 8 43 | 5 53 |
| S 24 | 14 28 | 10 53 | 1 52 | 11 32 | 1 0 | 8 24 | 1 18 | 25 0 | 1 25 | 23 23 | 0 10 | 10 37 | 1 46 | 0 13 | 0 44 | 1 7 | 1 46 | 27 35 | 10 14 | 0 55 | 1 31 | 25 6 | 8 44 | 5 52 |
| M25 | 14 47 | 5 0 | 0 46 | 11 5 | 1 16 | 8 52 | 1 17 | 25 0 | 1 25 | 23 23 | 0 10 | 10 35 | 1 46 | 0 12 | 0 44 | 1 7 | 1 46 | 27 34 | 10 14 | 0 54 | 1 32 | 25 8 | 8 44 | 5 51 |
| T 26 | 15 5 | 0s58 | 0s21 | 10 40 | 1 32 | 9 20 | 1 16 | 24 59 | 1 25 | 23 23 | 0 10 | 10 34 | 1 47 | 0 12 | 0 44 | 1 6 | 1 46 | 27 34 | 10 14 | 0 54 | 1 33 | 25 10 | 8 44 | 5 51 |
| W27 | 15 23 | 6 48 | 1 26 | 10 17 | 1 47 | 9 47 | 1 14 | 24 59 | 1 25 | 23 23 | 0 10 | 10 32 | 1 47 | 0 11 | 0 44 | 1 6 | 1 46 | 27 34 | 10 14 | 0 55 | 1 35 | 25 11 | 8 45 | 5 50 |
| T 28 | 15 41 | 12 20 | 2 26 | 9 56 | 2 2 | 10 15 | 1 13 | 24 59 | 1 25 | 23 23 | 0 10 | 10 31 | 1 47 | 0 10 | 0 44 | 1 5 | 1 46 | 27 34 | 10 13 | 0 56 | 1 36 | 25 13 | 8 45 | 5 49 |
| F 29 | 15 58 | 17 22 | 3 19 | 9 36 | 2 16 | 10 42 | 1 11 | 24 58 | 1 25 | 23 23 | 0 10 | 10 29 | 1 47 | 0 10 | 0 44 | 1 5 | 1 46 | 27 33 | 10 13 | 0 58 | 1 37 | 25 15 | 8 45 | 5 48 |
| S 30 | 16n16 | 21s42 | 4s 3 | 9n19 | 2s28 | 11n 9 | 1s10 | 24n57 | 1n24 | 23s24 | 0n10 | 10s28 | 1s47 | 0s 9 | 0n43 | 1s 4 | 1n46 | 27n33 | 10n13 | 1s 1 | 1s38 | 25s17 | 8n46 | 5s47 |

Julian Day Number = 2073249.5, Delta T = 27m30s
Ecliptic obliquity = 23°34'34, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'19, Lahiri = 9°25'20 Julian Calendar 1 Apr. 964 == Greg. Calendar 6 Apr. 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## MAY 964 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 56 29 | 15♉23'41 | 1♐41 | 0°R 5 | 3♉14 | 3♋32 | 2°R23 | 7♓35 | 2°R 0 | 6°R44 | 10♌22 | 27°R18 | 25♓51 | 2♐ 4 | 22♌ 4 | S 1 |
| M 2 | 15 0 26 | 16°21'16 | 13°33 | 29♈58 | 4°28 | 4° 9 | 2♑20 | 7°39 | 1♎59 | 6♎43 | 10°22 | 27♓ 9 | 25°48 | 2°11 | 22° 6 | M 2 |
| T 3 | 15 4 22 | 17°18'50 | 25°26 | 29°D56 | 5°41 | 4°45 | 2°17 | 7°43 | 1°57 | 6°42 | 10°23 | 27° 0 | 25°44 | 2°18 | 22° 8 | T 3 |
| W 4 | 15 8 19 | 18°16'23 | 7♑23 | 29°58 | 6°55 | 5°21 | 2°13 | 7°47 | 1°56 | 6°41 | 10°23 | 26°52 | 25°41 | 2°24 | 22°10 | W 4 |
| T 5 | 15 12 15 | 19°13'55 | 19°26 | 0♉ 5 | 8° 8 | 5°58 | 2° 9 | 7°51 | 1°54 | 6°40 | 10°24 | 26°46 | 25°38 | 2°31 | 22°12 | T 5 |
| F 6 | 15 16 12 | 20°11'26 | 1♒39 | 0°16 | 9°22 | 6°34 | 2° 6 | 7°55 | 1°53 | 6°38 | 10°24 | 26°42 | 25°35 | 2°38 | 22°14 | F 6 |
| S 7 | 15 20 8 | 21° 8'56 | 14° 6 | 0°32 | 10°35 | 7°10 | 2° 2 | 7°58 | 1°51 | 6°37 | 10°25 | 26°40 | 25°32 | 2°44 | 22°17 | S 7 |
| S 8 | 15 24 5 | 22° 6'26 | 26°50 | 0°52 | 11°49 | 7°47 | 1°58 | 8° 2 | 1°50 | 6°36 | 10°25 | 26°D40 | 25°29 | 2°51 | 22°19 | S 8 |
| M 9 | 15 28 1 | 23° 3'54 | 9♓57 | 1°16 | 13° 3 | 8°23 | 1°53 | 8° 6 | 1°49 | 6°35 | 10°26 | 26°41 | 25°25 | 2°58 | 22°22 | M 9 |
| T 10 | 15 31 58 | 24° 1'21 | 23°29 | 1°45 | 14°16 | 9° 0 | 1°49 | 8° 9 | 1°47 | 6°34 | 10°27 | 26°R41 | 25°22 | 3° 5 | 22°24 | T 10 |
| W11 | 15 35 55 | 24°58'48 | 7♈30 | 2°18 | 15°30 | 9°36 | 1°44 | 8°13 | 1°46 | 6°33 | 10°27 | 26°41 | 25°19 | 3°11 | 22°27 | W11 |
| T 12 | 15 39 51 | 25°56'14 | 21°57 | 2°55 | 16°43 | 10°13 | 1°39 | 8°16 | 1°45 | 6°32 | 10°28 | 26°38 | 25°16 | 3°18 | 22°30 | T 12 |
| F 13 | 15 43 48 | 26°53'39 | 6♉49 | 3°36 | 17°57 | 10°49 | 1°34 | 8°19 | 1°44 | 6°31 | 10°29 | 26°34 | 25°13 | 3°25 | 22°33 | F 13 |
| S 14 | 15 47 44 | 27°51'04 | 21°59 | 4°21 | 19°10 | 11°26 | 1°29 | 8°22 | 1°43 | 6°31 | 10°29 | 26°27 | 25° 9 | 3°31 | 22°36 | S 14 |
| S 15 | 15 51 41 | 28°48'27 | 7♊17 | 5°10 | 20°24 | 12° 2 | 1°24 | 8°25 | 1°42 | 6°30 | 10°30 | 26°18 | 25° 6 | 3°38 | 22°39 | S 15 |
| M16 | 15 55 37 | 29°45'50 | 22°31 | 6° 2 | 21°37 | 12°39 | 1°19 | 8°28 | 1°41 | 6°29 | 10°31 | 26° 9 | 25° 3 | 3°45 | 22°42 | M16 |
| T 17 | 15 59 34 | 0♊43'12 | 7♋32 | 6°58 | 22°51 | 13°15 | 1°13 | 8°31 | 1°40 | 6°28 | 10°32 | 26° 0 | 25° 0 | 3°52 | 22°46 | T 17 |
| W18 | 16 3 30 | 1°40'33 | 22°10 | 7°57 | 24° 4 | 13°52 | 1° 8 | 8°34 | 1°39 | 6°27 | 10°33 | 25°53 | 24°57 | 3°58 | 22°49 | W18 |
| T 19 | 16 7 27 | 2°37'52 | 6♌21 | 9° 0 | 25°18 | 14°29 | 1° 2 | 8°37 | 1°38 | 6°27 | 10°34 | 25°48 | 24°54 | 4° 5 | 22°53 | T 19 |
| F 20 | 16 11 24 | 3°35'11 | 20° 4 | 10° 6 | 26°32 | 15° 5 | 0°56 | 8°39 | 1°37 | 6°26 | 10°35 | 25°46 | 24°50 | 4°12 | 22°56 | F 20 |
| S 21 | 16 15 20 | 4°32'28 | 3♍19 | 11°16 | 27°45 | 15°42 | 0°50 | 8°42 | 1°37 | 6°25 | 10°36 | 25°D45 | 24°47 | 4°18 | 23° 0 | S 21 |
| S 22 | 16 19 17 | 5°29'45 | 16° 9 | 12°29 | 28°59 | 16°19 | 0°44 | 8°44 | 1°36 | 6°24 | 10°36 | 25°45 | 24°44 | 4°25 | 23° 4 | S 22 |
| M23 | 16 23 13 | 6°27'00 | 28°40 | 13°45 | 0♊12 | 16°55 | 0°37 | 8°46 | 1°35 | 6°24 | 10°37 | 25°R45 | 24°41 | 4°32 | 23° 8 | M23 |
| T 24 | 16 27 10 | 7°24'15 | 10♎56 | 15° 4 | 1°26 | 17°32 | 0°31 | 8°49 | 1°35 | 6°23 | 10°38 | 25°44 | 24°38 | 4°39 | 23°12 | T 24 |
| W25 | 16 31 6 | 8°21'29 | 23° 1 | 16°26 | 2°39 | 18° 9 | 0°24 | 8°51 | 1°34 | 6°23 | 10°40 | 25°41 | 24°35 | 4°45 | 23°16 | W25 |
| T 26 | 16 35 3 | 9°18'42 | 4♏58 | 17°52 | 3°53 | 18°46 | 0°18 | 8°53 | 1°34 | 6°22 | 10°41 | 25°36 | 24°31 | 4°52 | 23°20 | T 26 |
| F 27 | 16 38 59 | 10°15'54 | 16°51 | 19°20 | 5° 7 | 19°22 | 0°11 | 8°55 | 1°33 | 6°22 | 10°42 | 25°27 | 24°28 | 4°59 | 23°25 | F 27 |
| S 28 | 16 42 56 | 11°13'06 | 28°43 | 20°52 | 6°20 | 19°59 | 0° 4 | 8°57 | 1°33 | 6°21 | 10°43 | 25°17 | 24°25 | 5° 5 | 23°29 | S 28 |
| S 29 | 16 46 53 | 12°10'17 | 10♐35 | 22°26 | 7°34 | 20°36 | 29♐57 | 8°58 | 1°33 | 6°21 | 10°44 | 25° 4 | 24°22 | 5°12 | 23°33 | S 29 |
| M30 | 16 50 49 | 13° 7'28 | 22°29 | 24° 4 | 8°47 | 21°13 | 29°50 | 9° 0 | 1°32 | 6°20 | 10°45 | 24°51 | 24°19 | 5°19 | 23°38 | M30 |
| T 31 | 16 54 46 | 14♊ 4'39 | 4♑26 | 25♉44 | 10♊ 1 | 21♋49 | 29♐43 | 9♓ 1 | 1♎32 | 6♎20 | 10♌46 | 24♓38 | 24♓15 | 5♐26 | 23♌43 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n33 | 25s 8 | 4s37 | 9n 4 | 2s40 | 11n36 | 1s 8 | 24n56 | 1n24 | 23s24 | 0n 9 | 10s26 | 1s48 | 0s 8 | 0n43 | 1s 4 | 1n46 | 27n33 | 10n13 | 1s 5 | 1s40 | 25s18 | 8n46 | 5s47 |
| M 2 | 16 49 | 27 29 | 4 58 | 8 52 | 2 51 | 12 2 | 1 7 | 24 55 | 1 24 | 23 24 | 0 9 | 10 25 | 1 48 | 0 8 | 0 43 | 1 3 | 1 46 | 27 32 | 10 12 | 1 9 | 1 41 | 25 20 | 8 46 | 5 46 |
| T 3 | 17 6 | 28 36 | 5 6 | 8 42 | 3 0 | 12 28 | 1 5 | 24 53 | 1 24 | 23 24 | 0 9 | 10 24 | 1 48 | 0 7 | 0 43 | 1 3 | 1 46 | 27 32 | 10 12 | 1 12 | 1 42 | 25 22 | 8 46 | 5 45 |
| W 4 | 17 22 | 28 23 | 5 1 | 8 35 | 3 9 | 12 54 | 1 3 | 24 52 | 1 24 | 23 24 | 0 9 | 10 22 | 1 48 | 0 7 | 0 43 | 1 3 | 1 46 | 27 32 | 10 12 | 1 15 | 1 43 | 25 24 | 8 46 | 5 44 |
| T 5 | 17 38 | 26 49 | 4 43 | 8 30 | 3 16 | 13 20 | 1 1 | 24 50 | 1 24 | 23 25 | 0 9 | 10 21 | 1 49 | 0 6 | 0 43 | 1 2 | 1 46 | 27 31 | 10 12 | 1 18 | 1 45 | 25 25 | 8 46 | 5 44 |
| F 6 | 17 54 | 23 59 | 4 11 | 8 28 | 3 22 | 13 45 | 1 0 | 24 48 | 1 24 | 23 25 | 0 9 | 10 20 | 1 49 | 0 5 | 0 43 | 1 2 | 1 46 | 27 31 | 10 12 | 1 19 | 1 46 | 25 27 | 8 46 | 5 43 |
| S 7 | 18 9 | 20 0 | 3 28 | 8 29 | 3 28 | 14 10 | 0 58 | 24 46 | 1 23 | 23 25 | 0 9 | 10 19 | 1 49 | 0 5 | 0 43 | 1 1 | 1 46 | 27 30 | 10 11 | 1 20 | 1 47 | 25 29 | 8 46 | 5 42 |
| S 8 | 18 24 | 15 2 | 2 33 | 8 32 | 3 32 | 14 35 | 0 56 | 24 44 | 1 23 | 23 25 | 0 9 | 10 17 | 1 49 | 0 4 | 0 43 | 1 1 | 1 46 | 27 30 | 10 11 | 1 20 | 1 48 | 25 30 | 8 46 | 5 41 |
| M 9 | 18 39 | 9 15 | 1 28 | 8 37 | 3 36 | 14 59 | 0 54 | 24 41 | 1 23 | 23 25 | 0 9 | 10 16 | 1 49 | 0 4 | 0 43 | 1 1 | 1 46 | 27 30 | 10 11 | 1 20 | 1 50 | 25 32 | 8 46 | 5 41 |
| T 10 | 18 53 | 2 52 | 0 17 | 8 45 | 3 38 | 15 23 | 0 52 | 24 39 | 1 23 | 23 25 | 0 8 | 10 15 | 1 50 | 0 3 | 0 43 | 1 0 | 1 46 | 27 29 | 10 11 | 1 19 | 1 51 | 25 34 | 8 46 | 5 40 |
| W11 | 19 7 | 3n52 | 0n57 | 8 55 | 3 39 | 15 47 | 0 50 | 24 36 | 1 23 | 23 26 | 0 8 | 10 14 | 1 50 | 0 3 | 0 43 | 1 0 | 1 46 | 27 29 | 10 11 | 1 20 | 1 52 | 25 35 | 8 46 | 5 39 |
| T 12 | 19 21 | 10 37 | 2 11 | 9 7 | 3 40 | 16 10 | 0 48 | 24 33 | 1 23 | 23 26 | 0 8 | 10 13 | 1 50 | 0 3 | 0 43 | 1 0 | 1 46 | 27 29 | 10 10 | 1 21 | 1 54 | 25 37 | 8 45 | 5 38 |
| F 13 | 19 34 | 16 58 | 3 17 | 9 21 | 3 39 | 16 33 | 0 46 | 24 30 | 1 22 | 23 26 | 0 8 | 10 12 | 1 50 | 0 2 | 0 43 | 0 59 | 1 46 | 27 28 | 10 10 | 1 22 | 1 55 | 25 39 | 8 45 | 5 38 |
| S 14 | 19 48 | 22 24 | 4 11 | 9 37 | 3 38 | 16 55 | 0 44 | 24 27 | 1 22 | 23 26 | 0 8 | 10 11 | 1 51 | 0 2 | 0 43 | 0 59 | 1 46 | 27 28 | 10 10 | 1 25 | 1 56 | 25 40 | 8 45 | 5 37 |
| S 15 | 20 0 | 26 22 | 4 47 | 9 55 | 3 36 | 17 17 | 0 41 | 24 23 | 1 22 | 23 26 | 0 8 | 10 10 | 1 51 | 0 1 | 0 43 | 0 59 | 1 46 | 27 27 | 10 10 | 1 29 | 1 57 | 25 42 | 8 45 | 5 36 |
| M16 | 20 13 | 28 24 | 5 3 | 10 15 | 3 33 | 17 38 | 0 39 | 24 20 | 1 22 | 23 27 | 0 8 | 10 9 | 1 51 | 0 1 | 0 43 | 0 58 | 1 46 | 27 27 | 10 9 | 1 32 | 1 59 | 25 44 | 8 44 | 5 35 |
| T 17 | 20 25 | 28 18 | 4 57 | 10 37 | 3 30 | 18 0 | 0 37 | 24 16 | 1 22 | 23 27 | 0 8 | 10 8 | 1 51 | 0 1 | 0 43 | 0 58 | 1 46 | 27 26 | 10 9 | 1 36 | 2 0 | 25 45 | 8 44 | 5 35 |
| W18 | 20 37 | 26 13 | 4 32 | 11 0 | 3 25 | 18 20 | 0 35 | 24 12 | 1 22 | 23 27 | 0 7 | 10 8 | 1 52 | 0 0 | 0 43 | 0 58 | 1 46 | 27 26 | 10 9 | 1 39 | 2 1 | 25 47 | 8 43 | 5 34 |
| T 19 | 20 48 | 22 31 | 3 51 | 11 25 | 3 20 | 18 40 | 0 33 | 24 8 | 1 21 | 23 27 | 0 7 | 10 7 | 1 52 | 0 0 | 0 43 | 0 58 | 1 46 | 27 25 | 10 9 | 1 41 | 2 2 | 25 48 | 8 43 | 5 33 |
| F 20 | 20 59 | 17 41 | 2 58 | 11 51 | 3 15 | 19 0 | 0 30 | 24 4 | 1 21 | 23 27 | 0 7 | 10 6 | 1 52 | 0n 0 | 0 43 | 0 57 | 1 45 | 27 25 | 10 9 | 1 42 | 2 4 | 25 50 | 8 43 | 5 32 |
| S 21 | 21 10 | 12 9 | 1 56 | 12 19 | 3 8 | 19 19 | 0 28 | 23 59 | 1 21 | 23 27 | 0 7 | 10 5 | 1 52 | 0 0 | 0 43 | 0 57 | 1 45 | 27 25 | 10 8 | 1 42 | 2 5 | 25 52 | 8 42 | 5 32 |
| S 22 | 21 21 | 6 16 | 0 51 | 12 47 | 3 2 | 19 38 | 0 26 | 23 55 | 1 21 | 23 28 | 0 7 | 10 5 | 1 53 | 0 1 | 0 43 | 0 57 | 1 45 | 27 24 | 10 8 | 1 42 | 2 6 | 25 53 | 8 41 | 5 31 |
| M23 | 21 31 | 0 18 | 0s15 | 13 17 | 2 54 | 19 56 | 0 23 | 23 50 | 1 21 | 23 28 | 0 7 | 10 4 | 1 53 | 0 1 | 0 43 | 0 57 | 1 45 | 27 24 | 10 8 | 1 42 | 2 7 | 25 55 | 8 41 | 5 30 |
| T 24 | 21 40 | 5s34 | 1 20 | 13 48 | 2 46 | 20 13 | 0 21 | 23 45 | 1 20 | 23 28 | 0 7 | 10 3 | 1 53 | 0 1 | 0 43 | 0 56 | 1 45 | 27 23 | 10 8 | 1 42 | 2 9 | 25 56 | 8 40 | 5 30 |
| W25 | 21 49 | 11 9 | 2 19 | 14 20 | 2 38 | 20 30 | 0 19 | 23 40 | 1 20 | 23 28 | 0 6 | 10 3 | 1 53 | 0 1 | 0 43 | 0 56 | 1 45 | 27 23 | 10 8 | 1 43 | 2 10 | 25 58 | 8 40 | 5 29 |
| T 26 | 21 58 | 16 15 | 3 12 | 14 53 | 2 29 | 20 47 | 0 16 | 23 34 | 1 20 | 23 28 | 0 6 | 10 2 | 1 54 | 0 1 | 0 43 | 0 56 | 1 45 | 27 22 | 10 8 | 1 46 | 2 11 | 26 0 | 8 39 | 5 28 |
| F 27 | 22 7 | 20 43 | 3 56 | 15 26 | 2 19 | 21 3 | 0 14 | 23 29 | 1 20 | 23 28 | 0 6 | 10 2 | 1 54 | 0 2 | 0 42 | 0 56 | 1 45 | 27 22 | 10 7 | 1 49 | 2 13 | 26 1 | 8 38 | 5 28 |
| S 28 | 22 15 | 24 21 | 4 29 | 16 0 | 2 9 | 21 18 | 0 12 | 23 23 | 1 20 | 23 29 | 0 6 | 10 1 | 1 54 | 0 2 | 0 42 | 0 56 | 1 45 | 27 21 | 10 7 | 1 53 | 2 14 | 26 3 | 8 37 | 5 27 |
| S 29 | 22 23 | 26 57 | 4 51 | 16 34 | 1 59 | 21 33 | 0 9 | 23 18 | 1 19 | 23 29 | 0 6 | 10 1 | 1 54 | 0 2 | 0 42 | 0 56 | 1 45 | 27 21 | 10 7 | 1 58 | 2 15 | 26 4 | 8 36 | 5 26 |
| M30 | 22 30 | 28 21 | 5 0 | 17 9 | 1 48 | 21 47 | 0 7 | 23 12 | 1 19 | 23 29 | 0 6 | 10 1 | 1 55 | 0 2 | 0 42 | 0 55 | 1 45 | 27 20 | 10 7 | 2 4 | 2 16 | 26 6 | 8 36 | 5 26 |
| T 31 | 22n37 | 28s26 | 4s56 | 17n43 | 1s37 | 22n 0 | 0s 5 | 23n 6 | 1n19 | 23s29 | 0n 6 | 10s 0 | 1s55 | 0n 2 | 0n42 | 0s55 | 1n45 | 27n20 | 10n 7 | 2s 9 | 2s18 | 26s 7 | 8n35 | 5s25 |

Julian Day Number = 2073279.5, Delta T = 27m30s
Ecliptic obliquity = 23°34'33, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'23, Lahiri = 9°25'24 Julian Calendar 1 May 964 == Greg. Calendar 6 May 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## JUNE 964 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 58 42 | 15♊ 1'49 | 16♉28 | 27♉28 | 11♊15 | 22♋26 | 29°R36 | 9♓ 3 | 1°R32 | 6°R19 | 10♌47 | 24°R26 | 24♓12 | 5♐32 | 23♌47 | W 1 |
| T 2 | 17 2 39 | 15°58'59 | 28°37 | 29°14 | 12°28 | 23° 3 | 29♐29 | 9° 4 | 1♎32 | 6♎19 | 10°49 | 24♓17 | 24° 9 | 5°39 | 23°52 | T 2 |
| F 3 | 17 6 35 | 16°56'09 | 10♒55 | 1♊ 3 | 13°42 | 23°40 | 29°22 | 9° 6 | 1°32 | 6°19 | 10°50 | 24°10 | 24° 6 | 5°46 | 23°57 | F 3 |
| S 4 | 17 10 32 | 17°53'18 | 23°24 | 2°55 | 14°55 | 24°17 | 29°14 | 9° 7 | 1°D32 | 6°18 | 10°51 | 24° 6 | 24° 3 | 5°52 | 24° 2 | S 4 |
| S 5 | 17 14 29 | 18°50'28 | 6♓ 9 | 4°50 | 16° 9 | 24°54 | 29° 7 | 9° 8 | 1°32 | 6°18 | 10°52 | 24° 4 | 24° 0 | 5°59 | 24° 7 | S 5 |
| M 6 | 17 18 25 | 19°47'38 | 19°13 | 6°46 | 17°23 | 25°31 | 28°59 | 9° 9 | 1°32 | 6°18 | 10°54 | 24° 4 | 23°56 | 6° 6 | 24°12 | M 6 |
| T 7 | 17 22 22 | 20°44'47 | 2♈39 | 8°46 | 18°36 | 26° 8 | 28°52 | 9°10 | 1°32 | 6°18 | 10°55 | 24° 4 | 23°53 | 6°13 | 24°18 | T 7 |
| W 8 | 17 26 18 | 21°41'57 | 16°30 | 10°47 | 19°50 | 26°45 | 28°44 | 9°10 | 1°32 | 6°18 | 10°56 | 24° 3 | 23°50 | 6°19 | 24°23 | W 8 |
| T 9 | 17 30 15 | 22°39'07 | 0♉48 | 12°51 | 21° 4 | 27°22 | 28°37 | 9°11 | 1°32 | 6°18 | 10°58 | 24° 0 | 23°47 | 6°26 | 24°28 | T 9 |
| F 10 | 17 34 11 | 23°36'18 | 15°30 | 14°56 | 22°18 | 27°59 | 28°29 | 9°11 | 1°33 | 6°17 | 10°59 | 23°54 | 23°44 | 6°33 | 24°34 | F 10 |
| S 11 | 17 38 8 | 24°33'28 | 0♊31 | 17° 3 | 23°31 | 28°36 | 28°21 | 9°12 | 1°33 | 6°17 | 11° 1 | 23°46 | 23°41 | 6°39 | 24°39 | S 11 |
| S 12 | 17 42 4 | 25°30'39 | 15°44 | 19°11 | 24°45 | 29°13 | 28°14 | 9°12 | 1°33 | 6°D17 | 11° 2 | 23°36 | 23°37 | 6°46 | 24°45 | S 12 |
| M13 | 17 46 1 | 26°27'50 | 0♋58 | 21°20 | 25°59 | 29°50 | 28° 6 | 9°13 | 1°34 | 6°17 | 11° 4 | 23°25 | 23°34 | 6°53 | 24°51 | M13 |
| T 14 | 17 49 58 | 27°25'01 | 16° 2 | 23°29 | 27°13 | 0♌27 | 27°58 | 9°13 | 1°34 | 6°17 | 11° 5 | 23°15 | 23°31 | 7° 0 | 24°57 | T 14 |
| W15 | 17 53 54 | 28°22'12 | 0♌46 | 25°39 | 28°26 | 1° 4 | 27°51 | 9°R13 | 1°35 | 6°17 | 11° 6 | 23° 6 | 23°28 | 7° 6 | 25° 2 | W15 |
| T 16 | 17 57 51 | 29°19'22 | 15° 4 | 27°50 | 29°40 | 1°41 | 27°43 | 9°13 | 1°36 | 6°18 | 11° 8 | 22°59 | 23°25 | 7°13 | 25° 8 | T 16 |
| F 17 | 18 1 47 | 0♋16'33 | 28°53 | 29°59 | 0♋54 | 2°19 | 27°35 | 9°13 | 1°36 | 6°18 | 11°10 | 22°56 | 23°21 | 7°20 | 25°14 | F 17 |
| S 18 | 18 5 44 | 1°13'43 | 12♍13 | 2♋ 9 | 2° 8 | 2°56 | 27°28 | 9°12 | 1°37 | 6°18 | 11°11 | 22°54 | 23°18 | 7°27 | 25°20 | S 18 |
| S 19 | 18 9 40 | 2°10'53 | 25° 6 | 4°18 | 3°21 | 3°33 | 27°20 | 9°12 | 1°38 | 6°18 | 11°13 | 22°54 | 23°15 | 7°33 | 25°27 | S 19 |
| M20 | 18 13 37 | 3° 8'04 | 7♎38 | 6°26 | 4°35 | 4°10 | 27°12 | 9°11 | 1°39 | 6°18 | 11°14 | 22°54 | 23°12 | 7°40 | 25°33 | M20 |
| T 21 | 18 17 33 | 4° 5'14 | 19°52 | 8°32 | 5°49 | 4°48 | 27° 5 | 9°11 | 1°39 | 6°19 | 11°16 | 22°53 | 23° 9 | 7°47 | 25°39 | T 21 |
| W22 | 18 21 30 | 5° 2'24 | 1♏54 | 10°38 | 7° 3 | 5°25 | 26°57 | 9°10 | 1°40 | 6°19 | 11°17 | 22°50 | 23° 6 | 7°53 | 25°45 | W22 |
| T 23 | 18 25 27 | 5°59'35 | 13°49 | 12°42 | 8°17 | 6° 2 | 26°50 | 9° 9 | 1°41 | 6°19 | 11°19 | 22°45 | 23° 2 | 8° 0 | 25°52 | T 23 |
| F 24 | 18 29 23 | 6°56'45 | 25°40 | 14°45 | 9°30 | 6°39 | 26°42 | 9° 9 | 1°42 | 6°20 | 11°21 | 22°37 | 22°59 | 8° 7 | 25°58 | F 24 |
| S 25 | 18 33 20 | 7°53'56 | 7♐32 | 16°46 | 10°44 | 7°17 | 26°35 | 9° 8 | 1°44 | 6°20 | 11°22 | 22°27 | 22°56 | 8°14 | 26° 5 | S 25 |
| S 26 | 18 37 16 | 8°51'08 | 19°26 | 18°46 | 11°58 | 7°54 | 26°27 | 9° 7 | 1°45 | 6°20 | 11°24 | 22°15 | 22°53 | 8°20 | 26°12 | S 26 |
| M27 | 18 41 13 | 9°48'19 | 1♑25 | 20°44 | 13°12 | 8°32 | 26°20 | 9° 5 | 1°46 | 6°21 | 11°26 | 22° 2 | 22°50 | 8°27 | 26°18 | M27 |
| T 28 | 18 45 9 | 10°45'31 | 13°29 | 22°40 | 14°26 | 9° 9 | 26°13 | 9° 4 | 1°47 | 6°21 | 11°27 | 21°50 | 22°47 | 8°34 | 26°25 | T 28 |
| W29 | 18 49 6 | 11°42'44 | 25°41 | 24°34 | 15°40 | 9°46 | 26° 6 | 9° 3 | 1°48 | 6°22 | 11°29 | 21°39 | 22°43 | 8°40 | 26°32 | W29 |
| T 30 | 18 53 2 | 12♋39'57 | 8♒ 1 | 26♋27 | 16♋54 | 10♌24 | 25♐58 | 9♓ 1 | 1♎50 | 6♎22 | 11♌31 | 21♓30 | 22♓40 | 8♐47 | 26♌39 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n44 | 27s10 | 4s39 | 18n18 | 1s26 | 22n13 | 0s 2 | 22n59 | 1n19 | 23s29 | 0n 5 | 10s 0 | 1s55 | 0n 2 | 0n42 | 0s55 | 1n45 | 27n19 | 10n 6 | 2s13 | 2s19 | 26s 9 | 8n34 | 5s24 |
| T 2 | 22 50 | 24 36 | 4 9 | 18 53 | 1 15 | 22 25 | 0n 0 | 22 53 | 1 19 | 23 29 | 0 5 | 10 0 | 1 55 | 0 2 | 0 42 | 0 55 | 1 45 | 27 19 | 10 6 | 2 17 | 2 20 | 26 10 | 8 33 | 5 24 |
| F 3 | 22 56 | 20 54 | 3 27 | 19 27 | 1 3 | 22 37 | 0 3 | 22 46 | 1 18 | 23 29 | 0 5 | 9 59 | 1 56 | 0 2 | 0 42 | 0 55 | 1 45 | 27 18 | 10 6 | 2 20 | 2 21 | 26 12 | 8 32 | 5 23 |
| S 4 | 23 1 | 16 13 | 2 34 | 20 1 | 0 52 | 22 48 | 0 5 | 22 40 | 1 18 | 23 29 | 0 5 | 9 59 | 1 56 | 0 2 | 0 42 | 0 55 | 1 45 | 27 18 | 10 6 | 2 21 | 2 23 | 26 13 | 8 31 | 5 22 |
| S 5 | 23 6 | 10 45 | 1 33 | 20 34 | 0 40 | 22 58 | 0 7 | 22 33 | 1 18 | 23 29 | 0 5 | 9 59 | 1 56 | 0 2 | 0 42 | 0 55 | 1 45 | 27 17 | 10 6 | 2 22 | 2 24 | 26 15 | 8 30 | 5 22 |
| M 6 | 23 11 | 4 41 | 0 26 | 21 6 | 0 29 | 23 8 | 0 10 | 22 26 | 1 18 | 23 30 | 0 5 | 9 59 | 1 56 | 0 2 | 0 42 | 0 55 | 1 45 | 27 17 | 10 6 | 2 22 | 2 25 | 26 16 | 8 29 | 5 21 |
| T 7 | 23 15 | 1n45 | 0n45 | 21 36 | 0 17 | 23 17 | 0 12 | 22 19 | 1 17 | 23 30 | 0 5 | 9 59 | 1 57 | 0 2 | 0 42 | 0 55 | 1 45 | 27 16 | 10 6 | 2 22 | 2 26 | 26 18 | 8 28 | 5 20 |
| W 8 | 23 19 | 8 18 | 1 56 | 22 6 | 0 6 | 23 25 | 0 14 | 22 11 | 1 17 | 23 30 | 0 4 | 9 59 | 1 57 | 0 2 | 0 42 | 0 55 | 1 45 | 27 16 | 10 5 | 2 23 | 2 28 | 26 19 | 8 27 | 5 20 |
| T 9 | 23 22 | 14 38 | 3 1 | 22 34 | 0n 5 | 23 33 | 0 17 | 22 4 | 1 17 | 23 30 | 0 4 | 9 59 | 1 57 | 0 1 | 0 42 | 0 55 | 1 44 | 27 15 | 10 5 | 2 24 | 2 29 | 26 21 | 8 25 | 5 19 |
| F 10 | 23 25 | 20 20 | 3 56 | 22 59 | 0 16 | 23 40 | 0 19 | 21 56 | 1 17 | 23 30 | 0 4 | 9 59 | 1 57 | 0 1 | 0 42 | 0 55 | 1 44 | 27 14 | 10 5 | 2 26 | 2 30 | 26 22 | 8 24 | 5 18 |
| S 11 | 23 28 | 24 52 | 4 36 | 23 23 | 0 27 | 23 46 | 0 21 | 21 48 | 1 16 | 23 30 | 0 4 | 9 59 | 1 58 | 0 1 | 0 42 | 0 55 | 1 44 | 27 14 | 10 5 | 2 29 | 2 32 | 26 23 | 8 23 | 5 18 |
| S 12 | 23 30 | 27 44 | 4 57 | 23 45 | 0 37 | 23 52 | 0 24 | 21 40 | 1 16 | 23 30 | 0 4 | 9 59 | 1 58 | 0 1 | 0 42 | 0 55 | 1 44 | 27 13 | 10 5 | 2 33 | 2 33 | 26 25 | 8 22 | 5 17 |
| M13 | 23 32 | 28 32 | 4 58 | 24 4 | 0 47 | 23 57 | 0 26 | 21 32 | 1 16 | 23 30 | 0 4 | 9 59 | 1 58 | 0 1 | 0 42 | 0 55 | 1 44 | 27 13 | 10 5 | 2 38 | 2 34 | 26 26 | 8 20 | 5 17 |
| T 14 | 23 33 | 27 11 | 4 37 | 24 20 | 0 56 | 24 1 | 0 28 | 21 24 | 1 16 | 23 30 | 0 4 | 9 59 | 1 59 | 0 0 | 0 42 | 0 55 | 1 44 | 27 12 | 10 5 | 2 42 | 2 35 | 26 28 | 8 19 | 5 16 |
| W15 | 23 34 | 23 58 | 3 58 | 24 34 | 1 4 | 24 4 | 0 30 | 21 16 | 1 16 | 23 30 | 0 3 | 10 0 | 1 59 | 0 0 | 0 42 | 0 55 | 1 44 | 27 12 | 10 4 | 2 45 | 2 37 | 26 29 | 8 18 | 5 15 |
| T 16 | 23 34 | 19 22 | 3 6 | 24 45 | 1 12 | 24 7 | 0 33 | 21 7 | 1 15 | 23 30 | 0 3 | 10 0 | 1 59 | 0s 0 | 0 42 | 0 55 | 1 44 | 27 11 | 10 4 | 2 48 | 2 38 | 26 31 | 8 16 | 5 15 |
| F 17 | 23 35 | 13 51 | 2 3 | 24 54 | 1 19 | 24 9 | 0 35 | 20 58 | 1 15 | 23 30 | 0 3 | 10 0 | 1 59 | 0 0 | 0 42 | 0 55 | 1 44 | 27 11 | 10 4 | 2 49 | 2 39 | 26 32 | 8 15 | 5 14 |
| S 18 | 23 34 | 7 53 | 0 56 | 24 59 | 1 25 | 24 10 | 0 37 | 20 50 | 1 15 | 23 30 | 0 3 | 10 0 | 2 0 | 0 1 | 0 42 | 0 55 | 1 44 | 27 10 | 10 4 | 2 50 | 2 40 | 26 33 | 8 13 | 5 14 |
| S 19 | 23 33 | 1 47 | 0s12 | 25 1 | 1 31 | 24 11 | 0 39 | 20 41 | 1 15 | 23 30 | 0 3 | 10 1 | 2 0 | 0 1 | 0 42 | 0 56 | 1 44 | 27 9 | 10 4 | 2 50 | 2 42 | 26 35 | 8 12 | 5 13 |
| M20 | 23 32 | 4s13 | 1 17 | 25 1 | 1 36 | 24 11 | 0 41 | 20 32 | 1 14 | 23 30 | 0 3 | 10 1 | 2 0 | 0 1 | 0 41 | 0 56 | 1 44 | 27 9 | 10 4 | 2 50 | 2 43 | 26 36 | 8 10 | 5 13 |
| T 21 | 23 31 | 9 56 | 2 18 | 24 58 | 1 40 | 24 10 | 0 43 | 20 22 | 1 14 | 23 30 | 0 3 | 10 2 | 2 0 | 0 2 | 0 41 | 0 56 | 1 44 | 27 8 | 10 4 | 2 50 | 2 44 | 26 37 | 8 9 | 5 12 |
| W22 | 23 29 | 15 11 | 3 11 | 24 52 | 1 44 | 24 8 | 0 45 | 20 13 | 1 14 | 23 30 | 0 2 | 10 2 | 2 1 | 0 2 | 0 41 | 0 56 | 1 44 | 27 8 | 10 4 | 2 52 | 2 45 | 26 39 | 8 7 | 5 12 |
| T 23 | 23 26 | 19 48 | 3 55 | 24 44 | 1 47 | 24 6 | 0 47 | 20 3 | 1 14 | 23 30 | 0 2 | 10 3 | 2 1 | 0 3 | 0 41 | 0 56 | 1 44 | 27 7 | 10 4 | 2 54 | 2 47 | 26 40 | 8 5 | 5 11 |
| F 24 | 23 24 | 23 38 | 4 29 | 24 33 | 1 49 | 24 3 | 0 49 | 19 54 | 1 13 | 23 30 | 0 2 | 10 3 | 2 1 | 0 3 | 0 41 | 0 56 | 1 44 | 27 7 | 10 3 | 2 57 | 2 48 | 26 42 | 8 4 | 5 10 |
| S 25 | 23 20 | 26 28 | 4 51 | 24 20 | 1 50 | 23 59 | 0 51 | 19 44 | 1 13 | 23 30 | 0 2 | 10 4 | 2 1 | 0 4 | 0 41 | 0 57 | 1 44 | 27 6 | 10 3 | 3 1 | 2 49 | 26 43 | 8 2 | 5 10 |
| S 26 | 23 17 | 28 9 | 5 0 | 24 5 | 1 51 | 23 55 | 0 53 | 19 34 | 1 13 | 23 30 | 0 2 | 10 4 | 2 2 | 0 4 | 0 41 | 0 57 | 1 44 | 27 6 | 10 3 | 3 5 | 2 50 | 26 44 | 8 0 | 5 9 |
| M27 | 23 13 | 28 31 | 4 57 | 23 47 | 1 51 | 23 50 | 0 55 | 19 24 | 1 12 | 23 30 | 0 2 | 10 5 | 2 2 | 0 5 | 0 41 | 0 57 | 1 44 | 27 5 | 10 3 | 3 11 | 2 52 | 26 46 | 7 59 | 5 9 |
| T 28 | 23 8 | 27 32 | 4 40 | 23 28 | 1 50 | 23 44 | 0 57 | 19 14 | 1 12 | 23 30 | 0 2 | 10 6 | 2 2 | 0 5 | 0 41 | 0 57 | 1 43 | 27 4 | 10 3 | 3 15 | 2 53 | 26 47 | 7 57 | 5 8 |
| W29 | 23 3 | 25 13 | 4 10 | 23 7 | 1 49 | 23 37 | 0 58 | 19 3 | 1 12 | 23 30 | 0 1 | 10 7 | 2 2 | 0 6 | 0 41 | 0 58 | 1 43 | 27 4 | 10 3 | 3 20 | 2 54 | 26 48 | 7 55 | 5 8 |
| T 30 | 22n58 | 21s43 | 3s28 | 22n44 | 1n47 | 23n30 | 1n 0 | 18n53 | 1n12 | 23s30 | 0n 1 | 10s 7 | 2s 3 | 0s 6 | 0n41 | 0s58 | 1n43 | 27n 3 | 10n 3 | 3s23 | 2s56 | 26s49 | 7n53 | 5s 7 |

Julian Day Number = 2073310.5, Delta T = 27m29s
Ecliptic obliquity = 23°34'33, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'28, Lahiri = 9°25'28 Julian Calendar 1 June 964 == Greg. Calendar 6 June 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## JULY 964 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 56 59 | 13♋37'11 | 20♒30 | 28♋18 | 18♋ 7 | 11♌ 1 | 25°R51 | 9°R 0 | 1♎51 | 6♎23 | 11♌33 | 21°R23 | 22♓37 | 8♐54 | 26♌45 | F 1 |
| S 2 | 19 0 56 | 14°34'26 | 3♓10 | 0♌ 7 | 19°21 | 11°39 | 25♐44 | 8♓58 | 1°52 | 6°24 | 11°34 | 21♓20 | 22°34 | 9° 1 | 26°52 | S 2 |
| S 3 | 19 4 52 | 15°31'41 | 16° 3 | 1°54 | 20°35 | 12°16 | 25°38 | 8°57 | 1°54 | 6°24 | 11°36 | 21°D18 | 22°31 | 9° 7 | 26°59 | S 3 |
| M 4 | 19 8 49 | 16°28'58 | 29°11 | 3°40 | 21°49 | 12°54 | 25°31 | 8°55 | 1°55 | 6°25 | 11°38 | 21°18 | 22°27 | 9°14 | 27° 6 | M 4 |
| T 5 | 19 12 45 | 17°26'15 | 12♈38 | 5°24 | 23° 3 | 13°31 | 25°24 | 8°53 | 1°57 | 6°26 | 11°40 | 21°R19 | 22°24 | 9°21 | 27°14 | T 5 |
| W 6 | 19 16 42 | 18°23'34 | 26°24 | 7° 6 | 24°17 | 14° 9 | 25°18 | 8°51 | 1°59 | 6°26 | 11°41 | 21°18 | 22°21 | 9°27 | 27°21 | W 6 |
| T 7 | 19 20 38 | 19°20'54 | 10♉31 | 8°47 | 25°31 | 14°46 | 25°11 | 8°49 | 2° 0 | 6°27 | 11°43 | 21°17 | 22°18 | 9°34 | 27°28 | T 7 |
| F 8 | 19 24 35 | 20°18'14 | 24°58 | 10°25 | 26°45 | 15°24 | 25° 5 | 8°47 | 2° 2 | 6°28 | 11°45 | 21°13 | 22°15 | 9°41 | 27°35 | F 8 |
| S 9 | 19 28 31 | 21°15'36 | 9♊42 | 12° 2 | 27°59 | 16° 2 | 24°59 | 8°44 | 2° 4 | 6°29 | 11°47 | 21° 7 | 22°12 | 9°48 | 27°43 | S 9 |
| S 10 | 19 32 28 | 22°13'00 | 24°37 | 13°37 | 29°13 | 16°39 | 24°52 | 8°42 | 2° 6 | 6°30 | 11°49 | 20°59 | 22° 8 | 9°54 | 27°50 | S 10 |
| M11 | 19 36 25 | 23°10'24 | 9♋35 | 15°11 | 0♌27 | 17°17 | 24°46 | 8°39 | 2° 8 | 6°31 | 11°51 | 20°50 | 22° 5 | 10° 1 | 27°57 | M11 |
| T 12 | 19 40 21 | 24° 7'49 | 24°27 | 16°43 | 1°41 | 17°55 | 24°41 | 8°37 | 2° 9 | 6°32 | 11°52 | 20°42 | 22° 2 | 10° 8 | 28° 5 | T 12 |
| W13 | 19 44 18 | 25° 5'15 | 9♌ 3 | 18°13 | 2°55 | 18°33 | 24°35 | 8°34 | 2°11 | 6°32 | 11°54 | 20°35 | 21°59 | 10°15 | 28°12 | W13 |
| T 14 | 19 48 14 | 26° 2'42 | 23°18 | 19°41 | 4° 9 | 19°10 | 24°29 | 8°32 | 2°13 | 6°33 | 11°56 | 20°29 | 21°56 | 10°21 | 28°20 | T 14 |
| F 15 | 19 52 11 | 27° 0'10 | 7♍ 7 | 21° 8 | 5°23 | 19°48 | 24°24 | 8°29 | 2°15 | 6°34 | 11°58 | 20°27 | 21°53 | 10°28 | 28°27 | F 15 |
| S 16 | 19 56 7 | 27°57'39 | 20°29 | 22°32 | 6°37 | 20°26 | 24°19 | 8°26 | 2°18 | 6°36 | 12° 0 | 20°D26 | 21°49 | 10°35 | 28°35 | S 16 |
| S 17 | 20 0 4 | 28°55'08 | 3♎26 | 23°55 | 7°51 | 21° 4 | 24°13 | 8°23 | 2°20 | 6°37 | 12° 2 | 20°26 | 21°46 | 10°41 | 28°43 | S 17 |
| M18 | 20 4 1 | 29°52'38 | 16° 0 | 25°16 | 9° 5 | 21°42 | 24° 8 | 8°20 | 2°22 | 6°38 | 12° 4 | 20°27 | 21°43 | 10°48 | 28°50 | M18 |
| T 19 | 20 7 57 | 0♌50'09 | 28°17 | 26°35 | 10°19 | 22°20 | 24° 4 | 8°17 | 2°24 | 6°39 | 12° 6 | 20°R28 | 21°40 | 10°55 | 28°58 | T 19 |
| W20 | 20 11 54 | 1°47'42 | 10♏20 | 27°52 | 11°33 | 22°58 | 23°59 | 8°14 | 2°26 | 6°40 | 12° 7 | 20°28 | 21°37 | 11° 2 | 29° 6 | W20 |
| T 21 | 20 15 50 | 2°45'15 | 22°16 | 29° 7 | 12°47 | 23°36 | 23°54 | 8°10 | 2°29 | 6°41 | 12° 9 | 20°26 | 21°33 | 11° 8 | 29°14 | T 21 |
| F 22 | 20 19 47 | 3°42'49 | 4♐ 8 | 0♍21 | 14° 1 | 24°14 | 23°50 | 8° 7 | 2°31 | 6°42 | 12°11 | 20°22 | 21°30 | 11°15 | 29°22 | F 22 |
| S 23 | 20 23 43 | 4°40'24 | 16° 1 | 1°31 | 15°16 | 24°52 | 23°46 | 8° 4 | 2°33 | 6°44 | 12°13 | 20°16 | 21°27 | 11°22 | 29°30 | S 23 |
| S 24 | 20 27 40 | 5°38'00 | 27°58 | 2°40 | 16°30 | 25°30 | 23°42 | 8° 0 | 2°36 | 6°45 | 12°15 | 20° 9 | 21°24 | 11°28 | 29°38 | S 24 |
| M25 | 20 31 36 | 6°35'38 | 10♑ 3 | 3°47 | 17°44 | 26° 8 | 23°38 | 7°57 | 2°38 | 6°46 | 12°17 | 20° 1 | 21°21 | 11°35 | 29°46 | M25 |
| T 26 | 20 35 33 | 7°33'16 | 22°16 | 4°51 | 18°58 | 26°46 | 23°34 | 7°53 | 2°41 | 6°47 | 12°19 | 19°53 | 21°18 | 11°42 | 29°54 | T 26 |
| W27 | 20 39 30 | 8°30'56 | 4♒40 | 5°52 | 20°12 | 27°24 | 23°31 | 7°49 | 2°43 | 6°49 | 12°21 | 19°46 | 21°14 | 11°49 | 0♍ 2 | W27 |
| T 28 | 20 43 26 | 9°28'37 | 17°15 | 6°51 | 21°26 | 28° 2 | 23°27 | 7°46 | 2°46 | 6°50 | 12°23 | 19°41 | 21°11 | 11°55 | 0°10 | T 28 |
| F 29 | 20 47 23 | 10°26'20 | 0♓ 2 | 7°47 | 22°40 | 28°40 | 23°24 | 7°42 | 2°48 | 6°52 | 12°25 | 19°37 | 21° 8 | 12° 2 | 0°18 | F 29 |
| S 30 | 20 51 19 | 11°24'04 | 13° 0 | 8°40 | 23°54 | 29°19 | 23°21 | 7°38 | 2°51 | 6°53 | 12°27 | 19°35 | 21° 5 | 12° 9 | 0°26 | S 30 |
| S 31 | 20 55 16 | 12♌21'50 | 26♓11 | 9♍30 | 25♌ 8 | 29♌57 | 23♐18 | 7♓34 | 2♎54 | 6♎54 | 12♌29 | 19°D35 | 21♓ 2 | 12♐16 | 0♍34 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n52 | 17s12 | 2s36 | 22n19 | 1n44 | 23n22 | 1n 2 | 18n42 | 1n11 | 23s30 | 0n 1 | 10s 8 | 2s 3 | 0s 7 | 0n41 | 0s58 | 1n43 | 27n 3 | 10n 3 | 3s26 | 2s57 | 26s51 | 7n51 | 5s 7 |
| S 2 | 22 46 | 11 52 | 1 35 | 21 53 | 1 41 | 23 13 | 1 4 | 18 32 | 1 11 | 23 29 | 0 1 | 10 9 | 2 3 | 0 7 | 0 41 | 0 58 | 1 43 | 27 2 | 10 3 | 3 27 | 2 58 | 26 52 | 7 49 | 5 6 |
| S 3 | 22 40 | 5 58 | 0 28 | 21 26 | 1 38 | 23 4 | 1 5 | 18 21 | 1 11 | 23 29 | 0 1 | 10 10 | 2 3 | 0 8 | 0 41 | 0 59 | 1 43 | 27 2 | 10 3 | 3 28 | 2 59 | 26 53 | 7 47 | 5 6 |
| M 4 | 22 33 | 0n19 | 0n42 | 20 58 | 1 34 | 22 54 | 1 7 | 18 10 | 1 11 | 23 29 | 0 1 | 10 11 | 2 4 | 0 9 | 0 41 | 0 59 | 1 43 | 27 1 | 10 3 | 3 28 | 3 1 | 26 55 | 7 46 | 5 6 |
| T 5 | 22 26 | 6 43 | 1 51 | 20 28 | 1 29 | 22 43 | 1 8 | 17 59 | 1 10 | 23 29 | 0 0 | 10 12 | 2 4 | 0 9 | 0 41 | 0 59 | 1 43 | 27 0 | 10 3 | 3 28 | 3 2 | 26 56 | 7 44 | 5 5 |
| W 6 | 22 18 | 12 58 | 2 56 | 19 58 | 1 24 | 22 31 | 1 10 | 17 48 | 1 10 | 23 29 | 0 0 | 10 13 | 2 4 | 0 10 | 0 41 | 1 0 | 1 43 | 27 0 | 10 3 | 3 28 | 3 3 | 26 57 | 7 42 | 5 5 |
| T 7 | 22 10 | 18 43 | 3 51 | 19 26 | 1 19 | 22 19 | 1 11 | 17 36 | 1 10 | 23 29 | 0 0 | 10 14 | 2 4 | 0 11 | 0 41 | 1 0 | 1 43 | 26 59 | 10 3 | 3 29 | 3 4 | 26 58 | 7 40 | 5 4 |
| F 8 | 22 2 | 23 32 | 4 33 | 18 54 | 1 13 | 22 7 | 1 12 | 17 25 | 1 9 | 23 29 | 0 0 | 10 15 | 2 4 | 0 11 | 0 41 | 1 0 | 1 43 | 26 59 | 10 3 | 3 30 | 3 6 | 27 0 | 7 37 | 5 4 |
| S 9 | 21 53 | 26 57 | 4 58 | 18 21 | 1 7 | 21 53 | 1 14 | 17 13 | 1 9 | 23 29 | 0s 0 | 10 16 | 2 5 | 0 12 | 0 41 | 1 1 | 1 43 | 26 58 | 10 3 | 3 33 | 3 7 | 27 1 | 7 35 | 5 3 |
| S 10 | 21 44 | 28 31 | 5 4 | 17 47 | 1 0 | 21 39 | 1 15 | 17 2 | 1 9 | 23 29 | 0 0 | 10 17 | 2 5 | 0 13 | 0 41 | 1 1 | 1 43 | 26 58 | 10 3 | 3 36 | 3 8 | 27 2 | 7 33 | 5 3 |
| M11 | 21 34 | 28 1 | 4 48 | 17 13 | 0 53 | 21 24 | 1 16 | 16 50 | 1 9 | 23 29 | 0 0 | 10 18 | 2 5 | 0 14 | 0 41 | 1 2 | 1 43 | 26 57 | 10 2 | 3 39 | 3 9 | 27 3 | 7 31 | 5 2 |
| T 12 | 21 25 | 25 31 | 4 14 | 16 39 | 0 46 | 21 9 | 1 17 | 16 38 | 1 8 | 23 29 | 0 1 | 10 19 | 2 5 | 0 15 | 0 41 | 1 2 | 1 43 | 26 56 | 10 2 | 3 43 | 3 11 | 27 4 | 7 29 | 5 2 |
| W13 | 21 14 | 21 21 | 3 23 | 16 4 | 0 38 | 20 53 | 1 18 | 16 26 | 1 8 | 23 29 | 0 1 | 10 20 | 2 6 | 0 15 | 0 41 | 1 2 | 1 43 | 26 56 | 10 2 | 3 45 | 3 12 | 27 6 | 7 27 | 5 2 |
| T 14 | 21 4 | 16 2 | 2 20 | 15 28 | 0 30 | 20 37 | 1 19 | 16 14 | 1 8 | 23 28 | 0 1 | 10 22 | 2 6 | 0 16 | 0 41 | 1 3 | 1 43 | 26 55 | 10 2 | 3 47 | 3 13 | 27 7 | 7 25 | 5 1 |
| F 15 | 20 53 | 10 3 | 1 11 | 14 53 | 0 22 | 20 20 | 1 20 | 16 1 | 1 7 | 23 28 | 0 1 | 10 23 | 2 6 | 0 17 | 0 40 | 1 3 | 1 43 | 26 55 | 10 2 | 3 48 | 3 14 | 27 8 | 7 22 | 5 1 |
| S 16 | 20 41 | 3 47 | 0s 0 | 14 17 | 0 13 | 20 2 | 1 21 | 15 49 | 1 7 | 23 28 | 0 1 | 10 24 | 2 6 | 0 18 | 0 40 | 1 4 | 1 43 | 26 54 | 10 2 | 3 49 | 3 16 | 27 9 | 7 20 | 5 0 |
| S 17 | 20 30 | 2s26 | 1 9 | 13 42 | 0 4 | 19 44 | 1 22 | 15 37 | 1 7 | 23 28 | 0 1 | 10 26 | 2 6 | 0 19 | 0 40 | 1 4 | 1 42 | 26 54 | 10 2 | 3 49 | 3 17 | 27 10 | 7 18 | 5 0 |
| M18 | 20 18 | 8 22 | 2 13 | 13 6 | 0s 5 | 19 25 | 1 23 | 15 24 | 1 6 | 23 28 | 0 1 | 10 27 | 2 7 | 0 20 | 0 40 | 1 5 | 1 42 | 26 53 | 10 2 | 3 48 | 3 18 | 27 12 | 7 16 | 5 0 |
| T 19 | 20 5 | 13 52 | 3 9 | 12 30 | 0 14 | 19 6 | 1 23 | 15 11 | 1 6 | 23 28 | 0 2 | 10 28 | 2 7 | 0 21 | 0 40 | 1 5 | 1 42 | 26 53 | 10 2 | 3 48 | 3 19 | 27 13 | 7 13 | 4 59 |
| W20 | 19 52 | 18 44 | 3 56 | 11 55 | 0 23 | 18 46 | 1 24 | 14 58 | 1 6 | 23 28 | 0 2 | 10 30 | 2 7 | 0 22 | 0 40 | 1 6 | 1 42 | 26 52 | 10 2 | 3 48 | 3 21 | 27 14 | 7 11 | 4 59 |
| T 21 | 19 39 | 22 49 | 4 32 | 11 20 | 0 33 | 18 25 | 1 25 | 14 46 | 1 5 | 23 28 | 0 2 | 10 31 | 2 7 | 0 23 | 0 40 | 1 6 | 1 42 | 26 51 | 10 2 | 3 49 | 3 22 | 27 15 | 7 9 | 4 59 |
| F 22 | 19 26 | 25 56 | 4 56 | 10 45 | 0 43 | 18 4 | 1 25 | 14 33 | 1 5 | 23 28 | 0 2 | 10 32 | 2 7 | 0 23 | 0 40 | 1 7 | 1 42 | 26 51 | 10 3 | 3 50 | 3 23 | 27 16 | 7 6 | 4 58 |
| S 23 | 19 12 | 27 55 | 5 7 | 10 10 | 0 53 | 17 43 | 1 26 | 14 20 | 1 5 | 23 28 | 0 2 | 10 34 | 2 8 | 0 24 | 0 40 | 1 7 | 1 42 | 26 50 | 10 3 | 3 53 | 3 24 | 27 17 | 7 4 | 4 58 |
| S 24 | 18 58 | 28 38 | 5 5 | 9 36 | 1 3 | 17 21 | 1 26 | 14 6 | 1 4 | 23 28 | 0 2 | 10 35 | 2 8 | 0 25 | 0 40 | 1 8 | 1 42 | 26 50 | 10 3 | 3 56 | 3 26 | 27 18 | 7 1 | 4 58 |
| M25 | 18 44 | 28 0 | 4 49 | 9 2 | 1 13 | 16 59 | 1 26 | 13 53 | 1 4 | 23 28 | 0 2 | 10 37 | 2 8 | 0 26 | 0 40 | 1 8 | 1 42 | 26 49 | 10 3 | 3 59 | 3 27 | 27 19 | 6 59 | 4 57 |
| T 26 | 18 29 | 26 0 | 4 21 | 8 29 | 1 24 | 16 36 | 1 27 | 13 40 | 1 4 | 23 28 | 0 2 | 10 38 | 2 8 | 0 28 | 0 40 | 1 9 | 1 42 | 26 49 | 10 3 | 4 2 | 3 28 | 27 21 | 6 56 | 4 57 |
| W27 | 18 14 | 22 45 | 3 39 | 7 57 | 1 34 | 16 12 | 1 27 | 13 26 | 1 4 | 23 28 | 0 3 | 10 40 | 2 8 | 0 29 | 0 40 | 1 10 | 1 42 | 26 48 | 10 3 | 4 4 | 3 30 | 27 22 | 6 54 | 4 57 |
| T 28 | 17 59 | 18 23 | 2 46 | 7 26 | 1 45 | 15 49 | 1 27 | 13 13 | 1 3 | 23 28 | 0 3 | 10 42 | 2 9 | 0 30 | 0 40 | 1 10 | 1 42 | 26 48 | 10 3 | 4 7 | 3 31 | 27 23 | 6 51 | 4 56 |
| F 29 | 17 43 | 13 9 | 1 44 | 6 55 | 1 55 | 15 24 | 1 27 | 12 59 | 1 3 | 23 27 | 0 3 | 10 43 | 2 9 | 0 31 | 0 40 | 1 11 | 1 42 | 26 47 | 10 3 | 4 8 | 3 32 | 27 24 | 6 49 | 4 56 |
| S 30 | 17 27 | 7 16 | 0 36 | 6 25 | 2 6 | 15 0 | 1 27 | 12 45 | 1 3 | 23 27 | 0 3 | 10 45 | 2 9 | 0 32 | 0 40 | 1 11 | 1 42 | 26 47 | 10 3 | 4 9 | 3 33 | 27 25 | 6 46 | 4 56 |
| S 31 | 17n11 | 0s59 | 0n36 | 5n57 | 2s17 | 14n35 | 1n27 | 12n31 | 1n 2 | 23s27 | 0s 3 | 10s46 | 2s 9 | 0s33 | 0n40 | 1s12 | 1n42 | 26n46 | 10n 3 | 4s 9 | 3s35 | 27s26 | 6n44 | 4s55 |

Julian Day Number = 2073340.5, Delta T = 27m29s
Ecliptic obliquity = 23°34'33, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'32, Lahiri = 9°25'32 Julian Calendar 1 July 964 == Greg. Calendar 6 July 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## AUGUST 964 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 59 12 | 13♌19'37 | 9♈34 | 10♍17 | 26♌22 | 0♍35 | 23°R16 | 7°R30 | 2♎57 | 6♎56 | 12♌31 | 19♓36 | 20♓59 | 12♐22 | 0♍42 | M 1 |
| T 2 | 21 3 9 | 14°17'26 | 23°10 | 11° 0 | 27°36 | 1°13 | 23♐13 | 7♓26 | 2°59 | 6°57 | 12°33 | 19°38 | 20°55 | 12°29 | 0°50 | T 2 |
| W 3 | 21 7 5 | 15°15'17 | 7♉ 0 | 11°40 | 28°51 | 1°52 | 23°11 | 7°22 | 3° 2 | 6°59 | 12°35 | 19°39 | 20°52 | 12°36 | 0°58 | W 3 |
| T 4 | 21 11 2 | 16°13'10 | 21° 3 | 12°16 | 0♍ 5 | 2°30 | 23° 9 | 7°18 | 3° 5 | 7° 1 | 12°36 | 19°R39 | 20°49 | 12°42 | 1° 7 | T 4 |
| F 5 | 21 14 59 | 17°11'05 | 5♊19 | 12°48 | 1°19 | 3° 8 | 23° 7 | 7°14 | 3° 8 | 7° 2 | 12°38 | 19°38 | 20°46 | 12°49 | 1°15 | F 5 |
| S 6 | 21 18 55 | 18° 9'02 | 19°44 | 13°15 | 2°33 | 3°47 | 23° 5 | 7°10 | 3°11 | 7° 4 | 12°40 | 19°35 | 20°43 | 12°56 | 1°23 | S 6 |
| S 7 | 21 22 52 | 19° 7'00 | 4♋16 | 13°38 | 3°47 | 4°25 | 23° 4 | 7° 5 | 3°14 | 7° 5 | 12°42 | 19°32 | 20°39 | 13° 3 | 1°32 | S 7 |
| M 8 | 21 26 48 | 20° 5'01 | 18°48 | 13°56 | 5° 1 | 5° 4 | 23° 2 | 7° 1 | 3°17 | 7° 7 | 12°44 | 19°27 | 20°36 | 13° 9 | 1°40 | M 8 |
| T 9 | 21 30 45 | 21° 3'03 | 3♌15 | 14° 9 | 6°15 | 5°42 | 23° 1 | 6°57 | 3°20 | 7° 9 | 12°46 | 19°23 | 20°33 | 13°16 | 1°48 | T 9 |
| W10 | 21 34 41 | 22° 1'07 | 17°31 | 14°16 | 7°29 | 6°21 | 23° 0 | 6°52 | 3°23 | 7°10 | 12°48 | 19°20 | 20°30 | 13°23 | 1°57 | W10 |
| T 11 | 21 38 38 | 22°59'13 | 1♍31 | 14°R18 | 8°44 | 6°59 | 22°59 | 6°48 | 3°26 | 7°12 | 12°50 | 19°18 | 20°27 | 13°30 | 2° 5 | T 11 |
| F 12 | 21 42 34 | 23°57'20 | 15°10 | 14°14 | 9°58 | 7°38 | 22°59 | 6°44 | 3°29 | 7°14 | 12°52 | 19°D17 | 20°24 | 13°36 | 2°13 | F 12 |
| S 13 | 21 46 31 | 24°55'29 | 28°27 | 14° 3 | 11°12 | 8°17 | 22°58 | 6°39 | 3°32 | 7°16 | 12°54 | 19°17 | 20°20 | 13°43 | 2°22 | S 13 |
| S 14 | 21 50 28 | 25°53'40 | 11♎23 | 13°47 | 12°26 | 8°55 | 22°58 | 6°35 | 3°35 | 7°17 | 12°56 | 19°18 | 20°17 | 13°50 | 2°30 | S 14 |
| M15 | 21 54 24 | 26°51'52 | 23°58 | 13°24 | 13°40 | 9°34 | 22°D58 | 6°30 | 3°38 | 7°19 | 12°58 | 19°19 | 20°14 | 13°56 | 2°38 | M15 |
| T 16 | 21 58 21 | 27°50'06 | 6♏17 | 12°54 | 14°54 | 10°13 | 22°58 | 6°25 | 3°42 | 7°21 | 12°59 | 19°21 | 20°11 | 14° 3 | 2°47 | T 16 |
| W17 | 22 2 17 | 28°48'21 | 18°22 | 12°19 | 16° 8 | 10°51 | 22°59 | 6°21 | 3°45 | 7°23 | 13° 1 | 19°22 | 20° 8 | 14°10 | 2°55 | W17 |
| T 18 | 22 6 14 | 29°46'38 | 0♐19 | 11°37 | 17°23 | 11°30 | 22°59 | 6°16 | 3°48 | 7°25 | 13° 3 | 19°R22 | 20° 5 | 14°17 | 3° 4 | T 18 |
| F 19 | 22 10 10 | 0♍44'56 | 12°12 | 10°50 | 18°37 | 12° 9 | 23° 0 | 6°12 | 3°51 | 7°26 | 13° 5 | 19°22 | 20° 1 | 14°23 | 3°12 | F 19 |
| S 20 | 22 14 7 | 1°43'17 | 24° 7 | 9°58 | 19°51 | 12°48 | 23° 1 | 6° 7 | 3°55 | 7°28 | 13° 7 | 19°21 | 19°58 | 14°30 | 3°21 | S 20 |
| S 21 | 22 18 3 | 2°41'38 | 6♑ 6 | 9° 2 | 21° 5 | 13°27 | 23° 2 | 6° 3 | 3°58 | 7°30 | 13° 9 | 19°19 | 19°55 | 14°37 | 3°29 | S 21 |
| M22 | 22 22 0 | 3°40'02 | 18°14 | 8° 2 | 22°19 | 14° 6 | 23° 4 | 5°58 | 4° 1 | 7°32 | 13°11 | 19°17 | 19°52 | 14°43 | 3°37 | M22 |
| T 23 | 22 25 57 | 4°38'27 | 0♒35 | 7° 1 | 23°33 | 14°45 | 23° 5 | 5°53 | 4° 5 | 7°34 | 13°12 | 19°14 | 19°49 | 14°50 | 3°46 | T 23 |
| W24 | 22 29 53 | 5°36'54 | 13° 9 | 5°59 | 24°47 | 15°24 | 23° 7 | 5°49 | 4° 8 | 7°36 | 13°14 | 19°12 | 19°45 | 14°57 | 3°54 | W24 |
| T 25 | 22 33 50 | 6°35'23 | 26° 0 | 4°58 | 26° 1 | 16° 3 | 23° 9 | 5°44 | 4°12 | 7°38 | 13°16 | 19°11 | 19°42 | 15° 4 | 4° 3 | T 25 |
| F 26 | 22 37 46 | 7°33'53 | 9♓ 6 | 3°59 | 27°15 | 16°42 | 23°11 | 5°39 | 4°15 | 7°40 | 13°18 | 19°10 | 19°39 | 15°10 | 4°11 | F 26 |
| S 27 | 22 41 43 | 8°32'26 | 22°28 | 3° 3 | 28°29 | 17°21 | 23°13 | 5°35 | 4°19 | 7°42 | 13°20 | 19°D10 | 19°36 | 15°17 | 4°20 | S 27 |
| S 28 | 22 45 39 | 9°31'00 | 6♈ 3 | 2°13 | 29°44 | 18° 0 | 23°15 | 5°30 | 4°22 | 7°44 | 13°22 | 19°10 | 19°33 | 15°24 | 4°28 | S 28 |
| M29 | 22 49 36 | 10°29'37 | 19°51 | 1°29 | 0♎58 | 18°39 | 23°18 | 5°26 | 4°26 | 7°46 | 13°23 | 19°11 | 19°30 | 15°31 | 4°37 | M29 |
| T 30 | 22 53 32 | 11°28'16 | 3♉48 | 0°53 | 2°12 | 19°18 | 23°21 | 5°21 | 4°29 | 7°48 | 13°25 | 19°12 | 19°26 | 15°37 | 4°45 | T 30 |
| W31 | 22 57 29 | 12♍26'57 | 17♉53 | 0♍25 | 3♎26 | 19♍57 | 23♐24 | 5♓16 | 4♎33 | 7♎50 | 13♌27 | 19♓12 | 19♓23 | 15♐44 | 4♍53 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n55 | 5n27 | 1n47 | 5n29 | 2s27 | 14n 9 | 1n27 | 12n18 | 1n 2 | 23s27 | 0s 3 | 10s48 | 2s 9 | 0s34 | 0n40 | 1s13 | 1n42 | 26n46 | 10n 3 | 4s 8 | 3s36 | 27s27 | 6n41 | 4s55 |
| T 2 | 16 38 | 11 43 | 2 53 | 5 3 | 2 38 | 13 44 | 1 27 | 12 4 | 1 1 | 23 27 | 0 3 | 10 50 | 2 9 | 0 35 | 0 40 | 1 13 | 1 42 | 26 45 | 10 3 | 4 8 | 3 37 | 27 28 | 6 38 | 4 55 |
| W 3 | 16 21 | 17 33 | 3 50 | 4 38 | 2 48 | 13 18 | 1 26 | 11 49 | 1 1 | 23 27 | 0 4 | 10 51 | 2 10 | 0 36 | 0 40 | 1 14 | 1 42 | 26 45 | 10 3 | 4 7 | 3 38 | 27 29 | 6 36 | 4 55 |
| T 4 | 16 4 | 22 32 | 4 34 | 4 15 | 2 58 | 12 51 | 1 26 | 11 35 | 1 1 | 23 27 | 0 4 | 10 53 | 2 10 | 0 37 | 0 40 | 1 14 | 1 42 | 26 44 | 10 3 | 4 7 | 3 40 | 27 30 | 6 33 | 4 54 |
| F 5 | 15 46 | 26 16 | 5 2 | 3 54 | 3 8 | 12 24 | 1 26 | 11 21 | 1 0 | 23 28 | 0 4 | 10 55 | 2 10 | 0 39 | 0 40 | 1 15 | 1 42 | 26 44 | 10 3 | 4 8 | 3 41 | 27 31 | 6 30 | 4 54 |
| S 6 | 15 29 | 28 22 | 5 12 | 3 35 | 3 18 | 11 57 | 1 25 | 11 7 | 1 0 | 23 28 | 0 4 | 10 56 | 2 10 | 0 40 | 0 40 | 1 16 | 1 42 | 26 43 | 10 3 | 4 9 | 3 42 | 27 32 | 6 28 | 4 54 |
| S 7 | 15 11 | 28 32 | 5 2 | 3 17 | 3 27 | 11 29 | 1 25 | 10 52 | 1 0 | 23 28 | 0 4 | 10 58 | 2 10 | 0 41 | 0 40 | 1 17 | 1 42 | 26 43 | 10 4 | 4 10 | 3 43 | 27 33 | 6 25 | 4 54 |
| M 8 | 14 52 | 26 44 | 4 32 | 3 2 | 3 36 | 11 2 | 1 24 | 10 38 | 0 59 | 23 28 | 0 4 | 11 0 | 2 10 | 0 42 | 0 40 | 1 17 | 1 42 | 26 42 | 10 4 | 4 12 | 3 45 | 27 34 | 6 22 | 4 53 |
| T 9 | 14 34 | 23 12 | 3 46 | 2 50 | 3 44 | 10 33 | 1 23 | 10 23 | 0 59 | 23 28 | 0 4 | 11 2 | 2 10 | 0 43 | 0 40 | 1 18 | 1 42 | 26 42 | 10 4 | 4 13 | 3 46 | 27 35 | 6 20 | 4 53 |
| W10 | 14 15 | 18 17 | 2 45 | 2 40 | 3 52 | 10 5 | 1 23 | 10 9 | 0 59 | 23 28 | 0 4 | 11 3 | 2 11 | 0 45 | 0 40 | 1 19 | 1 41 | 26 41 | 10 4 | 4 15 | 3 47 | 27 36 | 6 17 | 4 53 |
| T 11 | 13 56 | 12 29 | 1 36 | 2 33 | 3 59 | 9 36 | 1 22 | 9 54 | 0 58 | 23 28 | 0 5 | 11 5 | 2 11 | 0 46 | 0 40 | 1 19 | 1 41 | 26 41 | 10 4 | 4 16 | 3 48 | 27 37 | 6 14 | 4 53 |
| F 12 | 13 37 | 6 13 | 0 23 | 2 28 | 4 5 | 9 8 | 1 21 | 9 39 | 0 58 | 23 28 | 0 5 | 11 7 | 2 11 | 0 47 | 0 40 | 1 20 | 1 41 | 26 40 | 10 4 | 4 16 | 3 50 | 27 38 | 6 11 | 4 53 |
| S 13 | 13 17 | 0s 9 | 0s50 | 2 27 | 4 10 | 8 38 | 1 20 | 9 24 | 0 58 | 23 28 | 0 5 | 11 9 | 2 11 | 0 49 | 0 40 | 1 21 | 1 41 | 26 40 | 10 4 | 4 16 | 3 51 | 27 39 | 6 9 | 4 52 |
| S 14 | 12 58 | 6 20 | 1 59 | 2 30 | 4 15 | 8 9 | 1 19 | 9 9 | 0 57 | 23 28 | 0 5 | 11 10 | 2 11 | 0 50 | 0 40 | 1 21 | 1 41 | 26 39 | 10 4 | 4 16 | 3 52 | 27 40 | 6 6 | 4 52 |
| M15 | 12 38 | 12 7 | 2 59 | 2 36 | 4 18 | 7 39 | 1 18 | 8 54 | 0 57 | 23 28 | 0 5 | 11 12 | 2 11 | 0 51 | 0 39 | 1 22 | 1 41 | 26 39 | 10 5 | 4 15 | 3 53 | 27 41 | 6 3 | 4 52 |
| T 16 | 12 18 | 17 18 | 3 50 | 2 46 | 4 19 | 7 10 | 1 17 | 8 39 | 0 57 | 23 28 | 0 5 | 11 14 | 2 11 | 0 52 | 0 39 | 1 23 | 1 41 | 26 39 | 10 5 | 4 14 | 3 55 | 27 42 | 6 0 | 4 52 |
| W17 | 11 57 | 21 43 | 4 30 | 2 59 | 4 19 | 6 40 | 1 16 | 8 24 | 0 56 | 23 29 | 0 5 | 11 16 | 2 11 | 0 54 | 0 39 | 1 24 | 1 41 | 26 38 | 10 5 | 4 14 | 3 56 | 27 43 | 5 57 | 4 52 |
| T 18 | 11 37 | 25 11 | 4 58 | 3 16 | 4 18 | 6 9 | 1 14 | 8 9 | 0 56 | 23 29 | 0 5 | 11 18 | 2 11 | 0 55 | 0 39 | 1 24 | 1 41 | 26 38 | 10 5 | 4 14 | 3 57 | 27 44 | 5 54 | 4 52 |
| F 19 | 11 16 | 27 33 | 5 13 | 3 37 | 4 15 | 5 39 | 1 13 | 7 54 | 0 55 | 23 29 | 0 5 | 11 19 | 2 11 | 0 56 | 0 39 | 1 25 | 1 41 | 26 37 | 10 5 | 4 14 | 3 58 | 27 44 | 5 52 | 4 51 |
| S 20 | 10 55 | 28 40 | 5 14 | 4 2 | 4 9 | 5 8 | 1 12 | 7 38 | 0 55 | 23 29 | 0 6 | 11 21 | 2 12 | 0 58 | 0 39 | 1 26 | 1 41 | 26 37 | 10 5 | 4 14 | 4 0 | 27 45 | 5 49 | 4 51 |
| S 21 | 10 34 | 28 27 | 5 2 | 4 29 | 4 2 | 4 38 | 1 10 | 7 23 | 0 55 | 23 29 | 0 6 | 11 23 | 2 12 | 0 59 | 0 39 | 1 27 | 1 41 | 26 37 | 10 5 | 4 15 | 4 1 | 27 46 | 5 46 | 4 51 |
| M22 | 10 13 | 26 53 | 4 36 | 5 0 | 3 53 | 4 7 | 1 9 | 7 8 | 0 54 | 23 29 | 0 6 | 11 25 | 2 12 | 1 0 | 0 39 | 1 28 | 1 41 | 26 36 | 10 6 | 4 16 | 4 2 | 27 47 | 5 43 | 4 51 |
| T 23 | 9 52 | 24 0 | 3 57 | 5 33 | 3 42 | 3 36 | 1 7 | 6 52 | 0 54 | 23 30 | 0 6 | 11 27 | 2 12 | 1 2 | 0 39 | 1 28 | 1 41 | 26 36 | 10 6 | 4 17 | 4 3 | 27 48 | 5 40 | 4 51 |
| W24 | 9 30 | 19 56 | 3 6 | 6 8 | 3 29 | 3 5 | 1 6 | 6 37 | 0 53 | 23 30 | 0 6 | 11 28 | 2 12 | 1 3 | 0 39 | 1 29 | 1 41 | 26 35 | 10 6 | 4 18 | 4 5 | 27 49 | 5 37 | 4 51 |
| T 25 | 9 9 | 14 53 | 2 5 | 6 44 | 3 14 | 2 34 | 1 4 | 6 21 | 0 53 | 23 30 | 0 6 | 11 30 | 2 12 | 1 5 | 0 39 | 1 30 | 1 41 | 26 35 | 10 6 | 4 18 | 4 6 | 27 50 | 5 34 | 4 51 |
| F 26 | 8 47 | 9 3 | 0 55 | 7 20 | 2 58 | 2 3 | 1 2 | 6 5 | 0 53 | 23 30 | 0 6 | 11 32 | 2 12 | 1 6 | 0 39 | 1 31 | 1 41 | 26 35 | 10 6 | 4 19 | 4 7 | 27 51 | 5 31 | 4 51 |
| S 27 | 8 25 | 2 44 | 0n18 | 7 57 | 2 41 | 1 32 | 1 0 | 5 50 | 0 52 | 23 30 | 0 6 | 11 34 | 2 12 | 1 7 | 0 39 | 1 32 | 1 41 | 26 34 | 10 7 | 4 19 | 4 8 | 27 51 | 5 28 | 4 50 |
| S 28 | 8 3 | 3n50 | 1 32 | 8 32 | 2 22 | 1 0 | 0 59 | 5 34 | 0 52 | 23 31 | 0 6 | 11 35 | 2 12 | 1 9 | 0 39 | 1 32 | 1 41 | 26 34 | 10 7 | 4 19 | 4 10 | 27 52 | 5 25 | 4 50 |
| M29 | 7 41 | 10 18 | 2 42 | 9 6 | 2 3 | 0 29 | 0 57 | 5 18 | 0 52 | 23 31 | 0 7 | 11 37 | 2 12 | 1 10 | 0 39 | 1 33 | 1 41 | 26 34 | 10 7 | 4 18 | 4 11 | 27 53 | 5 22 | 4 50 |
| T 30 | 7 18 | 16 21 | 3 43 | 9 37 | 1 43 | 0s 2 | 0 55 | 5 2 | 0 51 | 23 31 | 0 7 | 11 39 | 2 12 | 1 12 | 0 39 | 1 34 | 1 41 | 26 33 | 10 7 | 4 18 | 4 12 | 27 54 | 5 19 | 4 50 |
| W31 | 6n56 | 21n35 | 4n31 | 10n 5 | 1s23 | 0s34 | 0n53 | 4n47 | 0n51 | 23s31 | 0s 7 | 11s41 | 2s12 | 1s13 | 0n39 | 1s35 | 1n41 | 26n33 | 10n 7 | 4s18 | 4s13 | 27s55 | 5n16 | 4s50 |

Julian Day Number = 2073371.5, Delta T = 27m28s
Ecliptic obliquity = 23°34'33, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'36, Lahiri = 9°25'36 Julian Calendar 1 Aug. 964 == Greg. Calendar 6 Aug. 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## SEPTEMBER 964 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 1 25 | 13♍25'41 | 2♊ 4 | 0°R 7 | 4♎40 | 20♍36 | 23♐27 | 5°R12 | 4♎36 | 7♎52 | 13♌29 | 19♓13 | 19♓20 | 15♐51 | 5♍ 2 | T 1 |
| F 2 | 23 5 22 | 14°24'27 | 16°16 | 29°D58 | 5°54 | 21°16 | 23°30 | 5♓ 7 | 4°40 | 7°54 | 13°30 | 19°R13 | 19°17 | 15°57 | 5°10 | F 2 |
| S 3 | 23 9 19 | 15°23'15 | 0♋30 | 29♌59 | 7° 8 | 21°55 | 23°34 | 5° 3 | 4°43 | 7°56 | 13°32 | 19°13 | 19°14 | 16° 4 | 5°19 | S 3 |
| S 4 | 23 13 15 | 16°22'06 | 14°41 | 0♍10 | 8°22 | 22°34 | 23°38 | 4°58 | 4°47 | 7°58 | 13°34 | 19°12 | 19°10 | 16°11 | 5°27 | S 4 |
| M 5 | 23 17 12 | 17°20'59 | 28°47 | 0°31 | 9°36 | 23°14 | 23°42 | 4°54 | 4°51 | 8° 1 | 13°35 | 19°12 | 19° 7 | 16°18 | 5°35 | M 5 |
| T 6 | 23 21 8 | 18°19'54 | 12♌46 | 1° 1 | 10°50 | 23°53 | 23°46 | 4°49 | 4°54 | 8° 3 | 13°37 | 19°12 | 19° 4 | 16°24 | 5°44 | T 6 |
| W 7 | 23 25 5 | 19°18'51 | 26°34 | 1°41 | 12° 4 | 24°33 | 23°50 | 4°45 | 4°58 | 8° 5 | 13°39 | 19°D12 | 19° 1 | 16°31 | 5°52 | W 7 |
| T 8 | 23 29 1 | 20°17'51 | 10♍ 9 | 2°29 | 13°18 | 25°12 | 23°54 | 4°40 | 5° 2 | 8° 7 | 13°40 | 19°12 | 18°58 | 16°38 | 6° 0 | T 8 |
| F 9 | 23 32 58 | 21°16'53 | 23°30 | 3°25 | 14°32 | 25°52 | 23°59 | 4°36 | 5° 5 | 8° 9 | 13°42 | 19°R12 | 18°55 | 16°44 | 6° 9 | F 9 |
| S 10 | 23 36 54 | 22°15'56 | 6♎34 | 4°28 | 15°46 | 26°31 | 24° 4 | 4°32 | 5° 9 | 8°11 | 13°43 | 19°12 | 18°51 | 16°51 | 6°17 | S 10 |
| S 11 | 23 40 51 | 23°15'02 | 19°21 | 5°38 | 17° 0 | 27°11 | 24° 9 | 4°28 | 5°13 | 8°14 | 13°45 | 19°12 | 18°48 | 16°58 | 6°25 | S 11 |
| M12 | 23 44 48 | 24°14'10 | 1♏52 | 6°54 | 18°14 | 27°51 | 24°14 | 4°23 | 5°17 | 8°16 | 13°47 | 19°11 | 18°45 | 17° 5 | 6°34 | M12 |
| T 13 | 23 48 44 | 25°13'20 | 14° 9 | 8°16 | 19°28 | 28°30 | 24°19 | 4°19 | 5°20 | 8°18 | 13°48 | 19°10 | 18°42 | 17°11 | 6°42 | T 13 |
| W14 | 23 52 41 | 26°12'31 | 26°14 | 9°41 | 20°42 | 29°10 | 24°25 | 4°15 | 5°24 | 8°20 | 13°50 | 19° 9 | 18°39 | 17°18 | 6°50 | W14 |
| T 15 | 23 56 37 | 27°11'45 | 8♐12 | 11°11 | 21°56 | 29°50 | 24°30 | 4°11 | 5°28 | 8°22 | 13°51 | 19° 9 | 18°36 | 17°25 | 6°58 | T 15 |
| F 16 | 0 0 34 | 28°11'00 | 20° 5 | 12°44 | 23°10 | 0♎30 | 24°36 | 4° 7 | 5°31 | 8°24 | 13°53 | 19° 8 | 18°32 | 17°32 | 7° 6 | F 16 |
| S 17 | 0 4 30 | 29°10'17 | 1♑58 | 14°20 | 24°24 | 1° 9 | 24°42 | 4° 3 | 5°35 | 8°27 | 13°54 | 19°D 8 | 18°29 | 17°38 | 7°14 | S 17 |
| S 18 | 0 8 27 | 0♎ 9'37 | 13°57 | 15°58 | 25°38 | 1°49 | 24°48 | 3°59 | 5°39 | 8°29 | 13°56 | 19° 8 | 18°26 | 17°45 | 7°22 | S 18 |
| M19 | 0 12 23 | 1° 8'57 | 26° 5 | 17°37 | 26°52 | 2°29 | 24°54 | 3°55 | 5°43 | 8°31 | 13°57 | 19° 9 | 18°23 | 17°52 | 7°31 | M19 |
| T 20 | 0 16 20 | 2° 8'20 | 8♒27 | 19°18 | 28° 6 | 3° 9 | 25° 1 | 3°51 | 5°47 | 8°33 | 13°58 | 19°10 | 18°20 | 17°58 | 7°39 | T 20 |
| W21 | 0 20 17 | 3° 7'45 | 21° 7 | 21° 1 | 29°20 | 3°49 | 25° 7 | 3°48 | 5°50 | 8°36 | 14° 0 | 19°12 | 18°16 | 18° 5 | 7°47 | W21 |
| T 22 | 0 24 13 | 4° 7'11 | 4♓ 7 | 22°44 | 0♏34 | 4°29 | 25°14 | 3°44 | 5°54 | 8°38 | 14° 1 | 19°13 | 18°13 | 18°12 | 7°55 | T 22 |
| F 23 | 0 28 10 | 5° 6'39 | 17°28 | 24°27 | 1°47 | 5° 9 | 25°21 | 3°40 | 5°58 | 8°40 | 14° 3 | 19°R13 | 18°10 | 18°19 | 8° 3 | F 23 |
| S 24 | 0 32 6 | 6° 6'10 | 1♈11 | 26°11 | 3° 1 | 5°49 | 25°28 | 3°37 | 6° 2 | 8°42 | 14° 4 | 19°13 | 18° 7 | 18°25 | 8°10 | S 24 |
| S 25 | 0 36 3 | 7° 5'42 | 15°13 | 27°55 | 4°15 | 6°29 | 25°35 | 3°33 | 6° 5 | 8°45 | 14° 5 | 19°12 | 18° 4 | 18°32 | 8°18 | S 25 |
| M26 | 0 39 59 | 8° 5'17 | 29°29 | 29°39 | 5°29 | 7° 9 | 25°43 | 3°30 | 6° 9 | 8°47 | 14° 7 | 19° 9 | 18° 1 | 18°39 | 8°26 | M26 |
| T 27 | 0 43 56 | 9° 4'53 | 13♉55 | 1♎22 | 6°43 | 7°50 | 25°50 | 3°27 | 6°13 | 8°49 | 14° 8 | 19° 7 | 17°57 | 18°46 | 8°34 | T 27 |
| W28 | 0 47 52 | 10° 4'32 | 28°26 | 3° 6 | 7°57 | 8°30 | 25°58 | 3°23 | 6°17 | 8°51 | 14° 9 | 19° 4 | 17°54 | 18°52 | 8°42 | W28 |
| T 29 | 0 51 49 | 11° 4'14 | 12♊55 | 4°49 | 9°10 | 9°10 | 26° 5 | 3°20 | 6°21 | 8°54 | 14°10 | 19° 2 | 17°51 | 18°59 | 8°49 | T 29 |
| F 30 | 0 55 46 | 12♎ 3'58 | 27♊17 | 6♎32 | 10♏24 | 9♎51 | 26♐13 | 3♓17 | 6♎24 | 8♎56 | 14♌11 | 19♓ 0 | 17♓48 | 19♐ 6 | 8♍57 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n33 | 25n38 | 5n 3 | 10n30 | 1s 4 | 1s 5 | 0n51 | 4n31 | 0n50 | 23s32 | 0s 7 | 11s42 | 2s12 | 1s15 | 0n39 | 1s36 | 1n41 | 26n33 | 10n 8 | 4s18 | 4s15 | 27s55 | 5n13 | 4s50 |
| F 2 | 6 10 | 28 6 | 5 16 | 10 51 | 0 44 | 1 37 | 0 49 | 4 15 | 0 50 | 23 32 | 0 7 | 11 44 | 2 12 | 1 16 | 0 39 | 1 37 | 1 41 | 26 32 | 10 8 | 4 18 | 4 16 | 27 56 | 5 10 | 4 50 |
| S 3 | 5 47 | 28 45 | 5 11 | 11 8 | 0 26 | 2 8 | 0 47 | 3 59 | 0 50 | 23 32 | 0 7 | 11 46 | 2 12 | 1 17 | 0 39 | 1 37 | 1 41 | 26 32 | 10 8 | 4 18 | 4 17 | 27 57 | 5 7 | 4 50 |
| S 4 | 5 25 | 27 30 | 4 46 | 11 21 | 0 8 | 2 39 | 0 44 | 3 43 | 0 49 | 23 32 | 0 7 | 11 47 | 2 12 | 1 19 | 0 39 | 1 38 | 1 41 | 26 32 | 10 8 | 4 18 | 4 18 | 27 58 | 5 4 | 4 50 |
| M 5 | 5 2 | 24 30 | 4 4 | 11 29 | 0n 9 | 3 11 | 0 42 | 3 27 | 0 49 | 23 33 | 0 7 | 11 49 | 2 12 | 1 20 | 0 39 | 1 39 | 1 41 | 26 31 | 10 8 | 4 18 | 4 20 | 27 59 | 5 1 | 4 50 |
| T 6 | 4 38 | 20 5 | 3 8 | 11 33 | 0 24 | 3 42 | 0 40 | 3 11 | 0 48 | 23 33 | 0 7 | 11 51 | 2 12 | 1 22 | 0 39 | 1 40 | 1 41 | 26 31 | 10 9 | 4 18 | 4 21 | 27 59 | 4 58 | 4 50 |
| W 7 | 4 15 | 14 39 | 2 2 | 11 33 | 0 39 | 4 13 | 0 37 | 2 55 | 0 48 | 23 33 | 0 7 | 11 52 | 2 12 | 1 23 | 0 39 | 1 41 | 1 41 | 26 31 | 10 9 | 4 18 | 4 22 | 28 0 | 4 55 | 4 50 |
| T 8 | 3 52 | 8 34 | 0 50 | 11 28 | 0 52 | 4 44 | 0 35 | 2 38 | 0 47 | 23 34 | 0 8 | 11 54 | 2 12 | 1 25 | 0 39 | 1 42 | 1 41 | 26 31 | 10 9 | 4 18 | 4 23 | 28 1 | 4 52 | 4 50 |
| F 9 | 3 29 | 2 14 | 0s24 | 11 18 | 1 4 | 5 16 | 0 33 | 2 22 | 0 47 | 23 34 | 0 8 | 11 56 | 2 12 | 1 26 | 0 39 | 1 43 | 1 41 | 26 30 | 10 9 | 4 18 | 4 25 | 28 2 | 4 49 | 4 50 |
| S 10 | 3 5 | 4s 4 | 1 35 | 11 5 | 1 14 | 5 46 | 0 30 | 2 6 | 0 47 | 23 34 | 0 8 | 11 57 | 2 12 | 1 28 | 0 39 | 1 43 | 1 41 | 26 30 | 10 10 | 4 18 | 4 26 | 28 2 | 4 46 | 4 50 |
| S 11 | 2 42 | 10 4 | 2 39 | 10 48 | 1 24 | 6 17 | 0 28 | 1 50 | 0 46 | 23 35 | 0 8 | 11 59 | 2 12 | 1 29 | 0 39 | 1 44 | 1 41 | 26 30 | 10 10 | 4 18 | 4 27 | 28 3 | 4 43 | 4 50 |
| M12 | 2 18 | 15 33 | 3 35 | 10 27 | 1 32 | 6 48 | 0 25 | 1 34 | 0 46 | 23 35 | 0 8 | 12 0 | 2 12 | 1 31 | 0 39 | 1 45 | 1 41 | 26 30 | 10 10 | 4 18 | 4 28 | 28 4 | 4 40 | 4 50 |
| T 13 | 1 55 | 20 18 | 4 19 | 10 2 | 1 39 | 7 19 | 0 23 | 1 17 | 0 45 | 23 35 | 0 8 | 12 2 | 2 12 | 1 32 | 0 39 | 1 46 | 1 41 | 26 29 | 10 10 | 4 19 | 4 30 | 28 4 | 4 37 | 4 50 |
| W14 | 1 31 | 24 8 | 4 52 | 9 35 | 1 44 | 7 49 | 0 20 | 1 1 | 0 45 | 23 36 | 0 8 | 12 3 | 2 12 | 1 34 | 0 39 | 1 47 | 1 41 | 26 29 | 10 11 | 4 19 | 4 31 | 28 5 | 4 34 | 4 50 |
| T 15 | 1 7 | 26 54 | 5 11 | 9 5 | 1 49 | 8 19 | 0 18 | 0 45 | 0 44 | 23 36 | 0 8 | 12 5 | 2 12 | 1 35 | 0 39 | 1 48 | 1 41 | 26 29 | 10 11 | 4 19 | 4 32 | 28 6 | 4 31 | 4 50 |
| F 16 | 0 44 | 28 28 | 5 16 | 8 32 | 1 52 | 8 49 | 0 15 | 0 28 | 0 44 | 23 36 | 0 8 | 12 6 | 2 12 | 1 37 | 0 39 | 1 49 | 1 41 | 26 29 | 10 11 | 4 19 | 4 33 | 28 6 | 4 28 | 4 50 |
| S 17 | 0 20 | 28 42 | 5 9 | 7 58 | 1 54 | 9 19 | 0 12 | 0 12 | 0 44 | 23 37 | 0 8 | 12 8 | 2 12 | 1 38 | 0 39 | 1 50 | 1 41 | 26 29 | 10 12 | 4 19 | 4 35 | 28 7 | 4 25 | 4 50 |
| S 18 | 0s 4 | 27 36 | 4 47 | 7 21 | 1 56 | 9 49 | 0 10 | 0s 4 | 0 43 | 23 37 | 0 9 | 12 9 | 2 12 | 1 40 | 0 39 | 1 50 | 1 41 | 26 28 | 10 12 | 4 19 | 4 36 | 28 8 | 4 22 | 4 50 |
| M19 | 0 28 | 25 12 | 4 13 | 6 42 | 1 57 | 10 18 | 0 7 | 0 21 | 0 43 | 23 37 | 0 9 | 12 10 | 2 12 | 1 41 | 0 39 | 1 51 | 1 41 | 26 28 | 10 12 | 4 19 | 4 37 | 28 8 | 4 19 | 4 50 |
| T 20 | 0 51 | 21 34 | 3 27 | 6 2 | 1 56 | 10 48 | 0 4 | 0 37 | 0 42 | 23 38 | 0 9 | 12 12 | 2 12 | 1 43 | 0 39 | 1 52 | 1 41 | 26 28 | 10 12 | 4 19 | 4 38 | 28 9 | 4 16 | 4 50 |
| W21 | 1 15 | 16 54 | 2 29 | 5 21 | 1 56 | 11 17 | 0 1 | 0 53 | 0 42 | 23 38 | 0 9 | 12 13 | 2 12 | 1 44 | 0 39 | 1 53 | 1 41 | 26 28 | 10 13 | 4 18 | 4 40 | 28 10 | 4 13 | 4 50 |
| T 22 | 1 39 | 11 20 | 1 22 | 4 39 | 1 54 | 11 45 | 0s 1 | 1 10 | 0 41 | 23 38 | 0 9 | 12 14 | 2 12 | 1 46 | 0 39 | 1 54 | 1 41 | 26 28 | 10 13 | 4 18 | 4 41 | 28 10 | 4 10 | 4 50 |
| F 23 | 2 3 | 5 7 | 0 10 | 3 56 | 1 52 | 12 14 | 0 4 | 1 26 | 0 41 | 23 39 | 0 9 | 12 15 | 2 12 | 1 47 | 0 39 | 1 55 | 1 41 | 26 28 | 10 13 | 4 17 | 4 42 | 28 11 | 4 7 | 4 50 |
| S 24 | 2 26 | 1n29 | 1n 6 | 3 12 | 1 49 | 12 42 | 0 7 | 1 42 | 0 40 | 23 39 | 0 9 | 12 17 | 2 11 | 1 49 | 0 39 | 1 56 | 1 41 | 26 28 | 10 14 | 4 18 | 4 43 | 28 12 | 4 4 | 4 51 |
| S 25 | 2 50 | 8 9 | 2 18 | 2 27 | 1 46 | 13 10 | 0 10 | 1 59 | 0 40 | 23 39 | 0 9 | 12 18 | 2 11 | 1 50 | 0 39 | 1 57 | 1 41 | 26 27 | 10 14 | 4 18 | 4 45 | 28 12 | 4 1 | 4 51 |
| M26 | 3 14 | 14 32 | 3 24 | 1 42 | 1 42 | 13 37 | 0 13 | 2 15 | 0 39 | 23 40 | 0 9 | 12 19 | 2 11 | 1 52 | 0 39 | 1 57 | 1 41 | 26 27 | 10 14 | 4 19 | 4 46 | 28 13 | 3 58 | 4 51 |
| T 27 | 3 37 | 20 12 | 4 17 | 0 57 | 1 38 | 14 5 | 0 16 | 2 32 | 0 39 | 23 40 | 0 9 | 12 20 | 2 11 | 1 53 | 0 39 | 1 58 | 1 41 | 26 27 | 10 15 | 4 20 | 4 47 | 28 13 | 3 55 | 4 51 |
| W28 | 4 1 | 24 42 | 4 54 | 0 12 | 1 34 | 14 32 | 0 18 | 2 48 | 0 39 | 23 40 | 0 9 | 12 21 | 2 11 | 1 55 | 0 39 | 1 59 | 1 41 | 26 27 | 10 15 | 4 21 | 4 48 | 28 14 | 3 52 | 4 51 |
| T 29 | 4 24 | 27 38 | 5 12 | 0s34 | 1 29 | 14 58 | 0 21 | 3 4 | 0 38 | 23 41 | 0 10 | 12 22 | 2 11 | 1 56 | 0 39 | 2 0 | 1 41 | 26 27 | 10 15 | 4 22 | 4 50 | 28 15 | 3 49 | 4 51 |
| F 30 | 4s48 | 28n44 | 5n11 | 1s20 | 1n24 | 15s24 | 0s24 | 3s21 | 0n38 | 23s41 | 0s10 | 12s23 | 2s11 | 1s58 | 0n39 | 2s 1 | 1n41 | 26n27 | 10n15 | 4s23 | 4s51 | 28s15 | 3n46 | 4s51 |

Julian Day Number = 2073402.5, Delta T = 27m28s
Ecliptic obliquity = 23°34'33, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'40, Lahiri = 9°25'41 Julian Calendar 1 Sept. 964 == Greg. Calendar 6 Sept. 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## OCTOBER 964 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 59 42 | 13♎ 3'44 | 11♋30 | 8♎15 | 11♏38 | 10♎31 | 26♐21 | 3°R14 | 6♎28 | 8♎58 | 14♌13 | 18°D59 | 17♓45 | 19♐12 | 9♍ 5 | S 1 |
| S 2 | 1 3 39 | 14° 3'32 | 25°31 | 9°57 | 12°52 | 11°11 | 26°30 | 3♓11 | 6°32 | 9° 0 | 14°14 | 19♓ 0 | 17°42 | 19°19 | 9°12 | S 2 |
| M 3 | 1 7 35 | 15° 3'23 | 9♌19 | 11°38 | 14° 5 | 11°52 | 26°38 | 3° 8 | 6°36 | 9° 2 | 14°15 | 19° 1 | 17°38 | 19°26 | 9°20 | M 3 |
| T 4 | 1 11 32 | 16° 3'16 | 22°54 | 13°19 | 15°19 | 12°32 | 26°46 | 3° 6 | 6°39 | 9° 5 | 14°16 | 19° 2 | 17°35 | 19°33 | 9°27 | T 4 |
| W 5 | 1 15 28 | 17° 3'11 | 6♍16 | 15° 0 | 16°33 | 13°13 | 26°55 | 3° 3 | 6°43 | 9° 7 | 14°17 | 19° 4 | 17°32 | 19°39 | 9°35 | W 5 |
| T 6 | 1 19 25 | 18° 3'08 | 19°26 | 16°40 | 17°47 | 13°53 | 27° 4 | 3° 0 | 6°47 | 9° 9 | 14°18 | 19°R 4 | 17°29 | 19°46 | 9°42 | T 6 |
| F 7 | 1 23 21 | 19° 3'07 | 2♎23 | 18°19 | 19° 0 | 14°34 | 27°12 | 2°58 | 6°50 | 9°11 | 14°19 | 19° 4 | 17°26 | 19°53 | 9°50 | F 7 |
| S 8 | 1 27 18 | 20° 3'09 | 15° 8 | 19°58 | 20°14 | 15°15 | 27°21 | 2°55 | 6°54 | 9°14 | 14°20 | 19° 1 | 17°22 | 19°59 | 9°57 | S 8 |
| S 9 | 1 31 15 | 21° 3'12 | 27°42 | 21°37 | 21°28 | 15°55 | 27°31 | 2°53 | 6°58 | 9°16 | 14°21 | 18°57 | 17°19 | 20° 6 | 10° 4 | S 9 |
| M10 | 1 35 11 | 22° 3'17 | 10♏ 3 | 23°15 | 22°41 | 16°36 | 27°40 | 2°51 | 7° 2 | 9°18 | 14°22 | 18°52 | 17°16 | 20°13 | 10°11 | M10 |
| T 11 | 1 39 8 | 23° 3'25 | 22°15 | 24°52 | 23°55 | 17°17 | 27°49 | 2°49 | 7° 5 | 9°20 | 14°23 | 18°45 | 17°13 | 20°20 | 10°18 | T 11 |
| W12 | 1 43 4 | 24° 3'34 | 4♐17 | 26°29 | 25° 9 | 17°58 | 27°59 | 2°47 | 7° 9 | 9°22 | 14°24 | 18°39 | 17°10 | 20°26 | 10°26 | W12 |
| T 13 | 1 47 1 | 25° 3'44 | 16°13 | 28° 6 | 26°22 | 18°38 | 28° 8 | 2°45 | 7°13 | 9°25 | 14°25 | 18°33 | 17° 7 | 20°33 | 10°33 | T 13 |
| F 14 | 1 50 57 | 26° 3'57 | 28° 4 | 29°42 | 27°36 | 19°19 | 28°18 | 2°43 | 7°16 | 9°27 | 14°25 | 18°28 | 17° 3 | 20°40 | 10°40 | F 14 |
| S 15 | 1 54 54 | 27° 4'11 | 9♑56 | 1♏18 | 28°49 | 20° 0 | 28°28 | 2°41 | 7°20 | 9°29 | 14°26 | 18°24 | 17° 0 | 20°47 | 10°46 | S 15 |
| S 16 | 1 58 50 | 28° 4'27 | 21°51 | 2°53 | 0♐ 3 | 20°41 | 28°38 | 2°39 | 7°23 | 9°31 | 14°27 | 18°23 | 16°57 | 20°53 | 10°53 | S 16 |
| M17 | 2 2 47 | 29° 4'44 | 3♒56 | 4°28 | 1°16 | 21°22 | 28°48 | 2°38 | 7°27 | 9°33 | 14°28 | 18°D23 | 16°54 | 21° 0 | 11° 0 | M17 |
| T 18 | 2 6 44 | 0♏ 5'02 | 16°15 | 6° 2 | 2°30 | 22° 3 | 28°58 | 2°37 | 7°31 | 9°35 | 14°29 | 18°24 | 16°51 | 21° 7 | 11° 7 | T 18 |
| W19 | 2 10 40 | 1° 5'22 | 28°52 | 7°36 | 3°43 | 22°44 | 29° 8 | 2°35 | 7°34 | 9°37 | 14°29 | 18°25 | 16°48 | 21°13 | 11°13 | W19 |
| T 20 | 2 14 37 | 2° 5'44 | 11♓52 | 9°10 | 4°57 | 23°26 | 29°19 | 2°34 | 7°38 | 9°40 | 14°30 | 18°R26 | 16°44 | 21°20 | 11°20 | T 20 |
| F 21 | 2 18 33 | 3° 6'07 | 25°18 | 10°44 | 6°10 | 24° 7 | 29°29 | 2°33 | 7°41 | 9°42 | 14°31 | 18°26 | 16°41 | 21°27 | 11°26 | F 21 |
| S 22 | 2 22 30 | 4° 6'31 | 9♈11 | 12°17 | 7°24 | 24°48 | 29°40 | 2°32 | 7°45 | 9°44 | 14°31 | 18°24 | 16°38 | 21°34 | 11°33 | S 22 |
| S 23 | 2 26 26 | 5° 6'58 | 23°30 | 13°50 | 8°37 | 25°29 | 29°50 | 2°31 | 7°48 | 9°46 | 14°32 | 18°20 | 16°35 | 21°40 | 11°39 | S 23 |
| M24 | 2 30 23 | 6° 7'25 | 8♉10 | 15°22 | 9°50 | 26°10 | 0♑ 1 | 2°30 | 7°52 | 9°48 | 14°32 | 18°14 | 16°32 | 21°47 | 11°46 | M24 |
| T 25 | 2 34 19 | 7° 7'55 | 23° 4 | 16°55 | 11° 4 | 26°52 | 0°12 | 2°29 | 7°55 | 9°50 | 14°33 | 18° 7 | 16°28 | 21°54 | 11°52 | T 25 |
| W26 | 2 38 16 | 8° 8'26 | 8♊ 3 | 18°27 | 12°17 | 27°33 | 0°23 | 2°29 | 7°58 | 9°52 | 14°33 | 17°59 | 16°25 | 22° 1 | 11°58 | W26 |
| T 27 | 2 42 13 | 9° 8'59 | 22°58 | 19°59 | 13°30 | 28°15 | 0°34 | 2°28 | 8° 2 | 9°54 | 14°34 | 17°51 | 16°22 | 22° 7 | 12° 4 | T 27 |
| F 28 | 2 46 9 | 10° 9'34 | 7♋41 | 21°30 | 14°44 | 28°56 | 0°45 | 2°28 | 8° 5 | 9°56 | 14°34 | 17°45 | 16°19 | 22°14 | 12°10 | F 28 |
| S 29 | 2 50 6 | 11°10'11 | 22° 6 | 23° 1 | 15°57 | 29°38 | 0°57 | 2°27 | 8° 9 | 9°58 | 14°35 | 17°41 | 16°16 | 22°21 | 12°16 | S 29 |
| S 30 | 2 54 2 | 12°10'49 | 6♌10 | 24°32 | 17°10 | 0♏19 | 1° 8 | 2°27 | 8°12 | 10° 0 | 14°35 | 17°40 | 16°13 | 22°27 | 12°22 | S 30 |
| M31 | 2 57 59 | 13♏11'29 | 19♌52 | 26♏ 3 | 18♐23 | 1♏ 1 | 1♑20 | 2°D27 | 8♎15 | 10♎ 2 | 14♌35 | 17°D40 | 16♓ 9 | 22♐34 | 12♍28 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s11 | 27n54 | 4n50 | 2s 5 | 1n19 | 15s50 | 0s27 | 3s37 | 0n37 | 23s41 | 0s10 | 12s24 | 2s11 | 1s59 | 0n39 | 2s 2 | 1n41 | 26n27 | 10n16 | 4s23 | 4s52 | 28s16 | 3n43 | 4s51 |
| S 2 | 5 35 | 25 18 | 4 13 | 2 51 | 1 13 | 16 16 | 0 30 | 3 53 | 0 37 | 23 42 | 0 10 | 12 25 | 2 11 | 2 1 | 0 39 | 2 3 | 1 41 | 26 27 | 10 16 | 4 23 | 4 53 | 28 16 | 3 40 | 4 52 |
| M 3 | 5 58 | 21 15 | 3 21 | 3 36 | 1 7 | 16 41 | 0 33 | 4 10 | 0 36 | 23 42 | 0 10 | 12 26 | 2 11 | 2 2 | 0 39 | 2 4 | 1 41 | 26 27 | 10 16 | 4 22 | 4 55 | 28 17 | 3 37 | 4 52 |
| T 4 | 6 21 | 16 8 | 2 19 | 4 21 | 1 1 | 17 5 | 0 36 | 4 26 | 0 36 | 23 42 | 0 10 | 12 27 | 2 10 | 2 4 | 0 39 | 2 5 | 1 41 | 26 27 | 10 17 | 4 22 | 4 56 | 28 17 | 3 34 | 4 52 |
| W 5 | 6 44 | 10 20 | 1 10 | 5 6 | 0 55 | 17 30 | 0 38 | 4 42 | 0 35 | 23 42 | 0 10 | 12 28 | 2 10 | 2 5 | 0 39 | 2 5 | 1 41 | 26 27 | 10 17 | 4 21 | 4 57 | 28 18 | 3 31 | 4 52 |
| T 6 | 7 7 | 4 11 | 0s 2 | 5 50 | 0 49 | 17 53 | 0 41 | 4 59 | 0 35 | 23 43 | 0 10 | 12 29 | 2 10 | 2 7 | 0 39 | 2 6 | 1 41 | 26 27 | 10 17 | 4 21 | 4 58 | 28 18 | 3 28 | 4 52 |
| F 7 | 7 30 | 2s 3 | 1 12 | 6 34 | 0 43 | 18 17 | 0 44 | 5 15 | 0 34 | 23 43 | 0 10 | 12 30 | 2 10 | 2 8 | 0 39 | 2 7 | 1 41 | 26 27 | 10 18 | 4 21 | 5 0 | 28 19 | 3 25 | 4 52 |
| S 8 | 7 53 | 8 6 | 2 18 | 7 18 | 0 36 | 18 39 | 0 47 | 5 31 | 0 34 | 23 43 | 0 10 | 12 30 | 2 10 | 2 10 | 0 39 | 2 8 | 1 41 | 26 27 | 10 18 | 4 22 | 5 1 | 28 19 | 3 22 | 4 53 |
| S 9 | 8 16 | 13 45 | 3 15 | 8 1 | 0 30 | 19 2 | 0 50 | 5 47 | 0 33 | 23 44 | 0 10 | 12 31 | 2 10 | 2 11 | 0 39 | 2 9 | 1 41 | 26 27 | 10 19 | 4 24 | 5 2 | 28 20 | 3 19 | 4 53 |
| M10 | 8 38 | 18 45 | 4 2 | 8 43 | 0 23 | 19 24 | 0 53 | 6 4 | 0 33 | 23 44 | 0 11 | 12 32 | 2 10 | 2 13 | 0 39 | 2 10 | 1 41 | 26 27 | 10 19 | 4 26 | 5 3 | 28 20 | 3 16 | 4 53 |
| T 11 | 9 1 | 22 54 | 4 38 | 9 26 | 0 16 | 19 45 | 0 55 | 6 20 | 0 32 | 23 44 | 0 11 | 12 33 | 2 10 | 2 14 | 0 39 | 2 11 | 1 41 | 26 27 | 10 19 | 4 28 | 5 5 | 28 21 | 3 13 | 4 53 |
| W12 | 9 23 | 26 2 | 5 1 | 10 7 | 0 10 | 20 6 | 0 58 | 6 36 | 0 32 | 23 44 | 0 11 | 12 33 | 2 9 | 2 15 | 0 39 | 2 11 | 1 41 | 26 27 | 10 20 | 4 31 | 5 6 | 28 21 | 3 11 | 4 53 |
| T 13 | 9 45 | 28 0 | 5 10 | 10 49 | 0 3 | 20 26 | 1 1 | 6 52 | 0 31 | 23 45 | 0 11 | 12 34 | 2 9 | 2 17 | 0 39 | 2 12 | 1 41 | 26 27 | 10 20 | 4 33 | 5 7 | 28 22 | 3 8 | 4 54 |
| F 14 | 10 7 | 28 40 | 5 6 | 11 29 | 0s 4 | 20 46 | 1 4 | 7 8 | 0 31 | 23 45 | 0 11 | 12 34 | 2 9 | 2 18 | 0 39 | 2 13 | 1 41 | 26 27 | 10 20 | 4 35 | 5 8 | 28 22 | 3 5 | 4 54 |
| S 15 | 10 29 | 28 0 | 4 49 | 12 9 | 0 10 | 21 5 | 1 6 | 7 24 | 0 30 | 23 45 | 0 11 | 12 35 | 2 9 | 2 20 | 0 39 | 2 14 | 1 41 | 26 27 | 10 21 | 4 37 | 5 10 | 28 22 | 3 2 | 4 54 |
| S 16 | 10 51 | 26 3 | 4 19 | 12 48 | 0 17 | 21 24 | 1 9 | 7 40 | 0 30 | 23 45 | 0 11 | 12 35 | 2 9 | 2 21 | 0 39 | 2 15 | 1 41 | 26 27 | 10 21 | 4 37 | 5 11 | 28 23 | 2 59 | 4 54 |
| M17 | 11 13 | 22 54 | 3 38 | 13 27 | 0 23 | 21 42 | 1 11 | 7 56 | 0 29 | 23 45 | 0 11 | 12 36 | 2 9 | 2 23 | 0 39 | 2 16 | 1 41 | 26 28 | 10 21 | 4 37 | 5 12 | 28 23 | 2 56 | 4 55 |
| T 18 | 11 34 | 18 41 | 2 45 | 14 5 | 0 30 | 21 59 | 1 14 | 8 12 | 0 29 | 23 45 | 0 11 | 12 36 | 2 9 | 2 24 | 0 39 | 2 16 | 1 41 | 26 28 | 10 22 | 4 37 | 5 13 | 28 24 | 2 54 | 4 55 |
| W19 | 11 55 | 13 34 | 1 44 | 14 42 | 0 37 | 22 16 | 1 17 | 8 28 | 0 28 | 23 46 | 0 11 | 12 36 | 2 8 | 2 25 | 0 39 | 2 17 | 1 41 | 26 28 | 10 22 | 4 36 | 5 15 | 28 24 | 2 51 | 4 55 |
| T 20 | 12 16 | 7 42 | 0 36 | 15 19 | 0 43 | 22 32 | 1 19 | 8 43 | 0 28 | 23 46 | 0 11 | 12 37 | 2 8 | 2 27 | 0 39 | 2 18 | 1 41 | 26 28 | 10 22 | 4 36 | 5 16 | 28 24 | 2 48 | 4 55 |
| F 21 | 12 37 | 1 19 | 0n37 | 15 54 | 0 49 | 22 48 | 1 22 | 8 59 | 0 27 | 23 46 | 0 11 | 12 37 | 2 8 | 2 28 | 0 39 | 2 19 | 1 41 | 26 28 | 10 23 | 4 36 | 5 17 | 28 25 | 2 46 | 4 56 |
| S 22 | 12 58 | 5n20 | 1 50 | 16 30 | 0 56 | 23 3 | 1 24 | 9 15 | 0 27 | 23 46 | 0 12 | 12 37 | 2 8 | 2 30 | 0 39 | 2 20 | 1 41 | 26 28 | 10 23 | 4 37 | 5 18 | 28 25 | 2 43 | 4 56 |
| S 23 | 13 18 | 11 55 | 2 57 | 17 4 | 1 2 | 23 17 | 1 27 | 9 30 | 0 26 | 23 46 | 0 12 | 12 37 | 2 8 | 2 31 | 0 39 | 2 20 | 1 41 | 26 28 | 10 24 | 4 38 | 5 20 | 28 26 | 2 40 | 4 56 |
| M24 | 13 38 | 18 1 | 3 55 | 17 37 | 1 8 | 23 31 | 1 29 | 9 46 | 0 25 | 23 46 | 0 12 | 12 38 | 2 8 | 2 32 | 0 39 | 2 21 | 1 41 | 26 29 | 10 24 | 4 41 | 5 21 | 28 26 | 2 38 | 4 56 |
| T 25 | 13 58 | 23 7 | 4 38 | 18 10 | 1 14 | 23 44 | 1 31 | 10 1 | 0 25 | 23 46 | 0 12 | 12 38 | 2 8 | 2 34 | 0 39 | 2 22 | 1 41 | 26 29 | 10 24 | 4 44 | 5 22 | 28 26 | 2 35 | 4 57 |
| W26 | 14 18 | 26 44 | 5 2 | 18 41 | 1 20 | 23 56 | 1 33 | 10 17 | 0 24 | 23 46 | 0 12 | 12 38 | 2 7 | 2 35 | 0 39 | 2 23 | 1 41 | 26 29 | 10 25 | 4 47 | 5 23 | 28 27 | 2 32 | 4 57 |
| T 27 | 14 38 | 28 28 | 5 5 | 19 12 | 1 25 | 24 8 | 1 36 | 10 32 | 0 24 | 23 46 | 0 12 | 12 38 | 2 7 | 2 36 | 0 39 | 2 24 | 1 41 | 26 29 | 10 25 | 4 50 | 5 25 | 28 27 | 2 30 | 4 57 |
| F 28 | 14 57 | 28 9 | 4 48 | 19 42 | 1 31 | 24 19 | 1 38 | 10 48 | 0 23 | 23 46 | 0 12 | 12 38 | 2 7 | 2 38 | 0 39 | 2 24 | 1 41 | 26 30 | 10 25 | 4 52 | 5 26 | 28 27 | 2 27 | 4 58 |
| S 29 | 15 16 | 25 55 | 4 13 | 20 11 | 1 36 | 24 29 | 1 40 | 11 3 | 0 23 | 23 46 | 0 12 | 12 38 | 2 7 | 2 39 | 0 39 | 2 25 | 1 41 | 26 30 | 10 26 | 4 53 | 5 27 | 28 28 | 2 25 | 4 58 |
| S 30 | 15 35 | 22 7 | 3 24 | 20 39 | 1 41 | 24 39 | 1 42 | 11 18 | 0 22 | 23 46 | 0 12 | 12 38 | 2 7 | 2 40 | 0 39 | 2 26 | 1 41 | 26 30 | 10 26 | 4 54 | 5 28 | 28 28 | 2 22 | 4 58 |
| M31 | 15s53 | 17n12 | 2n23 | 21s 6 | 1s46 | 24s48 | 1s44 | 11s33 | 0n22 | 23s46 | 0s12 | 12s38 | 2s 7 | 2s42 | 0n39 | 2s27 | 1n41 | 26n30 | 10n27 | 4s54 | 5s29 | 28s28 | 2n20 | 4s58 |

Julian Day Number = 2073432.5, Delta T = 27m27s
Ecliptic obliquity = 23°34'33, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'44, Lahiri = 9°25'45 Julian Calendar 1 Oct. 964 == Greg. Calendar 6 Oct. 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## NOVEMBER 964 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 1 55 | 14♏12'11 | 3♍15 | 27♏33 | 19♐36 | 1♏42 | 1♑31 | 2♓27 | 8♎18 | 10♎ 4 | 14♌36 | 17♓41 | 16♓ 6 | 22♐41 | 12♍33 | T 1 |
| W 2 | 3 5 52 | 15°12'55 | 16°20 | 29° 4 | 20°49 | 2°24 | 1°43 | 2°27 | 8°22 | 10° 6 | 14°36 | 17°R41 | 16° 3 | 22°48 | 12°39 | W 2 |
| T 3 | 3 9 48 | 16°13'40 | 29°10 | 0♐33 | 22° 3 | 3° 6 | 1°54 | 2°28 | 8°25 | 10° 8 | 14°36 | 17°41 | 16° 0 | 22°54 | 12°44 | T 3 |
| F 4 | 3 13 45 | 17°14'26 | 11♎47 | 2° 3 | 23°16 | 3°47 | 2° 6 | 2°28 | 8°28 | 10°10 | 14°36 | 17°38 | 15°57 | 23° 1 | 12°50 | F 4 |
| S 5 | 3 17 42 | 18°15'15 | 24°14 | 3°32 | 24°29 | 4°29 | 2°18 | 2°28 | 8°31 | 10°12 | 14°36 | 17°32 | 15°53 | 23° 8 | 12°55 | S 5 |
| S 6 | 3 21 38 | 19°16'05 | 6♏32 | 5° 1 | 25°42 | 5°11 | 2°30 | 2°29 | 8°34 | 10°13 | 14°37 | 17°24 | 15°50 | 23°14 | 13° 1 | S 6 |
| M 7 | 3 25 35 | 20°16'56 | 18°42 | 6°29 | 26°55 | 5°53 | 2°42 | 2°30 | 8°37 | 10°15 | 14°37 | 17°13 | 15°47 | 23°21 | 13° 6 | M 7 |
| T 8 | 3 29 31 | 21°17'48 | 0♐46 | 7°57 | 28° 8 | 6°35 | 2°54 | 2°30 | 8°40 | 10°17 | 14°37 | 17° 0 | 15°44 | 23°28 | 13°11 | T 8 |
| W 9 | 3 33 28 | 22°18'42 | 12°43 | 9°24 | 29°20 | 7°17 | 3° 7 | 2°31 | 8°43 | 10°19 | 14°37 | 16°47 | 15°41 | 23°35 | 13°16 | W 9 |
| T 10 | 3 37 24 | 23°19'37 | 24°37 | 10°50 | 0♑33 | 7°59 | 3°19 | 2°32 | 8°46 | 10°21 | 14°37 | 16°34 | 15°38 | 23°41 | 13°21 | T 10 |
| F 11 | 3 41 21 | 24°20'32 | 6♑27 | 12°16 | 1°46 | 8°41 | 3°31 | 2°33 | 8°49 | 10°22 | 14°R37 | 16°23 | 15°34 | 23°48 | 13°26 | F 11 |
| S 12 | 3 45 17 | 25°21'29 | 18°18 | 13°40 | 2°59 | 9°23 | 3°44 | 2°35 | 8°52 | 10°24 | 14°37 | 16°15 | 15°31 | 23°55 | 13°30 | S 12 |
| S 13 | 3 49 14 | 26°22'27 | 0♒11 | 15° 4 | 4°12 | 10° 5 | 3°56 | 2°36 | 8°55 | 10°26 | 14°37 | 16° 9 | 15°28 | 24° 2 | 13°35 | S 13 |
| M14 | 3 53 11 | 27°23'25 | 12°13 | 16°26 | 5°24 | 10°47 | 4° 9 | 2°37 | 8°58 | 10°27 | 14°37 | 16° 5 | 15°25 | 24° 8 | 13°39 | M14 |
| T 15 | 3 57 7 | 28°24'24 | 24°26 | 17°47 | 6°37 | 11°30 | 4°21 | 2°39 | 9° 1 | 10°29 | 14°37 | 16°D 4 | 15°22 | 24°15 | 13°44 | T 15 |
| W16 | 4 1 4 | 29°25'24 | 6♓57 | 19° 6 | 7°49 | 12°12 | 4°34 | 2°41 | 9° 3 | 10°31 | 14°37 | 16° 4 | 15°19 | 24°22 | 13°48 | W16 |
| T 17 | 4 5 0 | 0♐26'25 | 19°50 | 20°23 | 9° 2 | 12°54 | 4°47 | 2°42 | 9° 6 | 10°32 | 14°36 | 16°R 4 | 15°15 | 24°28 | 13°53 | T 17 |
| F 18 | 4 8 57 | 1°27'26 | 3♈11 | 21°38 | 10°14 | 13°36 | 5° 0 | 2°44 | 9° 9 | 10°34 | 14°36 | 16° 3 | 15°12 | 24°35 | 13°57 | F 18 |
| S 19 | 4 12 53 | 2°28'27 | 17° 1 | 22°50 | 11°27 | 14°19 | 5°12 | 2°46 | 9°11 | 10°35 | 14°36 | 16° 0 | 15° 9 | 24°42 | 14° 1 | S 19 |
| S 20 | 4 16 50 | 3°29'30 | 1♉21 | 23°59 | 12°39 | 15° 1 | 5°25 | 2°48 | 9°14 | 10°37 | 14°36 | 15°54 | 15° 6 | 24°49 | 14° 5 | S 20 |
| M21 | 4 20 46 | 4°30'33 | 16° 8 | 25° 4 | 13°51 | 15°44 | 5°38 | 2°50 | 9°17 | 10°38 | 14°35 | 15°45 | 15° 3 | 24°55 | 14° 8 | M21 |
| T 22 | 4 24 43 | 5°31'36 | 1♊16 | 26° 6 | 15° 4 | 16°26 | 5°51 | 2°53 | 9°19 | 10°40 | 14°35 | 15°35 | 14°59 | 25° 2 | 14°12 | T 22 |
| W23 | 4 28 40 | 6°32'41 | 16°34 | 27° 2 | 16°16 | 17° 9 | 6° 5 | 2°55 | 9°22 | 10°41 | 14°35 | 15°23 | 14°56 | 25° 9 | 14°16 | W23 |
| T 24 | 4 32 36 | 7°33'46 | 1♋51 | 27°54 | 17°28 | 17°51 | 6°18 | 2°57 | 9°24 | 10°43 | 14°34 | 15°12 | 14°53 | 25°15 | 14°19 | T 24 |
| F 25 | 4 36 33 | 8°34'53 | 16°56 | 28°39 | 18°40 | 18°34 | 6°31 | 3° 0 | 9°26 | 10°44 | 14°34 | 15° 3 | 14°50 | 25°22 | 14°23 | F 25 |
| S 26 | 4 40 29 | 9°36'00 | 1♌40 | 29°17 | 19°52 | 19°17 | 6°44 | 3° 3 | 9°29 | 10°46 | 14°34 | 14°56 | 14°47 | 25°29 | 14°26 | S 26 |
| S 27 | 4 44 26 | 10°37'07 | 15°57 | 29°47 | 21° 4 | 19°59 | 6°58 | 3° 5 | 9°31 | 10°47 | 14°33 | 14°52 | 14°44 | 25°36 | 14°29 | S 27 |
| M28 | 4 48 22 | 11°38'16 | 29°48 | 0♑ 8 | 22°15 | 20°42 | 7°11 | 3° 8 | 9°33 | 10°48 | 14°33 | 14°50 | 14°40 | 25°42 | 14°32 | M28 |
| T 29 | 4 52 19 | 12°39'25 | 13♍12 | 0°20 | 23°27 | 21°25 | 7°24 | 3°11 | 9°35 | 10°50 | 14°32 | 14°50 | 14°37 | 25°49 | 14°35 | T 29 |
| W30 | 4 56 15 | 13♐40'35 | 26♍12 | 0°R21 | 24♑39 | 22♏ 8 | 7♑38 | 3♓14 | 9♎38 | 10♎51 | 14♌31 | 14♓50 | 14♓34 | 25♐56 | 14♍38 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s12 | 11n34 | 1n17 | 21s31 | 1s51 | 24s56 | 1s46 | 11s48 | 0n21 | 23s46 | 0s12 | 12s37 | 2s 6 | 2s43 | 0n39 | 2s27 | 1n41 | 26n31 | 10n27 | 4s54 | 5s31 | 28s29 | 2n17 | 4s59 |
| W 2 | 16 30 | 5 32 | 0 7 | 21 56 | 1 55 | 25 3 | 1 48 | 12 3 | 0 21 | 23 46 | 0 12 | 12 37 | 2 6 | 2 44 | 0 39 | 2 28 | 1 42 | 26 31 | 10 27 | 4 54 | 5 32 | 28 29 | 2 15 | 4 59 |
| T 3 | 16 47 | 0s36 | 1s 1 | 22 20 | 1 59 | 25 10 | 1 50 | 12 18 | 0 20 | 23 46 | 0 12 | 12 37 | 2 6 | 2 45 | 0 39 | 2 29 | 1 42 | 26 31 | 10 28 | 4 54 | 5 33 | 28 29 | 2 12 | 4 59 |
| F 4 | 17 5 | 6 36 | 2 5 | 22 42 | 2 3 | 25 15 | 1 51 | 12 33 | 0 19 | 23 46 | 0 13 | 12 37 | 2 6 | 2 47 | 0 39 | 2 29 | 1 42 | 26 31 | 10 28 | 4 55 | 5 34 | 28 29 | 2 10 | 5 0 |
| S 5 | 17 22 | 12 16 | 3 2 | 23 3 | 2 7 | 25 21 | 1 53 | 12 48 | 0 19 | 23 46 | 0 13 | 12 36 | 2 6 | 2 48 | 0 39 | 2 30 | 1 42 | 26 32 | 10 29 | 4 57 | 5 36 | 28 30 | 2 8 | 5 0 |
| S 6 | 17 39 | 17 23 | 3 49 | 23 23 | 2 10 | 25 25 | 1 55 | 13 2 | 0 18 | 23 46 | 0 13 | 12 36 | 2 6 | 2 49 | 0 39 | 2 31 | 1 42 | 26 32 | 10 29 | 5 0 | 5 37 | 28 30 | 2 5 | 5 1 |
| M 7 | 17 55 | 21 44 | 4 26 | 23 42 | 2 13 | 25 29 | 1 56 | 13 17 | 0 18 | 23 46 | 0 13 | 12 36 | 2 5 | 2 50 | 0 39 | 2 31 | 1 42 | 26 32 | 10 29 | 5 5 | 5 38 | 28 30 | 2 3 | 5 1 |
| T 8 | 18 11 | 25 9 | 4 50 | 24 0 | 2 16 | 25 31 | 1 58 | 13 31 | 0 17 | 23 46 | 0 13 | 12 35 | 2 5 | 2 51 | 0 39 | 2 32 | 1 42 | 26 33 | 10 30 | 5 10 | 5 39 | 28 30 | 2 1 | 5 1 |
| W 9 | 18 27 | 27 25 | 5 1 | 24 16 | 2 18 | 25 34 | 1 59 | 13 46 | 0 17 | 23 45 | 0 13 | 12 35 | 2 5 | 2 53 | 0 39 | 2 33 | 1 42 | 26 33 | 10 30 | 5 15 | 5 41 | 28 31 | 1 58 | 5 2 |
| T 10 | 18 43 | 28 26 | 4 59 | 24 31 | 2 20 | 25 35 | 2 0 | 14 0 | 0 16 | 23 45 | 0 13 | 12 34 | 2 5 | 2 54 | 0 39 | 2 33 | 1 42 | 26 33 | 10 30 | 5 20 | 5 42 | 28 31 | 1 56 | 5 2 |
| F 11 | 18 58 | 28 8 | 4 44 | 24 44 | 2 22 | 25 36 | 2 2 | 14 14 | 0 15 | 23 45 | 0 13 | 12 34 | 2 5 | 2 55 | 0 39 | 2 34 | 1 42 | 26 34 | 10 31 | 5 24 | 5 43 | 28 31 | 1 54 | 5 2 |
| S 12 | 19 13 | 26 33 | 4 16 | 24 56 | 2 23 | 25 35 | 2 3 | 14 28 | 0 15 | 23 45 | 0 13 | 12 33 | 2 5 | 2 56 | 0 39 | 2 35 | 1 42 | 26 34 | 10 31 | 5 27 | 5 44 | 28 31 | 1 52 | 5 3 |
| S 13 | 19 27 | 23 46 | 3 38 | 25 6 | 2 23 | 25 34 | 2 4 | 14 42 | 0 14 | 23 44 | 0 13 | 12 32 | 2 4 | 2 57 | 0 39 | 2 35 | 1 42 | 26 34 | 10 32 | 5 30 | 5 46 | 28 31 | 1 50 | 5 3 |
| M14 | 19 41 | 19 56 | 2 49 | 25 15 | 2 23 | 25 33 | 2 5 | 14 56 | 0 14 | 23 44 | 0 13 | 12 32 | 2 4 | 2 58 | 0 39 | 2 36 | 1 42 | 26 35 | 10 32 | 5 31 | 5 47 | 28 32 | 1 48 | 5 3 |
| T 15 | 19 55 | 15 13 | 1 52 | 25 23 | 2 23 | 25 30 | 2 6 | 15 10 | 0 13 | 23 44 | 0 13 | 12 31 | 2 4 | 2 59 | 0 39 | 2 37 | 1 42 | 26 35 | 10 32 | 5 32 | 5 48 | 28 32 | 1 46 | 5 4 |
| W16 | 20 9 | 9 45 | 0 48 | 25 28 | 2 21 | 25 27 | 2 7 | 15 23 | 0 12 | 23 43 | 0 14 | 12 30 | 2 4 | 3 0 | 0 39 | 2 37 | 1 42 | 26 36 | 10 33 | 5 31 | 5 49 | 28 32 | 1 44 | 5 4 |
| T 17 | 20 22 | 3 44 | 0n20 | 25 32 | 2 19 | 25 23 | 2 8 | 15 37 | 0 12 | 23 43 | 0 14 | 12 29 | 2 4 | 3 1 | 0 39 | 2 38 | 1 42 | 26 36 | 10 33 | 5 31 | 5 51 | 28 32 | 1 42 | 5 5 |
| F 18 | 20 34 | 2n38 | 1 29 | 25 35 | 2 17 | 25 18 | 2 8 | 15 50 | 0 11 | 23 43 | 0 14 | 12 29 | 2 4 | 3 2 | 0 39 | 2 38 | 1 42 | 26 36 | 10 33 | 5 32 | 5 52 | 28 32 | 1 40 | 5 5 |
| S 19 | 20 46 | 9 7 | 2 36 | 25 36 | 2 13 | 25 13 | 2 9 | 16 3 | 0 11 | 23 42 | 0 14 | 12 28 | 2 3 | 3 3 | 0 40 | 2 39 | 1 42 | 26 37 | 10 34 | 5 33 | 5 53 | 28 32 | 1 38 | 5 5 |
| S 20 | 20 58 | 15 22 | 3 35 | 25 35 | 2 9 | 25 7 | 2 9 | 16 16 | 0 10 | 23 42 | 0 14 | 12 27 | 2 3 | 3 4 | 0 40 | 2 40 | 1 42 | 26 37 | 10 34 | 5 35 | 5 54 | 28 32 | 1 36 | 5 6 |
| M21 | 21 10 | 20 56 | 4 21 | 25 33 | 2 4 | 25 0 | 2 10 | 16 30 | 0 9 | 23 41 | 0 14 | 12 26 | 2 3 | 3 5 | 0 40 | 2 40 | 1 42 | 26 38 | 10 35 | 5 39 | 5 55 | 28 33 | 1 34 | 5 6 |
| T 22 | 21 21 | 25 16 | 4 51 | 25 28 | 1 57 | 24 52 | 2 10 | 16 42 | 0 9 | 23 41 | 0 14 | 12 25 | 2 3 | 3 6 | 0 40 | 2 41 | 1 42 | 26 38 | 10 35 | 5 43 | 5 57 | 28 33 | 1 32 | 5 7 |
| W23 | 21 32 | 27 52 | 5 0 | 25 23 | 1 50 | 24 44 | 2 10 | 16 55 | 0 8 | 23 40 | 0 14 | 12 24 | 2 3 | 3 7 | 0 40 | 2 41 | 1 42 | 26 39 | 10 35 | 5 48 | 5 58 | 28 33 | 1 30 | 5 7 |
| T 24 | 21 42 | 28 21 | 4 48 | 25 15 | 1 42 | 24 35 | 2 10 | 17 8 | 0 8 | 23 40 | 0 14 | 12 23 | 2 3 | 3 8 | 0 40 | 2 42 | 1 43 | 26 39 | 10 36 | 5 52 | 5 59 | 28 33 | 1 29 | 5 7 |
| F 25 | 21 52 | 26 43 | 4 15 | 25 6 | 1 32 | 24 25 | 2 10 | 17 20 | 0 7 | 23 39 | 0 14 | 12 22 | 2 2 | 3 9 | 0 40 | 2 42 | 1 43 | 26 40 | 10 36 | 5 56 | 6 0 | 28 33 | 1 27 | 5 8 |
| S 26 | 22 1 | 23 16 | 3 27 | 24 56 | 1 22 | 24 15 | 2 10 | 17 33 | 0 6 | 23 39 | 0 14 | 12 21 | 2 2 | 3 10 | 0 40 | 2 43 | 1 43 | 26 40 | 10 36 | 5 58 | 6 2 | 28 33 | 1 25 | 5 8 |
| S 27 | 22 10 | 18 28 | 2 26 | 24 44 | 1 9 | 24 3 | 2 10 | 17 45 | 0 6 | 23 38 | 0 14 | 12 19 | 2 2 | 3 11 | 0 40 | 2 43 | 1 43 | 26 41 | 10 37 | 6 0 | 6 3 | 28 33 | 1 24 | 5 9 |
| M28 | 22 19 | 12 50 | 1 19 | 24 31 | 0 56 | 23 52 | 2 10 | 17 57 | 0 5 | 23 37 | 0 15 | 12 18 | 2 2 | 3 12 | 0 40 | 2 44 | 1 43 | 26 41 | 10 37 | 6 0 | 6 4 | 28 33 | 1 22 | 5 9 |
| T 29 | 22 27 | 6 46 | 0 9 | 24 16 | 0 41 | 23 39 | 2 9 | 18 9 | 0 4 | 23 37 | 0 15 | 12 17 | 2 2 | 3 13 | 0 40 | 2 44 | 1 43 | 26 42 | 10 37 | 6 0 | 6 5 | 28 33 | 1 21 | 5 10 |
| W30 | 22s34 | 0n36 | 1s 0 | 24s 0 | 0s25 | 23s26 | 2s 9 | 18s21 | 0n 4 | 23s36 | 0s15 | 12s16 | 2s 2 | 3s14 | 0n40 | 2s44 | 1n43 | 26n42 | 10n38 | 6s 0 | 6s 7 | 28s33 | 1n19 | 5s10 |

Julian Day Number = 2073463.5, Delta T = 27m27s
Ecliptic obliquity = 23°34'33, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'49, Lahiri = 9°25'49 Julian Calendar 1 Nov. 964 == Greg. Calendar 6 Nov. 964


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# ASTRODIENST EPHEMERIS for the year 964
# geocentric

## DECEMBER 964 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 0 12 | 14♐41'46 | 8♎54 | 0°R12 | 25♑50 | 22♏51 | 7♑51 | 3♓17 | 9♎40 | 10♎52 | 14°R31 | 14°R48 | 14♓31 | 26♐ 3 | 14♍41 | T 1 |
| F 2 | 5 4 9 | 15°42'58 | 21°20 | 29♐50 | 27° 2 | 23°34 | 8° 5 | 3°21 | 9°42 | 10°53 | 14♌30 | 14♓45 | 14°28 | 26° 9 | 14°44 | F 2 |
| S 3 | 5 8 5 | 16°44'10 | 3♏34 | 29°17 | 28°13 | 24°17 | 8°18 | 3°24 | 9°44 | 10°54 | 14°30 | 14°38 | 14°25 | 26°16 | 14°46 | S 3 |
| S 4 | 5 12 2 | 17°45'22 | 15°40 | 28°32 | 29°25 | 25° 0 | 8°32 | 3°27 | 9°46 | 10°56 | 14°29 | 14°28 | 14°21 | 26°23 | 14°49 | S 4 |
| M 5 | 5 15 58 | 18°46'36 | 27°41 | 27°37 | 0♒36 | 25°43 | 8°46 | 3°31 | 9°48 | 10°57 | 14°28 | 14°15 | 14°18 | 26°29 | 14°51 | M 5 |
| T 6 | 5 19 55 | 19°47'49 | 9♐37 | 26°31 | 1°47 | 26°26 | 8°59 | 3°34 | 9°50 | 10°58 | 14°28 | 14° 1 | 14°15 | 26°36 | 14°53 | T 6 |
| W 7 | 5 23 51 | 20°49'03 | 21°30 | 25°18 | 2°58 | 27° 9 | 9°13 | 3°38 | 9°51 | 10°59 | 14°27 | 13°45 | 14°12 | 26°43 | 14°55 | W 7 |
| T 8 | 5 27 48 | 21°50'17 | 3♑22 | 24° 0 | 4° 9 | 27°52 | 9°27 | 3°42 | 9°53 | 11° 0 | 14°26 | 13°31 | 14° 9 | 26°50 | 14°57 | T 8 |
| F 9 | 5 31 45 | 22°51'31 | 15°13 | 22°39 | 5°20 | 28°35 | 9°41 | 3°46 | 9°55 | 11° 1 | 14°25 | 13°17 | 14° 5 | 26°56 | 14°59 | F 9 |
| S 10 | 5 35 41 | 23°52'45 | 27° 6 | 21°17 | 6°30 | 29°19 | 9°54 | 3°50 | 9°57 | 11° 2 | 14°24 | 13° 7 | 14° 2 | 27° 3 | 15° 1 | S 10 |
| S 11 | 5 39 38 | 24°53'59 | 9♒ 3 | 19°58 | 7°41 | 0♐ 2 | 10° 8 | 3°54 | 9°58 | 11° 3 | 14°24 | 12°59 | 13°59 | 27°10 | 15° 3 | S 11 |
| M12 | 5 43 34 | 25°55'12 | 21° 6 | 18°44 | 8°52 | 0°45 | 10°22 | 3°58 | 10° 0 | 11° 4 | 14°23 | 12°55 | 13°56 | 27°16 | 15° 4 | M12 |
| T 13 | 5 47 31 | 26°56'26 | 3♓19 | 17°36 | 10° 2 | 1°29 | 10°36 | 4° 2 | 10° 1 | 11° 4 | 14°22 | 12°53 | 13°53 | 27°23 | 15° 5 | T 13 |
| W14 | 5 51 27 | 27°57'39 | 15°48 | 16°37 | 11°12 | 2°12 | 10°50 | 4° 7 | 10° 3 | 11° 5 | 14°21 | 12°D52 | 13°50 | 27°30 | 15° 7 | W14 |
| T 15 | 5 55 24 | 28°58'52 | 28°35 | 15°47 | 12°22 | 2°55 | 11° 4 | 4°11 | 10° 4 | 11° 6 | 14°20 | 12°R52 | 13°46 | 27°37 | 15° 8 | T 15 |
| F 16 | 5 59 20 | 0♑ 0'04 | 11♈47 | 15° 8 | 13°32 | 3°39 | 11°18 | 4°15 | 10° 6 | 11° 7 | 14°19 | 12°52 | 13°43 | 27°43 | 15° 9 | F 16 |
| S 17 | 6 3 17 | 1° 1'15 | 25°26 | 14°38 | 14°42 | 4°22 | 11°32 | 4°20 | 10° 7 | 11° 8 | 14°18 | 12°50 | 13°40 | 27°50 | 15°10 | S 17 |
| S 18 | 6 7 14 | 2° 2'27 | 9♉34 | 14°19 | 15°52 | 5° 6 | 11°46 | 4°25 | 10° 8 | 11° 8 | 14°17 | 12°45 | 13°37 | 27°57 | 15°11 | S 18 |
| M19 | 6 11 10 | 3° 3'38 | 24°11 | 14° 9 | 17° 2 | 5°50 | 12° 0 | 4°29 | 10° 9 | 11° 9 | 14°16 | 12°37 | 13°34 | 28° 4 | 15°11 | M19 |
| T 20 | 6 15 7 | 4° 4'48 | 9♊13 | 14°D 8 | 18°11 | 6°33 | 12°14 | 4°34 | 10°10 | 11°10 | 14°15 | 12°28 | 13°31 | 28°10 | 15°12 | T 20 |
| W21 | 6 19 3 | 5° 5'58 | 24°30 | 14°15 | 19°20 | 7°17 | 12°28 | 4°39 | 10°12 | 11°10 | 14°14 | 12°17 | 13°27 | 28°17 | 15°12 | W21 |
| T 22 | 6 23 0 | 6° 7'07 | 9♋52 | 14°31 | 20°29 | 8° 1 | 12°42 | 4°44 | 10°13 | 11°11 | 14°13 | 12° 7 | 13°24 | 28°24 | 15°13 | T 22 |
| F 23 | 6 26 56 | 7° 8'16 | 25° 7 | 14°54 | 21°38 | 8°44 | 12°56 | 4°49 | 10°14 | 11°11 | 14°12 | 11°59 | 13°21 | 28°30 | 15°13 | F 23 |
| S 24 | 6 30 53 | 8° 9'25 | 10♌ 5 | 15°23 | 22°47 | 9°28 | 13°10 | 4°54 | 10°14 | 11°12 | 14°11 | 11°52 | 13°18 | 28°37 | 15°R13 | S 24 |
| S 25 | 6 34 50 | 9°10'33 | 24°37 | 15°58 | 23°56 | 10°12 | 13°25 | 4°59 | 10°15 | 11°12 | 14° 9 | 11°49 | 13°15 | 28°44 | 15°13 | S 25 |
| M26 | 6 38 46 | 10°11'41 | 8♍41 | 16°38 | 25° 4 | 10°56 | 13°39 | 5° 5 | 10°16 | 11°13 | 14° 8 | 11°D47 | 13°11 | 28°51 | 15°13 | M26 |
| T 27 | 6 42 43 | 11°12'49 | 22°15 | 17°23 | 26°12 | 11°40 | 13°53 | 5°10 | 10°17 | 11°13 | 14° 7 | 11°48 | 13° 8 | 28°57 | 15°13 | T 27 |
| W28 | 6 46 39 | 12°13'56 | 5♎22 | 18°13 | 27°20 | 12°24 | 14° 7 | 5°15 | 10°18 | 11°13 | 14° 6 | 11°48 | 13° 5 | 29° 4 | 15°12 | W28 |
| T 29 | 6 50 36 | 13°15'03 | 18° 6 | 19° 6 | 28°28 | 13° 8 | 14°21 | 5°21 | 10°18 | 11°14 | 14° 5 | 11°R48 | 13° 2 | 29°11 | 15°12 | T 29 |
| F 30 | 6 54 32 | 14°16'10 | 0♏31 | 20° 3 | 29°36 | 13°52 | 14°35 | 5°26 | 10°19 | 11°14 | 14° 3 | 11°47 | 12°59 | 29°17 | 15°11 | F 30 |
| S 31 | 6 58 29 | 15♑17'16 | 12♏42 | 21♐ 3 | 0♓43 | 14♐36 | 14♑49 | 5♓32 | 10♎19 | 11♎14 | 14♌ 2 | 11♓43 | 12♓56 | 29♐24 | 15♍10 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s42 | 5s26 | 2s 3 | 23s43 | 0s 8 | 23s12 | 2s 8 | 18s32 | 0n 3 | 23s35 | 0s15 | 12s14 | 2s 1 | 3s14 | 0n40 | 2s45 | 1n43 | 26n43 | 10n38 | 6s 1 | 6s 8 | 28s33 | 1n18 | 5s10 |
| F 2 | 22 48 | 11 8 | 3 0 | 23 24 | 0n10 | 22 57 | 2 8 | 18 44 | 0 3 | 23 35 | 0 15 | 12 13 | 2 1 | 3 15 | 0 40 | 2 45 | 1 43 | 26 43 | 10 39 | 6 2 | 6 9 | 28 33 | 1 16 | 5 11 |
| S 3 | 22 55 | 16 19 | 3 47 | 23 5 | 0 29 | 22 42 | 2 7 | 18 55 | 0 2 | 23 34 | 0 15 | 12 12 | 2 1 | 3 16 | 0 40 | 2 46 | 1 43 | 26 44 | 10 39 | 6 5 | 6 10 | 28 33 | 1 15 | 5 11 |
| S 4 | 23 0 | 20 49 | 4 23 | 22 45 | 0 49 | 22 26 | 2 6 | 19 6 | 0 1 | 23 33 | 0 15 | 12 10 | 2 1 | 3 17 | 0 40 | 2 46 | 1 43 | 26 44 | 10 39 | 6 9 | 6 11 | 28 33 | 1 13 | 5 12 |
| M 5 | 23 6 | 24 24 | 4 47 | 22 24 | 1 9 | 22 10 | 2 5 | 19 17 | 0 1 | 23 32 | 0 15 | 12 9 | 2 1 | 3 17 | 0 40 | 2 46 | 1 43 | 26 45 | 10 40 | 6 14 | 6 13 | 28 33 | 1 12 | 5 12 |
| T 6 | 23 11 | 26 56 | 4 58 | 22 3 | 1 29 | 21 53 | 2 4 | 19 28 | 0s 0 | 23 31 | 0 15 | 12 8 | 2 1 | 3 18 | 0 40 | 2 47 | 1 43 | 26 45 | 10 40 | 6 19 | 6 14 | 28 33 | 1 11 | 5 13 |
| W 7 | 23 15 | 28 14 | 4 56 | 21 41 | 1 48 | 21 36 | 2 2 | 19 39 | 0 1 | 23 30 | 0 15 | 12 6 | 2 0 | 3 19 | 0 40 | 2 47 | 1 43 | 26 46 | 10 40 | 6 25 | 6 15 | 28 33 | 1 10 | 5 13 |
| T 8 | 23 19 | 28 13 | 4 42 | 21 20 | 2 6 | 21 17 | 2 1 | 19 49 | 0 1 | 23 30 | 0 15 | 12 4 | 2 0 | 3 19 | 0 40 | 2 48 | 1 43 | 26 46 | 10 41 | 6 31 | 6 16 | 28 33 | 1 9 | 5 13 |
| F 9 | 23 23 | 26 55 | 4 15 | 21 0 | 2 23 | 20 59 | 2 0 | 19 59 | 0 2 | 23 29 | 0 16 | 12 3 | 2 0 | 3 20 | 0 40 | 2 48 | 1 43 | 26 47 | 10 41 | 6 36 | 6 18 | 28 33 | 1 7 | 5 14 |
| S 10 | 23 26 | 24 24 | 3 37 | 20 41 | 2 37 | 20 39 | 1 58 | 20 10 | 0 3 | 23 28 | 0 16 | 12 1 | 2 0 | 3 21 | 0 40 | 2 48 | 1 43 | 26 47 | 10 41 | 6 40 | 6 19 | 28 33 | 1 6 | 5 14 |
| S 11 | 23 29 | 20 48 | 2 49 | 20 23 | 2 49 | 20 20 | 1 56 | 20 20 | 0 3 | 23 27 | 0 16 | 12 0 | 2 0 | 3 21 | 0 40 | 2 49 | 1 43 | 26 48 | 10 42 | 6 43 | 6 20 | 28 33 | 1 5 | 5 15 |
| M12 | 23 31 | 16 19 | 1 53 | 20 7 | 2 59 | 19 59 | 1 55 | 20 29 | 0 4 | 23 26 | 0 16 | 11 58 | 2 0 | 3 22 | 0 40 | 2 49 | 1 44 | 26 49 | 10 42 | 6 45 | 6 21 | 28 33 | 1 4 | 5 15 |
| T 13 | 23 32 | 11 8 | 0 50 | 19 54 | 3 6 | 19 38 | 1 53 | 20 39 | 0 5 | 23 25 | 0 16 | 11 56 | 2 0 | 3 23 | 0 40 | 2 49 | 1 44 | 26 49 | 10 42 | 6 46 | 6 23 | 28 33 | 1 3 | 5 16 |
| W14 | 23 34 | 5 24 | 0n15 | 19 44 | 3 11 | 19 17 | 1 51 | 20 48 | 0 5 | 23 24 | 0 16 | 11 55 | 1 59 | 3 23 | 0 40 | 2 49 | 1 44 | 26 50 | 10 42 | 6 46 | 6 24 | 28 33 | 1 2 | 5 16 |
| T 15 | 23 34 | 0n41 | 1 22 | 19 36 | 3 14 | 18 55 | 1 49 | 20 58 | 0 6 | 23 23 | 0 16 | 11 53 | 1 59 | 3 24 | 0 40 | 2 50 | 1 44 | 26 50 | 10 43 | 6 46 | 6 25 | 28 33 | 1 2 | 5 17 |
| F 16 | 23 35 | 6 56 | 2 27 | 19 32 | 3 14 | 18 33 | 1 46 | 21 7 | 0 7 | 23 22 | 0 16 | 11 51 | 1 59 | 3 24 | 0 40 | 2 50 | 1 44 | 26 51 | 10 43 | 6 46 | 6 26 | 28 33 | 1 1 | 5 17 |
| S 17 | 23 34 | 13 4 | 3 25 | 19 30 | 3 13 | 18 10 | 1 44 | 21 16 | 0 7 | 23 20 | 0 16 | 11 49 | 1 59 | 3 25 | 0 40 | 2 50 | 1 44 | 26 51 | 10 43 | 6 47 | 6 27 | 28 33 | 1 0 | 5 17 |
| S 18 | 23 34 | 18 46 | 4 13 | 19 30 | 3 10 | 17 47 | 1 42 | 21 24 | 0 8 | 23 19 | 0 16 | 11 47 | 1 59 | 3 25 | 0 40 | 2 50 | 1 44 | 26 52 | 10 44 | 6 49 | 6 29 | 28 33 | 0 59 | 5 18 |
| M19 | 23 32 | 23 33 | 4 47 | 19 33 | 3 5 | 17 24 | 1 39 | 21 33 | 0 9 | 23 18 | 0 16 | 11 46 | 1 59 | 3 26 | 0 40 | 2 51 | 1 44 | 26 53 | 10 44 | 6 52 | 6 30 | 28 33 | 0 59 | 5 18 |
| T 20 | 23 31 | 26 55 | 5 2 | 19 39 | 3 0 | 17 0 | 1 36 | 21 41 | 0 9 | 23 17 | 0 17 | 11 44 | 1 59 | 3 26 | 0 40 | 2 51 | 1 44 | 26 53 | 10 44 | 6 55 | 6 31 | 28 32 | 0 58 | 5 19 |
| W21 | 23 29 | 28 23 | 4 55 | 19 46 | 2 54 | 16 35 | 1 34 | 21 49 | 0 10 | 23 16 | 0 17 | 11 42 | 1 59 | 3 26 | 0 40 | 2 51 | 1 44 | 26 54 | 10 45 | 6 59 | 6 32 | 28 32 | 0 58 | 5 19 |
| T 22 | 23 26 | 27 39 | 4 28 | 19 55 | 2 46 | 16 10 | 1 31 | 21 57 | 0 11 | 23 15 | 0 17 | 11 40 | 1 58 | 3 27 | 0 40 | 2 51 | 1 44 | 26 54 | 10 45 | 7 3 | 6 34 | 28 32 | 0 57 | 5 20 |
| F 23 | 23 23 | 24 51 | 3 41 | 20 5 | 2 38 | 15 45 | 1 28 | 22 4 | 0 11 | 23 13 | 0 17 | 11 38 | 1 58 | 3 27 | 0 41 | 2 51 | 1 44 | 26 55 | 10 45 | 7 7 | 6 35 | 28 32 | 0 57 | 5 20 |
| S 24 | 23 19 | 20 23 | 2 40 | 20 17 | 2 30 | 15 20 | 1 24 | 22 12 | 0 12 | 23 12 | 0 17 | 11 36 | 1 58 | 3 27 | 0 41 | 2 51 | 1 44 | 26 56 | 10 45 | 7 9 | 6 36 | 28 32 | 0 56 | 5 20 |
| S 25 | 23 15 | 14 48 | 1 30 | 20 29 | 2 21 | 14 54 | 1 21 | 22 19 | 0 13 | 23 11 | 0 17 | 11 34 | 1 58 | 3 28 | 0 41 | 2 51 | 1 44 | 26 56 | 10 46 | 7 10 | 6 37 | 28 32 | 0 56 | 5 21 |
| M26 | 23 11 | 8 37 | 0 17 | 20 42 | 2 12 | 14 28 | 1 18 | 22 26 | 0 14 | 23 9 | 0 17 | 11 32 | 1 58 | 3 28 | 0 41 | 2 52 | 1 44 | 26 57 | 10 46 | 7 11 | 6 38 | 28 32 | 0 55 | 5 21 |
| T 27 | 23 6 | 2 15 | 0s56 | 20 56 | 2 3 | 14 1 | 1 14 | 22 33 | 0 14 | 23 8 | 0 17 | 11 30 | 1 58 | 3 28 | 0 41 | 2 52 | 1 44 | 26 57 | 10 46 | 7 11 | 6 40 | 28 31 | 0 55 | 5 22 |
| W28 | 23 1 | 4s 1 | 2 2 | 21 10 | 1 54 | 13 34 | 1 11 | 22 39 | 0 15 | 23 7 | 0 17 | 11 28 | 1 58 | 3 29 | 0 41 | 2 52 | 1 45 | 26 58 | 10 46 | 7 10 | 6 41 | 28 31 | 0 55 | 5 22 |
| T 29 | 22 55 | 9 56 | 3 1 | 21 24 | 1 44 | 13 7 | 1 7 | 22 46 | 0 16 | 23 5 | 0 17 | 11 25 | 1 58 | 3 29 | 0 41 | 2 52 | 1 45 | 26 59 | 10 47 | 7 10 | 6 42 | 28 31 | 0 55 | 5 22 |
| F 30 | 22 48 | 15 18 | 3 50 | 21 38 | 1 35 | 12 40 | 1 3 | 22 52 | 0 16 | 23 4 | 0 17 | 11 23 | 1 58 | 3 29 | 0 41 | 2 52 | 1 45 | 26 59 | 10 47 | 7 11 | 6 43 | 28 31 | 0 55 | 5 23 |
| S 31 | 22s42 | 19s58 | 4s27 | 21s51 | 1n25 | 12s12 | 0s59 | 22s58 | 0s17 | 23s 2 | 0s18 | 11s21 | 1s57 | 3s29 | 0n41 | 2s52 | 1n45 | 27n 0 | 10n47 | 7s13 | 6s45 | 28s31 | 0n55 | 5s23 |

Julian Day Number = 2073493.5, Delta T = 27m27s
Ecliptic obliquity = 23°34'32, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'53, Lahiri = 9°25'53 Julian Calendar 1 Dec. 964 == Greg. Calendar 6 Dec. 964


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## JANUARY 965 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 2 25 | 16♉18'21 | 24♏42 | 22♐ 5 | 1♓51 | 15♐20 | 15♉ 3 | 5♓38 | 10♎20 | 11♎14 | 14°R 1 | 11°R37 | 12♓52 | 29♐31 | 15°R 9 | S 1 |
| M 2 | 7 6 22 | 17°19'27 | 6♐37 | 23°11 | 2°58 | 16° 4 | 15°18 | 5°43 | 10°20 | 11°15 | 14♌ 0 | 11♓28 | 12°49 | 29°38 | 15♍ 9 | M 2 |
| T 3 | 7 10 19 | 18°20'31 | 18°29 | 24°18 | 4° 4 | 16°48 | 15°32 | 5°49 | 10°21 | 11°15 | 13°58 | 11°18 | 12°46 | 29°44 | 15° 7 | T 3 |
| W 4 | 7 14 15 | 19°21'35 | 0♉20 | 25°28 | 5°11 | 17°33 | 15°46 | 5°55 | 10°21 | 11°15 | 13°57 | 11° 7 | 12°43 | 29°51 | 15° 6 | W 4 |
| T 5 | 7 18 12 | 20°22'38 | 12°13 | 26°40 | 6°17 | 18°17 | 16° 0 | 6° 1 | 10°21 | 11°15 | 13°56 | 10°56 | 12°40 | 29°58 | 15° 5 | T 5 |
| F 6 | 7 22 8 | 21°23'40 | 24° 8 | 27°53 | 7°23 | 19° 1 | 16°14 | 6° 7 | 10°21 | 11°15 | 13°54 | 10°47 | 12°37 | 0♉ 4 | 15° 4 | F 6 |
| S 7 | 7 26 5 | 22°24'41 | 6♒ 7 | 29° 9 | 8°29 | 19°45 | 16°28 | 6°13 | 10°22 | 11°R15 | 13°53 | 10°40 | 12°33 | 0°11 | 15° 2 | S 7 |
| S 8 | 7 30 1 | 23°25'41 | 18°12 | 0♉25 | 9°35 | 20°30 | 16°42 | 6°19 | 10°22 | 11°15 | 13°52 | 10°35 | 12°30 | 0°18 | 15° 0 | S 8 |
| M 9 | 7 33 58 | 24°26'39 | 0♓25 | 1°43 | 10°40 | 21°14 | 16°57 | 6°25 | 10°R22 | 11°15 | 13°50 | 10°32 | 12°27 | 0°25 | 14°59 | M 9 |
| T 10 | 7 37 54 | 25°27'37 | 12°47 | 3° 3 | 11°45 | 21°59 | 17°11 | 6°31 | 10°22 | 11°15 | 13°49 | 10°D31 | 12°24 | 0°31 | 14°57 | T 10 |
| W11 | 7 41 51 | 26°28'33 | 25°22 | 4°23 | 12°50 | 22°43 | 17°25 | 6°38 | 10°22 | 11°15 | 13°47 | 10°32 | 12°21 | 0°38 | 14°55 | W11 |
| T 12 | 7 45 48 | 27°29'28 | 8♈13 | 5°45 | 13°54 | 23°27 | 17°39 | 6°44 | 10°21 | 11°14 | 13°46 | 10°34 | 12°17 | 0°45 | 14°53 | T 12 |
| F 13 | 7 49 44 | 28°30'21 | 21°22 | 7° 8 | 14°59 | 24°12 | 17°53 | 6°50 | 10°21 | 11°14 | 13°44 | 10°35 | 12°14 | 0°52 | 14°51 | F 13 |
| S 14 | 7 53 41 | 29°31'13 | 4♉54 | 8°32 | 16° 2 | 24°57 | 18° 7 | 6°57 | 10°21 | 11°14 | 13°43 | 10°R35 | 12°11 | 0°58 | 14°48 | S 14 |
| S 15 | 7 57 37 | 0♒32'03 | 18°50 | 9°57 | 17° 6 | 25°41 | 18°21 | 7° 3 | 10°21 | 11°14 | 13°42 | 10°33 | 12° 8 | 1° 5 | 14°46 | S 15 |
| M16 | 8 1 34 | 1°32'52 | 3♊10 | 11°23 | 18° 9 | 26°26 | 18°35 | 7°10 | 10°20 | 11°14 | 13°40 | 10°30 | 12° 5 | 1°12 | 14°44 | M16 |
| T 17 | 8 5 30 | 2°33'39 | 17°51 | 12°50 | 19°12 | 27°10 | 18°49 | 7°16 | 10°20 | 11°13 | 13°39 | 10°25 | 12° 2 | 1°18 | 14°41 | T 17 |
| W18 | 8 9 27 | 3°34'25 | 2♋49 | 14°17 | 20°14 | 27°55 | 19° 3 | 7°23 | 10°19 | 11°13 | 13°37 | 10°20 | 11°58 | 1°25 | 14°38 | W18 |
| T 19 | 8 13 23 | 4°35'09 | 17°56 | 15°46 | 21°16 | 28°40 | 19°17 | 7°30 | 10°19 | 11°12 | 13°36 | 10°14 | 11°55 | 1°32 | 14°36 | T 19 |
| F 20 | 8 17 20 | 5°35'52 | 3♌ 1 | 17°16 | 22°18 | 29°25 | 19°31 | 7°36 | 10°18 | 11°12 | 13°34 | 10° 9 | 11°52 | 1°39 | 14°33 | F 20 |
| S 21 | 8 21 17 | 6°36'33 | 17°55 | 18°46 | 23°19 | 0♉ 9 | 19°44 | 7°43 | 10°18 | 11°12 | 13°33 | 10° 6 | 11°49 | 1°45 | 14°30 | S 21 |
| S 22 | 8 25 13 | 7°37'13 | 2♍30 | 20°18 | 24°20 | 0°54 | 19°58 | 7°50 | 10°17 | 11°11 | 13°31 | 10° 5 | 11°46 | 1°52 | 14°27 | S 22 |
| M23 | 8 29 10 | 8°37'51 | 16°40 | 21°50 | 25°20 | 1°39 | 20°12 | 7°57 | 10°16 | 11°11 | 13°30 | 10°D 4 | 11°43 | 1°59 | 14°24 | M23 |
| T 24 | 8 33 6 | 9°38'28 | 0♎24 | 23°23 | 26°20 | 2°24 | 20°26 | 8° 3 | 10°16 | 11°10 | 13°28 | 10° 6 | 11°39 | 2° 5 | 14°20 | T 24 |
| W25 | 8 37 3 | 10°39'04 | 13°40 | 24°57 | 27°20 | 3° 9 | 20°40 | 8°10 | 10°15 | 11° 9 | 13°27 | 10° 7 | 11°36 | 2°12 | 14°17 | W25 |
| T 26 | 8 40 59 | 11°39'39 | 26°32 | 26°32 | 28°19 | 3°54 | 20°53 | 8°17 | 10°14 | 11° 9 | 13°25 | 10° 9 | 11°33 | 2°19 | 14°14 | T 26 |
| F 27 | 8 44 56 | 12°40'12 | 9♏ 2 | 28° 8 | 29°17 | 4°39 | 21° 7 | 8°24 | 10°13 | 11° 8 | 13°24 | 10°R10 | 11°30 | 2°26 | 14°10 | F 27 |
| S 28 | 8 48 52 | 13°40'44 | 21°16 | 29°44 | 0♈15 | 5°24 | 21°21 | 8°31 | 10°12 | 11° 7 | 13°22 | 10° 9 | 11°27 | 2°32 | 14° 7 | S 28 |
| S 29 | 8 52 49 | 14°41'14 | 3♐18 | 1♒22 | 1°13 | 6° 9 | 21°34 | 8°38 | 10°11 | 11° 7 | 13°21 | 10° 8 | 11°23 | 2°39 | 14° 3 | S 29 |
| M30 | 8 56 46 | 15°41'44 | 15°12 | 3° 0 | 2°10 | 6°54 | 21°48 | 8°45 | 10°10 | 11° 6 | 13°19 | 10° 5 | 11°20 | 2°46 | 13°59 | M30 |
| T 31 | 9 0 42 | 16♒42'12 | 27♐ 3 | 4♒40 | 3♈ 6 | 7♉39 | 22♉ 1 | 8♓52 | 10♎ 9 | 11♎ 5 | 13♌18 | 10♓ 2 | 11♓17 | 2♉52 | 13♍56 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s34 | 23s46 | 4s52 | 22s 5 | 1n16 | 11s44 | 0s55 | 23s 3 | 0s18 | 23s 1 | 0s18 | 11s19 | 1s57 | 3s29 | 0n41 | 2s52 | 1n45 | 27n 1 | 10n47 | 7s15 | 6s46 | 28s30 | 0n54 | 5s24 |
| M 2 | 22 27 | 26 32 | 5 4 | 22 18 | 1 6 | 11 16 | 0 51 | 23 9 | 0 18 | 22 59 | 0 18 | 11 17 | 1 57 | 3 29 | 0 41 | 2 52 | 1 45 | 27 1 | 10 48 | 7 18 | 6 47 | 28 30 | 0 54 | 5 24 |
| T 3 | 22 19 | 28 6 | 5 3 | 22 30 | 0 57 | 10 48 | 0 47 | 23 14 | 0 19 | 22 58 | 0 18 | 11 14 | 1 57 | 3 30 | 0 41 | 2 52 | 1 45 | 27 2 | 10 48 | 7 22 | 6 48 | 28 30 | 0 55 | 5 24 |
| W 4 | 22 10 | 28 23 | 4 48 | 22 42 | 0 48 | 10 19 | 0 42 | 23 19 | 0 20 | 22 56 | 0 18 | 11 12 | 1 57 | 3 30 | 0 41 | 2 52 | 1 45 | 27 2 | 10 48 | 7 26 | 6 49 | 28 30 | 0 55 | 5 25 |
| T 5 | 22 1 | 27 21 | 4 21 | 22 54 | 0 38 | 9 50 | 0 38 | 23 24 | 0 21 | 22 55 | 0 18 | 11 10 | 1 57 | 3 30 | 0 41 | 2 52 | 1 45 | 27 3 | 10 48 | 7 30 | 6 51 | 28 29 | 0 55 | 5 25 |
| F 6 | 21 52 | 25 4 | 3 43 | 23 4 | 0 29 | 9 22 | 0 33 | 23 28 | 0 21 | 22 53 | 0 18 | 11 8 | 1 57 | 3 30 | 0 41 | 2 52 | 1 45 | 27 4 | 10 48 | 7 34 | 6 52 | 28 29 | 0 55 | 5 25 |
| S 7 | 21 42 | 21 40 | 2 54 | 23 14 | 0 21 | 8 52 | 0 29 | 23 33 | 0 22 | 22 51 | 0 18 | 11 5 | 1 57 | 3 30 | 0 41 | 2 52 | 1 45 | 27 4 | 10 49 | 7 37 | 6 53 | 28 29 | 0 55 | 5 26 |
| S 8 | 21 32 | 17 19 | 1 57 | 23 22 | 0 12 | 8 23 | 0 24 | 23 37 | 0 23 | 22 50 | 0 18 | 11 3 | 1 57 | 3 30 | 0 41 | 2 52 | 1 45 | 27 5 | 10 49 | 7 39 | 6 54 | 28 29 | 0 56 | 5 26 |
| M 9 | 21 21 | 12 14 | 0 54 | 23 30 | 0 4 | 7 54 | 0 19 | 23 41 | 0 24 | 22 48 | 0 18 | 11 1 | 1 57 | 3 30 | 0 41 | 2 52 | 1 45 | 27 5 | 10 49 | 7 40 | 6 56 | 28 28 | 0 56 | 5 27 |
| T 10 | 21 10 | 6 37 | 0n12 | 23 37 | 0s 5 | 7 24 | 0 14 | 23 44 | 0 24 | 22 46 | 0 19 | 10 58 | 1 56 | 3 30 | 0 41 | 2 52 | 1 45 | 27 6 | 10 49 | 7 40 | 6 57 | 28 28 | 0 56 | 5 27 |
| W11 | 20 59 | 0 38 | 1 20 | 23 43 | 0 13 | 6 55 | 0 9 | 23 47 | 0 25 | 22 45 | 0 19 | 10 56 | 1 56 | 3 30 | 0 41 | 2 51 | 1 45 | 27 7 | 10 49 | 7 39 | 6 58 | 28 28 | 0 57 | 5 27 |
| T 12 | 20 47 | 5n29 | 2 24 | 23 48 | 0 21 | 6 25 | 0 3 | 23 50 | 0 26 | 22 43 | 0 19 | 10 53 | 1 56 | 3 30 | 0 41 | 2 51 | 1 45 | 27 7 | 10 50 | 7 39 | 6 59 | 28 27 | 0 57 | 5 28 |
| F 13 | 20 35 | 11 31 | 3 23 | 23 51 | 0 28 | 5 55 | 0n 2 | 23 53 | 0 26 | 22 41 | 0 19 | 10 51 | 1 56 | 3 29 | 0 41 | 2 51 | 1 46 | 27 8 | 10 50 | 7 38 | 7 0 | 28 27 | 0 58 | 5 28 |
| S 14 | 20 22 | 17 11 | 4 12 | 23 53 | 0 36 | 5 25 | 0 8 | 23 56 | 0 27 | 22 39 | 0 19 | 10 48 | 1 56 | 3 29 | 0 41 | 2 51 | 1 46 | 27 8 | 10 50 | 7 38 | 7 2 | 28 27 | 0 58 | 5 28 |
| S 15 | 20 9 | 22 8 | 4 48 | 23 55 | 0 43 | 4 55 | 0 13 | 23 58 | 0 28 | 22 38 | 0 19 | 10 46 | 1 56 | 3 29 | 0 41 | 2 51 | 1 46 | 27 9 | 10 50 | 7 39 | 7 3 | 28 26 | 0 59 | 5 28 |
| M16 | 19 56 | 25 56 | 5 8 | 23 55 | 0 50 | 4 25 | 0 19 | 24 0 | 0 29 | 22 36 | 0 19 | 10 43 | 1 56 | 3 29 | 0 41 | 2 51 | 1 46 | 27 10 | 10 50 | 7 40 | 7 4 | 28 26 | 1 0 | 5 29 |
| T 17 | 19 42 | 28 7 | 5 8 | 23 53 | 0 56 | 3 55 | 0 24 | 24 2 | 0 29 | 22 34 | 0 19 | 10 41 | 1 56 | 3 29 | 0 41 | 2 51 | 1 46 | 27 10 | 10 50 | 7 42 | 7 5 | 28 26 | 1 0 | 5 29 |
| W18 | 19 28 | 28 20 | 4 47 | 23 51 | 1 3 | 3 25 | 0 30 | 24 4 | 0 30 | 22 32 | 0 19 | 10 38 | 1 56 | 3 29 | 0 41 | 2 50 | 1 46 | 27 11 | 10 50 | 7 44 | 7 7 | 28 25 | 1 1 | 5 29 |
| T 19 | 19 13 | 26 26 | 4 6 | 23 47 | 1 9 | 2 55 | 0 36 | 24 5 | 0 31 | 22 30 | 0 20 | 10 36 | 1 56 | 3 28 | 0 41 | 2 50 | 1 46 | 27 11 | 10 51 | 7 46 | 7 8 | 28 25 | 1 2 | 5 30 |
| F 20 | 18 59 | 22 39 | 3 8 | 23 41 | 1 15 | 2 26 | 0 42 | 24 6 | 0 32 | 22 28 | 0 20 | 10 33 | 1 56 | 3 28 | 0 41 | 2 50 | 1 46 | 27 12 | 10 51 | 7 48 | 7 9 | 28 25 | 1 3 | 5 30 |
| S 21 | 18 44 | 17 25 | 1 58 | 23 35 | 1 20 | 1 56 | 0 48 | 24 7 | 0 32 | 22 26 | 0 20 | 10 31 | 1 56 | 3 28 | 0 41 | 2 50 | 1 46 | 27 12 | 10 51 | 7 49 | 7 10 | 28 24 | 1 4 | 5 30 |
| S 22 | 18 28 | 11 17 | 0 41 | 23 27 | 1 26 | 1 26 | 0 55 | 24 7 | 0 33 | 22 25 | 0 20 | 10 28 | 1 56 | 3 28 | 0 41 | 2 49 | 1 46 | 27 13 | 10 51 | 7 50 | 7 11 | 28 24 | 1 5 | 5 30 |
| M23 | 18 12 | 4 44 | 0s36 | 23 17 | 1 31 | 0 56 | 1 1 | 24 8 | 0 34 | 22 23 | 0 20 | 10 25 | 1 56 | 3 27 | 0 42 | 2 49 | 1 46 | 27 13 | 10 51 | 7 50 | 7 13 | 28 23 | 1 6 | 5 30 |
| T 24 | 17 56 | 1s49 | 1 49 | 23 6 | 1 36 | 0 26 | 1 7 | 24 8 | 0 35 | 22 21 | 0 20 | 10 23 | 1 56 | 3 27 | 0 42 | 2 49 | 1 46 | 27 14 | 10 51 | 7 50 | 7 14 | 28 23 | 1 7 | 5 31 |
| W25 | 17 40 | 8 5 | 2 54 | 22 54 | 1 40 | 0n 4 | 1 14 | 24 8 | 0 35 | 22 19 | 0 20 | 10 20 | 1 56 | 3 27 | 0 42 | 2 49 | 1 46 | 27 15 | 10 51 | 7 49 | 7 15 | 28 22 | 1 8 | 5 31 |
| T 26 | 17 23 | 13 49 | 3 47 | 22 40 | 1 44 | 0 33 | 1 21 | 24 7 | 0 36 | 22 17 | 0 20 | 10 18 | 1 55 | 3 26 | 0 42 | 2 48 | 1 46 | 27 15 | 10 51 | 7 48 | 7 16 | 28 22 | 1 9 | 5 31 |
| F 27 | 17 6 | 18 50 | 4 29 | 22 25 | 1 48 | 1 3 | 1 27 | 24 6 | 0 37 | 22 15 | 0 20 | 10 15 | 1 55 | 3 26 | 0 42 | 2 48 | 1 46 | 27 16 | 10 51 | 7 48 | 7 18 | 28 22 | 1 10 | 5 31 |
| S 28 | 16 49 | 22 57 | 4 57 | 22 8 | 1 51 | 1 32 | 1 34 | 24 5 | 0 37 | 22 13 | 0 21 | 10 12 | 1 55 | 3 25 | 0 42 | 2 48 | 1 46 | 27 16 | 10 51 | 7 48 | 7 19 | 28 21 | 1 11 | 5 31 |
| S 29 | 16 31 | 26 1 | 5 11 | 21 50 | 1 55 | 2 1 | 1 41 | 24 4 | 0 38 | 22 11 | 0 21 | 10 9 | 1 55 | 3 25 | 0 42 | 2 47 | 1 47 | 27 17 | 10 52 | 7 49 | 7 20 | 28 21 | 1 13 | 5 32 |
| M30 | 16 13 | 27 55 | 5 12 | 21 30 | 1 57 | 2 31 | 1 48 | 24 3 | 0 39 | 22 9 | 0 21 | 10 7 | 1 55 | 3 24 | 0 42 | 2 47 | 1 47 | 27 17 | 10 52 | 7 50 | 7 21 | 28 20 | 1 14 | 5 32 |
| T 31 | 15s55 | 28s33 | 5s 0 | 21s 8 | 2s 0 | 3n 0 | 1n55 | 24s 1 | 0s40 | 22s 6 | 0s21 | 10s 4 | 1s55 | 3s24 | 0n42 | 2s47 | 1n47 | 27n18 | 10n52 | 7s51 | 7s22 | 28s20 | 1n15 | 5s32 |

Julian Day Number = 2073524.5, Delta T = 27m26s
Ecliptic obliquity = 23°34'32, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°18'57, Lahiri = 9°25'57 Julian Calendar 1 Jan. 965 == Greg. Calendar 6 Jan. 965


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## FEBRUARY 965 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 4 39 | 17♒42'38 | 8♉54 | 6♒20 | 4♈ 2 | 8♉24 | 22♉15 | 9♓ 0 | 10°R 7 | 11°R 4 | 13°R16 | 9°R58 | 11♓14 | 2♉59 | 13°R52 | W 1 |
| T 2 | 9 8 35 | 18°43'03 | 20°48 | 8° 1 | 4°57 | 9° 9 | 22°28 | 9° 7 | 10♎ 6 | 11♎ 4 | 13♌15 | 9♓54 | 11°11 | 3° 6 | 13♍48 | T 2 |
| F 3 | 9 12 32 | 19°43'26 | 2♒49 | 9°44 | 5°52 | 9°54 | 22°42 | 9°14 | 10° 5 | 11° 3 | 13°13 | 9°51 | 11° 8 | 3°13 | 13°44 | F 3 |
| S 4 | 9 16 28 | 20°43'47 | 14°57 | 11°27 | 6°46 | 10°39 | 22°55 | 9°21 | 10° 4 | 11° 2 | 13°12 | 9°48 | 11° 4 | 3°19 | 13°40 | S 4 |
| S 5 | 9 20 25 | 21°44'07 | 27°15 | 13°11 | 7°39 | 11°25 | 23° 8 | 9°28 | 10° 2 | 11° 1 | 13°10 | 9°47 | 11° 1 | 3°26 | 13°36 | S 5 |
| M 6 | 9 24 21 | 22°44'25 | 9♓43 | 14°56 | 8°32 | 12°10 | 23°22 | 9°36 | 10° 1 | 11° 0 | 13° 9 | 9°D46 | 10°58 | 3°33 | 13°32 | M 6 |
| T 7 | 9 28 18 | 23°44'40 | 22°23 | 16°43 | 9°24 | 12°55 | 23°35 | 9°43 | 9°59 | 10°59 | 13° 7 | 9°47 | 10°55 | 3°39 | 13°28 | T 7 |
| W 8 | 9 32 15 | 24°44'54 | 5♈15 | 18°30 | 10°15 | 13°40 | 23°48 | 9°50 | 9°58 | 10°58 | 13° 6 | 9°48 | 10°52 | 3°46 | 13°23 | W 8 |
| T 9 | 9 36 11 | 25°45'06 | 18°21 | 20°18 | 11° 5 | 14°26 | 24° 1 | 9°57 | 9°56 | 10°57 | 13° 5 | 9°49 | 10°49 | 3°53 | 13°19 | T 9 |
| F 10 | 9 40 8 | 26°45'16 | 1♉42 | 22° 8 | 11°55 | 15°11 | 24°14 | 10° 5 | 9°55 | 10°56 | 13° 3 | 9°50 | 10°45 | 4° 0 | 13°15 | F 10 |
| S 11 | 9 44 4 | 27°45'23 | 15°18 | 23°58 | 12°43 | 15°56 | 24°27 | 10°12 | 9°53 | 10°55 | 13° 2 | 9°51 | 10°42 | 4° 6 | 13°10 | S 11 |
| S 12 | 9 48 1 | 28°45'29 | 29°10 | 25°50 | 13°31 | 16°42 | 24°40 | 10°19 | 9°51 | 10°54 | 13° 0 | 9°R51 | 10°39 | 4°13 | 13° 6 | S 12 |
| M13 | 9 51 57 | 29°45'32 | 13♊18 | 27°42 | 14°18 | 17°27 | 24°53 | 10°27 | 9°49 | 10°53 | 12°59 | 9°51 | 10°36 | 4°20 | 13° 1 | M13 |
| T 14 | 9 55 54 | 0♓45'33 | 27°40 | 29°36 | 15° 4 | 18°13 | 25° 6 | 10°34 | 9°48 | 10°52 | 12°57 | 9°50 | 10°33 | 4°26 | 12°57 | T 14 |
| W15 | 9 59 50 | 1°45'32 | 12♋13 | 1♓30 | 15°49 | 18°58 | 25°19 | 10°42 | 9°46 | 10°50 | 12°56 | 9°49 | 10°29 | 4°33 | 12°52 | W15 |
| T 16 | 10 3 47 | 2°45'29 | 26°52 | 3°25 | 16°33 | 19°43 | 25°31 | 10°49 | 9°44 | 10°49 | 12°55 | 9°48 | 10°26 | 4°40 | 12°48 | T 16 |
| F 17 | 10 7 44 | 3°45'23 | 11♌31 | 5°21 | 17°16 | 20°29 | 25°44 | 10°56 | 9°42 | 10°48 | 12°53 | 9°48 | 10°23 | 4°46 | 12°43 | F 17 |
| S 18 | 10 11 40 | 4°45'15 | 26° 4 | 7°18 | 17°58 | 21°14 | 25°57 | 11° 4 | 9°40 | 10°47 | 12°52 | 9°47 | 10°20 | 4°53 | 12°38 | S 18 |
| S 19 | 10 15 37 | 5°45'05 | 10♍25 | 9°16 | 18°39 | 22° 0 | 26° 9 | 11°11 | 9°38 | 10°46 | 12°50 | 9°D47 | 10°17 | 5° 0 | 12°34 | S 19 |
| M20 | 10 19 33 | 6°44'53 | 24°28 | 11°14 | 19°18 | 22°45 | 26°22 | 11°19 | 9°36 | 10°44 | 12°49 | 9°47 | 10°14 | 5° 7 | 12°29 | M20 |
| T 21 | 10 23 30 | 7°44'39 | 8♎ 9 | 13°13 | 19°56 | 23°31 | 26°34 | 11°26 | 9°34 | 10°43 | 12°48 | 9°47 | 10°10 | 5°13 | 12°24 | T 21 |
| W22 | 10 27 26 | 8°44'23 | 21°28 | 15°12 | 20°33 | 24°17 | 26°46 | 11°34 | 9°32 | 10°42 | 12°46 | 9°48 | 10° 7 | 5°20 | 12°20 | W22 |
| T 23 | 10 31 23 | 9°44'06 | 4♏25 | 17°11 | 21° 9 | 25° 2 | 26°58 | 11°41 | 9°30 | 10°40 | 12°45 | 9°R48 | 10° 4 | 5°27 | 12°15 | T 23 |
| F 24 | 10 35 19 | 10°43'46 | 17° 0 | 19° 9 | 21°43 | 25°48 | 27°11 | 11°49 | 9°28 | 10°39 | 12°44 | 9°48 | 10° 1 | 5°33 | 12°10 | F 24 |
| S 25 | 10 39 16 | 11°43'25 | 29°18 | 21° 8 | 22°16 | 26°33 | 27°23 | 11°56 | 9°26 | 10°38 | 12°43 | 9°48 | 9°58 | 5°40 | 12° 6 | S 25 |
| S 26 | 10 43 13 | 12°43'02 | 11♐23 | 23° 5 | 22°48 | 27°19 | 27°35 | 12° 4 | 9°24 | 10°36 | 12°41 | 9°D48 | 9°55 | 5°47 | 12° 1 | S 26 |
| M27 | 10 47 9 | 13°42'38 | 23°19 | 25° 1 | 23°18 | 28° 5 | 27°47 | 12°11 | 9°21 | 10°35 | 12°40 | 9°48 | 9°51 | 5°54 | 11°56 | M27 |
| T 28 | 10 51 6 | 14♓42'11 | 5♉11 | 26♓56 | 23♈46 | 28♉50 | 27♉58 | 12♓18 | 9♎19 | 10♎33 | 12♌39 | 9♓48 | 9♓48 | 6♉ 0 | 11♍51 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s37 | 27s51 | 4s35 | 20s46 | 2s 2 | 3n28 | 2n 2 | 23s59 | 0s40 | 22s 4 | 0s21 | 10s 1 | 1s55 | 3s23 | 0n42 | 2s46 | 1n47 | 27n18 | 10n52 | 7s52 | 7s24 | 28s19 | 1n17 | 5s32 |
| T 2 | 15 18 | 25 52 | 3 58 | 20 21 | 2 3 | 3 57 | 2 9 | 23 57 | 0 41 | 22 2 | 0 21 | 9 59 | 1 55 | 3 23 | 0 42 | 2 46 | 1 47 | 27 19 | 10 52 | 7 54 | 7 25 | 28 19 | 1 18 | 5 32 |
| F 3 | 14 59 | 22 43 | 3 10 | 19 55 | 2 5 | 4 25 | 2 16 | 23 54 | 0 42 | 22 0 | 0 21 | 9 56 | 1 55 | 3 22 | 0 42 | 2 46 | 1 47 | 27 19 | 10 52 | 7 55 | 7 26 | 28 18 | 1 19 | 5 32 |
| S 4 | 14 40 | 18 33 | 2 13 | 19 27 | 2 5 | 4 53 | 2 23 | 23 51 | 0 43 | 21 58 | 0 21 | 9 53 | 1 55 | 3 22 | 0 42 | 2 45 | 1 47 | 27 20 | 10 52 | 7 56 | 7 27 | 28 18 | 1 21 | 5 32 |
| S 5 | 14 20 | 13 34 | 1 9 | 18 58 | 2 6 | 5 21 | 2 31 | 23 48 | 0 43 | 21 56 | 0 22 | 9 50 | 1 55 | 3 21 | 0 42 | 2 45 | 1 47 | 27 20 | 10 52 | 7 57 | 7 28 | 28 17 | 1 22 | 5 32 |
| M 6 | 14 1 | 7 58 | 0 0 | 18 27 | 2 6 | 5 49 | 2 38 | 23 45 | 0 44 | 21 54 | 0 22 | 9 48 | 1 55 | 3 21 | 0 42 | 2 44 | 1 47 | 27 21 | 10 52 | 7 57 | 7 30 | 28 17 | 1 24 | 5 32 |
| T 7 | 13 41 | 1 59 | 1n 9 | 17 54 | 2 5 | 6 17 | 2 46 | 23 41 | 0 45 | 21 52 | 0 22 | 9 45 | 1 55 | 3 20 | 0 42 | 2 44 | 1 47 | 27 21 | 10 52 | 7 57 | 7 31 | 28 16 | 1 25 | 5 33 |
| W 8 | 13 21 | 4n11 | 2 16 | 17 20 | 2 4 | 6 44 | 2 53 | 23 38 | 0 46 | 21 50 | 0 22 | 9 42 | 1 55 | 3 19 | 0 42 | 2 43 | 1 47 | 27 22 | 10 52 | 7 56 | 7 32 | 28 16 | 1 27 | 5 33 |
| T 9 | 13 0 | 10 16 | 3 17 | 16 44 | 2 3 | 7 11 | 3 1 | 23 34 | 0 46 | 21 47 | 0 22 | 9 39 | 1 55 | 3 19 | 0 42 | 2 43 | 1 47 | 27 22 | 10 52 | 7 56 | 7 33 | 28 15 | 1 29 | 5 33 |
| F 10 | 12 40 | 16 1 | 4 9 | 16 7 | 2 1 | 7 37 | 3 8 | 23 29 | 0 47 | 21 45 | 0 22 | 9 36 | 1 55 | 3 18 | 0 42 | 2 43 | 1 47 | 27 22 | 10 52 | 7 55 | 7 35 | 28 15 | 1 30 | 5 33 |
| S 11 | 12 19 | 21 6 | 4 48 | 15 28 | 1 59 | 8 4 | 3 16 | 23 25 | 0 48 | 21 43 | 0 22 | 9 34 | 1 55 | 3 18 | 0 42 | 2 42 | 1 47 | 27 23 | 10 52 | 7 55 | 7 36 | 28 14 | 1 32 | 5 33 |
| S 12 | 11 58 | 25 9 | 5 11 | 14 48 | 1 56 | 8 29 | 3 24 | 23 20 | 0 49 | 21 41 | 0 22 | 9 31 | 1 55 | 3 17 | 0 42 | 2 42 | 1 47 | 27 23 | 10 52 | 7 55 | 7 37 | 28 13 | 1 34 | 5 33 |
| M13 | 11 37 | 27 45 | 5 16 | 14 6 | 1 52 | 8 55 | 3 32 | 23 15 | 0 49 | 21 39 | 0 23 | 9 28 | 1 55 | 3 16 | 0 42 | 2 41 | 1 47 | 27 24 | 10 52 | 7 55 | 7 38 | 28 13 | 1 35 | 5 33 |
| T 14 | 11 16 | 28 35 | 5 1 | 13 22 | 1 48 | 9 20 | 3 39 | 23 9 | 0 50 | 21 36 | 0 23 | 9 25 | 1 55 | 3 15 | 0 42 | 2 41 | 1 47 | 27 24 | 10 52 | 7 55 | 7 39 | 28 12 | 1 37 | 5 33 |
| W15 | 10 55 | 27 27 | 4 28 | 12 37 | 1 44 | 9 45 | 3 47 | 23 4 | 0 51 | 21 34 | 0 23 | 9 22 | 1 55 | 3 15 | 0 42 | 2 40 | 1 47 | 27 25 | 10 52 | 7 56 | 7 41 | 28 12 | 1 39 | 5 33 |
| T 16 | 10 33 | 24 26 | 3 36 | 11 50 | 1 39 | 10 9 | 3 55 | 22 58 | 0 52 | 21 32 | 0 23 | 9 20 | 1 55 | 3 14 | 0 42 | 2 40 | 1 47 | 27 25 | 10 52 | 7 56 | 7 42 | 28 11 | 1 41 | 5 32 |
| F 17 | 10 11 | 19 50 | 2 30 | 11 2 | 1 33 | 10 33 | 4 3 | 22 52 | 0 52 | 21 30 | 0 23 | 9 17 | 1 55 | 3 13 | 0 42 | 2 39 | 1 47 | 27 25 | 10 52 | 7 56 | 7 43 | 28 10 | 1 42 | 5 32 |
| S 18 | 9 49 | 14 5 | 1 15 | 10 13 | 1 27 | 10 57 | 4 11 | 22 46 | 0 53 | 21 28 | 0 23 | 9 14 | 1 55 | 3 12 | 0 42 | 2 39 | 1 48 | 27 26 | 10 52 | 7 57 | 7 44 | 28 10 | 1 44 | 5 32 |
| S 19 | 9 27 | 7 39 | 0s 3 | 9 22 | 1 20 | 11 20 | 4 19 | 22 39 | 0 54 | 21 25 | 0 23 | 9 11 | 1 55 | 3 12 | 0 42 | 2 38 | 1 48 | 27 26 | 10 52 | 7 57 | 7 45 | 28 9 | 1 46 | 5 32 |
| M20 | 9 5 | 0 59 | 1 21 | 8 30 | 1 12 | 11 42 | 4 27 | 22 32 | 0 55 | 21 23 | 0 24 | 9 8 | 1 55 | 3 11 | 0 42 | 2 37 | 1 48 | 27 26 | 10 52 | 7 57 | 7 47 | 28 9 | 1 48 | 5 32 |
| T 21 | 8 43 | 5s34 | 2 31 | 7 37 | 1 4 | 12 4 | 4 35 | 22 25 | 0 55 | 21 21 | 0 24 | 9 5 | 1 55 | 3 10 | 0 42 | 2 37 | 1 48 | 27 27 | 10 52 | 7 56 | 7 48 | 28 8 | 1 50 | 5 32 |
| W22 | 8 20 | 11 41 | 3 31 | 6 43 | 0 56 | 12 26 | 4 43 | 22 18 | 0 56 | 21 19 | 0 24 | 9 3 | 1 55 | 3 9 | 0 42 | 2 36 | 1 48 | 27 27 | 10 52 | 7 56 | 7 49 | 28 7 | 1 52 | 5 32 |
| T 23 | 7 58 | 17 7 | 4 19 | 5 48 | 0 47 | 12 47 | 4 50 | 22 11 | 0 57 | 21 17 | 0 24 | 9 0 | 1 55 | 3 8 | 0 42 | 2 36 | 1 48 | 27 27 | 10 52 | 7 56 | 7 50 | 28 7 | 1 54 | 5 32 |
| F 24 | 7 35 | 21 41 | 4 52 | 4 53 | 0 37 | 13 7 | 4 58 | 22 3 | 0 57 | 21 14 | 0 24 | 8 57 | 1 55 | 3 7 | 0 42 | 2 35 | 1 48 | 27 28 | 10 51 | 7 56 | 7 51 | 28 6 | 1 56 | 5 31 |
| S 25 | 7 12 | 25 11 | 5 12 | 3 57 | 0 27 | 13 27 | 5 6 | 21 55 | 0 58 | 21 12 | 0 24 | 8 54 | 1 55 | 3 7 | 0 42 | 2 35 | 1 48 | 27 28 | 10 51 | 7 56 | 7 53 | 28 5 | 1 58 | 5 31 |
| S 26 | 6 49 | 27 30 | 5 17 | 3 0 | 0 16 | 13 46 | 5 14 | 21 47 | 0 59 | 21 10 | 0 24 | 8 51 | 1 55 | 3 6 | 0 42 | 2 34 | 1 48 | 27 28 | 10 51 | 7 56 | 7 54 | 28 5 | 2 0 | 5 31 |
| M27 | 6 26 | 28 32 | 5 8 | 2 4 | 0 5 | 14 4 | 5 22 | 21 38 | 1 0 | 21 8 | 0 25 | 8 48 | 1 56 | 3 5 | 0 42 | 2 34 | 1 48 | 27 29 | 10 51 | 7 56 | 7 55 | 28 4 | 2 2 | 5 31 |
| T 28 | 6s 3 | 28s15 | 4s47 | 1s 7 | 0n 7 | 14n22 | 5n29 | 21s30 | 1s 0 | 21s 5 | 0s25 | 8s46 | 1s56 | 3s 4 | 0n42 | 2s33 | 1n48 | 27n29 | 10n51 | 7s56 | 7s56 | 28s 3 | 2n 4 | 5s31 |

Julian Day Number = 2073555.5, Delta T = 27m26s
Ecliptic obliquity = 23°34'32, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'01, Lahiri = 9°26'02 Julian Calendar 1 Feb. 965 == Greg. Calendar 6 Feb. 965


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## MARCH 965 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 55 2 | 15♓41'43 | 17♉ 3 | 28♓49 | 24♈13 | 29♉36 | 28♉10 | 12♓26 | 9°R17 | 10°R32 | 12°R38 | 9♓48 | 9♓45 | 6♉ 7 | 11°R47 | W 1 |
| T 2 | 10 58 59 | 16°41'13 | 29° 0 | 0♈40 | 24°38 | 0♒22 | 28°22 | 12°33 | 9♎15 | 10♎30 | 12♌36 | 9°49 | 9°42 | 6°14 | 11♍42 | T 2 |
| F 3 | 11 2 55 | 17°40'41 | 11♒ 5 | 2°28 | 25° 1 | 1° 7 | 28°34 | 12°41 | 9°12 | 10°29 | 12°35 | 9°50 | 9°39 | 6°20 | 11°37 | F 3 |
| S 4 | 11 6 52 | 18°40'06 | 23°22 | 4°12 | 25°22 | 1°53 | 28°45 | 12°48 | 9°10 | 10°27 | 12°34 | 9°51 | 9°35 | 6°27 | 11°33 | S 4 |
| S 5 | 11 10 48 | 19°39'30 | 5♓52 | 5°54 | 25°42 | 2°39 | 28°56 | 12°56 | 9° 8 | 10°26 | 12°33 | 9°R51 | 9°32 | 6°34 | 11°28 | S 5 |
| M 6 | 11 14 45 | 20°38'52 | 18°38 | 7°31 | 25°59 | 3°25 | 29° 8 | 13° 3 | 9° 5 | 10°24 | 12°32 | 9°51 | 9°29 | 6°41 | 11°23 | M 6 |
| T 7 | 11 18 42 | 21°38'12 | 1♈39 | 9° 3 | 26°15 | 4°10 | 29°19 | 13°11 | 9° 3 | 10°23 | 12°31 | 9°50 | 9°26 | 6°47 | 11°19 | T 7 |
| W 8 | 11 22 38 | 22°37'29 | 14°55 | 10°31 | 26°28 | 4°56 | 29°30 | 13°18 | 9° 1 | 10°21 | 12°30 | 9°49 | 9°23 | 6°54 | 11°14 | W 8 |
| T 9 | 11 26 35 | 23°36'45 | 28°26 | 11°54 | 26°39 | 5°42 | 29°41 | 13°25 | 8°58 | 10°20 | 12°28 | 9°47 | 9°20 | 7° 1 | 11°10 | T 9 |
| F 10 | 11 30 31 | 24°35'58 | 12♉ 9 | 13°11 | 26°49 | 6°28 | 29°52 | 13°33 | 8°56 | 10°18 | 12°27 | 9°45 | 9°16 | 7° 7 | 11° 5 | F 10 |
| S 11 | 11 34 28 | 25°35'09 | 26° 2 | 14°22 | 26°55 | 7°13 | 0♒ 3 | 13°40 | 8°53 | 10°17 | 12°26 | 9°43 | 9°13 | 7°14 | 11° 1 | S 11 |
| S 12 | 11 38 24 | 26°34'17 | 10♊ 4 | 15°28 | 27° 0 | 7°59 | 0°14 | 13°48 | 8°51 | 10°15 | 12°25 | 9°42 | 9°10 | 7°21 | 10°56 | S 12 |
| M13 | 11 42 21 | 27°33'23 | 24°12 | 16°27 | 27°R 2 | 8°45 | 0°25 | 13°55 | 8°48 | 10°14 | 12°24 | 9°D41 | 9° 7 | 7°27 | 10°52 | M13 |
| T 14 | 11 46 17 | 28°32'27 | 8♋24 | 17°19 | 27° 2 | 9°31 | 0°35 | 14° 2 | 8°46 | 10°12 | 12°23 | 9°42 | 9° 4 | 7°34 | 10°47 | T 14 |
| W15 | 11 50 14 | 29°31'29 | 22°38 | 18° 5 | 26°59 | 10°17 | 0°46 | 14°10 | 8°43 | 10°10 | 12°23 | 9°42 | 9° 1 | 7°41 | 10°43 | W15 |
| T 16 | 11 54 11 | 0♈30'28 | 6♌52 | 18°45 | 26°54 | 11° 2 | 0°56 | 14°17 | 8°41 | 10° 9 | 12°22 | 9°44 | 8°57 | 7°48 | 10°39 | T 16 |
| F 17 | 11 58 7 | 1°29'24 | 21° 3 | 19°17 | 26°46 | 11°48 | 1° 6 | 14°24 | 8°38 | 10° 7 | 12°21 | 9°45 | 8°54 | 7°54 | 10°35 | F 17 |
| S 18 | 12 2 4 | 2°28'18 | 5♍ 7 | 19°43 | 26°36 | 12°34 | 1°16 | 14°31 | 8°36 | 10° 6 | 12°20 | 9°R46 | 8°51 | 8° 1 | 10°30 | S 18 |
| S 19 | 12 6 0 | 3°27'10 | 19° 2 | 20° 2 | 26°24 | 13°20 | 1°26 | 14°39 | 8°33 | 10° 4 | 12°19 | 9°46 | 8°48 | 8° 8 | 10°26 | S 19 |
| M20 | 12 9 57 | 4°26'00 | 2♎45 | 20°14 | 26° 8 | 14° 5 | 1°36 | 14°46 | 8°30 | 10° 2 | 12°18 | 9°44 | 8°45 | 8°14 | 10°22 | M20 |
| T 21 | 12 13 53 | 5°24'48 | 16°12 | 20°R19 | 25°51 | 14°51 | 1°46 | 14°53 | 8°28 | 10° 1 | 12°17 | 9°42 | 8°41 | 8°21 | 10°18 | T 21 |
| W22 | 12 17 50 | 6°23'34 | 29°22 | 20°18 | 25°31 | 15°37 | 1°56 | 15° 0 | 8°25 | 9°59 | 12°17 | 9°38 | 8°38 | 8°28 | 10°14 | W22 |
| T 23 | 12 21 46 | 7°22'18 | 12♏15 | 20°11 | 25° 9 | 16°23 | 2° 5 | 15° 7 | 8°23 | 9°57 | 12°16 | 9°33 | 8°35 | 8°35 | 10°10 | T 23 |
| F 24 | 12 25 43 | 8°21'00 | 24°50 | 19°58 | 24°44 | 17° 9 | 2°15 | 15°14 | 8°20 | 9°56 | 12°15 | 9°29 | 8°32 | 8°41 | 10° 7 | F 24 |
| S 25 | 12 29 39 | 9°19'40 | 7♐ 9 | 19°39 | 24°18 | 17°54 | 2°24 | 15°21 | 8°18 | 9°54 | 12°14 | 9°25 | 8°29 | 8°48 | 10° 3 | S 25 |
| S 26 | 12 33 36 | 10°18'19 | 19°15 | 19°15 | 23°49 | 18°40 | 2°33 | 15°28 | 8°15 | 9°52 | 12°14 | 9°21 | 8°26 | 8°55 | 9°59 | S 26 |
| M27 | 12 37 33 | 11°16'55 | 1♑12 | 18°46 | 23°19 | 19°26 | 2°43 | 15°35 | 8°12 | 9°51 | 12°13 | 9°19 | 8°22 | 9° 1 | 9°56 | M27 |
| T 28 | 12 41 29 | 12°15'31 | 13° 4 | 18°14 | 22°47 | 20°12 | 2°52 | 15°42 | 8°10 | 9°49 | 12°13 | 9°D19 | 8°19 | 9° 8 | 9°52 | T 28 |
| W29 | 12 45 26 | 13°14'04 | 24°56 | 17°38 | 22°13 | 20°57 | 3° 0 | 15°49 | 8° 7 | 9°47 | 12°12 | 9°19 | 8°16 | 9°15 | 9°49 | W29 |
| T 30 | 12 49 22 | 14°12'36 | 6♒54 | 17° 0 | 21°38 | 21°43 | 3° 9 | 15°56 | 8° 5 | 9°46 | 12°11 | 9°21 | 8°13 | 9°21 | 9°45 | T 30 |
| F 31 | 12 53 19 | 15♈11'05 | 19♒ 1 | 16♈19 | 21♈ 3 | 22♒29 | 3♒18 | 16♓ 3 | 8♎ 2 | 9♎44 | 12♌11 | 9♓23 | 8♓10 | 9♉28 | 9♍42 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s40 | 26s39 | 4s13 | 0s11 | 0n19 | 14n39 | 5n37 | 21s21 | 1s 1 | 21s 3 | 0s25 | 8s43 | 1s56 | 3s 3 | 0n42 | 2s32 | 1n48 | 27n29 | 10n51 | 7s56 | 7s57 | 28s 2 | 2n 6 | 5s30 |
| T 2 | 5 17 | 23 52 | 3 28 | 0n44 | 0 31 | 14 55 | 5 44 | 21 12 | 1 2 | 21 1 | 0 25 | 8 40 | 1 56 | 3 2 | 0 42 | 2 32 | 1 48 | 27 30 | 10 51 | 7 56 | 7 59 | 28 2 | 2 8 | 5 30 |
| F 3 | 4 54 | 20 0 | 2 33 | 1 39 | 0 43 | 15 11 | 5 52 | 21 2 | 1 3 | 20 59 | 0 25 | 8 37 | 1 56 | 3 1 | 0 42 | 2 31 | 1 48 | 27 30 | 10 51 | 7 56 | 8 0 | 28 1 | 2 10 | 5 30 |
| S 4 | 4 30 | 15 14 | 1 30 | 2 32 | 0 56 | 15 25 | 5 59 | 20 53 | 1 3 | 20 56 | 0 25 | 8 34 | 1 56 | 3 0 | 0 42 | 2 31 | 1 48 | 27 30 | 10 51 | 7 55 | 8 1 | 28 0 | 2 12 | 5 30 |
| S 5 | 4 7 | 9 45 | 0 22 | 3 24 | 1 8 | 15 39 | 6 6 | 20 43 | 1 4 | 20 54 | 0 26 | 8 31 | 1 56 | 2 59 | 0 42 | 2 30 | 1 48 | 27 30 | 10 51 | 7 55 | 8 2 | 28 0 | 2 14 | 5 29 |
| M 6 | 3 44 | 3 47 | 0n48 | 4 14 | 1 21 | 15 52 | 6 13 | 20 33 | 1 5 | 20 52 | 0 26 | 8 29 | 1 56 | 2 58 | 0 42 | 2 29 | 1 48 | 27 30 | 10 50 | 7 55 | 8 3 | 27 59 | 2 16 | 5 29 |
| T 7 | 3 20 | 2n27 | 1 58 | 5 2 | 1 33 | 16 4 | 6 20 | 20 23 | 1 5 | 20 50 | 0 26 | 8 26 | 1 56 | 2 57 | 0 42 | 2 29 | 1 48 | 27 31 | 10 50 | 7 55 | 8 5 | 27 58 | 2 18 | 5 29 |
| W 8 | 2 57 | 8 42 | 3 2 | 5 48 | 1 45 | 16 15 | 6 26 | 20 12 | 1 6 | 20 48 | 0 26 | 8 23 | 1 56 | 2 56 | 0 42 | 2 28 | 1 48 | 27 31 | 10 50 | 7 56 | 8 6 | 27 57 | 2 20 | 5 28 |
| T 9 | 2 33 | 14 40 | 3 57 | 6 31 | 1 57 | 16 26 | 6 33 | 20 2 | 1 7 | 20 46 | 0 26 | 8 20 | 1 56 | 2 56 | 0 42 | 2 27 | 1 48 | 27 31 | 10 50 | 7 57 | 8 7 | 27 56 | 2 22 | 5 28 |
| F 10 | 2 9 | 20 0 | 4 40 | 7 11 | 2 8 | 16 35 | 6 39 | 19 51 | 1 7 | 20 43 | 0 26 | 8 17 | 1 56 | 2 55 | 0 42 | 2 27 | 1 48 | 27 31 | 10 50 | 7 57 | 8 8 | 27 56 | 2 24 | 5 28 |
| S 11 | 1 46 | 24 20 | 5 7 | 7 49 | 2 18 | 16 43 | 6 45 | 19 40 | 1 8 | 20 41 | 0 26 | 8 15 | 1 56 | 2 54 | 0 42 | 2 26 | 1 48 | 27 31 | 10 50 | 7 58 | 8 9 | 27 55 | 2 26 | 5 27 |
| S 12 | 1 22 | 27 17 | 5 15 | 8 24 | 2 28 | 16 49 | 6 50 | 19 29 | 1 9 | 20 39 | 0 27 | 8 12 | 1 56 | 2 53 | 0 42 | 2 25 | 1 48 | 27 32 | 10 50 | 7 59 | 8 11 | 27 54 | 2 28 | 5 27 |
| M13 | 0 59 | 28 32 | 5 5 | 8 55 | 2 38 | 16 55 | 6 56 | 19 18 | 1 9 | 20 37 | 0 27 | 8 9 | 1 56 | 2 52 | 0 42 | 2 25 | 1 48 | 27 32 | 10 49 | 7 59 | 8 12 | 27 53 | 2 30 | 5 27 |
| T 14 | 0 35 | 27 55 | 4 37 | 9 24 | 2 46 | 16 59 | 7 0 | 19 6 | 1 10 | 20 35 | 0 27 | 8 6 | 1 57 | 2 51 | 0 42 | 2 24 | 1 48 | 27 32 | 10 49 | 7 59 | 8 13 | 27 52 | 2 32 | 5 26 |
| W15 | 0 11 | 25 28 | 3 51 | 9 48 | 2 54 | 17 3 | 7 5 | 18 54 | 1 11 | 20 33 | 0 27 | 8 4 | 1 57 | 2 50 | 0 42 | 2 24 | 1 48 | 27 32 | 10 49 | 7 58 | 8 14 | 27 52 | 2 34 | 5 26 |
| T 16 | 0n12 | 21 25 | 2 51 | 10 9 | 3 0 | 17 4 | 7 9 | 18 42 | 1 12 | 20 31 | 0 27 | 8 1 | 1 57 | 2 49 | 0 42 | 2 23 | 1 48 | 27 32 | 10 49 | 7 58 | 8 15 | 27 51 | 2 36 | 5 25 |
| F 17 | 0 36 | 16 10 | 1 41 | 10 27 | 3 6 | 17 5 | 7 12 | 18 30 | 1 12 | 20 28 | 0 28 | 7 58 | 1 57 | 2 48 | 0 42 | 2 22 | 1 48 | 27 32 | 10 49 | 7 57 | 8 17 | 27 50 | 2 38 | 5 25 |
| S 18 | 0 59 | 10 5 | 0 26 | 10 41 | 3 10 | 17 4 | 7 16 | 18 18 | 1 13 | 20 26 | 0 28 | 7 55 | 1 57 | 2 47 | 0 42 | 2 22 | 1 48 | 27 32 | 10 49 | 7 57 | 8 18 | 27 49 | 2 40 | 5 24 |
| S 19 | 1 23 | 3 35 | 0s51 | 10 51 | 3 13 | 17 2 | 7 18 | 18 5 | 1 14 | 20 24 | 0 28 | 7 53 | 1 57 | 2 46 | 0 42 | 2 21 | 1 48 | 27 32 | 10 48 | 7 57 | 8 19 | 27 48 | 2 42 | 5 24 |
| M20 | 1 46 | 2s59 | 2 3 | 10 57 | 3 15 | 16 58 | 7 20 | 17 53 | 1 14 | 20 22 | 0 28 | 7 50 | 1 57 | 2 45 | 0 42 | 2 20 | 1 48 | 27 32 | 10 48 | 7 58 | 8 20 | 27 47 | 2 44 | 5 23 |
| T 21 | 2 10 | 9 17 | 3 7 | 11 0 | 3 15 | 16 52 | 7 21 | 17 40 | 1 15 | 20 20 | 0 28 | 7 47 | 1 57 | 2 44 | 0 42 | 2 20 | 1 48 | 27 33 | 10 48 | 7 59 | 8 21 | 27 47 | 2 46 | 5 23 |
| W22 | 2 33 | 15 2 | 3 59 | 10 58 | 3 14 | 16 46 | 7 22 | 17 27 | 1 15 | 20 18 | 0 28 | 7 45 | 1 57 | 2 43 | 0 42 | 2 19 | 1 48 | 27 33 | 10 48 | 8 0 | 8 23 | 27 46 | 2 48 | 5 22 |
| T 23 | 2 56 | 20 0 | 4 38 | 10 53 | 3 12 | 16 37 | 7 22 | 17 14 | 1 16 | 20 16 | 0 29 | 7 42 | 1 57 | 2 42 | 0 42 | 2 18 | 1 48 | 27 33 | 10 48 | 8 2 | 8 24 | 27 45 | 2 50 | 5 22 |
| F 24 | 3 20 | 23 58 | 5 2 | 10 44 | 3 8 | 16 28 | 7 21 | 17 0 | 1 17 | 20 14 | 0 29 | 7 39 | 1 57 | 2 40 | 0 42 | 2 18 | 1 48 | 27 33 | 10 48 | 8 4 | 8 25 | 27 44 | 2 52 | 5 21 |
| S 25 | 3 43 | 26 45 | 5 12 | 10 32 | 3 2 | 16 16 | 7 20 | 16 47 | 1 17 | 20 12 | 0 29 | 7 37 | 1 58 | 2 39 | 0 42 | 2 17 | 1 48 | 27 33 | 10 47 | 8 5 | 8 26 | 27 43 | 2 54 | 5 21 |
| S 26 | 4 6 | 28 15 | 5 8 | 10 16 | 2 55 | 16 3 | 7 18 | 16 33 | 1 18 | 20 10 | 0 29 | 7 34 | 1 58 | 2 38 | 0 42 | 2 16 | 1 48 | 27 33 | 10 47 | 8 6 | 8 27 | 27 42 | 2 55 | 5 20 |
| M27 | 4 29 | 28 24 | 4 50 | 9 58 | 2 47 | 15 49 | 7 15 | 16 19 | 1 19 | 20 8 | 0 29 | 7 31 | 1 58 | 2 37 | 0 42 | 2 16 | 1 48 | 27 33 | 10 47 | 8 7 | 8 29 | 27 41 | 2 57 | 5 20 |
| T 28 | 4 52 | 27 15 | 4 20 | 9 36 | 2 37 | 15 34 | 7 11 | 16 5 | 1 19 | 20 7 | 0 29 | 7 29 | 1 58 | 2 36 | 0 42 | 2 15 | 1 48 | 27 33 | 10 47 | 8 7 | 8 30 | 27 40 | 2 59 | 5 19 |
| W29 | 5 15 | 24 51 | 3 39 | 9 12 | 2 26 | 15 17 | 7 6 | 15 51 | 1 20 | 20 5 | 0 30 | 7 26 | 1 58 | 2 35 | 0 42 | 2 14 | 1 48 | 27 33 | 10 47 | 8 7 | 8 31 | 27 39 | 3 1 | 5 19 |
| T 30 | 5 38 | 21 22 | 2 48 | 8 46 | 2 13 | 14 58 | 7 1 | 15 37 | 1 20 | 20 3 | 0 30 | 7 23 | 1 58 | 2 34 | 0 42 | 2 14 | 1 48 | 27 33 | 10 46 | 8 7 | 8 32 | 27 38 | 3 3 | 5 18 |
| F 31 | 6n 1 | 16s56 | 1s49 | 8n18 | 2n 0 | 14n39 | 6n55 | 15s22 | 1s21 | 20s 1 | 0s30 | 7s21 | 1s58 | 2s33 | 0n42 | 2s13 | 1n48 | 27n33 | 10n46 | 8s 6 | 8s33 | 27s37 | 3n 5 | 5s17 |

Julian Day Number = 2073583.5, Delta T = 27m25s
Ecliptic obliquity = 23°34'33, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'05, Lahiri = 9°26'06 Julian Calendar 1 March 965 == Greg. Calendar 6 March 965


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## APRIL 965 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 57 15 | 16♈ 9'34 | 1♓22 | 15°R38 | 20°R26 | 23♒15 | 3♒26 | 16♓10 | 8°R 0 | 9°R43 | 12°R10 | 9♓24 | 8♓ 6 | 9♉35 | 9°R39 | S 1 |
| S 2 | 13 1 12 | 17° 8'00 | 14° 1 | 14♈56 | 19♈48 | 24° 1 | 3°35 | 16°17 | 7♎57 | 9♎41 | 12♌10 | 9°R24 | 8° 3 | 9°42 | 9♍36 | S 2 |
| M 3 | 13 5 8 | 18° 6'25 | 27° 1 | 14°15 | 19°11 | 24°46 | 3°43 | 16°23 | 7°55 | 9°39 | 12° 9 | 9°23 | 8° 0 | 9°48 | 9°33 | M 3 |
| T 4 | 13 9 5 | 19° 4'47 | 10♈21 | 13°35 | 18°33 | 25°32 | 3°51 | 16°30 | 7°52 | 9°38 | 12° 9 | 9°19 | 7°57 | 9°55 | 9°30 | T 4 |
| W 5 | 13 13 2 | 20° 3'08 | 24° 1 | 12°56 | 17°55 | 26°18 | 3°59 | 16°37 | 7°50 | 9°36 | 12° 9 | 9°14 | 7°54 | 10° 2 | 9°27 | W 5 |
| T 6 | 13 16 58 | 21° 1'28 | 7♉59 | 12°20 | 17°18 | 27° 3 | 4° 7 | 16°44 | 7°47 | 9°34 | 12° 8 | 9° 8 | 7°51 | 10° 8 | 9°24 | T 6 |
| F 7 | 13 20 55 | 21°59'45 | 22°10 | 11°48 | 16°41 | 27°49 | 4°14 | 16°50 | 7°45 | 9°33 | 12° 8 | 9° 1 | 7°47 | 10°15 | 9°21 | F 7 |
| S 8 | 13 24 51 | 22°58'00 | 6♊29 | 11°18 | 16° 5 | 28°35 | 4°22 | 16°57 | 7°42 | 9°31 | 12° 8 | 8°55 | 7°44 | 10°22 | 9°19 | S 8 |
| S 9 | 13 28 48 | 23°56'14 | 20°51 | 10°53 | 15°30 | 29°20 | 4°29 | 17° 3 | 7°40 | 9°30 | 12° 7 | 8°50 | 7°41 | 10°28 | 9°16 | S 9 |
| M10 | 13 32 44 | 24°54'25 | 5♋12 | 10°31 | 14°56 | 0♓ 6 | 4°36 | 17°10 | 7°37 | 9°28 | 12° 7 | 8°46 | 7°38 | 10°35 | 9°14 | M10 |
| T 11 | 13 36 41 | 25°52'34 | 19°27 | 10°14 | 14°24 | 0°51 | 4°43 | 17°16 | 7°35 | 9°27 | 12° 7 | 8°44 | 7°35 | 10°42 | 9°12 | T 11 |
| W12 | 13 40 37 | 26°50'42 | 3♌34 | 10° 2 | 13°53 | 1°37 | 4°50 | 17°22 | 7°33 | 9°25 | 12° 7 | 8°D44 | 7°32 | 10°49 | 9° 9 | W12 |
| T 13 | 13 44 34 | 27°48'47 | 17°33 | 9°54 | 13°24 | 2°23 | 4°57 | 17°29 | 7°30 | 9°23 | 12° 6 | 8°45 | 7°28 | 10°55 | 9° 7 | T 13 |
| F 14 | 13 48 31 | 28°46'50 | 1♍22 | 9°D51 | 12°58 | 3° 8 | 5° 4 | 17°35 | 7°28 | 9°22 | 12° 6 | 8°46 | 7°25 | 11° 2 | 9° 5 | F 14 |
| S 15 | 13 52 27 | 29°44'51 | 15° 1 | 9°53 | 12°33 | 3°54 | 5°10 | 17°41 | 7°26 | 9°20 | 12° 6 | 8°R46 | 7°22 | 11° 9 | 9° 4 | S 15 |
| S 16 | 13 56 24 | 0♉42'50 | 28°30 | 10° 0 | 12°10 | 4°39 | 5°17 | 17°47 | 7°23 | 9°19 | 12° 6 | 8°45 | 7°19 | 11°15 | 9° 2 | S 16 |
| M17 | 14 0 20 | 1°40'47 | 11♎48 | 10°11 | 11°50 | 5°24 | 5°23 | 17°53 | 7°21 | 9°17 | 12° 6 | 8°41 | 7°16 | 11°22 | 9° 0 | M17 |
| T 18 | 14 4 17 | 2°38'43 | 24°55 | 10°27 | 11°31 | 6°10 | 5°29 | 18° 0 | 7°19 | 9°16 | 12° 6 | 8°34 | 7°12 | 11°29 | 8°59 | T 18 |
| W19 | 14 8 13 | 3°36'37 | 7♏48 | 10°48 | 11°16 | 6°55 | 5°35 | 18° 6 | 7°16 | 9°14 | 12°D 6 | 8°26 | 7° 9 | 11°35 | 8°57 | W19 |
| T 20 | 14 12 10 | 4°34'29 | 20°29 | 11°12 | 11° 2 | 7°41 | 5°40 | 18°11 | 7°14 | 9°13 | 12° 6 | 8°16 | 7° 6 | 11°42 | 8°56 | T 20 |
| F 21 | 14 16 6 | 5°32'20 | 2♐56 | 11°41 | 10°51 | 8°26 | 5°46 | 18°17 | 7°12 | 9°12 | 12° 6 | 8° 6 | 7° 3 | 11°49 | 8°54 | F 21 |
| S 22 | 14 20 3 | 6°30'10 | 15°10 | 12°14 | 10°43 | 9°11 | 5°51 | 18°23 | 7°10 | 9°10 | 12° 6 | 7°56 | 7° 0 | 11°56 | 8°53 | S 22 |
| S 23 | 14 24 0 | 7°27'58 | 27°14 | 12°51 | 10°37 | 9°57 | 5°56 | 18°29 | 7° 8 | 9° 9 | 12° 6 | 7°47 | 6°57 | 12° 2 | 8°52 | S 23 |
| M24 | 14 27 56 | 8°25'45 | 9♑ 9 | 13°32 | 10°34 | 10°42 | 6° 2 | 18°35 | 7° 6 | 9° 7 | 12° 6 | 7°41 | 6°53 | 12° 9 | 8°51 | M24 |
| T 25 | 14 31 53 | 9°23'31 | 21° 0 | 14°17 | 10°D32 | 11°27 | 6° 6 | 18°40 | 7° 4 | 9° 6 | 12° 7 | 7°37 | 6°50 | 12°16 | 8°51 | T 25 |
| W26 | 14 35 49 | 10°21'15 | 2♒52 | 15° 5 | 10°34 | 12°12 | 6°11 | 18°46 | 7° 2 | 9° 5 | 12° 7 | 7°35 | 6°47 | 12°22 | 8°50 | W26 |
| T 27 | 14 39 46 | 11°18'59 | 14°48 | 15°57 | 10°37 | 12°58 | 6°16 | 18°51 | 7° 0 | 9° 3 | 12° 7 | 7°D35 | 6°44 | 12°29 | 8°49 | T 27 |
| F 28 | 14 43 42 | 12°16'41 | 26°54 | 16°52 | 10°43 | 13°43 | 6°20 | 18°57 | 6°58 | 9° 2 | 12° 7 | 7°36 | 6°41 | 12°36 | 8°49 | F 28 |
| S 29 | 14 47 39 | 13°14'22 | 9♓16 | 17°50 | 10°51 | 14°28 | 6°24 | 19° 2 | 6°56 | 9° 1 | 12° 7 | 7°R36 | 6°38 | 12°42 | 8°48 | S 29 |
| S 30 | 14 51 35 | 14♉12'02 | 21♓58 | 18♈51 | 11♈ 1 | 15♓13 | 6♒28 | 19♓ 8 | 6♎54 | 8♎59 | 12♌ 8 | 7♓35 | 6♓34 | 12♑49 | 8♍48 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n23 | 11s44 | 0s44 | 7n48 | 1n45 | 14n18 | 6n48 | 15s 8 | 1s22 | 19s59 | 0s30 | 7s18 | 1s58 | 2s32 | 0n42 | 2s12 | 1n48 | 27n33 | 10n46 | 8s 5 | 8s35 | 27s36 | 3n 6 | 5s17 |
| S 2 | 6 46 | 5 56 | 0n25 | 7 18 | 1 30 | 13 57 | 6 40 | 14 53 | 1 22 | 19 57 | 0 30 | 7 16 | 1 59 | 2 31 | 0 42 | 2 12 | 1 48 | 27 33 | 10 46 | 8 5 | 8 36 | 27 35 | 3 8 | 5 16 |
| M 3 | 7 8 | 0n15 | 1 34 | 6 47 | 1 14 | 13 34 | 6 31 | 14 38 | 1 23 | 19 56 | 0 31 | 7 13 | 1 59 | 2 30 | 0 42 | 2 11 | 1 48 | 27 32 | 10 46 | 8 6 | 8 37 | 27 34 | 3 10 | 5 16 |
| T 4 | 7 31 | 6 34 | 2 40 | 6 16 | 0 57 | 13 11 | 6 22 | 14 23 | 1 23 | 19 54 | 0 31 | 7 11 | 1 59 | 2 29 | 0 42 | 2 11 | 1 48 | 27 32 | 10 45 | 8 7 | 8 38 | 27 34 | 3 11 | 5 15 |
| W 5 | 7 53 | 12 45 | 3 38 | 5 46 | 0 40 | 12 47 | 6 12 | 14 8 | 1 24 | 19 52 | 0 31 | 7 8 | 1 59 | 2 28 | 0 42 | 2 10 | 1 48 | 27 32 | 10 45 | 8 9 | 8 39 | 27 33 | 3 13 | 5 14 |
| T 6 | 8 15 | 18 25 | 4 24 | 5 16 | 0 24 | 12 23 | 6 1 | 13 53 | 1 25 | 19 51 | 0 31 | 7 6 | 1 59 | 2 28 | 0 42 | 2 9 | 1 48 | 27 32 | 10 45 | 8 11 | 8 41 | 27 32 | 3 15 | 5 14 |
| F 7 | 8 37 | 23 10 | 4 55 | 4 47 | 0 7 | 11 58 | 5 50 | 13 38 | 1 25 | 19 49 | 0 31 | 7 3 | 1 59 | 2 27 | 0 42 | 2 9 | 1 48 | 27 32 | 10 45 | 8 14 | 8 42 | 27 31 | 3 16 | 5 13 |
| S 8 | 8 59 | 26 34 | 5 8 | 4 21 | 0s10 | 11 33 | 5 38 | 13 22 | 1 26 | 19 47 | 0 32 | 7 1 | 1 59 | 2 26 | 0 42 | 2 8 | 1 48 | 27 32 | 10 44 | 8 16 | 8 43 | 27 29 | 3 18 | 5 13 |
| S 9 | 9 20 | 28 16 | 5 2 | 3 56 | 0 26 | 11 8 | 5 26 | 13 7 | 1 26 | 19 46 | 0 32 | 6 59 | 2 0 | 2 25 | 0 42 | 2 7 | 1 48 | 27 32 | 10 44 | 8 18 | 8 44 | 27 28 | 3 19 | 5 12 |
| M10 | 9 42 | 28 5 | 4 36 | 3 32 | 0 42 | 10 43 | 5 13 | 12 51 | 1 27 | 19 44 | 0 32 | 6 56 | 2 0 | 2 24 | 0 42 | 2 7 | 1 48 | 27 32 | 10 44 | 8 20 | 8 45 | 27 27 | 3 21 | 5 11 |
| T 11 | 10 3 | 26 1 | 3 54 | 3 12 | 0 58 | 10 18 | 5 0 | 12 35 | 1 27 | 19 43 | 0 32 | 6 54 | 2 0 | 2 23 | 0 42 | 2 6 | 1 48 | 27 32 | 10 44 | 8 20 | 8 46 | 27 26 | 3 22 | 5 11 |
| W12 | 10 24 | 22 21 | 2 58 | 2 53 | 1 12 | 9 54 | 4 46 | 12 20 | 1 28 | 19 41 | 0 32 | 6 51 | 2 0 | 2 22 | 0 42 | 2 6 | 1 48 | 27 31 | 10 43 | 8 20 | 8 48 | 27 25 | 3 24 | 5 10 |
| T 13 | 10 45 | 17 26 | 1 52 | 2 37 | 1 26 | 9 30 | 4 33 | 12 4 | 1 28 | 19 40 | 0 33 | 6 49 | 2 0 | 2 21 | 0 42 | 2 5 | 1 48 | 27 31 | 10 43 | 8 20 | 8 49 | 27 24 | 3 25 | 5 9 |
| F 14 | 11 6 | 11 40 | 0 40 | 2 24 | 1 40 | 9 7 | 4 19 | 11 48 | 1 29 | 19 38 | 0 33 | 6 47 | 2 0 | 2 20 | 0 42 | 2 4 | 1 48 | 27 31 | 10 43 | 8 20 | 8 50 | 27 23 | 3 27 | 5 8 |
| S 15 | 11 27 | 5 25 | 0s34 | 2 13 | 1 52 | 8 44 | 4 4 | 11 31 | 1 29 | 19 37 | 0 33 | 6 44 | 2 1 | 2 19 | 0 42 | 2 4 | 1 48 | 27 31 | 10 43 | 8 20 | 8 51 | 27 22 | 3 28 | 5 8 |
| S 16 | 11 47 | 0s59 | 1 44 | 2 5 | 2 3 | 8 22 | 3 50 | 11 15 | 1 30 | 19 36 | 0 33 | 6 42 | 2 1 | 2 18 | 0 42 | 2 3 | 1 48 | 27 31 | 10 43 | 8 20 | 8 52 | 27 21 | 3 29 | 5 7 |
| M17 | 12 8 | 7 16 | 2 48 | 2 0 | 2 14 | 8 1 | 3 36 | 10 59 | 1 30 | 19 34 | 0 34 | 6 40 | 2 1 | 2 17 | 0 42 | 2 3 | 1 48 | 27 30 | 10 42 | 8 22 | 8 54 | 27 20 | 3 30 | 5 6 |
| T 18 | 12 28 | 13 8 | 3 41 | 1 57 | 2 24 | 7 40 | 3 22 | 10 42 | 1 31 | 19 33 | 0 34 | 6 38 | 2 1 | 2 16 | 0 42 | 2 2 | 1 48 | 27 30 | 10 42 | 8 24 | 8 55 | 27 19 | 3 32 | 5 6 |
| W19 | 12 47 | 18 19 | 4 23 | 1 57 | 2 33 | 7 21 | 3 8 | 10 26 | 1 31 | 19 32 | 0 34 | 6 36 | 2 1 | 2 16 | 0 42 | 2 2 | 1 48 | 27 30 | 10 42 | 8 27 | 8 56 | 27 18 | 3 33 | 5 5 |
| T 20 | 13 7 | 22 37 | 4 50 | 1 59 | 2 41 | 7 3 | 2 54 | 10 9 | 1 32 | 19 31 | 0 34 | 6 33 | 2 1 | 2 15 | 0 42 | 2 1 | 1 48 | 27 30 | 10 42 | 8 31 | 8 57 | 27 17 | 3 34 | 5 4 |
| F 21 | 13 27 | 25 49 | 5 3 | 2 4 | 2 48 | 6 46 | 2 40 | 9 53 | 1 32 | 19 30 | 0 34 | 6 31 | 2 2 | 2 14 | 0 42 | 2 0 | 1 48 | 27 29 | 10 41 | 8 35 | 8 58 | 27 16 | 3 35 | 5 4 |
| S 22 | 13 46 | 27 45 | 5 2 | 2 11 | 2 54 | 6 30 | 2 26 | 9 36 | 1 33 | 19 28 | 0 35 | 6 29 | 2 2 | 2 13 | 0 42 | 2 0 | 1 48 | 27 29 | 10 41 | 8 39 | 9 0 | 27 14 | 3 36 | 5 3 |
| S 23 | 14 5 | 28 20 | 4 47 | 2 21 | 3 0 | 6 15 | 2 12 | 9 19 | 1 33 | 19 27 | 0 35 | 6 27 | 2 2 | 2 12 | 0 42 | 1 59 | 1 48 | 27 29 | 10 41 | 8 42 | 9 1 | 27 13 | 3 37 | 5 2 |
| M24 | 14 24 | 27 35 | 4 20 | 2 32 | 3 5 | 6 2 | 1 59 | 9 2 | 1 34 | 19 26 | 0 35 | 6 25 | 2 2 | 2 11 | 0 42 | 1 59 | 1 48 | 27 29 | 10 41 | 8 44 | 9 2 | 27 12 | 3 38 | 5 1 |
| T 25 | 14 42 | 25 35 | 3 42 | 2 46 | 3 8 | 5 49 | 1 46 | 8 45 | 1 34 | 19 25 | 0 35 | 6 23 | 2 2 | 2 11 | 0 42 | 1 58 | 1 48 | 27 28 | 10 40 | 8 46 | 9 3 | 27 11 | 3 39 | 5 1 |
| W26 | 15 1 | 22 27 | 2 54 | 3 2 | 3 11 | 5 38 | 1 33 | 8 28 | 1 34 | 19 24 | 0 36 | 6 21 | 2 3 | 2 10 | 0 42 | 1 58 | 1 48 | 27 28 | 10 40 | 8 46 | 9 4 | 27 10 | 3 40 | 5 0 |
| T 27 | 15 19 | 18 23 | 1 59 | 3 20 | 3 13 | 5 28 | 1 21 | 8 11 | 1 35 | 19 23 | 0 36 | 6 19 | 2 3 | 2 9 | 0 42 | 1 57 | 1 48 | 27 28 | 10 40 | 8 46 | 9 5 | 27 9 | 3 41 | 4 59 |
| F 28 | 15 37 | 13 30 | 0 57 | 3 40 | 3 15 | 5 19 | 1 8 | 7 54 | 1 35 | 19 23 | 0 36 | 6 17 | 2 3 | 2 8 | 0 42 | 1 57 | 1 48 | 27 28 | 10 40 | 8 46 | 9 7 | 27 8 | 3 42 | 4 58 |
| S 29 | 15 54 | 8 0 | 0n 9 | 4 1 | 3 16 | 5 11 | 0 57 | 7 37 | 1 36 | 19 22 | 0 36 | 6 15 | 2 3 | 2 8 | 0 42 | 1 56 | 1 48 | 27 27 | 10 39 | 8 46 | 9 8 | 27 6 | 3 43 | 4 58 |
| S 30 | 16n11 | 2s 3 | 1n16 | 4n25 | 3s16 | 5n 4 | 0n45 | 7s20 | 1s36 | 19s21 | 0s36 | 6s13 | 2s 3 | 2s 7 | 0n42 | 1s56 | 1n48 | 27n27 | 10n39 | 8s46 | 9s 9 | 27s 5 | 3n44 | 4s57 |

Julian Day Number = 2073614.5, Delta T = 27m25s
Ecliptic obliquity = 23°34'33, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'09, Lahiri = 9°26'10 Julian Calendar 1 Apr. 965 == Greg. Calendar 6 Apr. 965


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## MAY 965 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 55 32 | 15♉ 9'41 | 5♈ 4 | 19♈56 | 11♈13 | 15♓58 | 6♒32 | 19♓13 | 6°R52 | 8°R58 | 12♌ 8 | 7°R32 | 6♓31 | 12♑56 | 8°R48 | M 1 |
| T 2 | 14 59 29 | 16° 7'18 | 18°36 | 21° 3 | 11°28 | 16°43 | 6°36 | 19°18 | 6♎50 | 8♎57 | 12° 9 | 7♓27 | 6°28 | 13° 3 | 8°D48 | T 2 |
| W 3 | 15 3 25 | 17° 4'55 | 2♉33 | 22°13 | 11°44 | 17°28 | 6°39 | 19°23 | 6°49 | 8°56 | 12° 9 | 7°19 | 6°25 | 13° 9 | 8♍48 | W 3 |
| T 4 | 15 7 22 | 18° 2'30 | 16°52 | 23°26 | 12° 2 | 18°13 | 6°43 | 19°28 | 6°47 | 8°54 | 12° 9 | 7° 9 | 6°22 | 13°16 | 8°48 | T 4 |
| F 5 | 15 11 18 | 19° 0'05 | 1♊29 | 24°42 | 12°22 | 18°58 | 6°46 | 19°33 | 6°45 | 8°53 | 12°10 | 6°58 | 6°18 | 13°23 | 8°48 | F 5 |
| S 6 | 15 15 15 | 19°57'38 | 16°14 | 26° 1 | 12°44 | 19°42 | 6°49 | 19°38 | 6°43 | 8°52 | 12°10 | 6°48 | 6°15 | 13°29 | 8°49 | S 6 |
| S 7 | 15 19 11 | 20°55'10 | 1♋ 1 | 27°22 | 13° 7 | 20°27 | 6°51 | 19°43 | 6°42 | 8°51 | 12°11 | 6°40 | 6°12 | 13°36 | 8°49 | S 7 |
| M 8 | 15 23 8 | 21°52'41 | 15°41 | 28°46 | 13°32 | 21°12 | 6°54 | 19°48 | 6°40 | 8°50 | 12°11 | 6°33 | 6° 9 | 13°43 | 8°50 | M 8 |
| T 9 | 15 27 4 | 22°50'10 | 0♌ 9 | 0♉12 | 13°59 | 21°57 | 6°56 | 19°53 | 6°39 | 8°49 | 12°12 | 6°29 | 6° 6 | 13°49 | 8°51 | T 9 |
| W10 | 15 31 1 | 23°47'38 | 14°22 | 1°41 | 14°27 | 22°41 | 6°59 | 19°57 | 6°37 | 8°48 | 12°13 | 6°28 | 6° 3 | 13°56 | 8°52 | W10 |
| T 11 | 15 34 58 | 24°45'04 | 28°17 | 3°13 | 14°57 | 23°26 | 7° 1 | 20° 2 | 6°36 | 8°47 | 12°13 | 6°28 | 5°59 | 14° 3 | 8°53 | T 11 |
| F 12 | 15 38 54 | 25°42'29 | 11♍56 | 4°47 | 15°28 | 24°10 | 7° 2 | 20° 6 | 6°34 | 8°46 | 12°14 | 6°28 | 5°56 | 14°10 | 8°54 | F 12 |
| S 13 | 15 42 51 | 26°39'53 | 25°20 | 6°23 | 16° 1 | 24°55 | 7° 4 | 20°11 | 6°33 | 8°45 | 12°15 | 6°26 | 5°53 | 14°16 | 8°55 | S 13 |
| S 14 | 15 46 47 | 27°37'15 | 8♎30 | 8° 2 | 16°35 | 25°39 | 7° 5 | 20°15 | 6°32 | 8°44 | 12°15 | 6°23 | 5°50 | 14°23 | 8°56 | S 14 |
| M15 | 15 50 44 | 28°34'36 | 21°27 | 9°44 | 17°10 | 26°23 | 7° 7 | 20°19 | 6°31 | 8°43 | 12°16 | 6°18 | 5°47 | 14°30 | 8°58 | M15 |
| T 16 | 15 54 40 | 29°31'57 | 4♏13 | 11°28 | 17°46 | 27° 8 | 7° 8 | 20°23 | 6°29 | 8°42 | 12°17 | 6° 9 | 5°43 | 14°36 | 8°59 | T 16 |
| W17 | 15 58 37 | 0♊29'16 | 16°49 | 13°15 | 18°24 | 27°52 | 7° 9 | 20°27 | 6°28 | 8°41 | 12°18 | 5°58 | 5°40 | 14°43 | 9° 1 | W17 |
| T 18 | 16 2 33 | 1°26'35 | 29°14 | 15° 4 | 19° 2 | 28°36 | 7° 9 | 20°31 | 6°27 | 8°40 | 12°18 | 5°45 | 5°37 | 14°50 | 9° 3 | T 18 |
| F 19 | 16 6 30 | 2°23'52 | 11♐29 | 16°55 | 19°42 | 29°20 | 7°10 | 20°35 | 6°26 | 8°39 | 12°19 | 5°32 | 5°34 | 14°56 | 9° 4 | F 19 |
| S 20 | 16 10 27 | 3°21'10 | 23°36 | 18°49 | 20°23 | 0♈ 4 | 7°10 | 20°39 | 6°25 | 8°39 | 12°20 | 5°19 | 5°31 | 15° 3 | 9° 6 | S 20 |
| S 21 | 16 14 23 | 4°18'26 | 5♑34 | 20°45 | 21° 5 | 0°48 | 7°R10 | 20°43 | 6°24 | 8°38 | 12°21 | 5° 7 | 5°28 | 15°10 | 9° 9 | S 21 |
| M22 | 16 18 20 | 5°15'42 | 17°26 | 22°44 | 21°48 | 1°32 | 7°10 | 20°47 | 6°23 | 8°37 | 12°22 | 4°58 | 5°24 | 15°16 | 9°11 | M22 |
| T 23 | 16 22 16 | 6°12'57 | 29°16 | 24°44 | 22°31 | 2°16 | 7°10 | 20°50 | 6°22 | 8°36 | 12°23 | 4°52 | 5°21 | 15°23 | 9°13 | T 23 |
| W24 | 16 26 13 | 7°10'12 | 11♒ 6 | 26°47 | 23°16 | 3° 0 | 7°10 | 20°54 | 6°21 | 8°36 | 12°24 | 4°48 | 5°18 | 15°30 | 9°15 | W24 |
| T 25 | 16 30 9 | 8° 7'26 | 23° 1 | 28°51 | 24° 2 | 3°44 | 7° 9 | 20°57 | 6°20 | 8°35 | 12°25 | 4°47 | 5°15 | 15°37 | 9°18 | T 25 |
| F 26 | 16 34 6 | 9° 4'40 | 5♓ 5 | 0♊58 | 24°48 | 4°28 | 7° 8 | 21° 0 | 6°20 | 8°34 | 12°26 | 4°47 | 5°12 | 15°43 | 9°21 | F 26 |
| S 27 | 16 38 2 | 10° 1'54 | 17°25 | 3° 5 | 25°35 | 5°11 | 7° 7 | 21° 4 | 6°19 | 8°34 | 12°27 | 4°46 | 5° 9 | 15°50 | 9°23 | S 27 |
| S 28 | 16 41 59 | 10°59'08 | 0♈ 6 | 5°14 | 26°23 | 5°55 | 7° 6 | 21° 7 | 6°18 | 8°33 | 12°28 | 4°45 | 5° 5 | 15°57 | 9°26 | S 28 |
| M29 | 16 45 56 | 11°56'21 | 13°12 | 7°24 | 27°12 | 6°38 | 7° 4 | 21°10 | 6°18 | 8°33 | 12°29 | 4°43 | 5° 2 | 16° 3 | 9°29 | M29 |
| T 30 | 16 49 52 | 12°53'34 | 26°45 | 9°35 | 28° 1 | 7°22 | 7° 3 | 21°13 | 6°17 | 8°32 | 12°30 | 4°37 | 4°59 | 16°10 | 9°32 | T 30 |
| W31 | 16 53 49 | 13♊50'47 | 10♉48 | 11♊46 | 28♈51 | 8♈ 5 | 7♒ 1 | 21♓16 | 6♎17 | 8♎32 | 12♌31 | 4♓30 | 4♓56 | 16♑17 | 9♍35 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n29 | 4n10 | 2n21 | 4n50 | 3s15 | 4n59 | 0n34 | 7s 3 | 1s36 | 19s20 | 0s37 | 6s11 | 2s 4 | 2s 6 | 0n42 | 1s55 | 1n48 | 27n27 | 10n39 | 8s48 | 9s10 | 27s 4 | 3n44 | 4s56 |
| T 2 | 16 45 | 10 24 | 3 20 | 5 16 | 3 13 | 4 54 | 0 23 | 6 45 | 1 37 | 19 20 | 0 37 | 6 9 | 2 4 | 2 5 | 0 42 | 1 55 | 1 48 | 27 26 | 10 39 | 8 50 | 9 11 | 27 3 | 3 45 | 4 55 |
| W 3 | 17 2 | 16 18 | 4 8 | 5 45 | 3 11 | 4 51 | 0 12 | 6 28 | 1 37 | 19 19 | 0 37 | 6 7 | 2 4 | 2 5 | 0 42 | 1 54 | 1 48 | 27 26 | 10 39 | 8 52 | 9 13 | 27 2 | 3 46 | 4 55 |
| T 4 | 17 18 | 21 29 | 4 43 | 6 14 | 3 8 | 4 49 | 0 2 | 6 11 | 1 37 | 19 18 | 0 37 | 6 6 | 2 4 | 2 4 | 0 42 | 1 54 | 1 48 | 27 26 | 10 38 | 8 56 | 9 14 | 27 0 | 3 46 | 4 54 |
| F 5 | 17 34 | 25 28 | 5 0 | 6 45 | 3 5 | 4 47 | 0s 8 | 5 53 | 1 38 | 19 18 | 0 38 | 6 4 | 2 4 | 2 4 | 0 42 | 1 54 | 1 48 | 27 25 | 10 38 | 9 0 | 9 15 | 26 59 | 3 47 | 4 53 |
| S 6 | 17 50 | 27 47 | 4 58 | 7 18 | 3 1 | 4 47 | 0 18 | 5 36 | 1 38 | 19 17 | 0 38 | 6 2 | 2 5 | 2 3 | 0 42 | 1 53 | 1 48 | 27 25 | 10 38 | 9 4 | 9 16 | 26 58 | 3 48 | 4 52 |
| S 7 | 18 5 | 28 9 | 4 35 | 7 51 | 2 56 | 4 48 | 0 27 | 5 19 | 1 38 | 19 17 | 0 38 | 6 0 | 2 5 | 2 2 | 0 42 | 1 53 | 1 48 | 27 24 | 10 38 | 9 7 | 9 17 | 26 57 | 3 48 | 4 52 |
| M 8 | 18 20 | 26 32 | 3 55 | 8 26 | 2 51 | 4 49 | 0 36 | 5 1 | 1 39 | 19 16 | 0 38 | 5 59 | 2 5 | 2 2 | 0 42 | 1 52 | 1 48 | 27 24 | 10 37 | 9 9 | 9 18 | 26 56 | 3 48 | 4 51 |
| T 9 | 18 35 | 23 9 | 3 0 | 9 2 | 2 45 | 4 51 | 0 45 | 4 44 | 1 39 | 19 16 | 0 39 | 5 57 | 2 5 | 2 1 | 0 42 | 1 52 | 1 48 | 27 24 | 10 37 | 9 11 | 9 20 | 26 54 | 3 49 | 4 50 |
| W10 | 18 50 | 18 26 | 1 54 | 9 39 | 2 39 | 4 55 | 0 53 | 4 26 | 1 39 | 19 16 | 0 39 | 5 55 | 2 6 | 2 1 | 0 41 | 1 52 | 1 48 | 27 23 | 10 37 | 9 11 | 9 21 | 26 53 | 3 49 | 4 49 |
| T 11 | 19 4 | 12 49 | 0 43 | 10 17 | 2 32 | 4 59 | 1 1 | 4 9 | 1 40 | 19 15 | 0 39 | 5 54 | 2 6 | 2 0 | 0 41 | 1 51 | 1 48 | 27 23 | 10 37 | 9 12 | 9 22 | 26 52 | 3 50 | 4 49 |
| F 12 | 19 18 | 6 41 | 0s29 | 10 55 | 2 24 | 5 4 | 1 9 | 3 51 | 1 40 | 19 15 | 0 39 | 5 52 | 2 6 | 1 59 | 0 41 | 1 51 | 1 47 | 27 22 | 10 36 | 9 12 | 9 23 | 26 50 | 3 50 | 4 48 |
| S 13 | 19 31 | 0 22 | 1 38 | 11 35 | 2 17 | 5 10 | 1 16 | 3 34 | 1 40 | 19 15 | 0 40 | 5 51 | 2 6 | 1 59 | 0 41 | 1 51 | 1 47 | 27 22 | 10 36 | 9 12 | 9 24 | 26 49 | 3 50 | 4 47 |
| S 14 | 19 44 | 5s51 | 2 41 | 12 15 | 2 8 | 5 16 | 1 24 | 3 16 | 1 41 | 19 15 | 0 40 | 5 49 | 2 7 | 1 58 | 0 41 | 1 50 | 1 47 | 27 22 | 10 36 | 9 13 | 9 25 | 26 48 | 3 50 | 4 46 |
| M15 | 19 57 | 11 43 | 3 34 | 12 56 | 1 59 | 5 23 | 1 31 | 2 59 | 1 41 | 19 15 | 0 40 | 5 48 | 2 7 | 1 58 | 0 41 | 1 50 | 1 47 | 27 21 | 10 36 | 9 15 | 9 27 | 26 47 | 3 51 | 4 46 |
| T 16 | 20 10 | 17 0 | 4 15 | 13 37 | 1 50 | 5 31 | 1 37 | 2 41 | 1 41 | 19 15 | 0 40 | 5 46 | 2 7 | 1 58 | 0 41 | 1 50 | 1 47 | 27 21 | 10 36 | 9 18 | 9 28 | 26 45 | 3 51 | 4 45 |
| W17 | 20 22 | 21 29 | 4 43 | 14 18 | 1 41 | 5 40 | 1 43 | 2 24 | 1 41 | 19 15 | 0 41 | 5 45 | 2 7 | 1 57 | 0 41 | 1 49 | 1 47 | 27 20 | 10 35 | 9 23 | 9 29 | 26 44 | 3 51 | 4 44 |
| T 18 | 20 34 | 24 56 | 4 58 | 15 0 | 1 31 | 5 49 | 1 49 | 2 7 | 1 41 | 19 15 | 0 41 | 5 44 | 2 7 | 1 57 | 0 41 | 1 49 | 1 47 | 27 20 | 10 35 | 9 27 | 9 30 | 26 43 | 3 51 | 4 43 |
| F 19 | 20 46 | 27 12 | 4 58 | 15 42 | 1 20 | 5 58 | 1 55 | 1 49 | 1 42 | 19 15 | 0 41 | 5 42 | 2 8 | 1 56 | 0 41 | 1 49 | 1 47 | 27 19 | 10 35 | 9 32 | 9 31 | 26 41 | 3 51 | 4 43 |
| S 20 | 20 57 | 28 10 | 4 45 | 16 24 | 1 10 | 6 9 | 2 1 | 1 32 | 1 42 | 19 15 | 0 41 | 5 41 | 2 8 | 1 56 | 0 41 | 1 48 | 1 47 | 27 19 | 10 35 | 9 37 | 9 33 | 26 40 | 3 51 | 4 42 |
| S 21 | 21 8 | 27 46 | 4 19 | 17 6 | 0 59 | 6 20 | 2 6 | 1 14 | 1 42 | 19 15 | 0 42 | 5 40 | 2 8 | 1 56 | 0 41 | 1 48 | 1 47 | 27 18 | 10 34 | 9 41 | 9 34 | 26 39 | 3 51 | 4 41 |
| M22 | 21 18 | 26 6 | 3 42 | 17 47 | 0 48 | 6 31 | 2 11 | 0 57 | 1 42 | 19 15 | 0 42 | 5 38 | 2 8 | 1 55 | 0 41 | 1 48 | 1 47 | 27 18 | 10 34 | 9 45 | 9 35 | 26 37 | 3 50 | 4 40 |
| T 23 | 21 28 | 23 17 | 2 56 | 18 28 | 0 37 | 6 43 | 2 16 | 0 39 | 1 42 | 19 16 | 0 42 | 5 37 | 2 9 | 1 55 | 0 41 | 1 48 | 1 47 | 27 17 | 10 34 | 9 47 | 9 36 | 26 36 | 3 50 | 4 40 |
| W24 | 21 38 | 19 30 | 2 2 | 19 7 | 0 26 | 6 55 | 2 20 | 0 22 | 1 43 | 19 16 | 0 42 | 5 36 | 2 9 | 1 55 | 0 41 | 1 47 | 1 47 | 27 17 | 10 34 | 9 48 | 9 37 | 26 35 | 3 50 | 4 39 |
| T 25 | 21 47 | 14 54 | 1 2 | 19 46 | 0 15 | 7 8 | 2 24 | 0 5 | 1 43 | 19 17 | 0 43 | 5 35 | 2 9 | 1 54 | 0 41 | 1 47 | 1 47 | 27 16 | 10 34 | 9 49 | 9 38 | 26 33 | 3 50 | 4 38 |
| F 26 | 21 56 | 9 40 | 0n 2 | 20 24 | 0 4 | 7 22 | 2 28 | 0n13 | 1 43 | 19 17 | 0 43 | 5 34 | 2 9 | 1 54 | 0 41 | 1 47 | 1 47 | 27 16 | 10 33 | 9 49 | 9 40 | 26 32 | 3 50 | 4 38 |
| S 27 | 22 5 | 3 59 | 1 6 | 21 0 | 0n 7 | 7 35 | 2 32 | 0 30 | 1 43 | 19 18 | 0 43 | 5 33 | 2 10 | 1 54 | 0 41 | 1 47 | 1 47 | 27 15 | 10 33 | 9 49 | 9 41 | 26 30 | 3 49 | 4 37 |
| S 28 | 22 13 | 2n 1 | 2 10 | 21 35 | 0 17 | 7 49 | 2 36 | 0 47 | 1 43 | 19 18 | 0 43 | 5 32 | 2 10 | 1 54 | 0 41 | 1 47 | 1 47 | 27 15 | 10 33 | 9 49 | 9 42 | 26 29 | 3 49 | 4 36 |
| M29 | 22 21 | 8 7 | 3 8 | 22 7 | 0 28 | 8 4 | 2 39 | 1 4 | 1 43 | 19 19 | 0 44 | 5 31 | 2 10 | 1 53 | 0 41 | 1 46 | 1 47 | 27 14 | 10 33 | 9 50 | 9 43 | 26 28 | 3 48 | 4 35 |
| T 30 | 22 28 | 14 4 | 3 58 | 22 38 | 0 38 | 8 19 | 2 42 | 1 21 | 1 43 | 19 19 | 0 44 | 5 30 | 2 11 | 1 53 | 0 41 | 1 46 | 1 47 | 27 14 | 10 33 | 9 52 | 9 44 | 26 26 | 3 48 | 4 35 |
| W31 | 22n36 | 19n31 | 4n36 | 23n 6 | 0n47 | 8n34 | 2s45 | 1n39 | 1s43 | 19s20 | 0s44 | 5s29 | 2s11 | 1s53 | 0n41 | 1s46 | 1n47 | 27n13 | 10n32 | 9s55 | 9s45 | 26s25 | 3n47 | 4s34 |

Julian Day Number = 2073644.5, Delta T = 27m24s
Ecliptic obliquity = 23°34'32, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'13, Lahiri = 9°26'14 Julian Calendar 1 May 965 == Greg. Calendar 6 May 965


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## JUNE 965 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 57 45 | 14♊48'00 | 25♉17 | 13♊58 | 29♈42 | 8♈48 | 6°R59 | 21♓18 | 6°R16 | 8°R31 | 12♌32 | 4°R20 | 4♓53 | 16♑23 | 9♍38 | T 1 |
| F 2 | 17 1 42 | 15°45'13 | 10♊ 8 | 16° 9 | 0♉34 | 9°32 | 6♒57 | 21°21 | 6♎16 | 8♎31 | 12°34 | 4♓ 9 | 4°49 | 16°30 | 9°42 | F 2 |
| S 3 | 17 5 38 | 16°42'25 | 25°12 | 18°20 | 1°26 | 10°15 | 6°55 | 21°24 | 6°16 | 8°30 | 12°35 | 3°59 | 4°46 | 16°37 | 9°45 | S 3 |
| S 4 | 17 9 35 | 17°39'37 | 10♋19 | 20°31 | 2°18 | 10°58 | 6°52 | 21°26 | 6°15 | 8°30 | 12°36 | 3°50 | 4°43 | 16°43 | 9°49 | S 4 |
| M 5 | 17 13 32 | 18°36'49 | 25°20 | 22°40 | 3°11 | 11°41 | 6°49 | 21°29 | 6°15 | 8°30 | 12°37 | 3°43 | 4°40 | 16°50 | 9°52 | M 5 |
| T 6 | 17 17 28 | 19°34'00 | 10♌ 5 | 24°49 | 4° 5 | 12°24 | 6°46 | 21°31 | 6°15 | 8°29 | 12°39 | 3°39 | 4°37 | 16°57 | 9°56 | T 6 |
| W 7 | 17 21 25 | 20°31'11 | 24°30 | 26°56 | 4°59 | 13° 6 | 6°43 | 21°33 | 6°15 | 8°29 | 12°40 | 3°37 | 4°34 | 17° 3 | 10° 0 | W 7 |
| T 8 | 17 25 21 | 21°28'21 | 8♍32 | 29° 2 | 5°54 | 13°49 | 6°40 | 21°35 | 6°15 | 8°29 | 12°41 | 3°D37 | 4°30 | 17°10 | 10° 4 | T 8 |
| F 9 | 17 29 18 | 22°25'31 | 22°12 | 1♋ 7 | 6°49 | 14°32 | 6°37 | 21°37 | 6°D15 | 8°29 | 12°43 | 3°R37 | 4°27 | 17°17 | 10° 8 | F 9 |
| S 10 | 17 33 14 | 23°22'40 | 5♎31 | 3°10 | 7°45 | 15°14 | 6°33 | 21°39 | 6°15 | 8°29 | 12°44 | 3°37 | 4°24 | 17°24 | 10°12 | S 10 |
| S 11 | 17 37 11 | 24°19'49 | 18°31 | 5°11 | 8°41 | 15°57 | 6°29 | 21°41 | 6°15 | 8°28 | 12°45 | 3°34 | 4°21 | 17°30 | 10°16 | S 11 |
| M12 | 17 41 7 | 25°16'57 | 1♏16 | 7°10 | 9°37 | 16°39 | 6°25 | 21°43 | 6°15 | 8°28 | 12°47 | 3°30 | 4°18 | 17°37 | 10°21 | M12 |
| T 13 | 17 45 4 | 26°14'06 | 13°47 | 9° 8 | 10°35 | 17°21 | 6°21 | 21°44 | 6°15 | 8°28 | 12°48 | 3°22 | 4°15 | 17°44 | 10°25 | T 13 |
| W14 | 17 49 1 | 27°11'14 | 26° 8 | 11° 3 | 11°32 | 18° 4 | 6°17 | 21°46 | 6°15 | 8°28 | 12°50 | 3°13 | 4°11 | 17°50 | 10°30 | W14 |
| T 15 | 17 52 57 | 28° 8'23 | 8♐20 | 12°57 | 12°30 | 18°46 | 6°12 | 21°47 | 6°16 | 8°D28 | 12°51 | 3° 2 | 4° 8 | 17°57 | 10°34 | T 15 |
| F 16 | 17 56 54 | 29° 5'31 | 20°25 | 14°48 | 13°28 | 19°28 | 6° 8 | 21°49 | 6°16 | 8°28 | 12°53 | 2°50 | 4° 5 | 18° 4 | 10°39 | F 16 |
| S 17 | 18 0 50 | 0♋ 2'40 | 2♑23 | 16°38 | 14°27 | 20° 9 | 6° 3 | 21°50 | 6°16 | 8°28 | 12°54 | 2°39 | 4° 2 | 18°10 | 10°44 | S 17 |
| S 18 | 18 4 47 | 0°59'49 | 14°16 | 18°25 | 15°26 | 20°51 | 5°58 | 21°51 | 6°17 | 8°28 | 12°56 | 2°29 | 3°59 | 18°17 | 10°48 | S 18 |
| M19 | 18 8 43 | 1°56'58 | 26° 6 | 20°11 | 16°25 | 21°33 | 5°53 | 21°52 | 6°17 | 8°28 | 12°57 | 2°21 | 3°56 | 18°24 | 10°53 | M19 |
| T 20 | 18 12 40 | 2°54'07 | 7♒55 | 21°55 | 17°25 | 22°15 | 5°47 | 21°53 | 6°18 | 8°29 | 12°59 | 2°16 | 3°52 | 18°30 | 10°58 | T 20 |
| W21 | 18 16 36 | 3°51'17 | 19°45 | 23°36 | 18°25 | 22°56 | 5°42 | 21°54 | 6°18 | 8°29 | 13° 0 | 2°13 | 3°49 | 18°37 | 11° 4 | W21 |
| T 22 | 18 20 33 | 4°48'27 | 1♓41 | 25°16 | 19°25 | 23°37 | 5°37 | 21°55 | 6°19 | 8°29 | 13° 2 | 2°D12 | 3°46 | 18°44 | 11° 9 | T 22 |
| F 23 | 18 24 30 | 5°45'37 | 13°47 | 26°54 | 20°26 | 24°19 | 5°31 | 21°55 | 6°20 | 8°29 | 13° 3 | 2°12 | 3°43 | 18°50 | 11°14 | F 23 |
| S 24 | 18 28 26 | 6°42'49 | 26° 7 | 28°30 | 21°27 | 25° 0 | 5°25 | 21°56 | 6°21 | 8°30 | 13° 5 | 2°13 | 3°40 | 18°57 | 11°19 | S 24 |
| S 25 | 18 32 23 | 7°40'01 | 8♈45 | 0♌ 3 | 22°28 | 25°41 | 5°19 | 21°56 | 6°21 | 8°30 | 13° 7 | 2°R14 | 3°36 | 19° 4 | 11°25 | S 25 |
| M26 | 18 36 19 | 8°37'13 | 21°48 | 1°35 | 23°30 | 26°22 | 5°13 | 21°56 | 6°22 | 8°30 | 13° 8 | 2°13 | 3°33 | 19°11 | 11°30 | M26 |
| T 27 | 18 40 16 | 9°34'27 | 5♉17 | 3° 5 | 24°32 | 27° 3 | 5° 7 | 21°57 | 6°23 | 8°31 | 13°10 | 2°10 | 3°30 | 19°17 | 11°36 | T 27 |
| W28 | 18 44 12 | 10°31'41 | 19°15 | 4°33 | 25°34 | 27°44 | 5° 0 | 21°57 | 6°24 | 8°31 | 13°12 | 2° 5 | 3°27 | 19°24 | 11°42 | W28 |
| T 29 | 18 48 9 | 11°28'56 | 3♊42 | 5°58 | 26°37 | 28°24 | 4°54 | 21°R57 | 6°25 | 8°31 | 13°13 | 1°59 | 3°24 | 19°31 | 11°48 | T 29 |
| F 30 | 18 52 5 | 12♋26'12 | 18♊32 | 7♌22 | 27♉39 | 29♈ 5 | 4♒47 | 21♓57 | 6♎26 | 8♎32 | 13♌15 | 1♓52 | 3♓21 | 19♑37 | 11♍53 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 22n42 | 24n 0 | 4n57 | 23n32 | 0n56 | 8n49 | 2s48 | 1n56 | 1s43 | 19s21 | 0s44 | 5s28 | 2s11 | 1s53 | 0n41 | 1s46 | 1n47 | 27n13 | 10n32 | 9s59 | 9s47 | 26s23 | 3n47 | 4s33 |
| F 2 | 22 49 | 27 2 | 4 59 | 23 56 | 1 5 | 9 5 | 2 50 | 2 13 | 1 44 | 19 22 | 0 45 | 5 27 | 2 11 | 1 53 | 0 41 | 1 46 | 1 47 | 27 12 | 10 32 | 10 3 | 9 48 | 26 22 | 3 46 | 4 32 |
| S 3 | 22 54 | 28 10 | 4 41 | 24 16 | 1 13 | 9 20 | 2 52 | 2 30 | 1 44 | 19 22 | 0 45 | 5 27 | 2 12 | 1 53 | 0 41 | 1 46 | 1 46 | 27 12 | 10 32 | 10 6 | 9 49 | 26 21 | 3 46 | 4 32 |
| S 4 | 23 0 | 27 12 | 4 3 | 24 34 | 1 20 | 9 37 | 2 55 | 2 46 | 1 44 | 19 23 | 0 45 | 5 26 | 2 12 | 1 53 | 0 41 | 1 46 | 1 46 | 27 11 | 10 32 | 10 10 | 9 50 | 26 19 | 3 45 | 4 31 |
| M 5 | 23 5 | 24 16 | 3 8 | 24 49 | 1 27 | 9 53 | 2 57 | 3 3 | 1 44 | 19 24 | 0 45 | 5 25 | 2 12 | 1 53 | 0 40 | 1 46 | 1 46 | 27 11 | 10 31 | 10 12 | 9 51 | 26 18 | 3 44 | 4 30 |
| T 6 | 23 10 | 19 46 | 2 1 | 25 1 | 1 33 | 10 9 | 2 58 | 3 20 | 1 44 | 19 25 | 0 46 | 5 24 | 2 12 | 1 53 | 0 40 | 1 46 | 1 46 | 27 10 | 10 31 | 10 14 | 9 52 | 26 16 | 3 43 | 4 30 |
| W 7 | 23 14 | 14 11 | 0 48 | 25 10 | 1 38 | 10 26 | 3 0 | 3 37 | 1 44 | 19 26 | 0 46 | 5 24 | 2 13 | 1 53 | 0 40 | 1 45 | 1 46 | 27 10 | 10 31 | 10 14 | 9 54 | 26 15 | 3 43 | 4 29 |
| T 8 | 23 18 | 8 1 | 0s26 | 25 17 | 1 43 | 10 43 | 3 1 | 3 53 | 1 44 | 19 27 | 0 46 | 5 23 | 2 13 | 1 53 | 0 40 | 1 45 | 1 46 | 27 9 | 10 31 | 10 14 | 9 55 | 26 13 | 3 42 | 4 28 |
| F 9 | 23 21 | 1 38 | 1 37 | 25 21 | 1 47 | 11 0 | 3 3 | 4 10 | 1 44 | 19 28 | 0 46 | 5 23 | 2 13 | 1 53 | 0 40 | 1 45 | 1 46 | 27 9 | 10 31 | 10 14 | 9 56 | 26 12 | 3 41 | 4 28 |
| S 10 | 23 25 | 4s39 | 2 41 | 25 22 | 1 50 | 11 17 | 3 4 | 4 27 | 1 44 | 19 30 | 0 47 | 5 22 | 2 13 | 1 53 | 0 40 | 1 45 | 1 46 | 27 8 | 10 31 | 10 14 | 9 57 | 26 10 | 3 40 | 4 27 |
| S 11 | 23 27 | 10 36 | 3 35 | 25 20 | 1 52 | 11 34 | 3 5 | 4 43 | 1 44 | 19 31 | 0 47 | 5 22 | 2 14 | 1 53 | 0 40 | 1 45 | 1 46 | 27 7 | 10 30 | 10 15 | 9 58 | 26 9 | 3 39 | 4 26 |
| M12 | 23 29 | 15 59 | 4 17 | 25 16 | 1 54 | 11 51 | 3 5 | 4 59 | 1 44 | 19 32 | 0 47 | 5 21 | 2 14 | 1 53 | 0 40 | 1 45 | 1 46 | 27 7 | 10 30 | 10 17 | 9 59 | 26 7 | 3 38 | 4 26 |
| T 13 | 23 31 | 20 36 | 4 45 | 25 10 | 1 55 | 12 8 | 3 6 | 5 16 | 1 43 | 19 33 | 0 47 | 5 21 | 2 14 | 1 53 | 0 40 | 1 45 | 1 46 | 27 6 | 10 30 | 10 20 | 10 1 | 26 6 | 3 37 | 4 25 |
| W14 | 23 33 | 24 15 | 5 0 | 25 1 | 1 55 | 12 25 | 3 6 | 5 32 | 1 43 | 19 35 | 0 48 | 5 21 | 2 15 | 1 53 | 0 40 | 1 45 | 1 46 | 27 6 | 10 30 | 10 23 | 10 2 | 26 4 | 3 36 | 4 24 |
| T 15 | 23 34 | 26 47 | 5 1 | 24 50 | 1 55 | 12 43 | 3 7 | 5 48 | 1 43 | 19 36 | 0 48 | 5 20 | 2 15 | 1 53 | 0 40 | 1 45 | 1 46 | 27 5 | 10 30 | 10 27 | 10 3 | 26 3 | 3 35 | 4 24 |
| F 16 | 23 34 | 28 1 | 4 49 | 24 38 | 1 53 | 13 0 | 3 7 | 6 4 | 1 43 | 19 37 | 0 48 | 5 20 | 2 15 | 1 53 | 0 40 | 1 46 | 1 46 | 27 5 | 10 30 | 10 31 | 10 4 | 26 1 | 3 34 | 4 23 |
| S 17 | 23 35 | 27 57 | 4 23 | 24 23 | 1 52 | 13 17 | 3 7 | 6 20 | 1 43 | 19 39 | 0 48 | 5 20 | 2 15 | 1 54 | 0 40 | 1 46 | 1 46 | 27 4 | 10 30 | 10 35 | 10 5 | 26 0 | 3 33 | 4 22 |
| S 18 | 23 34 | 26 34 | 3 47 | 24 6 | 1 49 | 13 35 | 3 7 | 6 36 | 1 43 | 19 40 | 0 48 | 5 20 | 2 16 | 1 54 | 0 40 | 1 46 | 1 46 | 27 3 | 10 29 | 10 39 | 10 6 | 25 58 | 3 31 | 4 22 |
| M19 | 23 34 | 24 0 | 3 0 | 23 48 | 1 47 | 13 52 | 3 6 | 6 51 | 1 43 | 19 42 | 0 49 | 5 19 | 2 16 | 1 54 | 0 40 | 1 46 | 1 46 | 27 3 | 10 29 | 10 42 | 10 8 | 25 57 | 3 30 | 4 21 |
| T 20 | 23 33 | 20 25 | 2 6 | 23 29 | 1 43 | 14 9 | 3 6 | 7 7 | 1 43 | 19 43 | 0 49 | 5 19 | 2 16 | 1 54 | 0 40 | 1 46 | 1 46 | 27 2 | 10 29 | 10 44 | 10 9 | 25 55 | 3 29 | 4 20 |
| W21 | 23 31 | 16 1 | 1 6 | 23 7 | 1 39 | 14 26 | 3 5 | 7 23 | 1 43 | 19 45 | 0 49 | 5 19 | 2 17 | 1 55 | 0 40 | 1 46 | 1 45 | 27 2 | 10 29 | 10 45 | 10 10 | 25 54 | 3 27 | 4 20 |
| T 22 | 23 29 | 10 59 | 0 3 | 22 45 | 1 34 | 14 43 | 3 5 | 7 38 | 1 42 | 19 46 | 0 49 | 5 19 | 2 17 | 1 55 | 0 40 | 1 46 | 1 45 | 27 1 | 10 29 | 10 45 | 10 11 | 25 52 | 3 26 | 4 19 |
| F 23 | 23 27 | 5 28 | 1n 2 | 22 21 | 1 29 | 15 0 | 3 4 | 7 54 | 1 42 | 19 48 | 0 50 | 5 19 | 2 17 | 1 55 | 0 40 | 1 46 | 1 45 | 27 0 | 10 29 | 10 45 | 10 12 | 25 50 | 3 25 | 4 18 |
| S 24 | 23 24 | 0n21 | 2 5 | 21 57 | 1 24 | 15 17 | 3 3 | 8 9 | 1 42 | 19 50 | 0 50 | 5 19 | 2 17 | 1 56 | 0 40 | 1 46 | 1 45 | 27 0 | 10 29 | 10 45 | 10 13 | 25 49 | 3 23 | 4 18 |
| S 25 | 23 21 | 6 18 | 3 3 | 21 31 | 1 18 | 15 34 | 3 2 | 8 24 | 1 42 | 19 51 | 0 50 | 5 19 | 2 18 | 1 56 | 0 40 | 1 47 | 1 45 | 26 59 | 10 29 | 10 44 | 10 14 | 25 47 | 3 22 | 4 17 |
| M26 | 23 18 | 12 9 | 3 54 | 21 4 | 1 11 | 15 50 | 3 1 | 8 39 | 1 42 | 19 53 | 0 50 | 5 19 | 2 18 | 1 56 | 0 40 | 1 47 | 1 45 | 26 59 | 10 29 | 10 45 | 10 16 | 25 46 | 3 20 | 4 17 |
| T 27 | 23 14 | 17 39 | 4 34 | 20 37 | 1 4 | 16 7 | 2 59 | 8 54 | 1 41 | 19 55 | 0 50 | 5 20 | 2 18 | 1 57 | 0 40 | 1 47 | 1 45 | 26 58 | 10 28 | 10 46 | 10 17 | 25 44 | 3 18 | 4 16 |
| W28 | 23 9 | 22 26 | 5 0 | 20 9 | 0 57 | 16 23 | 2 58 | 9 9 | 1 41 | 19 57 | 0 51 | 5 20 | 2 19 | 1 57 | 0 40 | 1 47 | 1 45 | 26 57 | 10 28 | 10 47 | 10 18 | 25 42 | 3 17 | 4 15 |
| T 29 | 23 5 | 26 2 | 5 7 | 19 40 | 0 49 | 16 39 | 2 57 | 9 24 | 1 41 | 19 58 | 0 51 | 5 20 | 2 19 | 1 58 | 0 39 | 1 47 | 1 45 | 26 57 | 10 28 | 10 50 | 10 19 | 25 41 | 3 15 | 4 15 |
| F 30 | 22n59 | 27n58 | 4n54 | 19n11 | 0n40 | 16n54 | 2s55 | 9n38 | 1s41 | 20s 0 | 0s51 | 5s20 | 2s19 | 1s58 | 0n39 | 1s48 | 1n45 | 26n56 | 10n28 | 10s52 | 10s20 | 25s39 | 3n14 | 4s14 |

Julian Day Number = 2073675.5, Delta T = 27m24s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'18, Lahiri = 9°26'18 Julian Calendar 1 June 965 == Greg. Calendar 6 June 965


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## JULY 965 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 56 2 | 13♋23'29 | 3♋40 | 8♌43 | 28♉42 | 29♈45 | 4°R41 | 21°R56 | 6♎27 | 8♎32 | 13♌17 | 1°R45 | 3♓17 | 19♑44 | 11♍59 | S 1 |
| S 2 | 18 59 59 | 14°20'46 | 18°56 | 10° 3 | 29°46 | 0♉25 | 4♒34 | 21♓56 | 6°29 | 8°33 | 13°19 | 1♓38 | 3°14 | 19°51 | 12° 5 | S 2 |
| M 3 | 19 3 55 | 15°18'04 | 4♌ 7 | 11°20 | 0♊49 | 1° 5 | 4°27 | 21°56 | 6°30 | 8°34 | 13°20 | 1°34 | 3°11 | 19°57 | 12°11 | M 3 |
| T 4 | 19 7 52 | 16°15'22 | 19° 6 | 12°34 | 1°53 | 1°45 | 4°20 | 21°55 | 6°31 | 8°34 | 13°22 | 1°31 | 3° 8 | 20° 4 | 12°18 | T 4 |
| W 5 | 19 11 48 | 17°12'41 | 3♍45 | 13°47 | 2°57 | 2°25 | 4°13 | 21°55 | 6°32 | 8°35 | 13°24 | 1°D31 | 3° 5 | 20°11 | 12°24 | W 5 |
| T 6 | 19 15 45 | 18°10'01 | 17°58 | 14°57 | 4° 1 | 3° 5 | 4° 6 | 21°54 | 6°34 | 8°35 | 13°26 | 1°32 | 3° 2 | 20°17 | 12°30 | T 6 |
| F 7 | 19 19 41 | 19° 7'20 | 1♎46 | 16° 5 | 5° 5 | 3°45 | 3°58 | 21°53 | 6°35 | 8°36 | 13°28 | 1°33 | 2°58 | 20°24 | 12°36 | F 7 |
| S 8 | 19 23 38 | 20° 4'41 | 15° 8 | 17°10 | 6°10 | 4°24 | 3°51 | 21°52 | 6°37 | 8°37 | 13°29 | 1°R34 | 2°55 | 20°31 | 12°43 | S 8 |
| S 9 | 19 27 35 | 21° 2'02 | 28° 8 | 18°12 | 7°15 | 5° 3 | 3°44 | 21°51 | 6°38 | 8°38 | 13°31 | 1°34 | 2°52 | 20°37 | 12°49 | S 9 |
| M10 | 19 31 31 | 21°59'23 | 10♏48 | 19°12 | 8°20 | 5°42 | 3°36 | 21°50 | 6°40 | 8°38 | 13°33 | 1°32 | 2°49 | 20°44 | 12°56 | M10 |
| T 11 | 19 35 28 | 22°56'46 | 23°13 | 20° 9 | 9°25 | 6°21 | 3°29 | 21°49 | 6°41 | 8°39 | 13°35 | 1°29 | 2°46 | 20°51 | 13° 3 | T 11 |
| W12 | 19 39 24 | 23°54'09 | 5♐25 | 21° 3 | 10°30 | 7° 0 | 3°21 | 21°48 | 6°43 | 8°40 | 13°37 | 1°24 | 2°42 | 20°57 | 13° 9 | W12 |
| T 13 | 19 43 21 | 24°51'33 | 17°28 | 21°54 | 11°36 | 7°39 | 3°13 | 21°46 | 6°45 | 8°41 | 13°39 | 1°18 | 2°39 | 21° 4 | 13°16 | T 13 |
| F 14 | 19 47 17 | 25°48'57 | 29°25 | 22°41 | 12°41 | 8°18 | 3° 6 | 21°45 | 6°46 | 8°42 | 13°40 | 1°11 | 2°36 | 21°11 | 13°23 | F 14 |
| S 15 | 19 51 14 | 26°46'23 | 11♑17 | 23°25 | 13°47 | 8°56 | 2°58 | 21°43 | 6°48 | 8°43 | 13°42 | 1° 5 | 2°33 | 21°18 | 13°30 | S 15 |
| S 16 | 19 55 10 | 27°43'49 | 23° 8 | 24° 5 | 14°53 | 9°34 | 2°50 | 21°41 | 6°50 | 8°44 | 13°44 | 1° 0 | 2°30 | 21°24 | 13°37 | S 16 |
| M17 | 19 59 7 | 28°41'17 | 4♒58 | 24°42 | 16° 0 | 10°13 | 2°42 | 21°40 | 6°52 | 8°45 | 13°46 | 0°56 | 2°27 | 21°31 | 13°44 | M17 |
| T 18 | 20 3 4 | 29°38'45 | 16°49 | 25°14 | 17° 6 | 10°51 | 2°35 | 21°38 | 6°54 | 8°46 | 13°48 | 0°53 | 2°23 | 21°38 | 13°51 | T 18 |
| W19 | 20 7 0 | 0♌36'15 | 28°45 | 25°43 | 18°13 | 11°28 | 2°27 | 21°36 | 6°56 | 8°47 | 13°50 | 0°D52 | 2°20 | 21°44 | 13°58 | W19 |
| T 20 | 20 10 57 | 1°33'46 | 10♓47 | 26° 7 | 19°20 | 12° 6 | 2°19 | 21°34 | 6°58 | 8°48 | 13°52 | 0°53 | 2°17 | 21°51 | 14° 5 | T 20 |
| F 21 | 20 14 53 | 2°31'19 | 22°59 | 26°26 | 20°27 | 12°44 | 2°11 | 21°32 | 7° 0 | 8°49 | 13°54 | 0°54 | 2°14 | 21°58 | 14°12 | F 21 |
| S 22 | 20 18 50 | 3°28'53 | 5♈24 | 26°41 | 21°34 | 13°21 | 2° 3 | 21°29 | 7° 2 | 8°50 | 13°56 | 0°56 | 2°11 | 22° 4 | 14°20 | S 22 |
| S 23 | 20 22 46 | 4°26'28 | 18° 5 | 26°50 | 22°41 | 13°58 | 1°56 | 21°27 | 7° 4 | 8°51 | 13°58 | 0°57 | 2° 7 | 22°11 | 14°27 | S 23 |
| M24 | 20 26 43 | 5°24'05 | 1♉ 7 | 26°R55 | 23°49 | 14°35 | 1°48 | 21°25 | 7° 7 | 8°53 | 13°59 | 0°R58 | 2° 4 | 22°18 | 14°34 | M24 |
| T 25 | 20 30 39 | 6°21'43 | 14°31 | 26°54 | 24°56 | 15°12 | 1°40 | 21°22 | 7° 9 | 8°54 | 14° 1 | 0°58 | 2° 1 | 22°24 | 14°42 | T 25 |
| W26 | 20 34 36 | 7°19'23 | 28°21 | 26°47 | 26° 4 | 15°49 | 1°32 | 21°19 | 7°11 | 8°55 | 14° 3 | 0°57 | 1°58 | 22°31 | 14°49 | W26 |
| T 27 | 20 38 33 | 8°17'05 | 12♊36 | 26°35 | 27°12 | 16°25 | 1°24 | 21°17 | 7°13 | 8°56 | 14° 5 | 0°54 | 1°55 | 22°38 | 14°57 | T 27 |
| F 28 | 20 42 29 | 9°14'49 | 27°14 | 26°17 | 28°20 | 17° 1 | 1°17 | 21°14 | 7°16 | 8°58 | 14° 7 | 0°52 | 1°52 | 22°44 | 15° 4 | F 28 |
| S 29 | 20 46 26 | 10°12'34 | 12♋11 | 25°54 | 29°28 | 17°37 | 1° 9 | 21°11 | 7°18 | 8°59 | 14° 9 | 0°49 | 1°48 | 22°51 | 15°12 | S 29 |
| S 30 | 20 50 22 | 11°10'21 | 27°18 | 25°25 | 0♋36 | 18°13 | 1° 1 | 21° 8 | 7°21 | 9° 0 | 14°11 | 0°47 | 1°45 | 22°58 | 15°20 | S 30 |
| M31 | 20 54 19 | 12♌ 8'09 | 12♌27 | 24♌51 | 1♋45 | 18♉49 | 0♒54 | 21♓ 5 | 7♎23 | 9♎ 2 | 14♌13 | 0♓45 | 1♓42 | 23♑ 4 | 15♍28 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n54 | 27n53 | 4n21 | 18n42 | 0n32 | 17n10 | 2s53 | 9n53 | 1s40 | 20s 2 | 0s51 | 5s21 | 2s19 | 1s58 | 0n39 | 1s48 | 1n45 | 26n56 | 10n28 | 10s55 | 10s21 | 25s38 | 3n12 | 4s14 |
| S 2 | 22 48 | 25 41 | 3 29 | 18 12 | 0 23 | 17 25 | 2 52 | 10 7 | 1 40 | 20 4 | 0 52 | 5 21 | 2 20 | 1 59 | 0 39 | 1 48 | 1 45 | 26 55 | 10 28 | 10 57 | 10 23 | 25 36 | 3 10 | 4 13 |
| M 3 | 22 42 | 21 38 | 2 22 | 17 42 | 0 13 | 17 40 | 2 50 | 10 22 | 1 40 | 20 6 | 0 52 | 5 22 | 2 20 | 2 0 | 0 39 | 1 48 | 1 45 | 26 54 | 10 28 | 10 59 | 10 24 | 25 34 | 3 8 | 4 12 |
| T 4 | 22 35 | 16 14 | 1 7 | 17 11 | 0 4 | 17 55 | 2 48 | 10 36 | 1 40 | 20 8 | 0 52 | 5 22 | 2 20 | 2 0 | 0 39 | 1 49 | 1 45 | 26 54 | 10 28 | 11 0 | 10 25 | 25 33 | 3 7 | 4 12 |
| W 5 | 22 28 | 10 0 | 0s12 | 16 41 | 0s 6 | 18 9 | 2 46 | 10 50 | 1 39 | 20 9 | 0 52 | 5 22 | 2 20 | 2 1 | 0 39 | 1 49 | 1 45 | 26 53 | 10 28 | 11 0 | 10 26 | 25 31 | 3 5 | 4 11 |
| T 6 | 22 20 | 3 26 | 1 28 | 16 11 | 0 17 | 18 24 | 2 44 | 11 4 | 1 39 | 20 11 | 0 52 | 5 23 | 2 21 | 2 1 | 0 39 | 1 49 | 1 45 | 26 53 | 10 28 | 11 0 | 10 27 | 25 29 | 3 3 | 4 11 |
| F 7 | 22 12 | 3s 6 | 2 37 | 15 40 | 0 27 | 18 37 | 2 41 | 11 17 | 1 39 | 20 13 | 0 52 | 5 24 | 2 21 | 2 2 | 0 39 | 1 50 | 1 45 | 26 52 | 10 28 | 10 59 | 10 28 | 25 28 | 3 1 | 4 10 |
| S 8 | 22 4 | 9 17 | 3 34 | 15 10 | 0 38 | 18 51 | 2 39 | 11 31 | 1 38 | 20 15 | 0 53 | 5 24 | 2 21 | 2 2 | 0 39 | 1 50 | 1 45 | 26 51 | 10 28 | 10 59 | 10 29 | 25 26 | 2 59 | 4 10 |
| S 9 | 21 55 | 14 54 | 4 19 | 14 41 | 0 49 | 19 4 | 2 37 | 11 45 | 1 38 | 20 17 | 0 53 | 5 25 | 2 22 | 2 3 | 0 39 | 1 50 | 1 45 | 26 51 | 10 28 | 10 59 | 10 31 | 25 24 | 2 57 | 4 9 |
| M10 | 21 46 | 19 45 | 4 50 | 14 11 | 1 0 | 19 17 | 2 34 | 11 58 | 1 37 | 20 19 | 0 53 | 5 26 | 2 22 | 2 4 | 0 39 | 1 51 | 1 44 | 26 50 | 10 28 | 10 59 | 10 32 | 25 23 | 2 55 | 4 9 |
| T 11 | 21 37 | 23 38 | 5 7 | 13 43 | 1 12 | 19 29 | 2 32 | 12 11 | 1 37 | 20 21 | 0 53 | 5 26 | 2 22 | 2 4 | 0 39 | 1 51 | 1 44 | 26 50 | 10 28 | 11 1 | 10 33 | 25 21 | 2 53 | 4 8 |
| W12 | 21 27 | 26 24 | 5 10 | 13 15 | 1 24 | 19 42 | 2 29 | 12 24 | 1 37 | 20 23 | 0 53 | 5 27 | 2 22 | 2 5 | 0 39 | 1 52 | 1 44 | 26 49 | 10 28 | 11 2 | 10 34 | 25 19 | 2 51 | 4 7 |
| T 13 | 21 17 | 27 56 | 4 58 | 12 47 | 1 35 | 19 53 | 2 26 | 12 37 | 1 36 | 20 25 | 0 53 | 5 28 | 2 23 | 2 6 | 0 39 | 1 52 | 1 44 | 26 48 | 10 27 | 11 5 | 10 35 | 25 18 | 2 49 | 4 7 |
| F 14 | 21 6 | 28 8 | 4 34 | 12 20 | 1 47 | 20 5 | 2 24 | 12 50 | 1 36 | 20 27 | 0 54 | 5 29 | 2 23 | 2 7 | 0 39 | 1 52 | 1 44 | 26 48 | 10 27 | 11 7 | 10 36 | 25 16 | 2 47 | 4 6 |
| S 15 | 20 55 | 27 3 | 3 58 | 11 55 | 1 59 | 20 15 | 2 21 | 13 3 | 1 35 | 20 29 | 0 54 | 5 30 | 2 23 | 2 7 | 0 39 | 1 53 | 1 44 | 26 47 | 10 27 | 11 9 | 10 37 | 25 14 | 2 44 | 4 6 |
| S 16 | 20 44 | 24 44 | 3 12 | 11 30 | 2 12 | 20 26 | 2 18 | 13 16 | 1 35 | 20 31 | 0 54 | 5 30 | 2 23 | 2 8 | 0 39 | 1 53 | 1 44 | 26 47 | 10 27 | 11 11 | 10 39 | 25 12 | 2 42 | 4 5 |
| M17 | 20 32 | 21 21 | 2 17 | 11 6 | 2 24 | 20 36 | 2 15 | 13 28 | 1 34 | 20 33 | 0 54 | 5 31 | 2 24 | 2 9 | 0 39 | 1 54 | 1 44 | 26 46 | 10 27 | 11 12 | 10 40 | 25 11 | 2 40 | 4 5 |
| T 18 | 20 20 | 17 6 | 1 16 | 10 44 | 2 36 | 20 45 | 2 12 | 13 41 | 1 34 | 20 35 | 0 54 | 5 32 | 2 24 | 2 10 | 0 39 | 1 54 | 1 44 | 26 46 | 10 27 | 11 13 | 10 41 | 25 9 | 2 38 | 4 4 |
| W19 | 20 8 | 12 9 | 0 12 | 10 23 | 2 48 | 20 55 | 2 9 | 13 53 | 1 33 | 20 36 | 0 54 | 5 33 | 2 24 | 2 10 | 0 39 | 1 55 | 1 44 | 26 45 | 10 27 | 11 14 | 10 42 | 25 7 | 2 35 | 4 4 |
| T 20 | 19 55 | 6 44 | 0n54 | 10 4 | 3 0 | 21 3 | 2 6 | 14 5 | 1 33 | 20 38 | 0 55 | 5 34 | 2 24 | 2 11 | 0 39 | 1 55 | 1 44 | 26 44 | 10 27 | 11 13 | 10 43 | 25 5 | 2 33 | 4 3 |
| F 21 | 19 43 | 0 59 | 1 58 | 9 47 | 3 11 | 21 11 | 2 3 | 14 17 | 1 32 | 20 40 | 0 55 | 5 36 | 2 25 | 2 12 | 0 39 | 1 55 | 1 44 | 26 44 | 10 27 | 11 13 | 10 44 | 25 4 | 2 31 | 4 3 |
| S 22 | 19 29 | 4n53 | 2 58 | 9 31 | 3 22 | 21 19 | 1 59 | 14 28 | 1 32 | 20 42 | 0 55 | 5 37 | 2 25 | 2 13 | 0 39 | 1 56 | 1 44 | 26 43 | 10 27 | 11 12 | 10 46 | 25 2 | 2 28 | 4 2 |
| S 23 | 19 16 | 10 41 | 3 51 | 9 18 | 3 33 | 21 26 | 1 56 | 14 40 | 1 31 | 20 44 | 0 55 | 5 38 | 2 25 | 2 14 | 0 39 | 1 56 | 1 44 | 26 43 | 10 27 | 11 12 | 10 47 | 25 0 | 2 26 | 4 2 |
| M24 | 19 2 | 16 11 | 4 33 | 9 6 | 3 44 | 21 33 | 1 53 | 14 52 | 1 31 | 20 46 | 0 55 | 5 39 | 2 25 | 2 15 | 0 39 | 1 57 | 1 44 | 26 42 | 10 27 | 11 12 | 10 48 | 24 58 | 2 24 | 4 2 |
| T 25 | 18 47 | 21 5 | 5 2 | 8 57 | 3 54 | 21 39 | 1 50 | 15 3 | 1 30 | 20 48 | 0 55 | 5 40 | 2 26 | 2 16 | 0 39 | 1 58 | 1 44 | 26 41 | 10 28 | 11 12 | 10 49 | 24 56 | 2 21 | 4 1 |
| W26 | 18 33 | 25 0 | 5 14 | 8 51 | 4 3 | 21 45 | 1 46 | 15 14 | 1 30 | 20 50 | 0 55 | 5 41 | 2 26 | 2 17 | 0 38 | 1 58 | 1 44 | 26 41 | 10 28 | 11 12 | 10 50 | 24 55 | 2 19 | 4 1 |
| T 27 | 18 18 | 27 32 | 5 8 | 8 47 | 4 12 | 21 50 | 1 43 | 15 25 | 1 29 | 20 52 | 0 55 | 5 43 | 2 26 | 2 18 | 0 38 | 1 59 | 1 44 | 26 40 | 10 28 | 11 13 | 10 51 | 24 53 | 2 16 | 4 0 |
| F 28 | 18 3 | 28 15 | 4 42 | 8 46 | 4 19 | 21 54 | 1 40 | 15 36 | 1 28 | 20 53 | 0 55 | 5 44 | 2 26 | 2 19 | 0 38 | 1 59 | 1 44 | 26 40 | 10 28 | 11 14 | 10 52 | 24 51 | 2 14 | 4 0 |
| S 29 | 17 47 | 26 56 | 3 57 | 8 47 | 4 26 | 21 58 | 1 36 | 15 47 | 1 28 | 20 55 | 0 56 | 5 45 | 2 27 | 2 20 | 0 38 | 2 0 | 1 44 | 26 39 | 10 28 | 11 15 | 10 54 | 24 49 | 2 11 | 3 59 |
| S 30 | 17 31 | 23 40 | 2 54 | 8 52 | 4 31 | 22 2 | 1 33 | 15 58 | 1 27 | 20 57 | 0 56 | 5 47 | 2 27 | 2 21 | 0 38 | 2 0 | 1 44 | 26 39 | 10 28 | 11 16 | 10 55 | 24 47 | 2 9 | 3 59 |
| M31 | 17n15 | 18n45 | 1n39 | 9n 0 | 4s35 | 22n 5 | 1s29 | 16n 8 | 1s26 | 20s59 | 0s56 | 5s48 | 2s27 | 2s22 | 0n38 | 2s 1 | 1n43 | 26n38 | 10n28 | 11s16 | 10s56 | 24s46 | 2n 6 | 3s58 |

Julian Day Number = 2073705.5, Delta T = 27m23s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'22, Lahiri = 9°26'22 Julian Calendar 1 July 965 == Greg. Calendar 6 July 965


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## AUGUST 965 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 58 15 | 13♌ 5'59 | 27♌28 | 24°R12 | 2♋54 | 19♉24 | 0°R46 | 21°R 2 | 7♎26 | 9♎ 3 | 14♌15 | 0°D44 | 1♓39 | 23♑11 | 15♍35 | T 1 |
| W 2 | 21 2 12 | 14° 3'50 | 12♍12 | 23♌28 | 4° 2 | 20° 0 | 0♒39 | 20♓59 | 7°28 | 9° 5 | 14°17 | 0♓45 | 1°36 | 23°18 | 15°43 | W 2 |
| T 3 | 21 6 8 | 15° 1'42 | 26°34 | 22°40 | 5°11 | 20°35 | 0°32 | 20°56 | 7°31 | 9° 6 | 14°19 | 0°46 | 1°33 | 23°24 | 15°51 | T 3 |
| F 4 | 21 10 5 | 15°59'36 | 10♎31 | 21°49 | 6°20 | 21°10 | 0°24 | 20°52 | 7°34 | 9° 8 | 14°21 | 0°47 | 1°29 | 23°31 | 15°59 | F 4 |
| S 5 | 21 14 2 | 16°57'31 | 24° 1 | 20°56 | 7°29 | 21°44 | 0°17 | 20°49 | 7°36 | 9° 9 | 14°23 | 0°48 | 1°26 | 23°38 | 16° 7 | S 5 |
| S 6 | 21 17 58 | 17°55'27 | 7♏ 5 | 20° 1 | 8°38 | 22°19 | 0°10 | 20°45 | 7°39 | 9°11 | 14°25 | 0°49 | 1°23 | 23°44 | 16°15 | S 6 |
| M 7 | 21 21 55 | 18°53'25 | 19°48 | 19° 6 | 9°48 | 22°53 | 0° 3 | 20°42 | 7°42 | 9°12 | 14°27 | 0°R49 | 1°20 | 23°51 | 16°23 | M 7 |
| T 8 | 21 25 51 | 19°51'24 | 2♐11 | 18°12 | 10°57 | 23°27 | 29♑56 | 20°38 | 7°45 | 9°14 | 14°29 | 0°48 | 1°17 | 23°58 | 16°31 | T 8 |
| W 9 | 21 29 48 | 20°49'24 | 14°21 | 17°19 | 12° 7 | 24° 1 | 29°49 | 20°34 | 7°47 | 9°15 | 14°31 | 0°48 | 1°13 | 24° 4 | 16°39 | W 9 |
| T 10 | 21 33 44 | 21°47'26 | 26°20 | 16°30 | 13°17 | 24°34 | 29°42 | 20°31 | 7°50 | 9°17 | 14°33 | 0°47 | 1°10 | 24°11 | 16°47 | T 10 |
| F 11 | 21 37 41 | 22°45'30 | 8♑12 | 15°45 | 14°26 | 25° 7 | 29°36 | 20°27 | 7°53 | 9°19 | 14°35 | 0°45 | 1° 7 | 24°18 | 16°55 | F 11 |
| S 12 | 21 41 37 | 23°43'35 | 20° 2 | 15° 6 | 15°36 | 25°40 | 29°29 | 20°23 | 7°56 | 9°20 | 14°37 | 0°44 | 1° 4 | 24°24 | 17° 4 | S 12 |
| S 13 | 21 45 34 | 24°41'41 | 1♒52 | 14°32 | 16°46 | 26°13 | 29°23 | 20°19 | 7°59 | 9°22 | 14°39 | 0°44 | 1° 1 | 24°31 | 17°12 | S 13 |
| M14 | 21 49 31 | 25°39'50 | 13°45 | 14° 6 | 17°57 | 26°46 | 29°17 | 20°15 | 8° 2 | 9°24 | 14°40 | 0°43 | 0°58 | 24°38 | 17°20 | M14 |
| T 15 | 21 53 27 | 26°37'59 | 25°44 | 13°47 | 19° 7 | 27°18 | 29°10 | 20°11 | 8° 5 | 9°25 | 14°42 | 0°D43 | 0°54 | 24°44 | 17°28 | T 15 |
| W16 | 21 57 24 | 27°36'11 | 7♓49 | 13°37 | 20°17 | 27°50 | 29° 4 | 20° 7 | 8° 8 | 9°27 | 14°44 | 0°43 | 0°51 | 24°51 | 17°37 | W16 |
| T 17 | 22 1 20 | 28°34'24 | 20° 4 | 13°D36 | 21°28 | 28°22 | 28°58 | 20° 3 | 8°11 | 9°29 | 14°46 | 0°43 | 0°48 | 24°58 | 17°45 | T 17 |
| F 18 | 22 5 17 | 29°32'40 | 2♈29 | 13°43 | 22°38 | 28°53 | 28°53 | 19°59 | 8°14 | 9°31 | 14°48 | 0°43 | 0°45 | 25° 4 | 17°53 | F 18 |
| S 19 | 22 9 13 | 0♍30'57 | 15° 7 | 13°59 | 23°49 | 29°24 | 28°47 | 19°54 | 8°18 | 9°33 | 14°50 | 0°R43 | 0°42 | 25°11 | 18° 2 | S 19 |
| S 20 | 22 13 10 | 1°29'16 | 27°59 | 14°24 | 25° 0 | 29°55 | 28°42 | 19°50 | 8°21 | 9°34 | 14°52 | 0°43 | 0°39 | 25°18 | 18°10 | S 20 |
| M21 | 22 17 6 | 2°27'38 | 11♉ 7 | 14°58 | 26°11 | 0♊26 | 28°36 | 19°46 | 8°24 | 9°36 | 14°54 | 0°43 | 0°35 | 25°24 | 18°19 | M21 |
| T 22 | 22 21 3 | 3°26'02 | 24°33 | 15°40 | 27°22 | 0°56 | 28°31 | 19°41 | 8°27 | 9°38 | 14°56 | 0°43 | 0°32 | 25°31 | 18°27 | T 22 |
| W23 | 22 25 0 | 4°24'28 | 8♊17 | 16°30 | 28°33 | 1°26 | 28°26 | 19°37 | 8°30 | 9°40 | 14°58 | 0°D43 | 0°29 | 25°38 | 18°36 | W23 |
| T 24 | 22 28 56 | 5°22'56 | 22°21 | 17°28 | 29°44 | 1°56 | 28°21 | 19°32 | 8°34 | 9°42 | 14°59 | 0°43 | 0°26 | 25°45 | 18°44 | T 24 |
| F 25 | 22 32 53 | 6°21'26 | 6♋42 | 18°34 | 0♌56 | 2°25 | 28°17 | 19°28 | 8°37 | 9°44 | 15° 1 | 0°43 | 0°23 | 25°51 | 18°53 | F 25 |
| S 26 | 22 36 49 | 7°19'59 | 21°18 | 19°45 | 2° 7 | 2°55 | 28°12 | 19°23 | 8°40 | 9°46 | 15° 3 | 0°44 | 0°19 | 25°58 | 19° 1 | S 26 |
| S 27 | 22 40 46 | 8°18'34 | 6♌ 4 | 21° 3 | 3°19 | 3°23 | 28° 8 | 19°19 | 8°44 | 9°48 | 15° 5 | 0°45 | 0°16 | 26° 5 | 19°10 | S 27 |
| M28 | 22 44 42 | 9°17'11 | 20°55 | 22°27 | 4°30 | 3°52 | 28° 4 | 19°14 | 8°47 | 9°50 | 15° 7 | 0°45 | 0°13 | 26°11 | 19°18 | M28 |
| T 29 | 22 48 39 | 10°15'50 | 5♍43 | 23°55 | 5°42 | 4°20 | 28° 0 | 19°10 | 8°51 | 9°52 | 15° 9 | 0°R45 | 0°10 | 26°18 | 19°27 | T 29 |
| W30 | 22 52 35 | 11°14'31 | 20°20 | 25°28 | 6°54 | 4°48 | 27°56 | 19° 5 | 8°54 | 9°54 | 15°10 | 0°45 | 0° 7 | 26°25 | 19°35 | W30 |
| T 31 | 22 56 32 | 12♍13'14 | 4♎40 | 27♌ 4 | 8♌ 6 | 5♊15 | 27♑52 | 19♓ 0 | 8♎57 | 9♎56 | 15♌12 | 0♓44 | 0♓ 4 | 26♑31 | 19♍44 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n59 | 12n42 | 0n18 | 9n10 | 4s37 | 22n 7 | 1s26 | 16n18 | 1s26 | 21s 0 | 0s56 | 5s50 | 2s27 | 2s23 | 0n38 | 2s 1 | 1n43 | 26n38 | 10n28 | 11s16 | 10s57 | 24s44 | 2n 3 | 3s58 |
| W 2 | 16 42 | 6 3 | 1s 3 | 9 24 | 4 38 | 22 9 | 1 22 | 16 28 | 1 25 | 21 2 | 0 56 | 5 51 | 2 27 | 2 24 | 0 38 | 2 2 | 1 43 | 26 37 | 10 28 | 11 16 | 10 58 | 24 42 | 2 1 | 3 58 |
| T 3 | 16 25 | 0s44 | 2 18 | 9 40 | 4 37 | 22 10 | 1 19 | 16 39 | 1 24 | 21 4 | 0 56 | 5 53 | 2 28 | 2 25 | 0 38 | 2 3 | 1 43 | 26 37 | 10 28 | 11 16 | 10 59 | 24 40 | 1 58 | 3 57 |
| F 4 | 16 8 | 7 17 | 3 23 | 9 59 | 4 34 | 22 10 | 1 15 | 16 48 | 1 24 | 21 5 | 0 56 | 5 54 | 2 28 | 2 26 | 0 38 | 2 3 | 1 43 | 26 36 | 10 28 | 11 16 | 11 0 | 24 38 | 1 55 | 3 57 |
| S 5 | 15 50 | 13 18 | 4 14 | 10 21 | 4 29 | 22 10 | 1 11 | 16 58 | 1 23 | 21 7 | 0 56 | 5 56 | 2 28 | 2 27 | 0 38 | 2 4 | 1 43 | 26 35 | 10 28 | 11 15 | 11 1 | 24 36 | 1 53 | 3 56 |
| S 6 | 15 33 | 18 31 | 4 50 | 10 44 | 4 22 | 22 10 | 1 8 | 17 8 | 1 22 | 21 9 | 0 56 | 5 57 | 2 28 | 2 28 | 0 38 | 2 5 | 1 43 | 26 35 | 10 28 | 11 15 | 11 3 | 24 35 | 1 50 | 3 56 |
| M 7 | 15 15 | 22 46 | 5 11 | 11 10 | 4 14 | 22 9 | 1 4 | 17 17 | 1 21 | 21 10 | 0 56 | 5 59 | 2 28 | 2 29 | 0 38 | 2 5 | 1 43 | 26 34 | 10 28 | 11 15 | 11 4 | 24 33 | 1 47 | 3 56 |
| T 8 | 14 57 | 25 53 | 5 17 | 11 36 | 4 3 | 22 7 | 1 1 | 17 26 | 1 21 | 21 12 | 0 56 | 6 0 | 2 29 | 2 30 | 0 38 | 2 6 | 1 43 | 26 34 | 10 28 | 11 15 | 11 5 | 24 31 | 1 44 | 3 55 |
| W 9 | 14 38 | 27 45 | 5 8 | 12 4 | 3 51 | 22 4 | 0 57 | 17 36 | 1 20 | 21 13 | 0 56 | 6 2 | 2 29 | 2 32 | 0 38 | 2 7 | 1 43 | 26 33 | 10 29 | 11 15 | 11 6 | 24 29 | 1 42 | 3 55 |
| T 10 | 14 19 | 28 17 | 4 46 | 12 32 | 3 37 | 22 1 | 0 54 | 17 45 | 1 19 | 21 15 | 0 56 | 6 4 | 2 29 | 2 33 | 0 38 | 2 7 | 1 43 | 26 33 | 10 29 | 11 16 | 11 7 | 24 27 | 1 39 | 3 55 |
| F 11 | 14 0 | 27 30 | 4 12 | 12 59 | 3 22 | 21 58 | 0 50 | 17 53 | 1 18 | 21 16 | 0 56 | 6 5 | 2 29 | 2 34 | 0 38 | 2 8 | 1 43 | 26 32 | 10 29 | 11 16 | 11 8 | 24 25 | 1 36 | 3 54 |
| S 12 | 13 41 | 25 29 | 3 27 | 13 27 | 3 5 | 21 53 | 0 46 | 18 2 | 1 17 | 21 18 | 0 56 | 6 7 | 2 29 | 2 35 | 0 38 | 2 9 | 1 43 | 26 32 | 10 29 | 11 16 | 11 9 | 24 23 | 1 33 | 3 54 |
| S 13 | 13 22 | 22 21 | 2 33 | 13 53 | 2 48 | 21 49 | 0 43 | 18 11 | 1 16 | 21 19 | 0 57 | 6 9 | 2 29 | 2 36 | 0 38 | 2 9 | 1 43 | 26 31 | 10 29 | 11 17 | 11 11 | 24 21 | 1 30 | 3 53 |
| M14 | 13 2 | 18 16 | 1 33 | 14 18 | 2 30 | 21 43 | 0 39 | 18 19 | 1 16 | 21 20 | 0 57 | 6 10 | 2 30 | 2 38 | 0 38 | 2 10 | 1 43 | 26 31 | 10 29 | 11 17 | 11 12 | 24 19 | 1 27 | 3 53 |
| T 15 | 12 42 | 13 27 | 0 28 | 14 41 | 2 11 | 21 37 | 0 36 | 18 27 | 1 15 | 21 22 | 0 57 | 6 12 | 2 30 | 2 39 | 0 38 | 2 11 | 1 43 | 26 31 | 10 29 | 11 17 | 11 13 | 24 17 | 1 24 | 3 53 |
| W16 | 12 22 | 8 5 | 0n39 | 15 2 | 1 52 | 21 30 | 0 32 | 18 35 | 1 14 | 21 23 | 0 57 | 6 14 | 2 30 | 2 40 | 0 38 | 2 12 | 1 43 | 26 30 | 10 29 | 11 17 | 11 14 | 24 16 | 1 21 | 3 52 |
| T 17 | 12 2 | 2 21 | 1 45 | 15 21 | 1 34 | 21 23 | 0 29 | 18 43 | 1 13 | 21 24 | 0 57 | 6 16 | 2 30 | 2 41 | 0 38 | 2 12 | 1 43 | 26 30 | 10 30 | 11 17 | 11 15 | 24 14 | 1 18 | 3 52 |
| F 18 | 11 42 | 3n33 | 2 47 | 15 37 | 1 15 | 21 15 | 0 25 | 18 51 | 1 12 | 21 25 | 0 57 | 6 18 | 2 30 | 2 42 | 0 38 | 2 13 | 1 43 | 26 29 | 10 30 | 11 17 | 11 16 | 24 12 | 1 16 | 3 52 |
| S 19 | 11 21 | 9 24 | 3 42 | 15 49 | 0 57 | 21 7 | 0 22 | 18 59 | 1 11 | 21 27 | 0 57 | 6 19 | 2 30 | 2 44 | 0 38 | 2 14 | 1 43 | 26 29 | 10 30 | 11 17 | 11 17 | 24 10 | 1 13 | 3 52 |
| S 20 | 11 0 | 14 58 | 4 27 | 15 59 | 0 39 | 20 57 | 0 18 | 19 7 | 1 10 | 21 28 | 0 57 | 6 21 | 2 31 | 2 45 | 0 38 | 2 14 | 1 43 | 26 28 | 10 30 | 11 17 | 11 18 | 24 8 | 1 10 | 3 51 |
| M21 | 10 39 | 19 59 | 4 59 | 16 6 | 0 22 | 20 48 | 0 15 | 19 14 | 1 9 | 21 29 | 0 57 | 6 23 | 2 31 | 2 46 | 0 38 | 2 15 | 1 43 | 26 28 | 10 30 | 11 17 | 11 20 | 24 6 | 1 6 | 3 51 |
| T 22 | 10 18 | 24 6 | 5 16 | 16 9 | 0 6 | 20 37 | 0 11 | 19 21 | 1 8 | 21 30 | 0 57 | 6 25 | 2 31 | 2 48 | 0 38 | 2 16 | 1 43 | 26 27 | 10 30 | 11 17 | 11 21 | 24 4 | 1 3 | 3 51 |
| W23 | 9 57 | 26 59 | 5 15 | 16 8 | 0n10 | 20 26 | 0 8 | 19 28 | 1 7 | 21 31 | 0 57 | 6 27 | 2 31 | 2 49 | 0 38 | 2 17 | 1 43 | 26 27 | 10 30 | 11 17 | 11 22 | 24 2 | 1 0 | 3 50 |
| T 24 | 9 35 | 28 16 | 4 55 | 16 4 | 0 24 | 20 15 | 0 4 | 19 35 | 1 6 | 21 32 | 0 57 | 6 29 | 2 31 | 2 50 | 0 38 | 2 18 | 1 43 | 26 27 | 10 31 | 11 17 | 11 23 | 24 0 | 0 57 | 3 50 |
| F 25 | 9 14 | 27 41 | 4 17 | 15 57 | 0 37 | 20 3 | 0 1 | 19 42 | 1 5 | 21 33 | 0 57 | 6 30 | 2 31 | 2 52 | 0 38 | 2 18 | 1 43 | 26 26 | 10 31 | 11 17 | 11 24 | 23 58 | 0 54 | 3 50 |
| S 26 | 8 52 | 25 12 | 3 22 | 15 46 | 0 50 | 19 50 | 0n 2 | 19 49 | 1 4 | 21 34 | 0 57 | 6 32 | 2 31 | 2 53 | 0 38 | 2 19 | 1 43 | 26 26 | 10 31 | 11 17 | 11 25 | 23 56 | 0 51 | 3 49 |
| S 27 | 8 30 | 21 0 | 2 13 | 15 31 | 1 1 | 19 37 | 0 6 | 19 56 | 1 3 | 21 35 | 0 57 | 6 34 | 2 31 | 2 54 | 0 38 | 2 20 | 1 43 | 26 25 | 10 31 | 11 16 | 11 26 | 23 54 | 0 48 | 3 49 |
| M28 | 8 8 | 15 28 | 0 54 | 15 13 | 1 11 | 19 23 | 0 9 | 20 2 | 1 1 | 21 35 | 0 57 | 6 36 | 2 31 | 2 56 | 0 38 | 2 21 | 1 42 | 26 25 | 10 31 | 11 16 | 11 28 | 23 52 | 0 45 | 3 49 |
| T 29 | 7 46 | 9 3 | 0s27 | 14 52 | 1 19 | 19 9 | 0 12 | 20 9 | 1 0 | 21 36 | 0 57 | 6 38 | 2 32 | 2 57 | 0 38 | 2 22 | 1 42 | 26 25 | 10 32 | 11 16 | 11 29 | 23 50 | 0 42 | 3 49 |
| W30 | 7 23 | 2 13 | 1 46 | 14 28 | 1 27 | 18 54 | 0 15 | 20 15 | 0 59 | 21 37 | 0 57 | 6 40 | 2 32 | 2 58 | 0 38 | 2 22 | 1 42 | 26 24 | 10 32 | 11 16 | 11 30 | 23 48 | 0 39 | 3 48 |
| T 31 | 7n 1 | 4s34 | 2s57 | 14n 1 | 1n33 | 18n38 | 0n18 | 20n21 | 0s58 | 21s38 | 0s57 | 6s42 | 2s32 | 3s 0 | 0n37 | 2s23 | 1n42 | 26n24 | 10n32 | 11s17 | 11s31 | 23s46 | 0n36 | 3s48 |

Julian Day Number = 2073736.5, Delta T = 27m23s
Ecliptic obliquity = 23°34'32, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'26, Lahiri = 9°26'27 Julian Calendar 1 Aug. 965 == Greg. Calendar 6 Aug. 965


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## SEPTEMBER 965 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 0 29 | 13♍11'59 | 18♎39 | 28♌43 | 9♌18 | 5♊42 | 27°R49 | 18°R56 | 9♎ 1 | 9♎58 | 15♌14 | 0°R42 | 0♓ 0 | 26♉38 | 19♍53 | F 1 |
| S 2 | 23 4 25 | 14°10'45 | 2♏13 | 0♍25 | 10°30 | 6° 9 | 27♉46 | 18♓51 | 9° 4 | 10° 0 | 15°16 | 0♓40 | 29♒57 | 26°45 | 20° 1 | S 2 |
| S 3 | 23 8 22 | 15° 9'34 | 15°23 | 2° 9 | 11°42 | 6°35 | 27°42 | 18°46 | 9° 8 | 10° 2 | 15°17 | 0°39 | 29°54 | 26°51 | 20°10 | S 3 |
| M 4 | 23 12 18 | 16° 8'24 | 28° 9 | 3°55 | 12°54 | 7° 1 | 27°40 | 18°42 | 9°11 | 10° 4 | 15°19 | 0°37 | 29°51 | 26°58 | 20°19 | M 4 |
| T 5 | 23 16 15 | 17° 7'16 | 10♐35 | 5°42 | 14° 6 | 7°26 | 27°37 | 18°37 | 9°15 | 10° 6 | 15°21 | 0°37 | 29°48 | 27° 5 | 20°27 | T 5 |
| W 6 | 23 20 11 | 18° 6'10 | 22°45 | 7°30 | 15°19 | 7°51 | 27°34 | 18°32 | 9°19 | 10° 8 | 15°23 | 0°D36 | 29°45 | 27°11 | 20°36 | W 6 |
| T 7 | 23 24 8 | 19° 5'06 | 4♑44 | 9°18 | 16°31 | 8°16 | 27°32 | 18°28 | 9°22 | 10°10 | 15°24 | 0°37 | 29°41 | 27°18 | 20°45 | T 7 |
| F 8 | 23 28 4 | 20° 4'04 | 16°35 | 11° 7 | 17°44 | 8°40 | 27°30 | 18°23 | 9°26 | 10°13 | 15°26 | 0°38 | 29°38 | 27°25 | 20°53 | F 8 |
| S 9 | 23 32 1 | 21° 3'03 | 28°24 | 12°56 | 18°56 | 9° 4 | 27°28 | 18°18 | 9°29 | 10°15 | 15°28 | 0°40 | 29°35 | 27°31 | 21° 2 | S 9 |
| S 10 | 23 35 58 | 22° 2'04 | 10♒16 | 14°45 | 20° 9 | 9°27 | 27°26 | 18°14 | 9°33 | 10°17 | 15°29 | 0°42 | 29°32 | 27°38 | 21°11 | S 10 |
| M11 | 23 39 54 | 23° 1'07 | 22°13 | 16°34 | 21°22 | 9°50 | 27°25 | 18° 9 | 9°37 | 10°19 | 15°31 | 0°43 | 29°29 | 27°45 | 21°19 | M11 |
| T 12 | 23 43 51 | 24° 0'12 | 4♓20 | 18°22 | 22°35 | 10°13 | 27°23 | 18° 4 | 9°40 | 10°21 | 15°33 | 0°R43 | 29°25 | 27°51 | 21°28 | T 12 |
| W13 | 23 47 47 | 24°59'19 | 16°37 | 20°10 | 23°48 | 10°35 | 27°22 | 18° 0 | 9°44 | 10°23 | 15°34 | 0°42 | 29°22 | 27°58 | 21°36 | W13 |
| T 14 | 23 51 44 | 25°58'28 | 29° 8 | 21°57 | 25° 1 | 10°57 | 27°21 | 17°55 | 9°48 | 10°25 | 15°36 | 0°40 | 29°19 | 28° 5 | 21°45 | T 14 |
| F 15 | 23 55 40 | 26°57'39 | 11♈53 | 23°44 | 26°14 | 11°18 | 27°21 | 17°50 | 9°51 | 10°28 | 15°37 | 0°36 | 29°16 | 28°11 | 21°54 | F 15 |
| S 16 | 23 59 37 | 27°56'53 | 24°52 | 25°31 | 27°27 | 11°38 | 27°20 | 17°46 | 9°55 | 10°30 | 15°39 | 0°32 | 29°13 | 28°18 | 22° 2 | S 16 |
| S 17 | 0 3 33 | 28°56'08 | 8♉ 4 | 27°16 | 28°40 | 11°58 | 27°20 | 17°41 | 9°59 | 10°32 | 15°40 | 0°28 | 29°10 | 28°25 | 22°11 | S 17 |
| M18 | 0 7 30 | 29°55'26 | 21°29 | 29° 1 | 29°53 | 12°18 | 27°D20 | 17°37 | 10° 2 | 10°34 | 15°42 | 0°23 | 29° 6 | 28°31 | 22°20 | M18 |
| T 19 | 0 11 26 | 0♎54'46 | 5♊ 7 | 0♎45 | 1♍ 7 | 12°37 | 27°20 | 17°32 | 10° 6 | 10°36 | 15°43 | 0°20 | 29° 3 | 28°38 | 22°28 | T 19 |
| W20 | 0 15 23 | 1°54'09 | 18°55 | 2°29 | 2°20 | 12°56 | 27°20 | 17°28 | 10°10 | 10°39 | 15°45 | 0°18 | 29° 0 | 28°45 | 22°37 | W20 |
| T 21 | 0 19 20 | 2°53'34 | 2♋54 | 4°11 | 3°34 | 13°14 | 27°20 | 17°23 | 10°14 | 10°41 | 15°46 | 0°D17 | 28°57 | 28°51 | 22°46 | T 21 |
| F 22 | 0 23 16 | 3°53'01 | 17° 3 | 5°53 | 4°47 | 13°31 | 27°21 | 17°19 | 10°17 | 10°43 | 15°48 | 0°18 | 28°54 | 28°58 | 22°54 | F 22 |
| S 23 | 0 27 13 | 4°52'31 | 1♌19 | 7°35 | 6° 1 | 13°48 | 27°22 | 17°15 | 10°21 | 10°45 | 15°49 | 0°19 | 28°50 | 29° 5 | 23° 3 | S 23 |
| S 24 | 0 31 9 | 5°52'03 | 15°41 | 9°15 | 7°14 | 14° 4 | 27°23 | 17°10 | 10°25 | 10°48 | 15°51 | 0°21 | 28°47 | 29°11 | 23°11 | S 24 |
| M25 | 0 35 6 | 6°51'38 | 0♍ 5 | 10°55 | 8°28 | 14°20 | 27°24 | 17° 6 | 10°29 | 10°50 | 15°52 | 0°R21 | 28°44 | 29°18 | 23°20 | M25 |
| T 26 | 0 39 2 | 7°51'14 | 14°28 | 12°34 | 9°42 | 14°35 | 27°25 | 17° 2 | 10°33 | 10°52 | 15°53 | 0°20 | 28°41 | 29°25 | 23°28 | T 26 |
| W27 | 0 42 59 | 8°50'53 | 28°45 | 14°13 | 10°56 | 14°50 | 27°27 | 16°58 | 10°36 | 10°54 | 15°55 | 0°18 | 28°38 | 29°31 | 23°37 | W27 |
| T 28 | 0 46 55 | 9°50'34 | 12♎50 | 15°51 | 12°10 | 15° 3 | 27°29 | 16°53 | 10°40 | 10°57 | 15°56 | 0°13 | 28°35 | 29°38 | 23°45 | T 28 |
| F 29 | 0 50 52 | 10°50'17 | 26°40 | 17°28 | 13°24 | 15°17 | 27°31 | 16°49 | 10°44 | 10°59 | 15°57 | 0° 7 | 28°31 | 29°45 | 23°54 | F 29 |
| S 30 | 0 54 49 | 11♎50'02 | 10♏10 | 19♎ 5 | 14♍38 | 15♊29 | 27♉33 | 16♓45 | 10♎48 | 11♎ 1 | 15♌58 | 29♒59 | 28♒28 | 29♉51 | 24♍ 2 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n38 | 10s58 | 3s55 | 13n32 | 1n39 | 18n22 | 0n21 | 20n27 | 0s57 | 21s38 | 0s57 | 6s44 | 2s32 | 3s 1 | 0n37 | 2s24 | 1n42 | 26n24 | 10n32 | 11s17 | 11s32 | 23s44 | 0n32 | 3s48 |
| S 2 | 6 16 | 16 40 | 4 38 | 13 0 | 1 43 | 18 6 | 0 24 | 20 33 | 0 56 | 21 39 | 0 57 | 6 46 | 2 32 | 3 3 | 0 37 | 2 25 | 1 42 | 26 23 | 10 32 | 11 18 | 11 33 | 23 42 | 0 29 | 3 48 |
| S 3 | 5 53 | 21 24 | 5 5 | 12 26 | 1 47 | 17 49 | 0 27 | 20 38 | 0 54 | 21 40 | 0 56 | 6 48 | 2 32 | 3 4 | 0 37 | 2 26 | 1 42 | 26 23 | 10 33 | 11 18 | 11 34 | 23 40 | 0 26 | 3 47 |
| M 4 | 5 30 | 24 59 | 5 16 | 11 49 | 1 49 | 17 31 | 0 30 | 20 44 | 0 53 | 21 40 | 0 56 | 6 49 | 2 32 | 3 5 | 0 37 | 2 27 | 1 42 | 26 22 | 10 33 | 11 19 | 11 35 | 23 38 | 0 23 | 3 47 |
| T 5 | 5 7 | 27 18 | 5 11 | 11 12 | 1 51 | 17 13 | 0 33 | 20 50 | 0 52 | 21 41 | 0 56 | 6 51 | 2 32 | 3 7 | 0 37 | 2 27 | 1 42 | 26 22 | 10 33 | 11 19 | 11 36 | 23 36 | 0 20 | 3 47 |
| W 6 | 4 44 | 28 15 | 4 53 | 10 32 | 1 52 | 16 55 | 0 36 | 20 55 | 0 50 | 21 41 | 0 56 | 6 53 | 2 32 | 3 8 | 0 37 | 2 28 | 1 42 | 26 22 | 10 33 | 11 19 | 11 38 | 23 34 | 0 16 | 3 47 |
| T 7 | 4 21 | 27 51 | 4 22 | 9 51 | 1 52 | 16 35 | 0 39 | 21 0 | 0 49 | 21 42 | 0 56 | 6 55 | 2 32 | 3 10 | 0 37 | 2 29 | 1 42 | 26 22 | 10 34 | 11 19 | 11 39 | 23 32 | 0 13 | 3 47 |
| F 8 | 3 57 | 26 11 | 3 40 | 9 9 | 1 51 | 16 16 | 0 42 | 21 5 | 0 48 | 21 42 | 0 56 | 6 57 | 2 32 | 3 11 | 0 37 | 2 30 | 1 42 | 26 21 | 10 34 | 11 19 | 11 40 | 23 29 | 0 10 | 3 46 |
| S 9 | 3 34 | 23 21 | 2 49 | 8 26 | 1 50 | 15 56 | 0 44 | 21 10 | 0 46 | 21 42 | 0 56 | 6 59 | 2 32 | 3 13 | 0 37 | 2 31 | 1 42 | 26 21 | 10 34 | 11 18 | 11 41 | 23 27 | 0 7 | 3 46 |
| S 10 | 3 11 | 19 32 | 1 50 | 7 42 | 1 48 | 15 35 | 0 47 | 21 15 | 0 45 | 21 43 | 0 56 | 7 1 | 2 32 | 3 14 | 0 37 | 2 32 | 1 42 | 26 21 | 10 34 | 11 17 | 11 42 | 23 25 | 0 3 | 3 46 |
| M11 | 2 47 | 14 55 | 0 47 | 6 57 | 1 46 | 15 14 | 0 49 | 21 20 | 0 43 | 21 43 | 0 56 | 7 3 | 2 32 | 3 15 | 0 37 | 2 32 | 1 42 | 26 20 | 10 35 | 11 17 | 11 43 | 23 23 | 0 0 | 3 46 |
| T 12 | 2 24 | 9 40 | 0n20 | 6 12 | 1 43 | 14 53 | 0 52 | 21 25 | 0 42 | 21 43 | 0 56 | 7 4 | 2 32 | 3 17 | 0 37 | 2 33 | 1 42 | 26 20 | 10 35 | 11 17 | 11 44 | 23 21 | 0s 3 | 3 46 |
| W13 | 2 0 | 3 59 | 1 26 | 5 26 | 1 39 | 14 31 | 0 54 | 21 30 | 0 40 | 21 43 | 0 56 | 7 6 | 2 32 | 3 18 | 0 37 | 2 34 | 1 42 | 26 20 | 10 35 | 11 17 | 11 45 | 23 19 | 0 6 | 3 45 |
| T 14 | 1 37 | 1n57 | 2 30 | 4 40 | 1 36 | 14 9 | 0 57 | 21 34 | 0 39 | 21 43 | 0 56 | 7 8 | 2 32 | 3 20 | 0 37 | 2 35 | 1 42 | 26 20 | 10 35 | 11 18 | 11 47 | 23 17 | 0 10 | 3 45 |
| F 15 | 1 13 | 7 54 | 3 27 | 3 54 | 1 31 | 13 46 | 0 59 | 21 39 | 0 37 | 21 43 | 0 56 | 7 10 | 2 32 | 3 21 | 0 37 | 2 36 | 1 42 | 26 19 | 10 36 | 11 19 | 11 48 | 23 15 | 0 13 | 3 45 |
| S 16 | 0 49 | 13 37 | 4 14 | 3 7 | 1 27 | 13 23 | 1 1 | 21 43 | 0 36 | 21 43 | 0 56 | 7 12 | 2 32 | 3 23 | 0 37 | 2 37 | 1 42 | 26 19 | 10 36 | 11 21 | 11 49 | 23 13 | 0 16 | 3 45 |
| S 17 | 0 26 | 18 50 | 4 49 | 2 21 | 1 22 | 13 0 | 1 4 | 21 47 | 0 34 | 21 43 | 0 56 | 7 13 | 2 32 | 3 24 | 0 37 | 2 38 | 1 42 | 26 19 | 10 36 | 11 22 | 11 50 | 23 11 | 0 19 | 3 45 |
| M18 | 0 2 | 23 12 | 5 9 | 1 34 | 1 17 | 12 36 | 1 6 | 21 52 | 0 33 | 21 43 | 0 56 | 7 15 | 2 32 | 3 26 | 0 37 | 2 39 | 1 42 | 26 19 | 10 36 | 11 24 | 11 51 | 23 8 | 0 23 | 3 45 |
| T 19 | 0s22 | 26 23 | 5 12 | 0 48 | 1 12 | 12 12 | 1 8 | 21 56 | 0 31 | 21 43 | 0 56 | 7 17 | 2 32 | 3 27 | 0 37 | 2 39 | 1 42 | 26 19 | 10 37 | 11 25 | 11 52 | 23 6 | 0 26 | 3 45 |
| W20 | 0 46 | 28 2 | 4 56 | 0 1 | 1 6 | 11 47 | 1 10 | 22 0 | 0 29 | 21 43 | 0 56 | 7 19 | 2 32 | 3 29 | 0 37 | 2 40 | 1 42 | 26 18 | 10 37 | 11 26 | 11 53 | 23 4 | 0 29 | 3 44 |
| T 21 | 1 9 | 27 56 | 4 24 | 0s45 | 1 0 | 11 22 | 1 12 | 22 4 | 0 28 | 21 43 | 0 56 | 7 20 | 2 32 | 3 30 | 0 37 | 2 41 | 1 42 | 26 18 | 10 37 | 11 26 | 11 54 | 23 2 | 0 32 | 3 44 |
| F 22 | 1 33 | 26 2 | 3 35 | 1 31 | 0 54 | 10 57 | 1 13 | 22 8 | 0 26 | 21 43 | 0 55 | 7 22 | 2 32 | 3 32 | 0 37 | 2 42 | 1 42 | 26 18 | 10 38 | 11 26 | 11 55 | 23 0 | 0 36 | 3 44 |
| S 23 | 1 57 | 22 27 | 2 32 | 2 17 | 0 48 | 10 31 | 1 15 | 22 11 | 0 24 | 21 43 | 0 55 | 7 24 | 2 32 | 3 33 | 0 37 | 2 43 | 1 42 | 26 18 | 10 38 | 11 25 | 11 57 | 22 58 | 0 39 | 3 44 |
| S 24 | 2 21 | 17 29 | 1 19 | 3 3 | 0 42 | 10 5 | 1 17 | 22 15 | 0 22 | 21 42 | 0 55 | 7 25 | 2 32 | 3 35 | 0 37 | 2 44 | 1 42 | 26 18 | 10 38 | 11 25 | 11 58 | 22 56 | 0 42 | 3 44 |
| M25 | 2 44 | 11 32 | 0 1 | 3 48 | 0 35 | 9 39 | 1 19 | 22 19 | 0 20 | 21 42 | 0 55 | 7 27 | 2 32 | 3 36 | 0 37 | 2 45 | 1 42 | 26 18 | 10 39 | 11 25 | 11 59 | 22 53 | 0 46 | 3 44 |
| T 26 | 3 8 | 4 59 | 1s16 | 4 33 | 0 29 | 9 13 | 1 20 | 22 22 | 0 19 | 21 42 | 0 55 | 7 29 | 2 32 | 3 38 | 0 37 | 2 46 | 1 42 | 26 18 | 10 39 | 11 25 | 12 0 | 22 51 | 0 49 | 3 44 |
| W27 | 3 32 | 1s46 | 2 28 | 5 18 | 0 22 | 8 46 | 1 22 | 22 26 | 0 17 | 21 41 | 0 55 | 7 30 | 2 32 | 3 39 | 0 37 | 2 46 | 1 42 | 26 17 | 10 39 | 11 26 | 12 1 | 22 49 | 0 52 | 3 44 |
| T 28 | 3 55 | 8 19 | 3 30 | 6 2 | 0 16 | 8 19 | 1 23 | 22 29 | 0 15 | 21 41 | 0 55 | 7 32 | 2 32 | 3 41 | 0 37 | 2 47 | 1 42 | 26 17 | 10 39 | 11 28 | 12 2 | 22 47 | 0 55 | 3 43 |
| F 29 | 4 19 | 14 21 | 4 18 | 6 45 | 0 9 | 7 52 | 1 24 | 22 33 | 0 13 | 21 40 | 0 55 | 7 33 | 2 32 | 3 42 | 0 37 | 2 48 | 1 42 | 26 17 | 10 40 | 11 30 | 12 3 | 22 45 | 0 59 | 3 43 |
| S 30 | 4s42 | 19s32 | 4s51 | 7s29 | 0n 2 | 7n24 | 1n26 | 22n36 | 0s11 | 21s40 | 0s55 | 7s35 | 2s31 | 3s44 | 0n37 | 2s49 | 1n42 | 26n17 | 10n40 | 11s32 | 12s 4 | 22s43 | 1s 2 | 3s43 |

Julian Day Number = 2073767.5, Delta T = 27m22s
Ecliptic obliquity = 23°34'32, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'30, Lahiri = 9°26'31 Julian Calendar 1 Sept. 965 == Greg. Calendar 6 Sept. 965


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## OCTOBER 965 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 58 45 | 12♎49'48 | 23♏18 | 20♎41 | 15♍52 | 15♊41 | 27♉36 | 16°R41 | 10♎51 | 11♎ 3 | 16♌ 0 | 29°R52 | 28♒25 | 29♉58 | 24♍11 | S 1 |
| M 2 | 1 2 42 | 13°49'37 | 6♐ 5 | 22°16 | 17° 6 | 15°52 | 27°38 | 16♓37 | 10°55 | 11° 6 | 16° 1 | 29♒46 | 28°22 | 0♒ 4 | 24°19 | M 2 |
| T 3 | 1 6 38 | 14°49'28 | 18°33 | 23°51 | 18°20 | 16° 2 | 27°41 | 16°34 | 10°59 | 11° 8 | 16° 2 | 29°41 | 28°19 | 0°11 | 24°27 | T 3 |
| W 4 | 1 10 35 | 15°49'20 | 0♉43 | 25°25 | 19°34 | 16°12 | 27°44 | 16°30 | 11° 3 | 11°10 | 16° 3 | 29°37 | 28°16 | 0°18 | 24°36 | W 4 |
| T 5 | 1 14 31 | 16°49'14 | 12°42 | 26°59 | 20°49 | 16°21 | 27°47 | 16°26 | 11° 6 | 11°12 | 16° 4 | 29°D36 | 28°12 | 0°24 | 24°44 | T 5 |
| F 6 | 1 18 28 | 17°49'10 | 24°33 | 28°32 | 22° 3 | 16°29 | 27°51 | 16°22 | 11°10 | 11°15 | 16° 5 | 29°36 | 28° 9 | 0°31 | 24°52 | F 6 |
| S 7 | 1 22 24 | 18°49'07 | 6♒22 | 0♏ 5 | 23°17 | 16°37 | 27°54 | 16°19 | 11°14 | 11°17 | 16° 7 | 29°37 | 28° 6 | 0°38 | 25° 1 | S 7 |
| S 8 | 1 26 21 | 19°49'06 | 18°14 | 1°37 | 24°32 | 16°44 | 27°58 | 16°15 | 11°18 | 11°19 | 16° 8 | 29°38 | 28° 3 | 0°44 | 25° 9 | S 8 |
| M 9 | 1 30 18 | 20°49'07 | 0♓14 | 3° 9 | 25°46 | 16°50 | 28° 2 | 16°12 | 11°21 | 11°21 | 16° 9 | 29°R39 | 28° 0 | 0°51 | 25°17 | M 9 |
| T 10 | 1 34 14 | 21°49'09 | 12°27 | 4°40 | 27° 1 | 16°55 | 28° 6 | 16° 8 | 11°25 | 11°23 | 16°10 | 29°38 | 27°56 | 0°58 | 25°25 | T 10 |
| W11 | 1 38 11 | 22°49'13 | 24°55 | 6°11 | 28°15 | 16°59 | 28°10 | 16° 5 | 11°29 | 11°26 | 16°11 | 29°35 | 27°53 | 1° 4 | 25°33 | W11 |
| T 12 | 1 42 7 | 23°49'19 | 7♈41 | 7°41 | 29°30 | 17° 3 | 28°15 | 16° 2 | 11°33 | 11°28 | 16°12 | 29°29 | 27°50 | 1°11 | 25°41 | T 12 |
| F 13 | 1 46 4 | 24°49'27 | 20°47 | 9°11 | 0♎44 | 17° 6 | 28°20 | 15°59 | 11°36 | 11°30 | 16°12 | 29°22 | 27°47 | 1°18 | 25°49 | F 13 |
| S 14 | 1 50 0 | 25°49'37 | 4♉10 | 10°40 | 1°59 | 17° 8 | 28°24 | 15°56 | 11°40 | 11°32 | 16°13 | 29°12 | 27°44 | 1°24 | 25°57 | S 14 |
| S 15 | 1 53 57 | 26°49'48 | 17°48 | 12° 9 | 3°13 | 17° 9 | 28°30 | 15°53 | 11°44 | 11°34 | 16°14 | 29° 2 | 27°41 | 1°31 | 26° 5 | S 15 |
| M16 | 1 57 53 | 27°50'02 | 1♊40 | 13°38 | 4°28 | 17°R10 | 28°35 | 15°50 | 11°47 | 11°37 | 16°15 | 28°53 | 27°37 | 1°38 | 26°13 | M16 |
| T 17 | 2 1 50 | 28°50'17 | 15°40 | 15° 5 | 5°43 | 17° 9 | 28°40 | 15°47 | 11°51 | 11°39 | 16°16 | 28°44 | 27°34 | 1°44 | 26°21 | T 17 |
| W18 | 2 5 47 | 29°50'35 | 29°45 | 16°33 | 6°58 | 17° 8 | 28°46 | 15°45 | 11°55 | 11°41 | 16°17 | 28°38 | 27°31 | 1°51 | 26°29 | W18 |
| T 19 | 2 9 43 | 0♏50'54 | 13♋52 | 17°59 | 8°13 | 17° 6 | 28°51 | 15°42 | 11°58 | 11°43 | 16°17 | 28°35 | 27°28 | 1°58 | 26°37 | T 19 |
| F 20 | 2 13 40 | 1°51'16 | 28° 0 | 19°25 | 9°27 | 17° 2 | 28°57 | 15°39 | 12° 2 | 11°45 | 16°18 | 28°D33 | 27°25 | 2° 4 | 26°45 | F 20 |
| S 21 | 2 17 36 | 2°51'40 | 12♌ 6 | 20°51 | 10°42 | 16°59 | 29° 3 | 15°37 | 12° 6 | 11°47 | 16°19 | 28°34 | 27°22 | 2°11 | 26°52 | S 21 |
| S 22 | 2 21 33 | 3°52'05 | 26° 9 | 22°16 | 11°57 | 16°54 | 29°10 | 15°35 | 12° 9 | 11°49 | 16°20 | 28°R34 | 27°18 | 2°18 | 27° 0 | S 22 |
| M23 | 2 25 29 | 4°52'33 | 10♍10 | 23°40 | 13°12 | 16°48 | 29°16 | 15°32 | 12°13 | 11°52 | 16°20 | 28°34 | 27°15 | 2°24 | 27° 8 | M23 |
| T 24 | 2 29 26 | 5°53'02 | 24° 6 | 25° 3 | 14°27 | 16°41 | 29°23 | 15°30 | 12°16 | 11°54 | 16°21 | 28°31 | 27°12 | 2°31 | 27°15 | T 24 |
| W25 | 2 33 22 | 6°53'34 | 7♎56 | 26°25 | 15°42 | 16°34 | 29°29 | 15°28 | 12°20 | 11°56 | 16°21 | 28°26 | 27° 9 | 2°38 | 27°23 | W25 |
| T 26 | 2 37 19 | 7°54'07 | 21°36 | 27°46 | 16°57 | 16°26 | 29°36 | 15°26 | 12°23 | 11°58 | 16°22 | 28°17 | 27° 6 | 2°44 | 27°30 | T 26 |
| F 27 | 2 41 16 | 8°54'41 | 5♏ 6 | 29° 7 | 18°12 | 16°16 | 29°43 | 15°24 | 12°27 | 12° 0 | 16°23 | 28° 7 | 27° 2 | 2°51 | 27°37 | F 27 |
| S 28 | 2 45 12 | 9°55'18 | 18°21 | 0♐25 | 19°27 | 16° 6 | 29°51 | 15°23 | 12°30 | 12° 2 | 16°23 | 27°54 | 26°59 | 2°58 | 27°45 | S 28 |
| S 29 | 2 49 9 | 10°55'56 | 1♐19 | 1°43 | 20°43 | 15°55 | 29°58 | 15°21 | 12°34 | 12° 4 | 16°23 | 27°41 | 26°56 | 3° 4 | 27°52 | S 29 |
| M30 | 2 53 5 | 11°56'35 | 14° 0 | 2°59 | 21°58 | 15°43 | 0♒ 5 | 15°19 | 12°37 | 12° 6 | 16°24 | 27°29 | 26°53 | 3°11 | 27°59 | M30 |
| T 31 | 2 57 2 | 12♏57'16 | 26♐24 | 4♐13 | 23♎13 | 15♊31 | 0♒13 | 15♓18 | 12♎40 | 12♎ 8 | 16♌24 | 27♒19 | 26♒50 | 3♒18 | 28♍ 6 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 6 | 23s39 | 5s 7 | 8s11 | 0s 4 | 6n56 | 1n27 | 22n39 | 0s 9 | 21s39 | 0s55 | 7s36 | 2s31 | 3s45 | 0n37 | 2s50 | 1n42 | 26n17 | 10n40 | 11s35 | 12s 5 | 22s40 | 1s 5 | 3s43 |
| M 2 | 5 29 | 26 29 | 5 7 | 8 53 | 0 11 | 6 28 | 1 28 | 22 43 | 0 7 | 21 39 | 0 55 | 7 38 | 2 31 | 3 47 | 0 37 | 2 51 | 1 42 | 26 17 | 10 41 | 11 37 | 12 7 | 22 38 | 1 9 | 3 43 |
| T 3 | 5 52 | 27 56 | 4 53 | 9 35 | 0 18 | 6 0 | 1 29 | 22 46 | 0 5 | 21 38 | 0 55 | 7 39 | 2 31 | 3 48 | 0 37 | 2 52 | 1 42 | 26 17 | 10 41 | 11 39 | 12 8 | 22 36 | 1 12 | 3 43 |
| W 4 | 6 16 | 27 59 | 4 25 | 10 16 | 0 25 | 5 32 | 1 30 | 22 49 | 0 3 | 21 37 | 0 55 | 7 41 | 2 31 | 3 50 | 0 37 | 2 53 | 1 42 | 26 17 | 10 41 | 11 40 | 12 9 | 22 34 | 1 15 | 3 43 |
| T 5 | 6 39 | 26 43 | 3 46 | 10 57 | 0 31 | 5 3 | 1 31 | 22 52 | 0 0 | 21 37 | 0 55 | 7 42 | 2 31 | 3 51 | 0 37 | 2 53 | 1 42 | 26 17 | 10 42 | 11 41 | 12 10 | 22 32 | 1 18 | 3 43 |
| F 6 | 7 2 | 24 15 | 2 58 | 11 37 | 0 38 | 4 35 | 1 32 | 22 55 | 0n 2 | 21 36 | 0 54 | 7 43 | 2 31 | 3 53 | 0 37 | 2 54 | 1 42 | 26 17 | 10 42 | 11 41 | 12 11 | 22 29 | 1 22 | 3 43 |
| S 7 | 7 25 | 20 46 | 2 2 | 12 16 | 0 45 | 4 6 | 1 33 | 22 58 | 0 4 | 21 35 | 0 54 | 7 45 | 2 31 | 3 54 | 0 37 | 2 55 | 1 42 | 26 17 | 10 42 | 11 40 | 12 12 | 22 27 | 1 25 | 3 43 |
| S 8 | 7 48 | 16 25 | 1 1 | 12 54 | 0 51 | 3 37 | 1 33 | 23 1 | 0 6 | 21 34 | 0 54 | 7 46 | 2 31 | 3 55 | 0 37 | 2 56 | 1 42 | 26 17 | 10 43 | 11 40 | 12 13 | 22 25 | 1 28 | 3 43 |
| M 9 | 8 10 | 11 24 | 0n 3 | 13 32 | 0 58 | 3 8 | 1 34 | 23 4 | 0 9 | 21 34 | 0 54 | 7 47 | 2 30 | 3 57 | 0 37 | 2 57 | 1 42 | 26 17 | 10 43 | 11 40 | 12 14 | 22 23 | 1 31 | 3 43 |
| T 10 | 8 33 | 5 53 | 1 8 | 14 10 | 1 4 | 2 38 | 1 34 | 23 6 | 0 11 | 21 33 | 0 54 | 7 48 | 2 30 | 3 58 | 0 37 | 2 58 | 1 42 | 26 17 | 10 44 | 11 40 | 12 15 | 22 20 | 1 34 | 3 43 |
| W11 | 8 55 | 0 1 | 2 12 | 14 46 | 1 11 | 2 9 | 1 35 | 23 9 | 0 13 | 21 32 | 0 54 | 7 49 | 2 30 | 4 0 | 0 37 | 2 59 | 1 42 | 26 17 | 10 44 | 11 41 | 12 17 | 22 18 | 1 38 | 3 43 |
| T 12 | 9 18 | 5n58 | 3 9 | 15 22 | 1 17 | 1 39 | 1 35 | 23 12 | 0 16 | 21 31 | 0 54 | 7 51 | 2 30 | 4 1 | 0 37 | 2 59 | 1 42 | 26 17 | 10 44 | 11 43 | 12 18 | 22 16 | 1 41 | 3 43 |
| F 13 | 9 40 | 11 50 | 3 59 | 15 57 | 1 23 | 1 10 | 1 36 | 23 15 | 0 18 | 21 30 | 0 54 | 7 52 | 2 30 | 4 3 | 0 37 | 3 0 | 1 42 | 26 17 | 10 45 | 11 46 | 12 19 | 22 14 | 1 44 | 3 43 |
| S 14 | 10 2 | 17 18 | 4 36 | 16 31 | 1 29 | 0 40 | 1 36 | 23 17 | 0 21 | 21 29 | 0 54 | 7 53 | 2 30 | 4 4 | 0 37 | 3 1 | 1 42 | 26 17 | 10 45 | 11 49 | 12 20 | 22 11 | 1 47 | 3 43 |
| S 15 | 10 24 | 22 0 | 4 59 | 17 4 | 1 35 | 0 11 | 1 36 | 23 20 | 0 23 | 21 27 | 0 54 | 7 54 | 2 30 | 4 6 | 0 37 | 3 2 | 1 42 | 26 17 | 10 45 | 11 52 | 12 21 | 22 9 | 1 50 | 3 43 |
| M16 | 10 46 | 25 34 | 5 4 | 17 37 | 1 40 | 0s19 | 1 36 | 23 22 | 0 26 | 21 26 | 0 54 | 7 55 | 2 30 | 4 7 | 0 37 | 3 3 | 1 42 | 26 17 | 10 46 | 11 56 | 12 22 | 22 7 | 1 54 | 3 43 |
| T 17 | 11 7 | 27 38 | 4 51 | 18 8 | 1 46 | 0 49 | 1 36 | 23 25 | 0 28 | 21 25 | 0 54 | 7 56 | 2 29 | 4 9 | 0 37 | 3 4 | 1 42 | 26 17 | 10 46 | 11 59 | 12 23 | 22 4 | 1 57 | 3 43 |
| W18 | 11 29 | 27 56 | 4 21 | 18 39 | 1 51 | 1 19 | 1 36 | 23 27 | 0 31 | 21 24 | 0 54 | 7 57 | 2 29 | 4 10 | 0 37 | 3 4 | 1 42 | 26 17 | 10 46 | 12 1 | 12 24 | 22 2 | 2 0 | 3 43 |
| T 19 | 11 50 | 26 24 | 3 35 | 19 9 | 1 56 | 1 48 | 1 36 | 23 30 | 0 33 | 21 23 | 0 54 | 7 57 | 2 29 | 4 11 | 0 37 | 3 5 | 1 42 | 26 17 | 10 47 | 12 2 | 12 25 | 22 0 | 2 3 | 3 43 |
| F 20 | 12 11 | 23 13 | 2 35 | 19 38 | 2 1 | 2 18 | 1 36 | 23 32 | 0 36 | 21 21 | 0 53 | 7 58 | 2 29 | 4 13 | 0 37 | 3 6 | 1 42 | 26 18 | 10 47 | 12 3 | 12 26 | 21 58 | 2 6 | 3 43 |
| S 21 | 12 32 | 18 39 | 1 27 | 20 5 | 2 6 | 2 48 | 1 35 | 23 34 | 0 39 | 21 20 | 0 53 | 7 59 | 2 29 | 4 14 | 0 37 | 3 7 | 1 42 | 26 18 | 10 48 | 12 2 | 12 27 | 21 55 | 2 9 | 3 43 |
| S 22 | 12 53 | 13 4 | 0 13 | 20 32 | 2 10 | 3 18 | 1 35 | 23 37 | 0 41 | 21 19 | 0 53 | 8 0 | 2 29 | 4 16 | 0 37 | 3 8 | 1 43 | 26 18 | 10 48 | 12 2 | 12 29 | 21 53 | 2 12 | 3 43 |
| M23 | 13 13 | 6 51 | 1s 1 | 20 58 | 2 14 | 3 47 | 1 35 | 23 39 | 0 44 | 21 17 | 0 53 | 8 1 | 2 28 | 4 17 | 0 37 | 3 9 | 1 43 | 26 18 | 10 48 | 12 2 | 12 30 | 21 51 | 2 15 | 3 43 |
| T 24 | 13 33 | 0 21 | 2 11 | 21 22 | 2 18 | 4 17 | 1 34 | 23 41 | 0 47 | 21 16 | 0 53 | 8 1 | 2 28 | 4 18 | 0 37 | 3 9 | 1 43 | 26 18 | 10 49 | 12 3 | 12 31 | 21 48 | 2 18 | 3 43 |
| W25 | 13 54 | 6s 7 | 3 13 | 21 45 | 2 21 | 4 47 | 1 33 | 23 43 | 0 50 | 21 14 | 0 53 | 8 2 | 2 28 | 4 20 | 0 37 | 3 10 | 1 43 | 26 18 | 10 49 | 12 5 | 12 32 | 21 46 | 2 21 | 3 43 |
| T 26 | 14 13 | 12 13 | 4 3 | 22 7 | 2 24 | 5 16 | 1 33 | 23 45 | 0 52 | 21 13 | 0 53 | 8 2 | 2 28 | 4 21 | 0 37 | 3 11 | 1 43 | 26 19 | 10 50 | 12 8 | 12 33 | 21 44 | 2 24 | 3 43 |
| F 27 | 14 33 | 17 39 | 4 38 | 22 28 | 2 27 | 5 46 | 1 32 | 23 47 | 0 55 | 21 11 | 0 53 | 8 3 | 2 28 | 4 22 | 0 37 | 3 12 | 1 43 | 26 19 | 10 50 | 12 12 | 12 34 | 21 41 | 2 27 | 3 43 |
| S 28 | 14 52 | 22 8 | 4 57 | 22 47 | 2 29 | 6 15 | 1 31 | 23 48 | 0 58 | 21 10 | 0 53 | 8 3 | 2 27 | 4 24 | 0 37 | 3 12 | 1 43 | 26 19 | 10 50 | 12 16 | 12 35 | 21 39 | 2 30 | 3 43 |
| S 29 | 15 11 | 25 26 | 5 1 | 23 5 | 2 31 | 6 44 | 1 31 | 23 50 | 1 1 | 21 8 | 0 53 | 8 4 | 2 27 | 4 25 | 0 37 | 3 13 | 1 43 | 26 19 | 10 51 | 12 21 | 12 36 | 21 37 | 2 33 | 3 43 |
| M30 | 15 30 | 27 24 | 4 49 | 23 22 | 2 33 | 7 13 | 1 30 | 23 52 | 1 4 | 21 6 | 0 53 | 8 4 | 2 27 | 4 26 | 0 37 | 3 14 | 1 43 | 26 19 | 10 51 | 12 25 | 12 37 | 21 34 | 2 36 | 3 43 |
| T 31 | 15s49 | 27s55 | 4s24 | 23s37 | 2s33 | 7s42 | 1n29 | 23n53 | 1n 7 | 21s 5 | 0s53 | 8s 5 | 2s27 | 4s28 | 0n37 | 3s15 | 1n43 | 26n20 | 10n52 | 12s28 | 12s38 | 21s32 | 2s39 | 3s43 |

Julian Day Number = 2073797.5, Delta T = 27m22s
Ecliptic obliquity = 23°34'32, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'34, Lahiri = 9°26'35 Julian Calendar 1 Oct. 965 == Greg. Calendar 6 Oct. 965


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## NOVEMBER 965 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 0 58 | 13♏57'58 | 8♑33 | 5♐25 | 24♎28 | 15°R17 | 0♒21 | 15°R17 | 12♎44 | 12♎10 | 16♌25 | 27°R11 | 26♒47 | 3♒24 | 28♍13 | W 1 |
| T 2 | 3 4 55 | 14°58'41 | 20°31 | 6°34 | 25°43 | 15♊ 3 | 0°29 | 15♓15 | 12°47 | 12°12 | 16°25 | 27♒ 6 | 26°43 | 3°31 | 28°21 | T 2 |
| F 3 | 3 8 51 | 15°59'26 | 2♒21 | 7°41 | 26°58 | 14°48 | 0°37 | 15°14 | 12°51 | 12°14 | 16°25 | 27° 3 | 26°40 | 3°38 | 28°27 | F 3 |
| S 4 | 3 12 48 | 17° 0'11 | 14° 8 | 8°45 | 28°14 | 14°32 | 0°45 | 15°13 | 12°54 | 12°16 | 16°26 | 27°D 3 | 26°37 | 3°44 | 28°34 | S 4 |
| S 5 | 3 16 45 | 18° 0'58 | 25°59 | 9°45 | 29°29 | 14°16 | 0°54 | 15°12 | 12°57 | 12°18 | 16°26 | 27°R 3 | 26°34 | 3°51 | 28°41 | S 5 |
| M 6 | 3 20 41 | 19° 1'45 | 7♓59 | 10°41 | 0♏44 | 13°58 | 1° 2 | 15°12 | 13° 0 | 12°20 | 16°26 | 27° 2 | 26°31 | 3°58 | 28°48 | M 6 |
| T 7 | 3 24 38 | 20° 2'34 | 20°12 | 11°33 | 1°59 | 13°40 | 1°11 | 15°11 | 13° 4 | 12°21 | 16°26 | 27° 1 | 26°28 | 4° 4 | 28°55 | T 7 |
| W 8 | 3 28 34 | 21° 3'23 | 2♈45 | 12°20 | 3°15 | 13°22 | 1°20 | 15°10 | 13° 7 | 12°23 | 16°27 | 26°56 | 26°24 | 4°11 | 29° 1 | W 8 |
| T 9 | 3 32 31 | 22° 4'14 | 15°40 | 13° 0 | 4°30 | 13° 3 | 1°29 | 15°10 | 13°10 | 12°25 | 16°27 | 26°49 | 26°21 | 4°18 | 29° 8 | T 9 |
| F 10 | 3 36 27 | 23° 5'05 | 28°58 | 13°34 | 5°45 | 12°43 | 1°38 | 15° 9 | 13°13 | 12°27 | 16°27 | 26°40 | 26°18 | 4°24 | 29°14 | F 10 |
| S 11 | 3 40 24 | 24° 5'58 | 12♉41 | 14° 1 | 7° 1 | 12°22 | 1°47 | 15° 9 | 13°16 | 12°29 | 16°27 | 26°28 | 26°15 | 4°31 | 29°21 | S 11 |
| S 12 | 3 44 20 | 25° 6'52 | 26°44 | 14°20 | 8°16 | 12° 2 | 1°57 | 15° 9 | 13°19 | 12°31 | 16°27 | 26°15 | 26°12 | 4°38 | 29°27 | S 12 |
| M13 | 3 48 17 | 26° 7'47 | 11♊ 3 | 14°R29 | 9°31 | 11°40 | 2° 6 | 15°D 9 | 13°22 | 12°32 | 16°R27 | 26° 3 | 26° 8 | 4°44 | 29°33 | M13 |
| T 14 | 3 52 14 | 27° 8'43 | 25°32 | 14°29 | 10°47 | 11°19 | 2°16 | 15° 9 | 13°25 | 12°34 | 16°27 | 25°52 | 26° 5 | 4°51 | 29°40 | T 14 |
| W15 | 3 56 10 | 28° 9'40 | 10♋ 3 | 14°19 | 12° 2 | 10°56 | 2°25 | 15° 9 | 13°28 | 12°36 | 16°27 | 25°44 | 26° 2 | 4°57 | 29°46 | W15 |
| T 16 | 4 0 7 | 29°10'39 | 24°31 | 13°57 | 13°17 | 10°34 | 2°35 | 15° 9 | 13°31 | 12°37 | 16°27 | 25°39 | 25°59 | 5° 4 | 29°52 | T 16 |
| F 17 | 4 4 3 | 0♐11'39 | 8♌52 | 13°24 | 14°33 | 10°11 | 2°45 | 15°10 | 13°34 | 12°39 | 16°27 | 25°36 | 25°56 | 5°11 | 29°58 | F 17 |
| S 18 | 4 8 0 | 1°12'39 | 23° 2 | 12°39 | 15°48 | 9°48 | 2°55 | 15°10 | 13°37 | 12°41 | 16°26 | 25°36 | 25°53 | 5°17 | 0♎ 3 | S 18 |
| S 19 | 4 11 56 | 2°13'42 | 7♍ 1 | 11°44 | 17° 4 | 9°25 | 3° 6 | 15°11 | 13°40 | 12°42 | 16°26 | 25°36 | 25°49 | 5°24 | 0° 9 | S 19 |
| M20 | 4 15 53 | 3°14'45 | 20°49 | 10°39 | 18°19 | 9° 1 | 3°16 | 15°12 | 13°42 | 12°44 | 16°26 | 25°35 | 25°46 | 5°31 | 0°15 | M20 |
| T 21 | 4 19 49 | 4°15'49 | 4♎26 | 9°26 | 19°35 | 8°38 | 3°26 | 15°12 | 13°45 | 12°46 | 16°26 | 25°32 | 25°43 | 5°37 | 0°21 | T 21 |
| W22 | 4 23 46 | 5°16'54 | 17°52 | 8° 7 | 20°50 | 8°14 | 3°37 | 15°13 | 13°48 | 12°47 | 16°26 | 25°26 | 25°40 | 5°44 | 0°26 | W22 |
| T 23 | 4 27 43 | 6°18'01 | 1♏ 8 | 6°45 | 22° 5 | 7°50 | 3°48 | 15°14 | 13°51 | 12°49 | 16°25 | 25°17 | 25°37 | 5°51 | 0°31 | T 23 |
| F 24 | 4 31 39 | 7°19'08 | 14°14 | 5°22 | 23°21 | 7°27 | 3°58 | 15°16 | 13°53 | 12°50 | 16°25 | 25° 6 | 25°34 | 5°57 | 0°37 | F 24 |
| S 25 | 4 35 36 | 8°20'16 | 27° 7 | 4° 2 | 24°36 | 7° 3 | 4° 9 | 15°17 | 13°56 | 12°52 | 16°25 | 24°53 | 25°30 | 6° 4 | 0°42 | S 25 |
| S 26 | 4 39 32 | 9°21'25 | 9♐48 | 2°46 | 25°52 | 6°40 | 4°20 | 15°18 | 13°58 | 12°53 | 16°24 | 24°39 | 25°27 | 6°11 | 0°47 | S 26 |
| M27 | 4 43 29 | 10°22'34 | 22°16 | 1°37 | 27° 7 | 6°17 | 4°31 | 15°20 | 14° 1 | 12°54 | 16°24 | 24°26 | 25°24 | 6°17 | 0°52 | M27 |
| T 28 | 4 47 25 | 11°23'44 | 4♑32 | 0°37 | 28°23 | 5°54 | 4°43 | 15°21 | 14° 3 | 12°56 | 16°23 | 24°14 | 25°21 | 6°24 | 0°57 | T 28 |
| W29 | 4 51 22 | 12°24'55 | 16°35 | 29♏47 | 29°38 | 5°31 | 4°54 | 15°23 | 14° 6 | 12°57 | 16°23 | 24° 5 | 25°18 | 6°31 | 1° 2 | W29 |
| T 30 | 4 55 18 | 13♐26'06 | 28♑30 | 29♏ 7 | 0♐54 | 5♊ 9 | 5♒ 5 | 15♓25 | 14♎ 8 | 12♎58 | 16♌22 | 23♒59 | 25♒14 | 6♒37 | 1♎ 7 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s 7 | 27s 4 | 3s47 | 23s51 | 2s34 | 8s11 | 1n28 | 23n55 | 1n10 | 21s 3 | 0s53 | 8s 5 | 2s27 | 4s29 | 0n37 | 3s16 | 1n43 | 26n20 | 10n52 | 12s31 | 12s40 | 21s30 | 2s42 | 3s43 |
| T 2 | 16 25 | 24 59 | 3 1 | 24 3 | 2 33 | 8 39 | 1 27 | 23 56 | 1 12 | 21 1 | 0 53 | 8 5 | 2 26 | 4 30 | 0 37 | 3 16 | 1 43 | 26 20 | 10 52 | 12 33 | 12 41 | 21 27 | 2 45 | 3 43 |
| F 3 | 16 43 | 21 49 | 2 7 | 24 13 | 2 32 | 9 8 | 1 25 | 23 57 | 1 15 | 20 59 | 0 52 | 8 6 | 2 26 | 4 32 | 0 37 | 3 17 | 1 43 | 26 20 | 10 53 | 12 34 | 12 42 | 21 25 | 2 48 | 3 43 |
| S 4 | 17 1 | 17 46 | 1 8 | 24 21 | 2 30 | 9 36 | 1 24 | 23 58 | 1 18 | 20 57 | 0 52 | 8 6 | 2 26 | 4 33 | 0 37 | 3 18 | 1 43 | 26 21 | 10 53 | 12 34 | 12 43 | 21 22 | 2 51 | 3 44 |
| S 5 | 17 18 | 13 1 | 0 6 | 24 28 | 2 27 | 10 4 | 1 23 | 23 59 | 1 21 | 20 55 | 0 52 | 8 6 | 2 26 | 4 34 | 0 37 | 3 18 | 1 43 | 26 21 | 10 53 | 12 34 | 12 44 | 21 20 | 2 53 | 3 44 |
| M 6 | 17 35 | 7 44 | 0n58 | 24 33 | 2 24 | 10 31 | 1 22 | 24 0 | 1 24 | 20 53 | 0 52 | 8 6 | 2 26 | 4 35 | 0 37 | 3 19 | 1 43 | 26 21 | 10 54 | 12 34 | 12 45 | 21 18 | 2 56 | 3 44 |
| T 7 | 17 51 | 2 4 | 1 59 | 24 36 | 2 19 | 10 59 | 1 20 | 24 1 | 1 27 | 20 51 | 0 52 | 8 6 | 2 25 | 4 37 | 0 37 | 3 20 | 1 43 | 26 22 | 10 54 | 12 35 | 12 46 | 21 15 | 2 59 | 3 44 |
| W 8 | 18 7 | 3n48 | 2 57 | 24 37 | 2 14 | 11 26 | 1 19 | 24 1 | 1 30 | 20 49 | 0 52 | 8 6 | 2 25 | 4 38 | 0 37 | 3 20 | 1 43 | 26 22 | 10 55 | 12 36 | 12 47 | 21 13 | 3 2 | 3 44 |
| T 9 | 18 23 | 9 41 | 3 47 | 24 35 | 2 7 | 11 53 | 1 17 | 24 1 | 1 33 | 20 47 | 0 52 | 8 6 | 2 25 | 4 39 | 0 37 | 3 21 | 1 43 | 26 22 | 10 55 | 12 39 | 12 48 | 21 11 | 3 4 | 3 44 |
| F 10 | 18 39 | 15 19 | 4 26 | 24 32 | 1 59 | 12 20 | 1 16 | 24 2 | 1 35 | 20 45 | 0 52 | 8 6 | 2 25 | 4 40 | 0 37 | 3 22 | 1 43 | 26 23 | 10 55 | 12 42 | 12 49 | 21 8 | 3 7 | 3 44 |
| S 11 | 18 54 | 20 21 | 4 52 | 24 26 | 1 50 | 12 46 | 1 14 | 24 2 | 1 38 | 20 43 | 0 52 | 8 6 | 2 25 | 4 42 | 0 37 | 3 23 | 1 43 | 26 23 | 10 56 | 12 46 | 12 50 | 21 6 | 3 10 | 3 44 |
| S 12 | 19 9 | 24 24 | 5 0 | 24 18 | 1 39 | 13 12 | 1 12 | 24 2 | 1 41 | 20 41 | 0 52 | 8 6 | 2 24 | 4 43 | 0 37 | 3 23 | 1 43 | 26 23 | 10 56 | 12 50 | 12 51 | 21 3 | 3 12 | 3 44 |
| M13 | 19 24 | 27 1 | 4 50 | 24 7 | 1 27 | 13 38 | 1 11 | 24 2 | 1 44 | 20 39 | 0 52 | 8 6 | 2 24 | 4 44 | 0 37 | 3 24 | 1 43 | 26 24 | 10 57 | 12 54 | 12 53 | 21 1 | 3 15 | 3 44 |
| T 14 | 19 38 | 27 51 | 4 21 | 23 54 | 1 14 | 14 3 | 1 9 | 24 1 | 1 47 | 20 37 | 0 52 | 8 6 | 2 24 | 4 45 | 0 37 | 3 24 | 1 43 | 26 24 | 10 57 | 12 58 | 12 54 | 20 58 | 3 18 | 3 45 |
| W15 | 19 52 | 26 47 | 3 36 | 23 37 | 0 59 | 14 28 | 1 7 | 24 1 | 1 49 | 20 34 | 0 52 | 8 5 | 2 24 | 4 46 | 0 37 | 3 25 | 1 43 | 26 24 | 10 57 | 13 1 | 12 55 | 20 56 | 3 20 | 3 45 |
| T 16 | 20 5 | 23 54 | 2 36 | 23 19 | 0 43 | 14 53 | 1 5 | 24 0 | 1 52 | 20 32 | 0 52 | 8 5 | 2 23 | 4 47 | 0 37 | 3 26 | 1 43 | 26 25 | 10 58 | 13 3 | 12 56 | 20 54 | 3 23 | 3 45 |
| F 17 | 20 18 | 19 33 | 1 27 | 22 57 | 0 25 | 15 17 | 1 3 | 23 59 | 1 54 | 20 30 | 0 52 | 8 5 | 2 23 | 4 48 | 0 38 | 3 26 | 1 43 | 26 25 | 10 58 | 13 3 | 12 57 | 20 51 | 3 25 | 3 45 |
| S 18 | 20 31 | 14 8 | 0 14 | 22 33 | 0 6 | 15 41 | 1 2 | 23 58 | 1 57 | 20 27 | 0 52 | 8 4 | 2 23 | 4 50 | 0 38 | 3 27 | 1 44 | 26 26 | 10 59 | 13 4 | 12 58 | 20 49 | 3 28 | 3 45 |
| S 19 | 20 43 | 8 3 | 1s 0 | 22 6 | 0n13 | 16 4 | 1 0 | 23 57 | 2 0 | 20 25 | 0 52 | 8 4 | 2 23 | 4 51 | 0 38 | 3 27 | 1 44 | 26 26 | 10 59 | 13 4 | 12 59 | 20 46 | 3 30 | 3 45 |
| M20 | 20 55 | 1 41 | 2 9 | 21 37 | 0 34 | 16 28 | 0 58 | 23 56 | 2 2 | 20 22 | 0 52 | 8 3 | 2 23 | 4 52 | 0 38 | 3 28 | 1 44 | 26 27 | 10 59 | 13 4 | 13 0 | 20 44 | 3 33 | 3 45 |
| T 21 | 21 7 | 4s40 | 3 10 | 21 6 | 0 54 | 16 50 | 0 56 | 23 55 | 2 4 | 20 20 | 0 52 | 8 3 | 2 22 | 4 53 | 0 38 | 3 29 | 1 44 | 26 27 | 11 0 | 13 5 | 13 1 | 20 41 | 3 35 | 3 46 |
| W22 | 21 18 | 10 44 | 3 59 | 20 34 | 1 14 | 17 12 | 0 53 | 23 53 | 2 7 | 20 17 | 0 51 | 8 2 | 2 22 | 4 54 | 0 38 | 3 29 | 1 44 | 26 27 | 11 0 | 13 7 | 13 2 | 20 39 | 3 37 | 3 46 |
| T 23 | 21 29 | 16 13 | 4 35 | 20 2 | 1 33 | 17 34 | 0 51 | 23 52 | 2 9 | 20 15 | 0 51 | 8 2 | 2 22 | 4 55 | 0 38 | 3 30 | 1 44 | 26 28 | 11 1 | 13 10 | 13 3 | 20 36 | 3 40 | 3 46 |
| F 24 | 21 39 | 20 53 | 4 55 | 19 30 | 1 51 | 17 55 | 0 49 | 23 50 | 2 11 | 20 12 | 0 51 | 8 1 | 2 22 | 4 56 | 0 38 | 3 30 | 1 44 | 26 28 | 11 1 | 13 14 | 13 4 | 20 34 | 3 42 | 3 46 |
| S 25 | 21 49 | 24 29 | 5 0 | 18 59 | 2 7 | 18 16 | 0 47 | 23 48 | 2 13 | 20 10 | 0 51 | 8 0 | 2 22 | 4 57 | 0 38 | 3 31 | 1 44 | 26 29 | 11 1 | 13 18 | 13 5 | 20 31 | 3 44 | 3 46 |
| S 26 | 21 59 | 26 50 | 4 50 | 18 31 | 2 21 | 18 36 | 0 45 | 23 46 | 2 15 | 20 7 | 0 51 | 8 0 | 2 21 | 4 58 | 0 38 | 3 31 | 1 44 | 26 29 | 11 2 | 13 23 | 13 7 | 20 29 | 3 46 | 3 46 |
| M27 | 22 8 | 27 47 | 4 26 | 18 6 | 2 33 | 18 56 | 0 43 | 23 44 | 2 17 | 20 4 | 0 51 | 7 59 | 2 21 | 4 59 | 0 38 | 3 32 | 1 44 | 26 30 | 11 2 | 13 27 | 13 8 | 20 26 | 3 49 | 3 47 |
| T 28 | 22 17 | 27 20 | 3 50 | 17 45 | 2 42 | 19 15 | 0 40 | 23 42 | 2 19 | 20 1 | 0 51 | 7 58 | 2 21 | 5 0 | 0 38 | 3 32 | 1 44 | 26 30 | 11 2 | 13 31 | 13 9 | 20 24 | 3 51 | 3 47 |
| W29 | 22 25 | 25 35 | 3 5 | 17 27 | 2 49 | 19 34 | 0 38 | 23 40 | 2 21 | 19 59 | 0 51 | 7 57 | 2 21 | 5 1 | 0 38 | 3 33 | 1 44 | 26 31 | 11 3 | 13 34 | 13 10 | 20 21 | 3 53 | 3 47 |
| T 30 | 22s32 | 22s43 | 2s11 | 17s14 | 2n54 | 19s52 | 0n36 | 23n37 | 2n23 | 19s56 | 0s51 | 7s56 | 2s20 | 5s 2 | 0n38 | 3s33 | 1n44 | 26n31 | 11n 3 | 13s36 | 13s11 | 20s19 | 3s55 | 3s47 |

Julian Day Number = 2073828.5, Delta T = 27m21s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'39, Lahiri = 9°26'39 Julian Calendar 1 Nov. 965 == Greg. Calendar 6 Nov. 965


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# ASTRODIENST EPHEMERIS for the year 965
# geocentric

## DECEMBER 965 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 59 15 | 14♐27'16 | 10♒18 | 28°R39 | 2♐ 9 | 4°R47 | 5♒17 | 15♓27 | 14♎10 | 13♎ 0 | 16°R22 | 23°R56 | 25♒11 | 6♒44 | 1♎12 | F 1 |
| S 2 | 5 3 12 | 15°28'28 | 22° 4 | 28♏21 | 3°25 | 4♊26 | 5°28 | 15°29 | 14°13 | 13° 1 | 16♌21 | 23°D55 | 25° 8 | 6°51 | 1°16 | S 2 |
| S 3 | 5 7 8 | 16°29'39 | 3♓53 | 28°D14 | 4°40 | 4° 5 | 5°40 | 15°31 | 14°15 | 13° 2 | 16°21 | 23♒56 | 25° 5 | 6°57 | 1°21 | S 3 |
| M 4 | 5 11 5 | 17°30'50 | 15°50 | 28°16 | 5°56 | 3°44 | 5°52 | 15°33 | 14°17 | 13° 3 | 16°20 | 23°R56 | 25° 2 | 7° 4 | 1°25 | M 4 |
| T 5 | 5 15 1 | 18°32'01 | 28° 1 | 28°28 | 7°11 | 3°25 | 6° 4 | 15°35 | 14°19 | 13° 5 | 16°20 | 23°56 | 24°59 | 7°11 | 1°29 | T 5 |
| W 6 | 5 18 58 | 19°33'12 | 10♈31 | 28°48 | 8°27 | 3° 5 | 6°16 | 15°38 | 14°21 | 13° 6 | 16°19 | 23°53 | 24°55 | 7°17 | 1°34 | W 6 |
| T 7 | 5 22 54 | 20°34'24 | 23°25 | 29°15 | 9°42 | 2°47 | 6°28 | 15°40 | 14°24 | 13° 7 | 16°18 | 23°49 | 24°52 | 7°24 | 1°38 | T 7 |
| F 8 | 5 26 51 | 21°35'35 | 6♉46 | 29°49 | 10°58 | 2°29 | 6°40 | 15°43 | 14°26 | 13° 8 | 16°17 | 23°42 | 24°49 | 7°31 | 1°42 | F 8 |
| S 9 | 5 30 47 | 22°36'46 | 20°34 | 0♐29 | 12°13 | 2°11 | 6°52 | 15°46 | 14°27 | 13° 9 | 16°17 | 23°33 | 24°46 | 7°37 | 1°46 | S 9 |
| S 10 | 5 34 44 | 23°37'57 | 4♊50 | 1°14 | 13°28 | 1°54 | 7° 4 | 15°48 | 14°29 | 13°10 | 16°16 | 23°23 | 24°43 | 7°44 | 1°49 | S 10 |
| M11 | 5 38 41 | 24°39'08 | 19°27 | 2° 5 | 14°44 | 1°39 | 7°17 | 15°51 | 14°31 | 13°11 | 16°15 | 23°13 | 24°40 | 7°50 | 1°53 | M11 |
| T 12 | 5 42 37 | 25°40'19 | 4♋18 | 2°59 | 15°59 | 1°23 | 7°29 | 15°54 | 14°33 | 13°12 | 16°14 | 23° 4 | 24°36 | 7°57 | 1°57 | T 12 |
| W13 | 5 46 34 | 26°41'31 | 19°16 | 3°58 | 17°15 | 1° 9 | 7°42 | 15°57 | 14°35 | 13°13 | 16°14 | 22°58 | 24°33 | 8° 4 | 2° 0 | W13 |
| T 14 | 5 50 30 | 27°42'42 | 4♌10 | 4°59 | 18°30 | 0°55 | 7°54 | 16° 1 | 14°37 | 13°14 | 16°13 | 22°54 | 24°30 | 8°10 | 2° 3 | T 14 |
| F 15 | 5 54 27 | 28°43'53 | 18°54 | 6° 4 | 19°46 | 0°42 | 8° 7 | 16° 4 | 14°38 | 13°15 | 16°12 | 22°D52 | 24°27 | 8°17 | 2° 7 | F 15 |
| S 16 | 5 58 23 | 29°45'04 | 3♍22 | 7°11 | 21° 1 | 0°30 | 8°20 | 16° 7 | 14°40 | 13°16 | 16°11 | 22°53 | 24°24 | 8°24 | 2°10 | S 16 |
| S 17 | 6 2 20 | 0♎46'16 | 17°31 | 8°21 | 22°17 | 0°18 | 8°33 | 16°11 | 14°41 | 13°16 | 16°10 | 22°54 | 24°20 | 8°30 | 2°13 | S 17 |
| M18 | 6 6 17 | 1°47'27 | 1♎21 | 9°33 | 23°32 | 0° 8 | 8°46 | 16°14 | 14°43 | 13°17 | 16° 9 | 22°R54 | 24°17 | 8°37 | 2°16 | M18 |
| T 19 | 6 10 13 | 2°48'39 | 14°52 | 10°47 | 24°48 | 29♉58 | 8°59 | 16°18 | 14°44 | 13°18 | 16° 8 | 22°53 | 24°14 | 8°44 | 2°18 | T 19 |
| W20 | 6 14 10 | 3°49'50 | 28° 7 | 12° 2 | 26° 3 | 29°49 | 9°12 | 16°22 | 14°46 | 13°19 | 16° 7 | 22°51 | 24°11 | 8°50 | 2°21 | W20 |
| T 21 | 6 18 6 | 4°51'02 | 11♏ 6 | 13°20 | 27°19 | 29°41 | 9°25 | 16°26 | 14°47 | 13°19 | 16° 6 | 22°45 | 24° 8 | 8°57 | 2°24 | T 21 |
| F 22 | 6 22 3 | 5°52'13 | 23°52 | 14°38 | 28°34 | 29°33 | 9°38 | 16°30 | 14°48 | 13°20 | 16° 5 | 22°38 | 24° 5 | 9° 4 | 2°26 | F 22 |
| S 23 | 6 25 59 | 6°53'25 | 6♐26 | 15°58 | 29°49 | 29°27 | 9°51 | 16°34 | 14°50 | 13°21 | 16° 4 | 22°30 | 24° 1 | 9°10 | 2°28 | S 23 |
| S 24 | 6 29 56 | 7°54'36 | 18°49 | 17°19 | 1♑ 5 | 29°21 | 10° 4 | 16°38 | 14°51 | 13°21 | 16° 3 | 22°21 | 23°58 | 9°17 | 2°31 | S 24 |
| M25 | 6 33 52 | 8°55'46 | 1♑ 2 | 18°41 | 2°20 | 29°16 | 10°18 | 16°42 | 14°52 | 13°22 | 16° 2 | 22°12 | 23°55 | 9°24 | 2°33 | M25 |
| T 26 | 6 37 49 | 9°56'57 | 13° 6 | 20° 4 | 3°36 | 29°12 | 10°31 | 16°47 | 14°53 | 13°22 | 16° 0 | 22° 5 | 23°52 | 9°30 | 2°35 | T 26 |
| W27 | 6 41 46 | 10°58'06 | 25° 2 | 21°28 | 4°51 | 29° 9 | 10°44 | 16°51 | 14°54 | 13°23 | 15°59 | 22° 0 | 23°49 | 9°37 | 2°37 | W27 |
| T 28 | 6 45 42 | 11°59'15 | 6♒52 | 22°52 | 6° 7 | 29° 6 | 10°58 | 16°55 | 14°55 | 13°23 | 15°58 | 21°56 | 23°46 | 9°44 | 2°38 | T 28 |
| F 29 | 6 49 39 | 13° 0'23 | 18°39 | 24°18 | 7°22 | 29° 5 | 11°12 | 17° 0 | 14°56 | 13°24 | 15°57 | 21°D55 | 23°42 | 9°50 | 2°40 | F 29 |
| S 30 | 6 53 35 | 14° 1'30 | 0♓25 | 25°45 | 8°37 | 29° 4 | 11°25 | 17° 5 | 14°57 | 13°24 | 15°56 | 21°55 | 23°39 | 9°57 | 2°41 | S 30 |
| S 31 | 6 57 32 | 15♑ 2'36 | 12♓14 | 27♐12 | 9♑53 | 29°D 4 | 11♒39 | 17♓ 9 | 14♎58 | 13♎24 | 15♌54 | 21♒57 | 23♒36 | 10♒ 4 | 2♎43 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s40 | 18s55 | 1s12 | 17s 5 | 2n57 | 20s10 | 0n33 | 23n35 | 2n25 | 19s53 | 0s51 | 7s55 | 2s20 | 5s 2 | 0n38 | 3s34 | 1n44 | 26n32 | 11n 4 | 13s37 | 13s12 | 20s16 | 3s57 | 3s47 |
| S 2 | 22 47 | 14 23 | 0 10 | 17 1 | 2 58 | 20 27 | 0 31 | 23 32 | 2 26 | 19 50 | 0 51 | 7 54 | 2 20 | 5 3 | 0 38 | 3 34 | 1 44 | 26 32 | 11 4 | 13 37 | 13 13 | 20 14 | 3 59 | 3 47 |
| S 3 | 22 53 | 9 19 | 0n53 | 17 0 | 2 58 | 20 43 | 0 29 | 23 30 | 2 28 | 19 47 | 0 51 | 7 53 | 2 20 | 5 4 | 0 38 | 3 35 | 1 44 | 26 33 | 11 4 | 13 37 | 13 14 | 20 11 | 4 1 | 3 48 |
| M 4 | 22 59 | 3 52 | 1 54 | 17 2 | 2 55 | 20 59 | 0 26 | 23 28 | 2 29 | 19 44 | 0 51 | 7 52 | 2 20 | 5 5 | 0 38 | 3 35 | 1 44 | 26 33 | 11 5 | 13 37 | 13 15 | 20 9 | 4 3 | 3 48 |
| T 5 | 23 5 | 1n50 | 2 51 | 17 8 | 2 52 | 21 14 | 0 24 | 23 25 | 2 31 | 19 41 | 0 51 | 7 51 | 2 19 | 5 6 | 0 38 | 3 35 | 1 44 | 26 34 | 11 5 | 13 37 | 13 16 | 20 6 | 4 5 | 3 48 |
| W 6 | 23 10 | 7 35 | 3 42 | 17 17 | 2 48 | 21 29 | 0 22 | 23 23 | 2 32 | 19 38 | 0 51 | 7 50 | 2 19 | 5 7 | 0 38 | 3 36 | 1 44 | 26 35 | 11 5 | 13 38 | 13 17 | 20 4 | 4 7 | 3 48 |
| T 7 | 23 14 | 13 13 | 4 23 | 17 28 | 2 42 | 21 43 | 0 19 | 23 20 | 2 33 | 19 35 | 0 51 | 7 49 | 2 19 | 5 7 | 0 38 | 3 36 | 1 45 | 26 35 | 11 6 | 13 40 | 13 18 | 20 1 | 4 8 | 3 48 |
| F 8 | 23 18 | 18 26 | 4 51 | 17 41 | 2 36 | 21 56 | 0 17 | 23 18 | 2 34 | 19 32 | 0 51 | 7 48 | 2 19 | 5 8 | 0 38 | 3 37 | 1 45 | 26 36 | 11 6 | 13 42 | 13 19 | 19 59 | 4 10 | 3 49 |
| S 9 | 23 22 | 22 52 | 5 4 | 17 56 | 2 30 | 22 9 | 0 14 | 23 15 | 2 35 | 19 29 | 0 51 | 7 46 | 2 18 | 5 9 | 0 38 | 3 37 | 1 45 | 26 36 | 11 6 | 13 45 | 13 20 | 19 56 | 4 12 | 3 49 |
| S 10 | 23 25 | 26 6 | 4 58 | 18 12 | 2 23 | 22 21 | 0 12 | 23 13 | 2 36 | 19 26 | 0 51 | 7 45 | 2 18 | 5 10 | 0 38 | 3 37 | 1 45 | 26 37 | 11 7 | 13 48 | 13 22 | 19 54 | 4 14 | 3 49 |
| M11 | 23 28 | 27 42 | 4 33 | 18 29 | 2 15 | 22 32 | 0 9 | 23 10 | 2 37 | 19 23 | 0 51 | 7 44 | 2 18 | 5 10 | 0 38 | 3 38 | 1 45 | 26 37 | 11 7 | 13 51 | 13 23 | 19 51 | 4 15 | 3 49 |
| T 12 | 23 30 | 27 20 | 3 50 | 18 48 | 2 7 | 22 43 | 0 7 | 23 8 | 2 38 | 19 19 | 0 51 | 7 42 | 2 18 | 5 11 | 0 38 | 3 38 | 1 45 | 26 38 | 11 7 | 13 54 | 13 24 | 19 49 | 4 17 | 3 49 |
| W13 | 23 32 | 24 59 | 2 50 | 19 7 | 1 59 | 22 53 | 0 5 | 23 6 | 2 39 | 19 16 | 0 51 | 7 41 | 2 18 | 5 12 | 0 38 | 3 38 | 1 45 | 26 38 | 11 8 | 13 56 | 13 25 | 19 46 | 4 18 | 3 50 |
| T 14 | 23 33 | 20 55 | 1 39 | 19 26 | 1 51 | 23 2 | 0 2 | 23 4 | 2 40 | 19 13 | 0 51 | 7 39 | 2 17 | 5 12 | 0 38 | 3 39 | 1 45 | 26 39 | 11 8 | 13 58 | 13 26 | 19 44 | 4 20 | 3 50 |
| F 15 | 23 34 | 15 35 | 0 21 | 19 46 | 1 43 | 23 11 | 0s 0 | 23 1 | 2 40 | 19 9 | 0 51 | 7 38 | 2 17 | 5 13 | 0 38 | 3 39 | 1 45 | 26 40 | 11 8 | 13 58 | 13 27 | 19 41 | 4 21 | 3 50 |
| S 16 | 23 34 | 9 28 | 0s56 | 20 5 | 1 34 | 23 19 | 0 3 | 22 59 | 2 41 | 19 6 | 0 51 | 7 36 | 2 17 | 5 13 | 0 38 | 3 39 | 1 45 | 26 40 | 11 9 | 13 58 | 13 28 | 19 38 | 4 23 | 3 50 |
| S 17 | 23 34 | 2 59 | 2 9 | 20 25 | 1 25 | 23 26 | 0 5 | 22 58 | 2 41 | 19 3 | 0 51 | 7 35 | 2 17 | 5 14 | 0 38 | 3 39 | 1 45 | 26 41 | 11 9 | 13 58 | 13 29 | 19 36 | 4 24 | 3 50 |
| M18 | 23 34 | 3s28 | 3 12 | 20 45 | 1 17 | 23 33 | 0 8 | 22 56 | 2 42 | 18 59 | 0 51 | 7 33 | 2 17 | 5 15 | 0 38 | 3 40 | 1 45 | 26 41 | 11 9 | 13 58 | 13 30 | 19 33 | 4 26 | 3 51 |
| T 19 | 23 33 | 9 37 | 4 3 | 21 4 | 1 8 | 23 38 | 0 10 | 22 54 | 2 42 | 18 56 | 0 51 | 7 32 | 2 16 | 5 15 | 0 38 | 3 40 | 1 45 | 26 42 | 11 10 | 13 58 | 13 31 | 19 31 | 4 27 | 3 51 |
| W20 | 23 31 | 15 13 | 4 40 | 21 22 | 1 0 | 23 43 | 0 12 | 22 52 | 2 43 | 18 52 | 0 51 | 7 30 | 2 16 | 5 16 | 0 38 | 3 40 | 1 45 | 26 43 | 11 10 | 13 59 | 13 32 | 19 28 | 4 28 | 3 51 |
| T 21 | 23 29 | 20 1 | 5 1 | 21 41 | 0 51 | 23 48 | 0 15 | 22 51 | 2 43 | 18 49 | 0 51 | 7 28 | 2 16 | 5 16 | 0 38 | 3 40 | 1 45 | 26 43 | 11 10 | 14 0 | 13 33 | 19 25 | 4 29 | 3 51 |
| F 22 | 23 27 | 23 48 | 5 8 | 21 58 | 0 43 | 23 51 | 0 17 | 22 50 | 2 43 | 18 45 | 0 51 | 7 27 | 2 16 | 5 17 | 0 38 | 3 40 | 1 45 | 26 44 | 11 11 | 14 3 | 13 34 | 19 23 | 4 31 | 3 51 |
| S 23 | 23 24 | 26 25 | 4 59 | 22 15 | 0 35 | 23 54 | 0 19 | 22 48 | 2 43 | 18 42 | 0 51 | 7 25 | 2 16 | 5 17 | 0 38 | 3 41 | 1 46 | 26 45 | 11 11 | 14 6 | 13 35 | 19 20 | 4 32 | 3 52 |
| S 24 | 23 20 | 27 41 | 4 36 | 22 32 | 0 26 | 23 56 | 0 22 | 22 47 | 2 44 | 18 38 | 0 51 | 7 23 | 2 16 | 5 18 | 0 38 | 3 41 | 1 46 | 26 45 | 11 11 | 14 8 | 13 36 | 19 18 | 4 33 | 3 52 |
| M25 | 23 16 | 27 35 | 4 1 | 22 47 | 0 18 | 23 57 | 0 24 | 22 46 | 2 44 | 18 35 | 0 51 | 7 21 | 2 15 | 5 18 | 0 38 | 3 41 | 1 46 | 26 46 | 11 11 | 14 11 | 13 37 | 19 15 | 4 34 | 3 52 |
| T 26 | 23 12 | 26 10 | 3 15 | 23 2 | 0 10 | 23 58 | 0 26 | 22 45 | 2 44 | 18 31 | 0 51 | 7 19 | 2 15 | 5 18 | 0 39 | 3 41 | 1 46 | 26 46 | 11 12 | 14 14 | 13 39 | 19 12 | 4 35 | 3 52 |
| W27 | 23 7 | 23 33 | 2 21 | 23 16 | 0 2 | 23 58 | 0 29 | 22 45 | 2 44 | 18 27 | 0 51 | 7 17 | 2 15 | 5 19 | 0 39 | 3 41 | 1 46 | 26 47 | 11 12 | 14 15 | 13 40 | 19 10 | 4 36 | 3 53 |
| T 28 | 23 2 | 19 58 | 1 21 | 23 28 | 0s 5 | 23 57 | 0 31 | 22 44 | 2 44 | 18 24 | 0 51 | 7 16 | 2 15 | 5 19 | 0 39 | 3 41 | 1 46 | 26 48 | 11 12 | 14 17 | 13 41 | 19 7 | 4 37 | 3 53 |
| F 29 | 22 56 | 15 36 | 0 18 | 23 40 | 0 13 | 23 55 | 0 33 | 22 44 | 2 44 | 18 20 | 0 51 | 7 14 | 2 15 | 5 19 | 0 39 | 3 41 | 1 46 | 26 48 | 11 13 | 14 17 | 13 42 | 19 5 | 4 37 | 3 53 |
| S 30 | 22 50 | 10 40 | 0n46 | 23 51 | 0 20 | 23 53 | 0 35 | 22 43 | 2 44 | 18 16 | 0 51 | 7 12 | 2 14 | 5 20 | 0 39 | 3 41 | 1 46 | 26 49 | 11 13 | 14 17 | 13 43 | 19 2 | 4 38 | 3 53 |
| S 31 | 22s43 | 5s20 | 1n49 | 24s 0 | 0s27 | 23s50 | 0s37 | 22n43 | 2n44 | 18s12 | 0s51 | 7s10 | 2s14 | 5s20 | 0n39 | 3s42 | 1n46 | 26n50 | 11n13 | 14s16 | 13s44 | 18s59 | 4s39 | 3s53 |

Julian Day Number = 2073858.5, Delta T = 27m21s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'43, Lahiri = 9°26'43 Julian Calendar 1 Dec. 965 == Greg. Calendar 6 Dec. 965


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## JANUARY 966 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 1 28 | 16♉ 3'42 | 24♓11 | 28♐40 | 11♉ 8 | 29♉ 4 | 11♒52 | 17♓14 | 14♎58 | 13♎25 | 15°R53 | 21♒58 | 23♒33 | 10♒10 | 2♎44 | M 1 |
| T 2 | 7 5 25 | 17° 4'46 | 6♈20 | 0♉ 8 | 12°24 | 29° 6 | 12° 6 | 17°19 | 14°59 | 13°25 | 15♌52 | 22° 0 | 23°30 | 10°17 | 2°45 | T 2 |
| W 3 | 7 9 21 | 18° 5'49 | 18°46 | 1°38 | 13°39 | 29° 8 | 12°20 | 17°24 | 15° 0 | 13°25 | 15°51 | 22°R 0 | 23°26 | 10°23 | 2°46 | W 3 |
| T 4 | 7 13 18 | 19° 6'51 | 1♉34 | 3° 8 | 14°54 | 29°11 | 12°34 | 17°29 | 15° 0 | 13°25 | 15°49 | 22° 0 | 23°23 | 10°30 | 2°47 | T 4 |
| F 5 | 7 17 15 | 20° 7'52 | 14°47 | 4°38 | 16°10 | 29°15 | 12°48 | 17°34 | 15° 1 | 13°25 | 15°48 | 21°57 | 23°20 | 10°37 | 2°48 | F 5 |
| S 6 | 7 21 11 | 21° 8'52 | 28°30 | 6°10 | 17°25 | 29°19 | 13° 2 | 17°39 | 15° 1 | 13°25 | 15°47 | 21°54 | 23°17 | 10°43 | 2°49 | S 6 |
| S 7 | 7 25 8 | 22° 9'51 | 12♊41 | 7°42 | 18°40 | 29°24 | 13°15 | 17°45 | 15° 2 | 13°26 | 15°45 | 21°49 | 23°14 | 10°50 | 2°49 | S 7 |
| M 8 | 7 29 4 | 23°10'48 | 27°18 | 9°14 | 19°56 | 29°30 | 13°29 | 17°50 | 15° 2 | 13°26 | 15°44 | 21°45 | 23°11 | 10°57 | 2°50 | M 8 |
| T 9 | 7 33 1 | 24°11'45 | 12♋16 | 10°48 | 21°11 | 29°36 | 13°43 | 17°55 | 15° 2 | 13°R26 | 15°43 | 21°41 | 23° 7 | 11° 3 | 2°50 | T 9 |
| W10 | 7 36 57 | 25°12'40 | 27°26 | 12°22 | 22°26 | 29°43 | 13°58 | 18° 1 | 15° 3 | 13°26 | 15°41 | 21°38 | 23° 4 | 11°10 | 2°50 | W10 |
| T 11 | 7 40 54 | 26°13'34 | 12♌39 | 13°57 | 23°42 | 29°51 | 14°12 | 18° 6 | 15° 3 | 13°26 | 15°40 | 21°37 | 23° 1 | 11°17 | 2°R50 | T 11 |
| F 12 | 7 44 51 | 27°14'27 | 27°44 | 15°32 | 24°57 | 29°59 | 14°26 | 18°12 | 15° 3 | 13°26 | 15°38 | 21°D37 | 22°58 | 11°23 | 2°50 | F 12 |
| S 13 | 7 48 47 | 28°15'19 | 12♍34 | 17° 8 | 26°12 | 0♊ 8 | 14°40 | 18°18 | 15° 3 | 13°25 | 15°37 | 21°38 | 22°55 | 11°30 | 2°50 | S 13 |
| S 14 | 7 52 44 | 29°16'10 | 27° 2 | 18°45 | 27°27 | 0°18 | 14°54 | 18°24 | 15°R 3 | 13°25 | 15°36 | 21°39 | 22°52 | 11°37 | 2°50 | S 14 |
| M15 | 7 56 40 | 0♒17'00 | 11♎ 6 | 20°22 | 28°43 | 0°28 | 15° 8 | 18°29 | 15° 3 | 13°25 | 15°34 | 21°40 | 22°48 | 11°43 | 2°49 | M15 |
| T 16 | 8 0 37 | 1°17'49 | 24°45 | 22° 1 | 29°58 | 0°39 | 15°22 | 18°35 | 15° 3 | 13°25 | 15°33 | 21°41 | 22°45 | 11°50 | 2°49 | T 16 |
| W17 | 8 4 33 | 2°18'37 | 8♏ 1 | 23°40 | 1♒13 | 0°50 | 15°37 | 18°41 | 15° 3 | 13°25 | 15°31 | 21°R41 | 22°42 | 11°57 | 2°48 | W17 |
| T 18 | 8 8 30 | 3°19'24 | 20°55 | 25°20 | 2°28 | 1° 2 | 15°51 | 18°47 | 15° 3 | 13°24 | 15°30 | 21°40 | 22°39 | 12° 3 | 2°48 | T 18 |
| F 19 | 8 12 26 | 4°20'10 | 3♐31 | 27° 0 | 3°43 | 1°14 | 16° 5 | 18°53 | 15° 2 | 13°24 | 15°28 | 21°39 | 22°36 | 12°10 | 2°47 | F 19 |
| S 20 | 8 16 23 | 5°20'55 | 15°53 | 28°42 | 4°59 | 1°27 | 16°20 | 18°59 | 15° 2 | 13°24 | 15°27 | 21°36 | 22°32 | 12°16 | 2°46 | S 20 |
| S 21 | 8 20 20 | 6°21'39 | 28° 2 | 0♒24 | 6°14 | 1°41 | 16°34 | 19° 6 | 15° 2 | 13°23 | 15°25 | 21°34 | 22°29 | 12°23 | 2°45 | S 21 |
| M22 | 8 24 16 | 7°22'21 | 10♉ 3 | 2° 7 | 7°29 | 1°55 | 16°48 | 19°12 | 15° 1 | 13°23 | 15°24 | 21°31 | 22°26 | 12°30 | 2°43 | M22 |
| T 23 | 8 28 13 | 8°23'02 | 21°57 | 3°51 | 8°44 | 2° 9 | 17° 3 | 19°18 | 15° 1 | 13°22 | 15°22 | 21°29 | 22°23 | 12°36 | 2°42 | T 23 |
| W24 | 8 32 9 | 9°23'42 | 3♒46 | 5°36 | 9°59 | 2°24 | 17°17 | 19°24 | 15° 0 | 13°22 | 15°21 | 21°28 | 22°20 | 12°43 | 2°41 | W24 |
| T 25 | 8 36 6 | 10°24'20 | 15°34 | 7°22 | 11°15 | 2°40 | 17°31 | 19°31 | 15° 0 | 13°21 | 15°19 | 21°28 | 22°17 | 12°50 | 2°39 | T 25 |
| F 26 | 8 40 2 | 11°24'57 | 27°21 | 9° 9 | 12°30 | 2°55 | 17°46 | 19°37 | 14°59 | 13°21 | 15°18 | 21°D28 | 22°13 | 12°56 | 2°38 | F 26 |
| S 27 | 8 43 59 | 12°25'32 | 9♓11 | 10°56 | 13°45 | 3°12 | 18° 0 | 19°44 | 14°58 | 13°20 | 15°16 | 21°28 | 22°10 | 13° 3 | 2°36 | S 27 |
| S 28 | 8 47 55 | 13°26'05 | 21° 5 | 12°44 | 15° 0 | 3°29 | 18°15 | 19°50 | 14°58 | 13°20 | 15°15 | 21°29 | 22° 7 | 13°10 | 2°34 | S 28 |
| M29 | 8 51 52 | 14°26'37 | 3♈ 6 | 14°33 | 16°15 | 3°46 | 18°29 | 19°57 | 14°57 | 13°19 | 15°13 | 21°30 | 22° 4 | 13°16 | 2°32 | M29 |
| T 30 | 8 55 49 | 15°27'06 | 15°19 | 16°23 | 17°30 | 4° 4 | 18°43 | 20° 4 | 14°56 | 13°18 | 15°12 | 21°30 | 22° 1 | 13°23 | 2°30 | T 30 |
| W31 | 8 59 45 | 16♒27'34 | 27♈46 | 18♒14 | 18♒45 | 4♊22 | 18♒58 | 20♓10 | 14♎55 | 13♎18 | 15♌10 | 21♒31 | 21♒57 | 13♒30 | 2♎28 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s36 | 0n14 | 2n47 | 24s 8 | 0s34 | 23s46 | 0s40 | 22n43 | 2n43 | 18s 8 | 0s51 | 7s 7 | 2s14 | 5s20 | 0n39 | 3s42 | 1n46 | 26n50 | 11n13 | 14s16 | 13s45 | 18s57 | 4s40 | 3s54 |
| T 2 | 22 29 | 5 53 | 3 39 | 24 16 | 0 41 | 23 41 | 0 42 | 22 43 | 2 43 | 18 5 | 0 51 | 7 5 | 2 14 | 5 20 | 0 39 | 3 42 | 1 46 | 26 51 | 11 14 | 14 15 | 13 46 | 18 54 | 4 40 | 3 54 |
| W 3 | 22 21 | 11 26 | 4 22 | 24 22 | 0 48 | 23 36 | 0 44 | 22 44 | 2 43 | 18 1 | 0 51 | 7 3 | 2 14 | 5 21 | 0 39 | 3 42 | 1 46 | 26 51 | 11 14 | 14 15 | 13 47 | 18 51 | 4 41 | 3 54 |
| T 4 | 22 12 | 16 40 | 4 54 | 24 26 | 0 54 | 23 30 | 0 46 | 22 44 | 2 43 | 17 57 | 0 51 | 7 1 | 2 14 | 5 21 | 0 39 | 3 42 | 1 46 | 26 52 | 11 14 | 14 15 | 13 48 | 18 49 | 4 42 | 3 54 |
| F 5 | 22 3 | 21 18 | 5 11 | 24 30 | 1 0 | 23 23 | 0 48 | 22 45 | 2 43 | 17 53 | 0 51 | 6 59 | 2 13 | 5 21 | 0 39 | 3 42 | 1 46 | 26 53 | 11 14 | 14 16 | 13 49 | 18 46 | 4 42 | 3 54 |
| S 6 | 21 54 | 24 59 | 5 11 | 24 32 | 1 6 | 23 15 | 0 50 | 22 45 | 2 42 | 17 49 | 0 51 | 6 57 | 2 13 | 5 21 | 0 39 | 3 42 | 1 46 | 26 53 | 11 14 | 14 17 | 13 50 | 18 43 | 4 42 | 3 55 |
| S 7 | 21 44 | 27 17 | 4 53 | 24 33 | 1 12 | 23 7 | 0 52 | 22 46 | 2 42 | 17 45 | 0 51 | 6 55 | 2 13 | 5 21 | 0 39 | 3 42 | 1 46 | 26 54 | 11 15 | 14 19 | 13 51 | 18 41 | 4 43 | 3 55 |
| M 8 | 21 34 | 27 48 | 4 15 | 24 32 | 1 17 | 22 58 | 0 53 | 22 47 | 2 42 | 17 41 | 0 51 | 6 52 | 2 13 | 5 21 | 0 39 | 3 42 | 1 47 | 26 55 | 11 15 | 14 20 | 13 52 | 18 38 | 4 43 | 3 55 |
| T 9 | 21 24 | 26 19 | 3 20 | 24 30 | 1 23 | 22 48 | 0 55 | 22 48 | 2 41 | 17 37 | 0 51 | 6 50 | 2 13 | 5 22 | 0 39 | 3 42 | 1 47 | 26 55 | 11 15 | 14 21 | 13 53 | 18 35 | 4 44 | 3 55 |
| W10 | 21 13 | 22 54 | 2 9 | 24 27 | 1 28 | 22 38 | 0 57 | 22 49 | 2 41 | 17 33 | 0 51 | 6 48 | 2 13 | 5 22 | 0 39 | 3 42 | 1 47 | 26 56 | 11 15 | 14 22 | 13 54 | 18 33 | 4 44 | 3 55 |
| T 11 | 21 2 | 17 54 | 0 49 | 24 22 | 1 32 | 22 27 | 0 59 | 22 51 | 2 41 | 17 29 | 0 51 | 6 45 | 2 13 | 5 22 | 0 39 | 3 41 | 1 47 | 26 56 | 11 15 | 14 23 | 13 55 | 18 30 | 4 44 | 3 56 |
| F 12 | 20 50 | 11 48 | 0s34 | 24 16 | 1 37 | 22 15 | 1 1 | 22 52 | 2 40 | 17 25 | 0 51 | 6 43 | 2 12 | 5 22 | 0 39 | 3 41 | 1 47 | 26 57 | 11 16 | 14 23 | 13 56 | 18 27 | 4 44 | 3 56 |
| S 13 | 20 38 | 5 9 | 1 53 | 24 8 | 1 41 | 22 3 | 1 2 | 22 54 | 2 40 | 17 20 | 0 51 | 6 41 | 2 12 | 5 22 | 0 39 | 3 41 | 1 47 | 26 58 | 11 16 | 14 23 | 13 57 | 18 25 | 4 44 | 3 56 |
| S 14 | 20 25 | 1s37 | 3 3 | 23 59 | 1 45 | 21 50 | 1 4 | 22 55 | 2 39 | 17 16 | 0 51 | 6 38 | 2 12 | 5 22 | 0 39 | 3 41 | 1 47 | 26 58 | 11 16 | 14 22 | 13 58 | 18 22 | 4 44 | 3 56 |
| M15 | 20 12 | 8 6 | 4 0 | 23 48 | 1 48 | 21 36 | 1 5 | 22 57 | 2 39 | 17 12 | 0 51 | 6 36 | 2 12 | 5 22 | 0 39 | 3 41 | 1 47 | 26 59 | 11 16 | 14 22 | 13 59 | 18 19 | 4 44 | 3 56 |
| T 16 | 19 59 | 14 0 | 4 42 | 23 36 | 1 51 | 21 22 | 1 7 | 22 59 | 2 38 | 17 8 | 0 51 | 6 34 | 2 12 | 5 22 | 0 39 | 3 41 | 1 47 | 27 0 | 11 16 | 14 21 | 14 1 | 18 17 | 4 44 | 3 56 |
| W17 | 19 45 | 19 5 | 5 7 | 23 22 | 1 54 | 21 7 | 1 8 | 23 1 | 2 38 | 17 4 | 0 51 | 6 31 | 2 12 | 5 21 | 0 39 | 3 41 | 1 47 | 27 0 | 11 17 | 14 21 | 14 2 | 18 14 | 4 44 | 3 57 |
| T 18 | 19 31 | 23 9 | 5 16 | 23 6 | 1 57 | 20 51 | 1 10 | 23 3 | 2 37 | 16 59 | 0 51 | 6 29 | 2 12 | 5 21 | 0 39 | 3 41 | 1 47 | 27 1 | 11 17 | 14 22 | 14 3 | 18 11 | 4 44 | 3 57 |
| F 19 | 19 17 | 26 2 | 5 9 | 22 49 | 1 59 | 20 35 | 1 11 | 23 5 | 2 37 | 16 55 | 0 51 | 6 26 | 2 11 | 5 21 | 0 39 | 3 40 | 1 47 | 27 1 | 11 17 | 14 22 | 14 4 | 18 8 | 4 44 | 3 57 |
| S 20 | 19 2 | 27 36 | 4 48 | 22 30 | 2 1 | 20 18 | 1 12 | 23 7 | 2 36 | 16 51 | 0 51 | 6 24 | 2 11 | 5 21 | 0 39 | 3 40 | 1 47 | 27 2 | 11 17 | 14 23 | 14 5 | 18 6 | 4 44 | 3 57 |
| S 21 | 18 47 | 27 48 | 4 14 | 22 10 | 2 2 | 20 1 | 1 14 | 23 9 | 2 36 | 16 47 | 0 51 | 6 21 | 2 11 | 5 21 | 0 39 | 3 40 | 1 47 | 27 3 | 11 17 | 14 24 | 14 6 | 18 3 | 4 43 | 3 57 |
| M22 | 18 32 | 26 41 | 3 30 | 21 48 | 2 3 | 19 43 | 1 15 | 23 12 | 2 35 | 16 42 | 0 51 | 6 18 | 2 11 | 5 21 | 0 39 | 3 40 | 1 47 | 27 3 | 11 17 | 14 25 | 14 7 | 18 0 | 4 43 | 3 57 |
| T 23 | 18 16 | 24 21 | 2 36 | 21 24 | 2 4 | 19 24 | 1 16 | 23 14 | 2 35 | 16 38 | 0 51 | 6 16 | 2 11 | 5 21 | 0 39 | 3 40 | 1 47 | 27 4 | 11 17 | 14 25 | 14 8 | 17 58 | 4 43 | 3 58 |
| W24 | 18 0 | 20 59 | 1 37 | 20 59 | 2 4 | 19 5 | 1 17 | 23 17 | 2 34 | 16 34 | 0 52 | 6 13 | 2 11 | 5 20 | 0 39 | 3 39 | 1 48 | 27 4 | 11 17 | 14 26 | 14 9 | 17 55 | 4 42 | 3 58 |
| T 25 | 17 44 | 16 47 | 0 33 | 20 32 | 2 4 | 18 45 | 1 18 | 23 19 | 2 34 | 16 29 | 0 52 | 6 11 | 2 11 | 5 20 | 0 39 | 3 39 | 1 48 | 27 5 | 11 18 | 14 26 | 14 10 | 17 52 | 4 42 | 3 58 |
| F 26 | 17 27 | 11 57 | 0n33 | 20 3 | 2 3 | 18 25 | 1 19 | 23 22 | 2 33 | 16 25 | 0 52 | 6 8 | 2 11 | 5 20 | 0 39 | 3 39 | 1 48 | 27 5 | 11 18 | 14 26 | 14 11 | 17 49 | 4 41 | 3 58 |
| S 27 | 17 10 | 6 41 | 1 37 | 19 32 | 2 2 | 18 4 | 1 20 | 23 24 | 2 32 | 16 20 | 0 52 | 6 5 | 2 11 | 5 19 | 0 39 | 3 38 | 1 48 | 27 6 | 11 18 | 14 26 | 14 12 | 17 47 | 4 41 | 3 58 |
| S 28 | 16 53 | 1 9 | 2 37 | 19 0 | 2 0 | 17 43 | 1 21 | 23 27 | 2 32 | 16 16 | 0 52 | 6 3 | 2 10 | 5 19 | 0 40 | 3 38 | 1 48 | 27 7 | 11 18 | 14 25 | 14 13 | 17 44 | 4 40 | 3 58 |
| M29 | 16 35 | 4n28 | 3 31 | 18 26 | 1 58 | 17 21 | 1 22 | 23 30 | 2 31 | 16 12 | 0 52 | 6 0 | 2 10 | 5 19 | 0 40 | 3 38 | 1 48 | 27 7 | 11 18 | 14 25 | 14 14 | 17 41 | 4 39 | 3 58 |
| T 30 | 16 18 | 10 0 | 4 17 | 17 51 | 1 55 | 16 59 | 1 22 | 23 33 | 2 31 | 16 7 | 0 52 | 5 57 | 2 10 | 5 18 | 0 40 | 3 38 | 1 48 | 27 8 | 11 18 | 14 25 | 14 15 | 17 38 | 4 38 | 3 58 |
| W31 | 16s 0 | 15n16 | 4n51 | 17s13 | 1s52 | 16s36 | 1s23 | 23n36 | 2n30 | 16s 3 | 0s52 | 5s54 | 2s10 | 5s18 | 0n40 | 3s37 | 1n48 | 27n 8 | 11n18 | 14s25 | 14s16 | 17s36 | 4s38 | 3s59 |

Julian Day Number = 2073889.5, Delta T = 27m21s
Ecliptic obliquity = 23°34'30, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'47, Lahiri = 9°26'47 Julian Calendar 1 Jan. 966 == Greg. Calendar 6 Jan. 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## FEBRUARY 966 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 3 42 | 17♒28'00 | 10♉31 | 20♒ 5 | 20♒ 0 | 4♊40 | 19♒12 | 20♓17 | 14°R54 | 13°R17 | 15°R 9 | 21♒31 | 21♒54 | 13♒36 | 2°R25 | T 1 |
| F 2 | 9 7 38 | 18°28'24 | 23°38 | 21°58 | 21°15 | 4°59 | 19°27 | 20°24 | 14♎53 | 13♎16 | 15♌ 7 | 21°R31 | 21°51 | 13°43 | 2♎23 | F 2 |
| S 3 | 9 11 35 | 19°28'45 | 7♊10 | 23°50 | 22°30 | 5°19 | 19°41 | 20°31 | 14°52 | 13°15 | 15° 6 | 21°31 | 21°48 | 13°50 | 2°21 | S 3 |
| S 4 | 9 15 31 | 20°29'05 | 21° 7 | 25°44 | 23°45 | 5°38 | 19°56 | 20°37 | 14°51 | 13°15 | 15° 4 | 21°31 | 21°45 | 13°56 | 2°18 | S 4 |
| M 5 | 9 19 28 | 21°29'23 | 5♋31 | 27°38 | 25° 0 | 5°58 | 20°10 | 20°44 | 14°50 | 13°14 | 15° 3 | 21°D31 | 21°42 | 14° 3 | 2°15 | M 5 |
| T 6 | 9 23 24 | 22°29'39 | 20°17 | 29°32 | 26°15 | 6°19 | 20°25 | 20°51 | 14°49 | 13°13 | 15° 1 | 21°31 | 21°38 | 14° 9 | 2°13 | T 6 |
| W 7 | 9 27 21 | 23°29'53 | 5♌21 | 1♓26 | 27°30 | 6°40 | 20°39 | 20°58 | 14°47 | 13°12 | 15° 0 | 21°31 | 21°35 | 14°16 | 2°10 | W 7 |
| T 8 | 9 31 18 | 24°30'05 | 20°33 | 3°20 | 28°45 | 7° 1 | 20°53 | 21° 5 | 14°46 | 13°11 | 14°58 | 21°R31 | 21°32 | 14°23 | 2° 7 | T 8 |
| F 9 | 9 35 14 | 25°30'15 | 5♍45 | 5°14 | 29°59 | 7°22 | 21° 8 | 21°12 | 14°45 | 13°10 | 14°57 | 21°31 | 21°29 | 14°29 | 2° 4 | F 9 |
| S 10 | 9 39 11 | 26°30'23 | 20°47 | 7° 7 | 1♓15 | 7°44 | 21°22 | 21°19 | 14°43 | 13° 9 | 14°55 | 21°31 | 21°26 | 14°36 | 2° 1 | S 10 |
| S 11 | 9 43 7 | 27°30'29 | 5♎30 | 9° 0 | 2°30 | 8° 6 | 21°37 | 21°26 | 14°42 | 13° 8 | 14°54 | 21°30 | 21°23 | 14°43 | 1°57 | S 11 |
| M12 | 9 47 4 | 28°30'33 | 19°50 | 10°51 | 3°45 | 8°28 | 21°51 | 21°34 | 14°41 | 13° 7 | 14°53 | 21°29 | 21°19 | 14°49 | 1°54 | M12 |
| T 13 | 9 51 0 | 29°30'36 | 3♏42 | 12°41 | 4°59 | 8°51 | 22° 6 | 21°41 | 14°39 | 13° 6 | 14°51 | 21°28 | 21°16 | 14°56 | 1°51 | T 13 |
| W14 | 9 54 57 | 0♓30'38 | 17° 6 | 14°29 | 6°14 | 9°14 | 22°20 | 21°48 | 14°37 | 13° 5 | 14°50 | 21°28 | 21°13 | 15° 3 | 1°47 | W14 |
| T 15 | 9 58 53 | 1°30'37 | 0♐ 5 | 16°14 | 7°29 | 9°37 | 22°34 | 21°55 | 14°36 | 13° 4 | 14°48 | 21°D28 | 21°10 | 15° 9 | 1°44 | T 15 |
| F 16 | 10 2 50 | 2°30'35 | 12°41 | 17°56 | 8°44 | 10° 1 | 22°49 | 22° 2 | 14°34 | 13° 3 | 14°47 | 21°28 | 21° 7 | 15°16 | 1°40 | F 16 |
| S 17 | 10 6 47 | 3°30'32 | 24°59 | 19°35 | 9°59 | 10°25 | 23° 3 | 22°10 | 14°33 | 13° 2 | 14°45 | 21°28 | 21° 3 | 15°23 | 1°36 | S 17 |
| S 18 | 10 10 43 | 4°30'27 | 7♑ 3 | 21°10 | 11°13 | 10°49 | 23°17 | 22°17 | 14°31 | 13° 0 | 14°44 | 21°30 | 21° 0 | 15°29 | 1°33 | S 18 |
| M19 | 10 14 40 | 5°30'19 | 18°57 | 22°41 | 12°28 | 11°13 | 23°32 | 22°24 | 14°29 | 12°59 | 14°43 | 21°31 | 20°57 | 15°36 | 1°29 | M19 |
| T 20 | 10 18 36 | 6°30'11 | 0♒46 | 24° 6 | 13°43 | 11°38 | 23°46 | 22°32 | 14°27 | 12°58 | 14°41 | 21°32 | 20°54 | 15°43 | 1°25 | T 20 |
| W21 | 10 22 33 | 7°30'00 | 12°32 | 25°26 | 14°58 | 12° 3 | 24° 0 | 22°39 | 14°25 | 12°57 | 14°40 | 21°33 | 20°51 | 15°49 | 1°21 | W21 |
| T 22 | 10 26 29 | 8°29'47 | 24°19 | 26°40 | 16°12 | 12°28 | 24°14 | 22°46 | 14°24 | 12°55 | 14°38 | 21°R33 | 20°48 | 15°56 | 1°17 | T 22 |
| F 23 | 10 30 26 | 9°29'32 | 6♓10 | 27°48 | 17°27 | 12°53 | 24°29 | 22°54 | 14°22 | 12°54 | 14°37 | 21°33 | 20°44 | 16° 2 | 1°13 | F 23 |
| S 24 | 10 34 22 | 10°29'15 | 18° 6 | 28°49 | 18°41 | 13°19 | 24°43 | 23° 1 | 14°20 | 12°53 | 14°36 | 21°31 | 20°41 | 16° 9 | 1° 9 | S 24 |
| S 25 | 10 38 19 | 11°28'56 | 0♈10 | 29°42 | 19°56 | 13°44 | 24°57 | 23° 9 | 14°18 | 12°52 | 14°34 | 21°28 | 20°38 | 16°16 | 1° 5 | S 25 |
| M26 | 10 42 16 | 12°28'35 | 12°23 | 0♈28 | 21°11 | 14°10 | 25°11 | 23°16 | 14°16 | 12°50 | 14°33 | 21°25 | 20°35 | 16°22 | 1° 0 | M26 |
| T 27 | 10 46 12 | 13°28'12 | 24°47 | 1° 7 | 22°25 | 14°37 | 25°25 | 23°24 | 14°14 | 12°49 | 14°32 | 21°21 | 20°32 | 16°29 | 0°56 | T 27 |
| W28 | 10 50 9 | 14♓27'46 | 7♉24 | 1♈37 | 23♓40 | 15♊ 3 | 25♒39 | 23♓31 | 14♎12 | 12♎47 | 14♌31 | 21♒18 | 20♒29 | 16♒36 | 0♎52 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s41 | 20n 0 | 5n12 | 16s35 | 1s48 | 16s13 | 1s24 | 23n39 | 2n30 | 15s58 | 0s52 | 5s52 | 2s10 | 5s18 | 0n40 | 3s37 | 1n48 | 27n 9 | 11n18 | 14s25 | 14s17 | 17s33 | 4s37 | 3s59 |
| F 2 | 15 23 | 23 55 | 5 18 | 15 54 | 1 44 | 15 49 | 1 24 | 23 41 | 2 29 | 15 54 | 0 52 | 5 49 | 2 10 | 5 17 | 0 40 | 3 37 | 1 48 | 27 9 | 11 18 | 14 25 | 14 18 | 17 30 | 4 36 | 3 59 |
| S 3 | 15 4 | 26 40 | 5 6 | 15 12 | 1 39 | 15 25 | 1 25 | 23 44 | 2 28 | 15 49 | 0 52 | 5 46 | 2 10 | 5 17 | 0 40 | 3 36 | 1 48 | 27 10 | 11 18 | 14 25 | 14 19 | 17 27 | 4 35 | 3 59 |
| S 4 | 14 45 | 27 53 | 4 37 | 14 29 | 1 33 | 15 1 | 1 25 | 23 47 | 2 28 | 15 45 | 0 52 | 5 43 | 2 10 | 5 16 | 0 40 | 3 36 | 1 48 | 27 10 | 11 18 | 14 25 | 14 20 | 17 25 | 4 34 | 3 59 |
| M 5 | 14 25 | 27 16 | 3 49 | 13 44 | 1 27 | 14 36 | 1 25 | 23 50 | 2 27 | 15 40 | 0 52 | 5 41 | 2 10 | 5 16 | 0 40 | 3 35 | 1 48 | 27 11 | 11 18 | 14 25 | 14 21 | 17 22 | 4 33 | 3 59 |
| T 6 | 14 6 | 24 45 | 2 45 | 12 57 | 1 20 | 14 11 | 1 26 | 23 53 | 2 27 | 15 36 | 0 52 | 5 38 | 2 10 | 5 15 | 0 40 | 3 35 | 1 48 | 27 11 | 11 18 | 14 25 | 14 22 | 17 19 | 4 32 | 3 59 |
| W 7 | 13 46 | 20 28 | 1 29 | 12 10 | 1 13 | 13 45 | 1 26 | 23 56 | 2 26 | 15 31 | 0 52 | 5 35 | 2 10 | 5 15 | 0 40 | 3 35 | 1 48 | 27 12 | 11 18 | 14 25 | 14 23 | 17 16 | 4 31 | 3 59 |
| T 8 | 13 26 | 14 48 | 0 5 | 11 21 | 1 5 | 13 19 | 1 26 | 23 59 | 2 25 | 15 26 | 0 52 | 5 32 | 2 9 | 5 14 | 0 40 | 3 34 | 1 48 | 27 12 | 11 18 | 14 25 | 14 24 | 17 13 | 4 30 | 3 59 |
| F 9 | 13 6 | 8 14 | 1s18 | 10 31 | 0 56 | 12 53 | 1 26 | 24 2 | 2 25 | 15 22 | 0 53 | 5 29 | 2 9 | 5 14 | 0 40 | 3 34 | 1 48 | 27 13 | 11 18 | 14 25 | 14 25 | 17 11 | 4 29 | 3 59 |
| S 10 | 12 45 | 1 17 | 2 36 | 9 40 | 0 47 | 12 26 | 1 26 | 24 6 | 2 24 | 15 17 | 0 53 | 5 26 | 2 9 | 5 13 | 0 40 | 3 33 | 1 48 | 27 13 | 11 18 | 14 25 | 14 26 | 17 8 | 4 27 | 3 59 |
| S 11 | 12 24 | 5s35 | 3 41 | 8 49 | 0 37 | 11 59 | 1 26 | 24 9 | 2 23 | 15 13 | 0 53 | 5 23 | 2 9 | 5 13 | 0 40 | 3 33 | 1 49 | 27 14 | 11 18 | 14 25 | 14 27 | 17 5 | 4 26 | 3 59 |
| M12 | 12 4 | 11 58 | 4 31 | 7 57 | 0 26 | 11 32 | 1 26 | 24 12 | 2 23 | 15 8 | 0 53 | 5 21 | 2 9 | 5 12 | 0 40 | 3 33 | 1 49 | 27 14 | 11 18 | 14 25 | 14 28 | 17 2 | 4 25 | 3 59 |
| T 13 | 11 43 | 17 33 | 5 3 | 7 4 | 0 15 | 11 4 | 1 26 | 24 15 | 2 22 | 15 3 | 0 53 | 5 18 | 2 9 | 5 12 | 0 40 | 3 32 | 1 49 | 27 15 | 11 18 | 14 26 | 14 29 | 16 59 | 4 24 | 3 59 |
| W14 | 11 21 | 22 5 | 5 17 | 6 12 | 0 4 | 10 36 | 1 26 | 24 18 | 2 22 | 14 59 | 0 53 | 5 15 | 2 9 | 5 11 | 0 40 | 3 32 | 1 49 | 27 15 | 11 18 | 14 26 | 14 30 | 16 57 | 4 22 | 3 59 |
| T 15 | 11 0 | 25 24 | 5 14 | 5 20 | 0n 9 | 10 8 | 1 26 | 24 21 | 2 21 | 14 54 | 0 53 | 5 12 | 2 9 | 5 10 | 0 40 | 3 31 | 1 49 | 27 15 | 11 18 | 14 26 | 14 32 | 16 54 | 4 21 | 3 59 |
| F 16 | 10 38 | 27 20 | 4 56 | 4 28 | 0 21 | 9 39 | 1 25 | 24 23 | 2 20 | 14 50 | 0 53 | 5 9 | 2 9 | 5 10 | 0 40 | 3 31 | 1 49 | 27 16 | 11 18 | 14 26 | 14 33 | 16 51 | 4 19 | 3 59 |
| S 17 | 10 17 | 27 54 | 4 25 | 3 37 | 0 34 | 9 11 | 1 25 | 24 26 | 2 20 | 14 45 | 0 53 | 5 6 | 2 9 | 5 9 | 0 40 | 3 30 | 1 49 | 27 16 | 11 18 | 14 26 | 14 34 | 16 48 | 4 18 | 3 59 |
| S 18 | 9 55 | 27 5 | 3 43 | 2 48 | 0 48 | 8 42 | 1 24 | 24 29 | 2 19 | 14 40 | 0 53 | 5 3 | 2 9 | 5 8 | 0 40 | 3 30 | 1 49 | 27 17 | 11 18 | 14 25 | 14 35 | 16 45 | 4 16 | 3 59 |
| M19 | 9 33 | 25 3 | 2 51 | 1 59 | 1 1 | 8 13 | 1 24 | 24 32 | 2 19 | 14 36 | 0 53 | 5 0 | 2 9 | 5 8 | 0 40 | 3 29 | 1 49 | 27 17 | 11 18 | 14 25 | 14 36 | 16 43 | 4 15 | 3 59 |
| T 20 | 9 11 | 21 56 | 1 53 | 1 13 | 1 15 | 7 43 | 1 23 | 24 35 | 2 18 | 14 31 | 0 53 | 4 57 | 2 9 | 5 7 | 0 40 | 3 29 | 1 49 | 27 17 | 11 18 | 14 24 | 14 37 | 16 40 | 4 13 | 3 59 |
| W21 | 8 48 | 17 56 | 0 50 | 0 29 | 1 28 | 7 14 | 1 23 | 24 38 | 2 17 | 14 26 | 0 54 | 4 54 | 2 9 | 5 6 | 0 40 | 3 28 | 1 49 | 27 18 | 11 18 | 14 24 | 14 38 | 16 37 | 4 11 | 3 59 |
| T 22 | 8 26 | 13 15 | 0n15 | 0n13 | 1 42 | 6 44 | 1 22 | 24 41 | 2 17 | 14 22 | 0 54 | 4 51 | 2 9 | 5 5 | 0 40 | 3 28 | 1 49 | 27 18 | 11 18 | 14 24 | 14 39 | 16 34 | 4 10 | 3 59 |
| F 23 | 8 3 | 8 4 | 1 20 | 0 53 | 1 55 | 6 14 | 1 21 | 24 43 | 2 16 | 14 17 | 0 54 | 4 48 | 2 9 | 5 5 | 0 40 | 3 27 | 1 49 | 27 19 | 11 18 | 14 24 | 14 40 | 16 31 | 4 8 | 3 59 |
| S 24 | 7 41 | 2 33 | 2 22 | 1 29 | 2 8 | 5 44 | 1 20 | 24 46 | 2 15 | 14 12 | 0 54 | 4 45 | 2 9 | 5 4 | 0 40 | 3 26 | 1 49 | 27 19 | 11 18 | 14 25 | 14 41 | 16 28 | 4 6 | 3 59 |
| S 25 | 7 18 | 3n 5 | 3 17 | 2 2 | 2 20 | 5 13 | 1 19 | 24 49 | 2 15 | 14 8 | 0 54 | 4 42 | 2 9 | 5 3 | 0 40 | 3 26 | 1 49 | 27 19 | 11 18 | 14 26 | 14 42 | 16 26 | 4 5 | 3 59 |
| M26 | 6 55 | 8 40 | 4 5 | 2 31 | 2 32 | 4 43 | 1 18 | 24 51 | 2 14 | 14 3 | 0 54 | 4 39 | 2 9 | 5 2 | 0 40 | 3 25 | 1 49 | 27 20 | 11 18 | 14 27 | 14 43 | 16 23 | 4 3 | 3 59 |
| T 27 | 6 32 | 14 1 | 4 42 | 2 56 | 2 43 | 4 12 | 1 17 | 24 54 | 2 14 | 13 58 | 0 54 | 4 36 | 2 9 | 5 1 | 0 40 | 3 25 | 1 49 | 27 20 | 11 18 | 14 28 | 14 44 | 16 20 | 4 1 | 3 58 |
| W28 | 6s 9 | 18n52 | 5n 5 | 3n18 | 2n54 | 3s42 | 1s16 | 24n56 | 2n13 | 13s54 | 0s54 | 4s33 | 2s 9 | 5s 1 | 0n40 | 3s24 | 1n49 | 27n20 | 11n18 | 14s29 | 14s45 | 16s17 | 3s59 | 3s58 |

Julian Day Number = 2073920.5, Delta T = 27m20s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'51, Lahiri = 9°26'52 Julian Calendar 1 Feb. 966 == Greg. Calendar 6 Feb. 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## MARCH 966 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 54 5 | 15♓27'19 | 20♉15 | 2♈ 0 | 24♓54 | 15♊30 | 25♒53 | 23♓39 | 14°R 9 | 12°R46 | 14°R29 | 21°R15 | 20♒25 | 16♒42 | 0°R47 | T 1 |
| F 2 | 10 58 2 | 16°26'49 | 3♊24 | 2°14 | 26° 9 | 15°57 | 26° 7 | 23°46 | 14♎ 7 | 12♎45 | 14♌28 | 21♒13 | 20°22 | 16°49 | 0♎43 | F 2 |
| S 3 | 11 1 58 | 17°26'16 | 16°50 | 2°R20 | 27°23 | 16°24 | 26°21 | 23°54 | 14° 5 | 12°43 | 14°27 | 21°D13 | 20°19 | 16°56 | 0°38 | S 3 |
| S 4 | 11 5 55 | 18°25'41 | 0♋37 | 2°19 | 28°38 | 16°51 | 26°35 | 24° 1 | 14° 3 | 12°42 | 14°26 | 21°13 | 20°16 | 17° 2 | 0°34 | S 4 |
| M 5 | 11 9 51 | 19°25'04 | 14°44 | 2°10 | 29°52 | 17°19 | 26°49 | 24° 9 | 14° 1 | 12°40 | 14°24 | 21°14 | 20°13 | 17° 9 | 0°29 | M 5 |
| T 6 | 11 13 48 | 20°24'25 | 29°11 | 1°54 | 1♈ 7 | 17°46 | 27° 3 | 24°16 | 13°58 | 12°39 | 14°23 | 21°16 | 20° 9 | 17°16 | 0°25 | T 6 |
| W 7 | 11 17 45 | 21°23'43 | 13♌54 | 1°31 | 2°21 | 18°14 | 27°17 | 24°24 | 13°56 | 12°37 | 14°22 | 21°R17 | 20° 6 | 17°22 | 0°20 | W 7 |
| T 8 | 11 21 41 | 22°22'59 | 28°50 | 1° 2 | 3°35 | 18°42 | 27°31 | 24°31 | 13°54 | 12°36 | 14°21 | 21°17 | 20° 3 | 17°29 | 0°16 | T 8 |
| F 9 | 11 25 38 | 23°22'12 | 13♍49 | 0°27 | 4°50 | 19°10 | 27°44 | 24°39 | 13°52 | 12°34 | 14°20 | 21°15 | 20° 0 | 17°35 | 0°11 | F 9 |
| S 10 | 11 29 34 | 24°21'23 | 28°46 | 29♓48 | 6° 4 | 19°39 | 27°58 | 24°47 | 13°49 | 12°33 | 14°19 | 21°12 | 19°57 | 17°42 | 0° 6 | S 10 |
| S 11 | 11 33 31 | 25°20'32 | 13♎29 | 29° 5 | 7°18 | 20° 7 | 28°12 | 24°54 | 13°47 | 12°31 | 14°18 | 21° 8 | 19°54 | 17°49 | 0° 2 | S 11 |
| M12 | 11 37 27 | 26°19'39 | 27°54 | 28°19 | 8°32 | 20°36 | 28°25 | 25° 2 | 13°44 | 12°30 | 14°17 | 21° 2 | 19°50 | 17°55 | 29♍57 | M12 |
| T 13 | 11 41 24 | 27°18'45 | 11♏53 | 27°31 | 9°47 | 21° 5 | 28°39 | 25° 9 | 13°42 | 12°28 | 14°16 | 20°57 | 19°47 | 18° 2 | 29°52 | T 13 |
| W14 | 11 45 20 | 28°17'48 | 25°26 | 26°42 | 11° 1 | 21°34 | 28°53 | 25°17 | 13°40 | 12°27 | 14°15 | 20°52 | 19°44 | 18° 9 | 29°48 | W14 |
| T 15 | 11 49 17 | 29°16'50 | 8♐31 | 25°53 | 12°15 | 22° 3 | 29° 6 | 25°24 | 13°37 | 12°25 | 14°14 | 20°48 | 19°41 | 18°15 | 29°43 | T 15 |
| F 16 | 11 53 13 | 0♈15'50 | 21°11 | 25° 5 | 13°29 | 22°32 | 29°19 | 25°32 | 13°35 | 12°23 | 14°13 | 20°46 | 19°38 | 18°22 | 29°38 | F 16 |
| S 17 | 11 57 10 | 1°14'48 | 3♑31 | 24°19 | 14°43 | 23° 1 | 29°33 | 25°39 | 13°32 | 12°22 | 14°12 | 20°D46 | 19°35 | 18°29 | 29°34 | S 17 |
| S 18 | 12 1 7 | 2°13'44 | 15°35 | 23°35 | 15°57 | 23°31 | 29°46 | 25°47 | 13°30 | 12°20 | 14°11 | 20°47 | 19°31 | 18°35 | 29°29 | S 18 |
| M19 | 12 5 3 | 3°12'39 | 27°28 | 22°55 | 17°11 | 24° 1 | 29°59 | 25°54 | 13°27 | 12°19 | 14°10 | 20°48 | 19°28 | 18°42 | 29°24 | M19 |
| T 20 | 12 9 0 | 4°11'31 | 9♒16 | 22°19 | 18°25 | 24°31 | 0♓13 | 26° 2 | 13°25 | 12°17 | 14° 9 | 20°50 | 19°25 | 18°49 | 29°19 | T 20 |
| W21 | 12 12 56 | 5°10'22 | 21° 2 | 21°47 | 19°39 | 25° 1 | 0°26 | 26° 9 | 13°22 | 12°15 | 14° 8 | 20°R50 | 19°22 | 18°55 | 29°15 | W21 |
| T 22 | 12 16 53 | 6° 9'11 | 2♓52 | 21°20 | 20°53 | 25°31 | 0°39 | 26°17 | 13°20 | 12°14 | 14° 7 | 20°50 | 19°19 | 19° 2 | 29°10 | T 22 |
| F 23 | 12 20 49 | 7° 7'58 | 14°48 | 20°57 | 22° 7 | 26° 1 | 0°52 | 26°24 | 13°17 | 12°12 | 14° 6 | 20°47 | 19°15 | 19° 9 | 29° 5 | F 23 |
| S 24 | 12 24 46 | 8° 6'43 | 26°53 | 20°40 | 23°21 | 26°31 | 1° 5 | 26°32 | 13°15 | 12°10 | 14° 6 | 20°42 | 19°12 | 19°15 | 29° 1 | S 24 |
| S 25 | 12 28 42 | 9° 5'26 | 9♈10 | 20°29 | 24°35 | 27° 2 | 1°18 | 26°39 | 13°12 | 12° 9 | 14° 5 | 20°35 | 19° 9 | 19°22 | 28°56 | S 25 |
| M26 | 12 32 39 | 10° 4'07 | 21°39 | 20°22 | 25°49 | 27°32 | 1°31 | 26°47 | 13° 9 | 12° 7 | 14° 4 | 20°26 | 19° 6 | 19°28 | 28°52 | M26 |
| T 27 | 12 36 36 | 11° 2'46 | 4♉21 | 20°D21 | 27° 3 | 28° 3 | 1°43 | 26°54 | 13° 7 | 12° 5 | 14° 4 | 20°17 | 19° 3 | 19°35 | 28°47 | T 27 |
| W28 | 12 40 32 | 12° 1'23 | 17°16 | 20°24 | 28°17 | 28°34 | 1°56 | 27° 2 | 13° 4 | 12° 4 | 14° 3 | 20° 8 | 19° 0 | 19°42 | 28°43 | W28 |
| T 29 | 12 44 29 | 12°59'58 | 0♊23 | 20°33 | 29°31 | 29° 5 | 2° 9 | 27° 9 | 13° 2 | 12° 2 | 14° 2 | 20° 0 | 18°56 | 19°48 | 28°38 | T 29 |
| F 30 | 12 48 25 | 13°58'31 | 13°43 | 20°47 | 0♉44 | 29°36 | 2°21 | 27°16 | 12°59 | 12° 1 | 14° 2 | 19°54 | 18°53 | 19°55 | 28°34 | F 30 |
| S 31 | 12 52 22 | 14♈57'01 | 27♊16 | 21♓ 5 | 1♉58 | 0♋ 7 | 2♓34 | 27♓24 | 12♎57 | 11♎59 | 14♌ 1 | 19♒51 | 18♒50 | 20♒ 2 | 28♍29 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s46 | 22n57 | 5n15 | 3n36 | 3n 3 | 3s11 | 1s15 | 24n59 | 2n12 | 13s49 | 0s54 | 4s30 | 2s 9 | 5s 0 | 0n40 | 3s24 | 1n49 | 27n20 | 11n18 | 14s30 | 14s46 | 16s14 | 3s57 | 3s58 |
| F 2 | 5 23 | 25 59 | 5 8 | 3 49 | 3 11 | 2 40 | 1 14 | 25 1 | 2 12 | 13 44 | 0 55 | 4 27 | 2 9 | 4 59 | 0 40 | 3 23 | 1 49 | 27 21 | 11 17 | 14 30 | 14 47 | 16 11 | 3 55 | 3 58 |
| S 3 | 4 59 | 27 38 | 4 44 | 3 58 | 3 18 | 2 9 | 1 13 | 25 3 | 2 11 | 13 39 | 0 55 | 4 24 | 2 9 | 4 58 | 0 40 | 3 22 | 1 49 | 27 21 | 11 17 | 14 31 | 14 48 | 16 9 | 3 53 | 3 58 |
| S 4 | 4 36 | 27 38 | 4 3 | 4 2 | 3 24 | 1 38 | 1 11 | 25 5 | 2 11 | 13 35 | 0 55 | 4 21 | 2 9 | 4 57 | 0 40 | 3 22 | 1 49 | 27 21 | 11 17 | 14 30 | 14 49 | 16 6 | 3 51 | 3 58 |
| M 5 | 4 13 | 25 52 | 3 7 | 4 3 | 3 28 | 1 7 | 1 10 | 25 7 | 2 10 | 13 30 | 0 55 | 4 18 | 2 9 | 4 56 | 0 40 | 3 21 | 1 49 | 27 22 | 11 17 | 14 30 | 14 50 | 16 3 | 3 49 | 3 58 |
| T 6 | 3 49 | 22 22 | 1 58 | 3 58 | 3 31 | 0 36 | 1 8 | 25 9 | 2 9 | 13 25 | 0 55 | 4 15 | 2 9 | 4 55 | 0 40 | 3 21 | 1 49 | 27 22 | 11 17 | 14 30 | 14 51 | 16 0 | 3 47 | 3 57 |
| W 7 | 3 26 | 17 24 | 0 40 | 3 50 | 3 31 | 0 5 | 1 7 | 25 11 | 2 9 | 13 21 | 0 55 | 4 12 | 2 9 | 4 55 | 0 40 | 3 20 | 1 49 | 27 22 | 11 17 | 14 29 | 14 52 | 15 57 | 3 45 | 3 57 |
| T 8 | 3 2 | 11 18 | 0s41 | 3 38 | 3 31 | 0n26 | 1 5 | 25 13 | 2 8 | 13 16 | 0 55 | 4 9 | 2 9 | 4 54 | 0 40 | 3 19 | 1 50 | 27 22 | 11 17 | 14 29 | 14 53 | 15 54 | 3 43 | 3 57 |
| F 9 | 2 39 | 4 33 | 2 0 | 3 21 | 3 28 | 0 57 | 1 4 | 25 15 | 2 8 | 13 11 | 0 55 | 4 6 | 2 9 | 4 53 | 0 40 | 3 19 | 1 50 | 27 22 | 11 17 | 14 30 | 14 54 | 15 51 | 3 41 | 3 57 |
| S 10 | 2 15 | 2s25 | 3 11 | 3 2 | 3 24 | 1 28 | 1 2 | 25 17 | 2 7 | 13 7 | 0 55 | 4 3 | 2 9 | 4 52 | 0 40 | 3 18 | 1 50 | 27 23 | 11 17 | 14 31 | 14 55 | 15 48 | 3 39 | 3 57 |
| S 11 | 1 52 | 9 9 | 4 7 | 2 39 | 3 18 | 1 59 | 1 1 | 25 18 | 2 6 | 13 2 | 0 56 | 4 0 | 2 9 | 4 51 | 0 40 | 3 18 | 1 50 | 27 23 | 11 16 | 14 32 | 14 56 | 15 46 | 3 37 | 3 56 |
| M12 | 1 28 | 15 14 | 4 47 | 2 14 | 3 10 | 2 30 | 0 59 | 25 20 | 2 6 | 12 58 | 0 56 | 3 57 | 2 9 | 4 50 | 0 40 | 3 17 | 1 50 | 27 23 | 11 16 | 14 34 | 14 57 | 15 43 | 3 35 | 3 56 |
| T 13 | 1 4 | 20 22 | 5 8 | 1 46 | 3 1 | 3 1 | 0 57 | 25 21 | 2 5 | 12 53 | 0 56 | 3 54 | 2 9 | 4 49 | 0 40 | 3 16 | 1 50 | 27 23 | 11 16 | 14 36 | 14 58 | 15 40 | 3 33 | 3 56 |
| W14 | 0 41 | 24 15 | 5 11 | 1 16 | 2 50 | 3 32 | 0 55 | 25 23 | 2 5 | 12 48 | 0 56 | 3 51 | 2 9 | 4 48 | 0 40 | 3 16 | 1 50 | 27 23 | 11 16 | 14 37 | 14 59 | 15 37 | 3 31 | 3 56 |
| T 15 | 0 17 | 26 44 | 4 57 | 0 46 | 2 38 | 4 3 | 0 53 | 25 24 | 2 4 | 12 44 | 0 56 | 3 48 | 2 9 | 4 47 | 0 40 | 3 15 | 1 50 | 27 24 | 11 16 | 14 38 | 15 0 | 15 34 | 3 29 | 3 55 |
| F 16 | 0n 6 | 27 45 | 4 29 | 0 15 | 2 25 | 4 34 | 0 51 | 25 25 | 2 3 | 12 39 | 0 56 | 3 45 | 2 9 | 4 46 | 0 40 | 3 14 | 1 50 | 27 24 | 11 16 | 14 39 | 15 1 | 15 31 | 3 27 | 3 55 |
| S 17 | 0 30 | 27 21 | 3 49 | 0s17 | 2 10 | 5 5 | 0 49 | 25 26 | 2 3 | 12 35 | 0 56 | 3 42 | 2 9 | 4 45 | 0 40 | 3 14 | 1 50 | 27 24 | 11 15 | 14 39 | 15 2 | 15 28 | 3 25 | 3 55 |
| S 18 | 0 53 | 25 38 | 3 0 | 0 48 | 1 55 | 5 35 | 0 47 | 25 27 | 2 2 | 12 30 | 0 57 | 3 40 | 2 9 | 4 44 | 0 40 | 3 13 | 1 50 | 27 24 | 11 15 | 14 39 | 15 3 | 15 25 | 3 22 | 3 55 |
| M19 | 1 17 | 22 48 | 2 4 | 1 18 | 1 40 | 6 6 | 0 45 | 25 28 | 2 2 | 12 25 | 0 57 | 3 37 | 2 9 | 4 43 | 0 40 | 3 12 | 1 50 | 27 24 | 11 15 | 14 38 | 15 4 | 15 22 | 3 20 | 3 54 |
| T 20 | 1 41 | 19 3 | 1 3 | 1 47 | 1 24 | 6 36 | 0 43 | 25 29 | 2 1 | 12 21 | 0 57 | 3 34 | 2 9 | 4 42 | 0 40 | 3 12 | 1 50 | 27 24 | 11 15 | 14 38 | 15 5 | 15 19 | 3 18 | 3 54 |
| W21 | 2 4 | 14 33 | 0n 1 | 2 14 | 1 8 | 7 6 | 0 41 | 25 29 | 2 1 | 12 16 | 0 57 | 3 31 | 2 9 | 4 41 | 0 40 | 3 11 | 1 50 | 27 24 | 11 15 | 14 38 | 15 6 | 15 16 | 3 16 | 3 54 |
| T 22 | 2 27 | 9 30 | 1 5 | 2 40 | 0 52 | 7 36 | 0 39 | 25 30 | 2 0 | 12 12 | 0 57 | 3 28 | 2 9 | 4 40 | 0 40 | 3 11 | 1 50 | 27 24 | 11 14 | 14 38 | 15 7 | 15 14 | 3 14 | 3 53 |
| F 23 | 2 51 | 4 5 | 2 6 | 3 3 | 0 36 | 8 6 | 0 37 | 25 30 | 1 59 | 12 7 | 0 57 | 3 25 | 2 9 | 4 39 | 0 40 | 3 10 | 1 50 | 27 24 | 11 14 | 14 39 | 15 8 | 15 11 | 3 12 | 3 53 |
| S 24 | 3 14 | 1n32 | 3 2 | 3 25 | 0 20 | 8 35 | 0 34 | 25 31 | 1 59 | 12 3 | 0 57 | 3 22 | 2 9 | 4 38 | 0 40 | 3 9 | 1 50 | 27 24 | 11 14 | 14 41 | 15 9 | 15 8 | 3 9 | 3 53 |
| S 25 | 3 37 | 7 11 | 3 51 | 3 44 | 0 4 | 9 5 | 0 32 | 25 31 | 1 58 | 11 58 | 0 58 | 3 19 | 2 9 | 4 37 | 0 40 | 3 9 | 1 50 | 27 24 | 11 14 | 14 43 | 15 10 | 15 5 | 3 7 | 3 52 |
| M26 | 4 1 | 12 38 | 4 29 | 4 0 | 0s11 | 9 34 | 0 30 | 25 31 | 1 58 | 11 54 | 0 58 | 3 16 | 2 10 | 4 36 | 0 40 | 3 8 | 1 50 | 27 25 | 11 14 | 14 46 | 15 11 | 15 2 | 3 5 | 3 52 |
| T 27 | 4 24 | 17 40 | 4 55 | 4 14 | 0 26 | 10 3 | 0 27 | 25 31 | 1 57 | 11 49 | 0 58 | 3 13 | 2 10 | 4 35 | 0 40 | 3 7 | 1 50 | 27 25 | 11 13 | 14 48 | 15 12 | 14 59 | 3 3 | 3 51 |
| W28 | 4 47 | 21 58 | 5 6 | 4 26 | 0 40 | 10 32 | 0 25 | 25 31 | 1 57 | 11 45 | 0 58 | 3 10 | 2 10 | 4 34 | 0 40 | 3 7 | 1 50 | 27 25 | 11 13 | 14 51 | 15 13 | 14 56 | 3 1 | 3 51 |
| T 29 | 5 10 | 25 15 | 5 1 | 4 35 | 0 53 | 11 1 | 0 23 | 25 30 | 1 56 | 11 41 | 0 58 | 3 7 | 2 10 | 4 33 | 0 40 | 3 6 | 1 50 | 27 25 | 11 13 | 14 54 | 15 14 | 14 53 | 2 59 | 3 51 |
| F 30 | 5 33 | 27 13 | 4 41 | 4 41 | 1 6 | 11 29 | 0 20 | 25 30 | 1 55 | 11 36 | 0 58 | 3 4 | 2 10 | 4 32 | 0 40 | 3 5 | 1 50 | 27 25 | 11 13 | 14 56 | 15 15 | 14 50 | 2 57 | 3 50 |
| S 31 | 5n55 | 27n37 | 4n 4 | 4s45 | 1s18 | 11n57 | 0s18 | 25n29 | 1n55 | 11s32 | 0s59 | 3s 2 | 2s10 | 4s31 | 0n40 | 3s 5 | 1n50 | 27n24 | 11n13 | 14s57 | 15s16 | 14s47 | 2s54 | 3s50 |

Julian Day Number = 2073948.5, Delta T = 27m20s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'55, Lahiri = 9°26'56 Julian Calendar 1 March 966 == Greg. Calendar 6 March 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## APRIL 966 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 56 18 | 15♈55'29 | 11♋ 1 | 21♓28 | 3♉12 | 0♋39 | 2♓46 | 27♓31 | 12°R54 | 11°R57 | 14°R 0 | 19°D49 | 18♒47 | 20♒ 8 | 28°R25 | S 1 |
| M 2 | 13 0 15 | 16°53'56 | 25° 0 | 21°56 | 4°26 | 1°10 | 2°59 | 27°38 | 12♎51 | 11♎56 | 14♌ 0 | 19♒49 | 18°44 | 20°15 | 28♍21 | M 2 |
| T 3 | 13 4 11 | 17°52'19 | 9♌11 | 22°28 | 5°39 | 1°42 | 3°11 | 27°45 | 12°49 | 11°54 | 13°59 | 19°50 | 18°40 | 20°22 | 28°17 | T 3 |
| W 4 | 13 8 8 | 18°50'41 | 23°33 | 23° 3 | 6°53 | 2°13 | 3°23 | 27°53 | 12°46 | 11°52 | 13°59 | 19°R50 | 18°37 | 20°28 | 28°12 | W 4 |
| T 5 | 13 12 5 | 19°49'00 | 8♍ 5 | 23°43 | 8° 6 | 2°45 | 3°35 | 28° 0 | 12°44 | 11°51 | 13°58 | 19°49 | 18°34 | 20°35 | 28° 8 | T 5 |
| F 6 | 13 16 1 | 20°47'18 | 22°41 | 24°26 | 9°20 | 3°17 | 3°47 | 28° 7 | 12°41 | 11°49 | 13°58 | 19°45 | 18°31 | 20°42 | 28° 4 | F 6 |
| S 7 | 13 19 58 | 21°45'33 | 7♎17 | 25°13 | 10°34 | 3°49 | 3°59 | 28°14 | 12°39 | 11°47 | 13°58 | 19°39 | 18°28 | 20°48 | 28° 0 | S 7 |
| S 8 | 13 23 54 | 22°43'46 | 21°45 | 26° 3 | 11°47 | 4°21 | 4°11 | 28°21 | 12°36 | 11°46 | 13°57 | 19°31 | 18°25 | 20°55 | 27°56 | S 8 |
| M 9 | 13 27 51 | 23°41'58 | 5♏59 | 26°57 | 13° 0 | 4°53 | 4°23 | 28°29 | 12°34 | 11°44 | 13°57 | 19°21 | 18°21 | 21° 1 | 27°52 | M 9 |
| T 10 | 13 31 47 | 24°40'08 | 19°53 | 27°54 | 14°14 | 5°25 | 4°35 | 28°36 | 12°31 | 11°43 | 13°57 | 19°10 | 18°18 | 21° 8 | 27°48 | T 10 |
| W11 | 13 35 44 | 25°38'16 | 3♐24 | 28°53 | 15°27 | 5°57 | 4°46 | 28°43 | 12°29 | 11°41 | 13°56 | 19° 1 | 18°15 | 21°15 | 27°45 | W11 |
| T 12 | 13 39 40 | 26°36'23 | 16°30 | 29°56 | 16°41 | 6°29 | 4°58 | 28°50 | 12°26 | 11°40 | 13°56 | 18°53 | 18°12 | 21°21 | 27°41 | T 12 |
| F 13 | 13 43 37 | 27°34'28 | 29°13 | 1♈ 1 | 17°54 | 7° 2 | 5° 9 | 28°57 | 12°24 | 11°38 | 13°56 | 18°47 | 18° 9 | 21°28 | 27°37 | F 13 |
| S 14 | 13 47 34 | 28°32'32 | 11♑35 | 2° 9 | 19° 7 | 7°34 | 5°21 | 29° 4 | 12°21 | 11°36 | 13°56 | 18°43 | 18° 6 | 21°35 | 27°34 | S 14 |
| S 15 | 13 51 30 | 29°30'34 | 23°41 | 3°20 | 20°21 | 8° 7 | 5°32 | 29°10 | 12°19 | 11°35 | 13°55 | 18°42 | 18° 2 | 21°41 | 27°30 | S 15 |
| M16 | 13 55 27 | 0♉28'35 | 5♒35 | 4°33 | 21°34 | 8°40 | 5°43 | 29°17 | 12°17 | 11°33 | 13°55 | 18°D42 | 17°59 | 21°48 | 27°27 | M16 |
| T 17 | 13 59 23 | 1°26'34 | 17°23 | 5°49 | 22°47 | 9°12 | 5°54 | 29°24 | 12°14 | 11°32 | 13°55 | 18°R42 | 17°56 | 21°55 | 27°23 | T 17 |
| W18 | 14 3 20 | 2°24'32 | 29°11 | 7° 7 | 24° 0 | 9°45 | 6° 5 | 29°31 | 12°12 | 11°30 | 13°55 | 18°42 | 17°53 | 22° 1 | 27°20 | W18 |
| T 19 | 14 7 16 | 3°22'29 | 11♓ 4 | 8°27 | 25°13 | 10°18 | 6°16 | 29°38 | 12°10 | 11°29 | 13°55 | 18°40 | 17°50 | 22° 8 | 27°17 | T 19 |
| F 20 | 14 11 13 | 4°20'24 | 23° 6 | 9°50 | 26°27 | 10°51 | 6°27 | 29°44 | 12° 7 | 11°27 | 13°55 | 18°35 | 17°46 | 22°15 | 27°14 | F 20 |
| S 21 | 14 15 9 | 5°18'18 | 5♈20 | 11°15 | 27°40 | 11°24 | 6°37 | 29°51 | 12° 5 | 11°26 | 13°D55 | 18°28 | 17°43 | 22°21 | 27°11 | S 21 |
| S 22 | 14 19 6 | 6°16'10 | 17°49 | 12°42 | 28°53 | 11°57 | 6°48 | 29°58 | 12° 3 | 11°24 | 13°55 | 18°18 | 17°40 | 22°28 | 27° 8 | S 22 |
| M23 | 14 23 2 | 7°14'01 | 0♉35 | 14°11 | 0♊ 6 | 12°31 | 6°58 | 0♈ 4 | 12° 0 | 11°23 | 13°55 | 18° 7 | 17°37 | 22°34 | 27° 5 | M23 |
| T 24 | 14 26 59 | 8°11'51 | 13°37 | 15°43 | 1°19 | 13° 4 | 7° 9 | 0°11 | 11°58 | 11°21 | 13°55 | 17°54 | 17°34 | 22°41 | 27° 2 | T 24 |
| W25 | 14 30 56 | 9° 9'39 | 26°54 | 17°17 | 2°32 | 13°37 | 7°19 | 0°17 | 11°56 | 11°20 | 13°55 | 17°42 | 17°31 | 22°48 | 27° 0 | W25 |
| T 26 | 14 34 52 | 10° 7'26 | 10♊25 | 18°52 | 3°45 | 14°11 | 7°29 | 0°24 | 11°54 | 11°19 | 13°55 | 17°31 | 17°27 | 22°54 | 26°57 | T 26 |
| F 27 | 14 38 49 | 11° 5'11 | 24° 5 | 20°30 | 4°58 | 14°44 | 7°39 | 0°30 | 11°52 | 11°17 | 13°55 | 17°23 | 17°24 | 23° 1 | 26°55 | F 27 |
| S 28 | 14 42 45 | 12° 2'54 | 7♋55 | 22°11 | 6°10 | 15°18 | 7°49 | 0°36 | 11°50 | 11°16 | 13°56 | 17°17 | 17°21 | 23° 8 | 26°52 | S 28 |
| S 29 | 14 46 42 | 13° 0'36 | 21°51 | 23°53 | 7°23 | 15°52 | 7°59 | 0°43 | 11°48 | 11°15 | 13°56 | 17°14 | 17°18 | 23°14 | 26°50 | S 29 |
| M30 | 14 50 38 | 13♉58'16 | 5♌52 | 25♈37 | 8♊36 | 16♋25 | 8♓ 9 | 0♈49 | 11♎45 | 11♎13 | 13♌56 | 17♒13 | 17♒15 | 23♒21 | 26♍48 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n18 | 26n19 | 3n13 | 4s46 | 1s29 | 12n25 | 0s15 | 25n29 | 1n54 | 11s27 | 0s59 | 2s59 | 2s10 | 4s30 | 0n40 | 3s 4 | 1n50 | 27n24 | 11n12 | 14s57 | 15s17 | 14s44 | 2s52 | 3s49 |
| M 2 | 6 41 | 23 22 | 2 9 | 4 45 | 1 40 | 12 52 | 0 13 | 25 28 | 1 54 | 11 23 | 0 59 | 2 56 | 2 10 | 4 29 | 0 40 | 3 3 | 1 50 | 27 24 | 11 12 | 14 57 | 15 18 | 14 41 | 2 50 | 3 49 |
| T 3 | 7 3 | 18 59 | 0 57 | 4 41 | 1 50 | 13 19 | 0 10 | 25 27 | 1 53 | 11 19 | 0 59 | 2 53 | 2 10 | 4 28 | 0 40 | 3 3 | 1 50 | 27 24 | 11 12 | 14 57 | 15 19 | 14 38 | 2 48 | 3 49 |
| W 4 | 7 25 | 13 26 | 0s20 | 4 36 | 1 59 | 13 46 | 0 8 | 25 26 | 1 53 | 11 15 | 0 59 | 2 50 | 2 10 | 4 27 | 0 40 | 3 2 | 1 50 | 27 24 | 11 12 | 14 57 | 15 20 | 14 35 | 2 46 | 3 48 |
| T 5 | 7 48 | 7 6 | 1 36 | 4 28 | 2 8 | 14 12 | 0 5 | 25 25 | 1 52 | 11 10 | 1 0 | 2 48 | 2 10 | 4 26 | 0 40 | 3 2 | 1 50 | 27 24 | 11 12 | 14 57 | 15 21 | 14 32 | 2 44 | 3 48 |
| F 6 | 8 10 | 0 22 | 2 46 | 4 18 | 2 16 | 14 39 | 0 3 | 25 23 | 1 51 | 11 6 | 1 0 | 2 45 | 2 10 | 4 25 | 0 40 | 3 1 | 1 50 | 27 24 | 11 11 | 14 58 | 15 22 | 14 29 | 2 42 | 3 47 |
| S 7 | 8 32 | 6s21 | 3 45 | 4 5 | 2 23 | 15 4 | 0 0 | 25 22 | 1 51 | 11 2 | 1 0 | 2 42 | 2 11 | 4 24 | 0 40 | 3 0 | 1 50 | 27 24 | 11 11 | 15 0 | 15 23 | 14 27 | 2 40 | 3 47 |
| S 8 | 8 53 | 12 41 | 4 29 | 3 51 | 2 29 | 15 30 | 0n 3 | 25 20 | 1 50 | 10 58 | 1 0 | 2 39 | 2 11 | 4 23 | 0 40 | 3 0 | 1 50 | 27 24 | 11 11 | 15 3 | 15 24 | 14 24 | 2 38 | 3 46 |
| M 9 | 9 15 | 18 14 | 4 55 | 3 35 | 2 35 | 15 55 | 0 5 | 25 19 | 1 50 | 10 54 | 1 0 | 2 36 | 2 11 | 4 22 | 0 40 | 2 59 | 1 50 | 27 24 | 11 11 | 15 6 | 15 25 | 14 21 | 2 36 | 3 46 |
| T 10 | 9 37 | 22 40 | 5 3 | 3 17 | 2 40 | 16 19 | 0 8 | 25 17 | 1 49 | 10 49 | 1 0 | 2 34 | 2 11 | 4 21 | 0 40 | 2 58 | 1 50 | 27 24 | 11 10 | 15 9 | 15 26 | 14 18 | 2 34 | 3 45 |
| W11 | 9 58 | 25 46 | 4 54 | 2 57 | 2 44 | 16 44 | 0 10 | 25 15 | 1 49 | 10 45 | 1 1 | 2 31 | 2 11 | 4 21 | 0 40 | 2 58 | 1 50 | 27 24 | 11 10 | 15 13 | 15 27 | 14 15 | 2 32 | 3 45 |
| T 12 | 10 19 | 27 21 | 4 29 | 2 35 | 2 48 | 17 7 | 0 13 | 25 13 | 1 48 | 10 41 | 1 1 | 2 28 | 2 11 | 4 20 | 0 40 | 2 57 | 1 50 | 27 23 | 11 10 | 15 15 | 15 28 | 14 12 | 2 30 | 3 44 |
| F 13 | 10 40 | 27 26 | 3 52 | 2 12 | 2 51 | 17 31 | 0 16 | 25 11 | 1 48 | 10 37 | 1 1 | 2 26 | 2 11 | 4 19 | 0 40 | 2 57 | 1 50 | 27 23 | 11 10 | 15 17 | 15 29 | 14 9 | 2 28 | 3 44 |
| S 14 | 11 1 | 26 7 | 3 4 | 1 47 | 2 53 | 17 54 | 0 18 | 25 8 | 1 47 | 10 33 | 1 1 | 2 23 | 2 11 | 4 18 | 0 40 | 2 56 | 1 50 | 27 23 | 11 9 | 15 18 | 15 30 | 14 6 | 2 26 | 3 43 |
| S 15 | 11 22 | 23 36 | 2 9 | 1 20 | 2 54 | 18 16 | 0 21 | 25 6 | 1 46 | 10 29 | 1 1 | 2 20 | 2 12 | 4 17 | 0 40 | 2 55 | 1 50 | 27 23 | 11 9 | 15 18 | 15 31 | 14 3 | 2 24 | 3 43 |
| M16 | 11 42 | 20 6 | 1 9 | 0 52 | 2 55 | 18 38 | 0 23 | 25 3 | 1 46 | 10 25 | 1 2 | 2 18 | 2 12 | 4 16 | 0 40 | 2 55 | 1 50 | 27 23 | 11 9 | 15 18 | 15 32 | 14 0 | 2 22 | 3 42 |
| T 17 | 12 3 | 15 49 | 0 7 | 0 22 | 2 56 | 19 0 | 0 26 | 25 0 | 1 45 | 10 21 | 1 2 | 2 15 | 2 12 | 4 15 | 0 40 | 2 54 | 1 50 | 27 22 | 11 9 | 15 18 | 15 33 | 13 57 | 2 20 | 3 42 |
| W18 | 12 23 | 10 57 | 0n55 | 0n 9 | 2 55 | 19 21 | 0 29 | 24 57 | 1 45 | 10 17 | 1 2 | 2 13 | 2 12 | 4 14 | 0 40 | 2 54 | 1 50 | 27 22 | 11 8 | 15 18 | 15 34 | 13 54 | 2 19 | 3 41 |
| T 19 | 12 43 | 5 40 | 1 56 | 0 42 | 2 55 | 19 41 | 0 31 | 24 54 | 1 44 | 10 14 | 1 2 | 2 10 | 2 12 | 4 13 | 0 40 | 2 53 | 1 50 | 27 22 | 11 8 | 15 19 | 15 35 | 13 51 | 2 17 | 3 40 |
| F 20 | 13 2 | 0 8 | 2 52 | 1 16 | 2 53 | 20 1 | 0 34 | 24 51 | 1 44 | 10 10 | 1 2 | 2 7 | 2 12 | 4 12 | 0 40 | 2 52 | 1 50 | 27 22 | 11 8 | 15 20 | 15 36 | 13 48 | 2 15 | 3 40 |
| S 21 | 13 22 | 5n30 | 3 41 | 1 51 | 2 51 | 20 20 | 0 36 | 24 48 | 1 43 | 10 6 | 1 3 | 2 5 | 2 12 | 4 11 | 0 40 | 2 52 | 1 50 | 27 22 | 11 8 | 15 23 | 15 37 | 13 45 | 2 13 | 3 39 |
| S 22 | 13 41 | 11 2 | 4 20 | 2 28 | 2 48 | 20 39 | 0 39 | 24 44 | 1 43 | 10 2 | 1 3 | 2 2 | 2 13 | 4 10 | 0 40 | 2 51 | 1 50 | 27 21 | 11 7 | 15 26 | 15 37 | 13 42 | 2 12 | 3 39 |
| M23 | 14 0 | 16 13 | 4 47 | 3 5 | 2 45 | 20 58 | 0 42 | 24 41 | 1 42 | 9 59 | 1 3 | 2 0 | 2 13 | 4 10 | 0 40 | 2 51 | 1 50 | 27 21 | 11 7 | 15 29 | 15 38 | 13 39 | 2 10 | 3 38 |
| T 24 | 14 19 | 20 47 | 5 0 | 3 44 | 2 41 | 21 16 | 0 44 | 24 37 | 1 42 | 9 55 | 1 3 | 1 57 | 2 13 | 4 9 | 0 40 | 2 50 | 1 50 | 27 21 | 11 7 | 15 33 | 15 39 | 13 36 | 2 8 | 3 38 |
| W25 | 14 38 | 24 23 | 4 57 | 4 24 | 2 37 | 21 33 | 0 47 | 24 33 | 1 41 | 9 51 | 1 4 | 1 55 | 2 13 | 4 8 | 0 40 | 2 50 | 1 50 | 27 21 | 11 7 | 15 37 | 15 40 | 13 33 | 2 7 | 3 37 |
| T 26 | 14 56 | 26 42 | 4 37 | 5 5 | 2 32 | 21 49 | 0 49 | 24 29 | 1 41 | 9 48 | 1 4 | 1 53 | 2 13 | 4 7 | 0 40 | 2 49 | 1 50 | 27 20 | 11 6 | 15 40 | 15 41 | 13 30 | 2 5 | 3 37 |
| F 27 | 15 14 | 27 28 | 4 2 | 5 48 | 2 26 | 22 5 | 0 52 | 24 25 | 1 40 | 9 44 | 1 4 | 1 50 | 2 13 | 4 6 | 0 40 | 2 49 | 1 50 | 27 20 | 11 6 | 15 43 | 15 42 | 13 27 | 2 4 | 3 36 |
| S 28 | 15 32 | 26 32 | 3 12 | 6 31 | 2 21 | 22 21 | 0 54 | 24 20 | 1 39 | 9 41 | 1 4 | 1 48 | 2 13 | 4 5 | 0 40 | 2 48 | 1 49 | 27 20 | 11 6 | 15 45 | 15 43 | 13 24 | 2 2 | 3 35 |
| S 29 | 15 50 | 23 56 | 2 10 | 7 15 | 2 14 | 22 36 | 0 56 | 24 16 | 1 39 | 9 37 | 1 4 | 1 45 | 2 14 | 4 5 | 0 40 | 2 48 | 1 49 | 27 19 | 11 6 | 15 45 | 15 44 | 13 21 | 2 1 | 3 35 |
| M30 | 16n 7 | 19n53 | 1n 0 | 7n59 | 2s 7 | 22n50 | 0n59 | 24n11 | 1n38 | 9s34 | 1s 5 | 1s43 | 2s14 | 4s 4 | 0n40 | 2s47 | 1n49 | 27n19 | 11n 5 | 15s46 | 15s45 | 13s18 | 1s59 | 3s34 |

Julian Day Number = 2073979.5, Delta T = 27m19s
Ecliptic obliquity = 23°34'31, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°19'59, Lahiri = 9°27'00 Julian Calendar 1 Apr. 966 == Greg. Calendar 6 Apr. 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## MAY 966 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 54 35 | 14♉55'55 | 19♌58 | 27♈24 | 9♊49 | 16♋59 | 8♓18 | 0♈55 | 11°R43 | 11°R12 | 13♌56 | 17°R13 | 17♒12 | 23♒28 | 26°R46 | T 1 |
| W 2 | 14 58 32 | 15°53'31 | 4♍ 7 | 29°12 | 11° 2 | 17°33 | 8°28 | 1° 1 | 11♎41 | 11♎11 | 13°57 | 17♒12 | 17° 8 | 23°34 | 26♍44 | W 2 |
| T 3 | 15 2 28 | 16°51'06 | 18°20 | 1♉ 3 | 12°14 | 18° 7 | 8°37 | 1° 7 | 11°40 | 11° 9 | 13°57 | 17°10 | 17° 5 | 23°41 | 26°42 | T 3 |
| F 4 | 15 6 25 | 17°48'40 | 2♎32 | 2°56 | 13°27 | 18°41 | 8°46 | 1°13 | 11°38 | 11° 8 | 13°58 | 17° 6 | 17° 2 | 23°48 | 26°40 | F 4 |
| S 5 | 15 10 21 | 18°46'12 | 16°42 | 4°51 | 14°40 | 19°15 | 8°55 | 1°19 | 11°36 | 11° 7 | 13°58 | 16°58 | 16°59 | 23°54 | 26°38 | S 5 |
| S 6 | 15 14 18 | 19°43'43 | 0♏45 | 6°48 | 15°52 | 19°49 | 9° 4 | 1°25 | 11°34 | 11° 6 | 13°58 | 16°49 | 16°56 | 24° 1 | 26°37 | S 6 |
| M 7 | 15 18 14 | 20°41'13 | 14°37 | 8°47 | 17° 5 | 20°23 | 9°13 | 1°31 | 11°32 | 11° 4 | 13°59 | 16°37 | 16°52 | 24° 8 | 26°35 | M 7 |
| T 8 | 15 22 11 | 21°38'41 | 28°14 | 10°48 | 18°17 | 20°58 | 9°22 | 1°37 | 11°30 | 11° 3 | 13°59 | 16°25 | 16°49 | 24°14 | 26°34 | T 8 |
| W 9 | 15 26 7 | 22°36'09 | 11♐32 | 12°51 | 19°30 | 21°32 | 9°30 | 1°42 | 11°29 | 11° 2 | 14° 0 | 16°14 | 16°46 | 24°21 | 26°33 | W 9 |
| T 10 | 15 30 4 | 23°33'35 | 24°30 | 14°56 | 20°42 | 22° 6 | 9°39 | 1°48 | 11°27 | 11° 1 | 14° 0 | 16° 4 | 16°43 | 24°27 | 26°32 | T 10 |
| F 11 | 15 34 1 | 24°31'01 | 7♑ 8 | 17° 2 | 21°54 | 22°41 | 9°47 | 1°53 | 11°25 | 11° 0 | 14° 1 | 15°56 | 16°40 | 24°34 | 26°31 | F 11 |
| S 12 | 15 37 57 | 25°28'26 | 19°28 | 19° 9 | 23° 7 | 23°15 | 9°55 | 1°59 | 11°24 | 10°59 | 14° 2 | 15°52 | 16°37 | 24°41 | 26°30 | S 12 |
| S 13 | 15 41 54 | 26°25'50 | 1♒34 | 21°18 | 24°19 | 23°50 | 10° 3 | 2° 4 | 11°22 | 10°58 | 14° 2 | 15°49 | 16°33 | 24°47 | 26°29 | S 13 |
| M14 | 15 45 50 | 27°23'13 | 13°28 | 23°28 | 25°31 | 24°24 | 10°11 | 2°10 | 11°21 | 10°57 | 14° 3 | 15°D48 | 16°30 | 24°54 | 26°28 | M14 |
| T 15 | 15 49 47 | 28°20'35 | 25°18 | 25°39 | 26°44 | 24°59 | 10°19 | 2°15 | 11°19 | 10°56 | 14° 4 | 15°R49 | 16°27 | 25° 1 | 26°28 | T 15 |
| W16 | 15 53 43 | 29°17'57 | 7♓ 7 | 27°51 | 27°56 | 25°33 | 10°27 | 2°20 | 11°18 | 10°55 | 14° 4 | 15°48 | 16°24 | 25° 7 | 26°27 | W16 |
| T 17 | 15 57 40 | 0♊15'18 | 19° 1 | 0♊ 3 | 29° 8 | 26° 8 | 10°34 | 2°26 | 11°16 | 10°54 | 14° 5 | 15°47 | 16°21 | 25°14 | 26°27 | T 17 |
| F 18 | 16 1 36 | 1°12'39 | 1♈ 6 | 2°15 | 0♋20 | 26°43 | 10°41 | 2°31 | 11°15 | 10°53 | 14° 6 | 15°43 | 16°18 | 25°21 | 26°26 | F 18 |
| S 19 | 16 5 33 | 2° 9'59 | 13°26 | 4°27 | 1°32 | 27°18 | 10°49 | 2°36 | 11°14 | 10°52 | 14° 7 | 15°37 | 16°14 | 25°27 | 26°26 | S 19 |
| S 20 | 16 9 30 | 3° 7'19 | 26° 5 | 6°38 | 2°44 | 27°53 | 10°56 | 2°41 | 11°12 | 10°51 | 14° 7 | 15°29 | 16°11 | 25°34 | 26°D26 | S 20 |
| M21 | 16 13 26 | 4° 4'37 | 9♉ 3 | 8°48 | 3°56 | 28°28 | 11° 2 | 2°46 | 11°11 | 10°50 | 14° 8 | 15°19 | 16° 8 | 25°41 | 26°26 | M21 |
| T 22 | 16 17 23 | 5° 1'56 | 22°22 | 10°58 | 5° 8 | 29° 3 | 11° 9 | 2°50 | 11°10 | 10°50 | 14° 9 | 15° 8 | 16° 5 | 25°47 | 26°26 | T 22 |
| W23 | 16 21 19 | 5°59'14 | 6♊ 1 | 13° 7 | 6°20 | 29°38 | 11°16 | 2°55 | 11° 9 | 10°49 | 14°10 | 14°57 | 16° 2 | 25°54 | 26°27 | W23 |
| T 24 | 16 25 16 | 6°56'31 | 19°55 | 15°14 | 7°32 | 0♌13 | 11°22 | 3° 0 | 11° 8 | 10°48 | 14°11 | 14°47 | 15°58 | 26° 1 | 26°27 | T 24 |
| F 25 | 16 29 12 | 7°53'47 | 4♋ 1 | 17°19 | 8°44 | 0°48 | 11°28 | 3° 5 | 11° 7 | 10°47 | 14°12 | 14°39 | 15°55 | 26° 7 | 26°28 | F 25 |
| S 26 | 16 33 9 | 8°51'03 | 18°14 | 19°23 | 9°55 | 1°24 | 11°35 | 3° 9 | 11° 6 | 10°47 | 14°13 | 14°34 | 15°52 | 26°14 | 26°28 | S 26 |
| S 27 | 16 37 5 | 9°48'18 | 2♌30 | 21°25 | 11° 7 | 1°59 | 11°41 | 3°14 | 11° 5 | 10°46 | 14°14 | 14°32 | 15°49 | 26°20 | 26°29 | S 27 |
| M28 | 16 41 2 | 10°45'32 | 16°45 | 23°25 | 12°19 | 2°34 | 11°46 | 3°18 | 11° 4 | 10°45 | 14°15 | 14°D31 | 15°46 | 26°27 | 26°30 | M28 |
| T 29 | 16 44 59 | 11°42'46 | 0♍58 | 25°22 | 13°31 | 3°10 | 11°52 | 3°22 | 11° 3 | 10°45 | 14°16 | 14°32 | 15°43 | 26°34 | 26°31 | T 29 |
| W30 | 16 48 55 | 12°39'58 | 15° 6 | 27°18 | 14°42 | 3°45 | 11°57 | 3°26 | 11° 2 | 10°44 | 14°17 | 14°R32 | 15°39 | 26°40 | 26°32 | W30 |
| T 31 | 16 52 52 | 13♊37'10 | 29♍ 8 | 29♊12 | 15♋54 | 4♌21 | 12♓ 3 | 3♈30 | 11♎ 1 | 10♎44 | 14♌18 | 14♒31 | 15♒36 | 26♒47 | 26♍33 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n24 | 14n41 | 0s15 | 8n45 | 2s 0 | 23n 3 | 1n 1 | 24n 6 | 1n38 | 9s30 | 1s 5 | 1s41 | 2s14 | 4s 3 | 0n40 | 2s47 | 1n49 | 27n19 | 11n 5 | 15s46 | 15s46 | 13s15 | 1s58 | 3s34 |
| W 2 | 16 41 | 8 41 | 1 28 | 9 31 | 1 52 | 23 16 | 1 3 | 24 1 | 1 37 | 9 27 | 1 5 | 1 39 | 2 14 | 4 2 | 0 40 | 2 46 | 1 49 | 27 18 | 11 5 | 15 46 | 15 47 | 13 12 | 1 57 | 3 33 |
| T 3 | 16 58 | 2 15 | 2 37 | 10 18 | 1 43 | 23 28 | 1 6 | 23 56 | 1 37 | 9 24 | 1 5 | 1 36 | 2 14 | 4 2 | 0 40 | 2 46 | 1 49 | 27 18 | 11 5 | 15 47 | 15 48 | 13 9 | 1 55 | 3 32 |
| F 4 | 17 14 | 4s18 | 3 35 | 11 5 | 1 34 | 23 40 | 1 8 | 23 51 | 1 36 | 9 20 | 1 6 | 1 34 | 2 15 | 4 1 | 0 40 | 2 45 | 1 49 | 27 18 | 11 4 | 15 48 | 15 49 | 13 6 | 1 54 | 3 32 |
| S 5 | 17 30 | 10 36 | 4 20 | 11 52 | 1 25 | 23 51 | 1 10 | 23 46 | 1 36 | 9 17 | 1 6 | 1 32 | 2 15 | 4 0 | 0 40 | 2 45 | 1 49 | 27 17 | 11 4 | 15 50 | 15 50 | 13 3 | 1 53 | 3 31 |
| S 6 | 17 46 | 16 18 | 4 49 | 12 40 | 1 16 | 24 1 | 1 12 | 23 40 | 1 35 | 9 14 | 1 6 | 1 30 | 2 15 | 3 59 | 0 40 | 2 44 | 1 49 | 27 17 | 11 4 | 15 53 | 15 51 | 12 59 | 1 52 | 3 30 |
| M 7 | 18 2 | 21 5 | 5 0 | 13 28 | 1 6 | 24 11 | 1 15 | 23 35 | 1 35 | 9 11 | 1 6 | 1 28 | 2 15 | 3 59 | 0 40 | 2 44 | 1 49 | 27 17 | 11 4 | 15 57 | 15 52 | 12 56 | 1 51 | 3 30 |
| T 8 | 18 17 | 24 39 | 4 54 | 14 16 | 0 56 | 24 20 | 1 17 | 23 29 | 1 34 | 9 8 | 1 7 | 1 25 | 2 15 | 3 58 | 0 40 | 2 44 | 1 49 | 27 16 | 11 3 | 16 0 | 15 53 | 12 53 | 1 49 | 3 29 |
| W 9 | 18 32 | 26 47 | 4 32 | 15 4 | 0 45 | 24 28 | 1 19 | 23 23 | 1 34 | 9 5 | 1 7 | 1 23 | 2 15 | 3 57 | 0 40 | 2 43 | 1 49 | 27 16 | 11 3 | 16 4 | 15 54 | 12 50 | 1 48 | 3 29 |
| T 10 | 18 46 | 27 24 | 3 56 | 15 51 | 0 35 | 24 35 | 1 21 | 23 17 | 1 33 | 9 2 | 1 7 | 1 21 | 2 16 | 3 57 | 0 40 | 2 43 | 1 49 | 27 15 | 11 3 | 16 7 | 15 55 | 12 47 | 1 47 | 3 28 |
| F 11 | 19 0 | 26 32 | 3 10 | 16 38 | 0 24 | 24 42 | 1 23 | 23 11 | 1 33 | 8 59 | 1 7 | 1 19 | 2 16 | 3 56 | 0 39 | 2 42 | 1 49 | 27 15 | 11 3 | 16 9 | 15 56 | 12 44 | 1 46 | 3 27 |
| S 12 | 19 14 | 24 23 | 2 15 | 17 24 | 0 14 | 24 48 | 1 25 | 23 4 | 1 32 | 8 56 | 1 8 | 1 17 | 2 16 | 3 56 | 0 39 | 2 42 | 1 49 | 27 14 | 11 2 | 16 10 | 15 57 | 12 41 | 1 45 | 3 27 |
| S 13 | 19 28 | 21 8 | 1 15 | 18 9 | 0 3 | 24 54 | 1 26 | 22 58 | 1 31 | 8 53 | 1 8 | 1 15 | 2 16 | 3 55 | 0 39 | 2 42 | 1 49 | 27 14 | 11 2 | 16 11 | 15 58 | 12 38 | 1 45 | 3 26 |
| M14 | 19 41 | 17 4 | 0 12 | 18 52 | 0n 8 | 24 58 | 1 28 | 22 51 | 1 31 | 8 51 | 1 8 | 1 13 | 2 16 | 3 54 | 0 39 | 2 41 | 1 49 | 27 14 | 11 2 | 16 11 | 15 59 | 12 35 | 1 44 | 3 25 |
| T 15 | 19 54 | 12 23 | 0n50 | 19 35 | 0 18 | 25 2 | 1 30 | 22 44 | 1 30 | 8 48 | 1 8 | 1 11 | 2 17 | 3 54 | 0 39 | 2 41 | 1 49 | 27 13 | 11 2 | 16 11 | 16 0 | 12 32 | 1 43 | 3 25 |
| W16 | 20 7 | 7 14 | 1 51 | 20 15 | 0 29 | 25 5 | 1 32 | 22 37 | 1 30 | 8 45 | 1 9 | 1 9 | 2 17 | 3 53 | 0 39 | 2 41 | 1 49 | 27 13 | 11 1 | 16 11 | 16 1 | 12 29 | 1 42 | 3 24 |
| T 17 | 20 19 | 1 49 | 2 47 | 20 54 | 0 39 | 25 8 | 1 33 | 22 30 | 1 29 | 8 43 | 1 9 | 1 7 | 2 17 | 3 53 | 0 39 | 2 40 | 1 49 | 27 12 | 11 1 | 16 12 | 16 2 | 12 26 | 1 41 | 3 24 |
| F 18 | 20 31 | 3n45 | 3 36 | 21 31 | 0 48 | 25 9 | 1 35 | 22 23 | 1 29 | 8 40 | 1 9 | 1 6 | 2 17 | 3 52 | 0 39 | 2 40 | 1 49 | 27 12 | 11 1 | 16 13 | 16 3 | 12 23 | 1 41 | 3 23 |
| S 19 | 20 43 | 9 16 | 4 16 | 22 6 | 0 58 | 25 10 | 1 37 | 22 16 | 1 28 | 8 38 | 1 10 | 1 4 | 2 18 | 3 52 | 0 39 | 2 40 | 1 49 | 27 11 | 11 1 | 16 15 | 16 4 | 12 20 | 1 40 | 3 22 |
| S 20 | 20 54 | 14 33 | 4 45 | 22 38 | 1 6 | 25 11 | 1 38 | 22 8 | 1 28 | 8 35 | 1 10 | 1 2 | 2 18 | 3 51 | 0 39 | 2 39 | 1 49 | 27 11 | 11 0 | 16 17 | 16 4 | 12 17 | 1 39 | 3 22 |
| M21 | 21 5 | 19 20 | 5 0 | 23 7 | 1 15 | 25 10 | 1 39 | 22 1 | 1 27 | 8 33 | 1 10 | 1 0 | 2 18 | 3 51 | 0 39 | 2 39 | 1 49 | 27 10 | 11 0 | 16 20 | 16 5 | 12 14 | 1 39 | 3 21 |
| T 22 | 21 15 | 23 17 | 5 0 | 23 34 | 1 22 | 25 9 | 1 41 | 21 53 | 1 27 | 8 30 | 1 10 | 0 59 | 2 18 | 3 51 | 0 39 | 2 39 | 1 49 | 27 10 | 11 0 | 16 23 | 16 6 | 12 11 | 1 38 | 3 20 |
| W23 | 21 26 | 26 4 | 4 42 | 23 59 | 1 29 | 25 7 | 1 42 | 21 45 | 1 26 | 8 28 | 1 11 | 0 57 | 2 18 | 3 50 | 0 39 | 2 38 | 1 49 | 27 9 | 11 0 | 16 27 | 16 7 | 12 8 | 1 38 | 3 20 |
| T 24 | 21 36 | 27 19 | 4 8 | 24 20 | 1 36 | 25 5 | 1 43 | 21 37 | 1 26 | 8 26 | 1 11 | 0 55 | 2 19 | 3 50 | 0 39 | 2 38 | 1 48 | 27 9 | 10 59 | 16 30 | 16 8 | 12 4 | 1 37 | 3 19 |
| F 25 | 21 45 | 26 49 | 3 18 | 24 39 | 1 41 | 25 1 | 1 44 | 21 29 | 1 25 | 8 24 | 1 11 | 0 54 | 2 19 | 3 49 | 0 39 | 2 38 | 1 48 | 27 8 | 10 59 | 16 32 | 16 9 | 12 1 | 1 37 | 3 18 |
| S 26 | 21 54 | 24 34 | 2 15 | 24 55 | 1 46 | 24 57 | 1 45 | 21 20 | 1 25 | 8 22 | 1 11 | 0 52 | 2 19 | 3 49 | 0 39 | 2 38 | 1 48 | 27 8 | 10 59 | 16 33 | 16 10 | 11 58 | 1 37 | 3 18 |
| S 27 | 22 3 | 20 45 | 1 4 | 25 8 | 1 50 | 24 52 | 1 46 | 21 12 | 1 24 | 8 20 | 1 12 | 0 50 | 2 19 | 3 49 | 0 39 | 2 37 | 1 48 | 27 7 | 10 59 | 16 34 | 16 11 | 11 55 | 1 36 | 3 17 |
| M28 | 22 11 | 15 43 | 0s12 | 25 18 | 1 54 | 24 47 | 1 47 | 21 3 | 1 24 | 8 18 | 1 12 | 0 49 | 2 20 | 3 48 | 0 39 | 2 37 | 1 48 | 27 7 | 10 59 | 16 34 | 16 12 | 11 52 | 1 36 | 3 16 |
| T 29 | 22 19 | 9 51 | 1 27 | 25 26 | 1 57 | 24 41 | 1 48 | 20 54 | 1 23 | 8 16 | 1 12 | 0 47 | 2 20 | 3 48 | 0 39 | 2 37 | 1 48 | 27 6 | 10 58 | 16 34 | 16 13 | 11 49 | 1 36 | 3 16 |
| W30 | 22 27 | 3 31 | 2 36 | 25 32 | 1 59 | 24 34 | 1 49 | 20 46 | 1 22 | 8 14 | 1 13 | 0 46 | 2 20 | 3 48 | 0 39 | 2 37 | 1 48 | 27 6 | 10 58 | 16 34 | 16 14 | 11 46 | 1 36 | 3 15 |
| T 31 | 22n34 | 2s56 | 3s35 | 25n34 | 2n 0 | 24n26 | 1n50 | 20n37 | 1n22 | 8s12 | 1s13 | 0s45 | 2s20 | 3s47 | 0n39 | 2s37 | 1n48 | 27n 5 | 10n58 | 16s34 | 16s15 | 11s43 | 1s36 | 3s15 |

Julian Day Number = 2074009.5, Delta T = 27m19s
Ecliptic obliquity = 23°34'30, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'03, Lahiri = 9°27'04 Julian Calendar 1 May 966 == Greg. Calendar 6 May 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## JUNE 966 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 56 48 | 14♊34'21 | 13♎ 4 | 1♋ 3 | 17♋ 5 | 4♌56 | 12♓ 8 | 3♈35 | 11°R 1 | 10°R43 | 14♌19 | 14°R28 | 15♒33 | 26♒54 | 26♍34 | F 1 |
| S 2 | 17 0 45 | 15°31'31 | 26°52 | 2°52 | 18°17 | 5°32 | 12°13 | 3°38 | 11♎ 0 | 10♎43 | 14°20 | 14♒23 | 15°30 | 27° 0 | 26°36 | S 2 |
| S 3 | 17 4 41 | 16°28'41 | 10♏30 | 4°39 | 19°28 | 6° 7 | 12°17 | 3°42 | 10°59 | 10°42 | 14°22 | 14°15 | 15°27 | 27° 7 | 26°37 | S 3 |
| M 4 | 17 8 38 | 17°25'51 | 23°57 | 6°24 | 20°39 | 6°43 | 12°22 | 3°46 | 10°59 | 10°42 | 14°23 | 14° 6 | 15°24 | 27°14 | 26°39 | M 4 |
| T 5 | 17 12 34 | 18°23'00 | 7♐10 | 8° 6 | 21°50 | 7°19 | 12°27 | 3°50 | 10°58 | 10°41 | 14°24 | 13°57 | 15°20 | 27°20 | 26°41 | T 5 |
| W 6 | 17 16 31 | 19°20'09 | 20° 8 | 9°47 | 23° 2 | 7°55 | 12°31 | 3°53 | 10°58 | 10°41 | 14°25 | 13°48 | 15°17 | 27°27 | 26°43 | W 6 |
| T 7 | 17 20 28 | 20°17'18 | 2♑51 | 11°24 | 24°13 | 8°30 | 12°35 | 3°57 | 10°58 | 10°41 | 14°27 | 13°40 | 15°14 | 27°34 | 26°45 | T 7 |
| F 8 | 17 24 24 | 21°14'26 | 15°19 | 13° 0 | 25°24 | 9° 6 | 12°39 | 4° 0 | 10°57 | 10°40 | 14°28 | 13°34 | 15°11 | 27°40 | 26°47 | F 8 |
| S 9 | 17 28 21 | 22°11'35 | 27°32 | 14°33 | 26°35 | 9°42 | 12°42 | 4° 4 | 10°57 | 10°40 | 14°29 | 13°31 | 15° 8 | 27°47 | 26°49 | S 9 |
| S 10 | 17 32 17 | 23° 8'43 | 9♒33 | 16° 4 | 27°46 | 10°18 | 12°46 | 4° 7 | 10°57 | 10°40 | 14°30 | 13°D30 | 15° 4 | 27°54 | 26°51 | S 10 |
| M11 | 17 36 14 | 24° 5'52 | 21°26 | 17°33 | 28°57 | 10°54 | 12°49 | 4°10 | 10°57 | 10°39 | 14°32 | 13°30 | 15° 1 | 28° 0 | 26°53 | M11 |
| T 12 | 17 40 10 | 25° 3'01 | 3♓15 | 18°59 | 0♌ 8 | 11°30 | 12°53 | 4°13 | 10°56 | 10°39 | 14°33 | 13°31 | 14°58 | 28° 7 | 26°56 | T 12 |
| W13 | 17 44 7 | 26° 0'10 | 15° 4 | 20°23 | 1°18 | 12° 6 | 12°56 | 4°16 | 10°56 | 10°39 | 14°35 | 13°32 | 14°55 | 28°14 | 26°59 | W13 |
| T 14 | 17 48 4 | 26°57'19 | 26°59 | 21°45 | 2°29 | 12°43 | 12°58 | 4°19 | 10°D56 | 10°39 | 14°36 | 13°R33 | 14°52 | 28°20 | 27° 1 | T 14 |
| F 15 | 17 52 0 | 27°54'28 | 9♈ 5 | 23° 4 | 3°40 | 13°19 | 13° 1 | 4°22 | 10°56 | 10°39 | 14°37 | 13°32 | 14°49 | 28°27 | 27° 4 | F 15 |
| S 16 | 17 55 57 | 28°51'38 | 21°26 | 24°20 | 4°51 | 13°55 | 13° 3 | 4°25 | 10°56 | 10°39 | 14°39 | 13°30 | 14°45 | 28°33 | 27° 7 | S 16 |
| S 17 | 17 59 53 | 29°48'49 | 4♉ 7 | 25°34 | 6° 1 | 14°31 | 13° 6 | 4°27 | 10°56 | 10°D39 | 14°40 | 13°25 | 14°42 | 28°40 | 27°10 | S 17 |
| M18 | 18 3 50 | 0♋46'00 | 17°11 | 26°46 | 7°12 | 15° 8 | 13° 8 | 4°30 | 10°57 | 10°39 | 14°42 | 13°20 | 14°39 | 28°47 | 27°13 | M18 |
| T 19 | 18 7 46 | 1°43'11 | 0♊40 | 27°55 | 8°22 | 15°44 | 13°10 | 4°32 | 10°57 | 10°39 | 14°43 | 13°13 | 14°36 | 28°53 | 27°16 | T 19 |
| W20 | 18 11 43 | 2°40'23 | 14°31 | 29° 1 | 9°32 | 16°21 | 13°11 | 4°35 | 10°57 | 10°39 | 14°45 | 13° 7 | 14°33 | 29° 0 | 27°20 | W20 |
| T 21 | 18 15 39 | 3°37'35 | 28°44 | 0♌ 4 | 10°43 | 16°57 | 13°13 | 4°37 | 10°58 | 10°39 | 14°46 | 13° 1 | 14°30 | 29° 7 | 27°23 | T 21 |
| F 22 | 18 19 36 | 4°34'47 | 13♋12 | 1° 4 | 11°53 | 17°34 | 13°14 | 4°39 | 10°58 | 10°39 | 14°48 | 12°57 | 14°26 | 29°13 | 27°27 | F 22 |
| S 23 | 18 23 33 | 5°32'00 | 27°49 | 2° 1 | 13° 3 | 18°10 | 13°15 | 4°41 | 10°58 | 10°39 | 14°50 | 12°54 | 14°23 | 29°20 | 27°30 | S 23 |
| S 24 | 18 27 29 | 6°29'13 | 12♌29 | 2°55 | 14°13 | 18°47 | 13°16 | 4°43 | 10°59 | 10°40 | 14°51 | 12°D53 | 14°20 | 29°27 | 27°34 | S 24 |
| M25 | 18 31 26 | 7°26'26 | 27° 6 | 3°46 | 15°23 | 19°24 | 13°17 | 4°45 | 10°59 | 10°40 | 14°53 | 12°54 | 14°17 | 29°33 | 27°38 | M25 |
| T 26 | 18 35 22 | 8°23'39 | 11♍35 | 4°33 | 16°33 | 20° 0 | 13°17 | 4°47 | 11° 0 | 10°40 | 14°55 | 12°55 | 14°14 | 29°40 | 27°42 | T 26 |
| W27 | 18 39 19 | 9°20'52 | 25°53 | 5°17 | 17°43 | 20°37 | 13°18 | 4°48 | 11° 1 | 10°40 | 14°56 | 12°57 | 14°10 | 29°47 | 27°46 | W27 |
| T 28 | 18 43 15 | 10°18'05 | 9♎56 | 5°57 | 18°53 | 21°14 | 13°R18 | 4°50 | 11° 1 | 10°41 | 14°58 | 12°R57 | 14° 7 | 29°53 | 27°50 | T 28 |
| F 29 | 18 47 12 | 11°15'19 | 23°45 | 6°34 | 20° 2 | 21°51 | 13°18 | 4°51 | 11° 2 | 10°41 | 15° 0 | 12°56 | 14° 4 | 29°59 | 27°54 | F 29 |
| S 30 | 18 51 8 | 12♋12'33 | 7♏19 | 7♌ 6 | 21♌12 | 22♌28 | 13♓17 | 4♈53 | 11♎ 3 | 10♎41 | 15♌ 1 | 12♒54 | 14♒ 1 | 0♓ 7 | 27♍58 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n41 | 9s11 | 4s21 | 25n35 | 2n 1 | 24n18 | 1n50 | 20n27 | 1n21 | 8s11 | 1s13 | 0s43 | 2s21 | 3s47 | 0n39 | 2s37 | 1n48 | 27n 5 | 10n58 | 16s35 | 16s16 | 11s40 | 1s36 | 3s14 |
| S 2 | 22 47 | 14 55 | 4 51 | 25 33 | 2 1 | 24 9 | 1 51 | 20 18 | 1 21 | 8 9 | 1 14 | 0 42 | 2 21 | 3 47 | 0 39 | 2 36 | 1 48 | 27 4 | 10 58 | 16 37 | 16 17 | 11 37 | 1 36 | 3 13 |
| S 3 | 22 53 | 19 52 | 5 4 | 25 29 | 2 0 | 23 59 | 1 51 | 20 9 | 1 20 | 8 7 | 1 14 | 0 41 | 2 21 | 3 47 | 0 39 | 2 36 | 1 48 | 27 4 | 10 57 | 16 39 | 16 18 | 11 34 | 1 36 | 3 13 |
| M 4 | 22 59 | 23 43 | 5 1 | 25 23 | 1 58 | 23 49 | 1 52 | 19 59 | 1 20 | 8 6 | 1 14 | 0 39 | 2 21 | 3 47 | 0 39 | 2 36 | 1 48 | 27 3 | 10 57 | 16 41 | 16 19 | 11 31 | 1 36 | 3 12 |
| T 5 | 23 4 | 26 14 | 4 41 | 25 15 | 1 56 | 23 38 | 1 52 | 19 50 | 1 19 | 8 5 | 1 14 | 0 38 | 2 22 | 3 46 | 0 39 | 2 36 | 1 48 | 27 2 | 10 57 | 16 44 | 16 20 | 11 27 | 1 36 | 3 11 |
| W 6 | 23 9 | 27 18 | 4 6 | 25 6 | 1 53 | 23 26 | 1 52 | 19 40 | 1 19 | 8 3 | 1 15 | 0 37 | 2 22 | 3 46 | 0 39 | 2 36 | 1 48 | 27 2 | 10 57 | 16 47 | 16 21 | 11 24 | 1 36 | 3 11 |
| T 7 | 23 13 | 26 53 | 3 21 | 24 54 | 1 50 | 23 14 | 1 52 | 19 30 | 1 18 | 8 2 | 1 15 | 0 36 | 2 22 | 3 46 | 0 39 | 2 36 | 1 48 | 27 1 | 10 57 | 16 49 | 16 22 | 11 21 | 1 36 | 3 10 |
| F 8 | 23 17 | 25 6 | 2 26 | 24 41 | 1 46 | 23 1 | 1 52 | 19 20 | 1 18 | 8 1 | 1 15 | 0 34 | 2 22 | 3 46 | 0 38 | 2 36 | 1 48 | 27 1 | 10 56 | 16 51 | 16 22 | 11 18 | 1 36 | 3 9 |
| S 9 | 23 21 | 22 10 | 1 25 | 24 27 | 1 41 | 22 48 | 1 52 | 19 10 | 1 17 | 7 59 | 1 16 | 0 33 | 2 23 | 3 46 | 0 38 | 2 36 | 1 48 | 27 0 | 10 56 | 16 52 | 16 23 | 11 15 | 1 37 | 3 9 |
| S 10 | 23 24 | 18 18 | 0 21 | 24 11 | 1 36 | 22 33 | 1 52 | 18 59 | 1 17 | 7 58 | 1 16 | 0 32 | 2 23 | 3 46 | 0 38 | 2 36 | 1 48 | 27 0 | 10 56 | 16 52 | 16 24 | 11 12 | 1 37 | 3 8 |
| M11 | 23 27 | 13 46 | 0n43 | 23 54 | 1 30 | 22 19 | 1 52 | 18 49 | 1 16 | 7 57 | 1 16 | 0 31 | 2 23 | 3 46 | 0 38 | 2 36 | 1 48 | 26 59 | 10 56 | 16 52 | 16 25 | 11 9 | 1 37 | 3 8 |
| T 12 | 23 29 | 8 45 | 1 45 | 23 36 | 1 24 | 22 3 | 1 52 | 18 38 | 1 16 | 7 56 | 1 17 | 0 30 | 2 23 | 3 46 | 0 38 | 2 36 | 1 48 | 26 58 | 10 56 | 16 52 | 16 26 | 11 6 | 1 38 | 3 7 |
| W13 | 23 31 | 3 25 | 2 42 | 23 17 | 1 17 | 21 47 | 1 51 | 18 28 | 1 15 | 7 56 | 1 17 | 0 29 | 2 24 | 3 46 | 0 38 | 2 36 | 1 47 | 26 58 | 10 56 | 16 51 | 16 27 | 11 3 | 1 38 | 3 6 |
| T 14 | 23 32 | 2n 3 | 3 33 | 22 57 | 1 9 | 21 31 | 1 51 | 18 17 | 1 15 | 7 55 | 1 17 | 0 28 | 2 24 | 3 46 | 0 38 | 2 36 | 1 47 | 26 57 | 10 55 | 16 51 | 16 28 | 11 0 | 1 39 | 3 6 |
| F 15 | 23 33 | 7 32 | 4 16 | 22 36 | 1 1 | 21 14 | 1 50 | 18 6 | 1 14 | 7 54 | 1 18 | 0 28 | 2 24 | 3 46 | 0 38 | 2 36 | 1 47 | 26 57 | 10 55 | 16 51 | 16 29 | 10 56 | 1 39 | 3 5 |
| S 16 | 23 34 | 12 50 | 4 47 | 22 14 | 0 52 | 20 56 | 1 50 | 17 55 | 1 14 | 7 53 | 1 18 | 0 27 | 2 25 | 3 46 | 0 38 | 2 36 | 1 47 | 26 56 | 10 55 | 16 52 | 16 30 | 10 53 | 1 40 | 3 4 |
| S 17 | 23 34 | 17 45 | 5 6 | 21 51 | 0 43 | 20 38 | 1 49 | 17 44 | 1 13 | 7 53 | 1 18 | 0 26 | 2 25 | 3 46 | 0 38 | 2 36 | 1 47 | 26 55 | 10 55 | 16 53 | 16 31 | 10 50 | 1 41 | 3 4 |
| M18 | 23 34 | 21 59 | 5 9 | 21 29 | 0 34 | 20 19 | 1 48 | 17 33 | 1 13 | 7 52 | 1 18 | 0 25 | 2 25 | 3 46 | 0 38 | 2 36 | 1 47 | 26 55 | 10 55 | 16 55 | 16 32 | 10 47 | 1 41 | 3 3 |
| T 19 | 23 34 | 25 13 | 4 56 | 21 5 | 0 24 | 20 0 | 1 47 | 17 21 | 1 12 | 7 52 | 1 19 | 0 25 | 2 25 | 3 46 | 0 38 | 2 36 | 1 47 | 26 54 | 10 55 | 16 57 | 16 33 | 10 44 | 1 42 | 3 3 |
| W20 | 23 33 | 27 3 | 4 25 | 20 42 | 0 14 | 19 40 | 1 46 | 17 10 | 1 11 | 7 52 | 1 19 | 0 24 | 2 26 | 3 47 | 0 38 | 2 36 | 1 47 | 26 54 | 10 54 | 16 59 | 16 34 | 10 41 | 1 43 | 3 2 |
| T 21 | 23 31 | 27 11 | 3 37 | 20 18 | 0 3 | 19 20 | 1 45 | 16 58 | 1 11 | 7 51 | 1 19 | 0 23 | 2 26 | 3 47 | 0 38 | 2 36 | 1 47 | 26 53 | 10 54 | 17 0 | 16 35 | 10 38 | 1 44 | 3 1 |
| F 22 | 23 30 | 25 29 | 2 35 | 19 54 | 0s 8 | 18 59 | 1 44 | 16 46 | 1 10 | 7 51 | 1 20 | 0 23 | 2 26 | 3 47 | 0 38 | 2 36 | 1 47 | 26 52 | 10 54 | 17 1 | 16 36 | 10 35 | 1 44 | 3 1 |
| S 23 | 23 28 | 22 3 | 1 21 | 19 30 | 0 20 | 18 38 | 1 42 | 16 35 | 1 10 | 7 51 | 1 20 | 0 22 | 2 27 | 3 47 | 0 38 | 2 36 | 1 47 | 26 52 | 10 54 | 17 2 | 16 36 | 10 31 | 1 45 | 3 0 |
| S 24 | 23 25 | 17 11 | 0 2 | 19 6 | 0 32 | 18 16 | 1 41 | 16 23 | 1 9 | 7 51 | 1 20 | 0 22 | 2 27 | 3 47 | 0 38 | 2 36 | 1 47 | 26 51 | 10 54 | 17 2 | 16 37 | 10 28 | 1 46 | 3 0 |
| M25 | 23 22 | 11 20 | 1s17 | 18 42 | 0 44 | 17 54 | 1 39 | 16 11 | 1 9 | 7 51 | 1 21 | 0 21 | 2 27 | 3 48 | 0 38 | 2 36 | 1 47 | 26 51 | 10 54 | 17 2 | 16 38 | 10 25 | 1 47 | 2 59 |
| T 26 | 23 18 | 4 56 | 2 30 | 18 19 | 0 57 | 17 31 | 1 38 | 15 58 | 1 8 | 7 51 | 1 21 | 0 21 | 2 27 | 3 48 | 0 38 | 2 37 | 1 47 | 26 50 | 10 54 | 17 2 | 16 39 | 10 22 | 1 48 | 2 59 |
| W27 | 23 15 | 1s37 | 3 33 | 17 55 | 1 10 | 17 8 | 1 36 | 15 46 | 1 8 | 7 51 | 1 21 | 0 20 | 2 28 | 3 48 | 0 38 | 2 37 | 1 47 | 26 49 | 10 54 | 17 1 | 16 40 | 10 19 | 1 49 | 2 58 |
| T 28 | 23 10 | 7 59 | 4 23 | 17 33 | 1 23 | 16 45 | 1 34 | 15 34 | 1 7 | 7 51 | 1 22 | 0 20 | 2 28 | 3 48 | 0 38 | 2 37 | 1 47 | 26 49 | 10 53 | 17 1 | 16 41 | 10 16 | 1 50 | 2 57 |
| F 29 | 23 6 | 13 50 | 4 56 | 17 11 | 1 36 | 16 21 | 1 32 | 15 21 | 1 7 | 7 52 | 1 22 | 0 20 | 2 28 | 3 49 | 0 38 | 2 37 | 1 47 | 26 48 | 10 53 | 17 1 | 16 42 | 10 13 | 1 52 | 2 57 |
| S 30 | 23n 1 | 18s56 | 5s11 | 16n50 | 1s50 | 15n56 | 1n30 | 15n 9 | 1n 6 | 7s52 | 1s22 | 0s19 | 2s29 | 3s49 | 0n38 | 2s37 | 1n47 | 26n47 | 10n53 | 17s 2 | 16s43 | 10s10 | 1s53 | 2s56 |

Julian Day Number = 2074040.5, Delta T = 27m18s
Ecliptic obliquity = 23°34'29, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'08, Lahiri = 9°27'08 Julian Calendar 1 June 966 == Greg. Calendar 6 June 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## JULY 966 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 55 5 | 13♋ 9'47 | 20♏39 | 7♌34 | 22♌21 | 23♌ 5 | 13°R17 | 4♈54 | 11♎ 4 | 10♎42 | 15♌ 3 | 12°R51 | 13♒58 | 0♓13 | 28♍ 3 | S 1 |
| M 2 | 18 59 2 | 14° 7'02 | 3♐44 | 7°58 | 23°31 | 23°42 | 13♓16 | 4°55 | 11° 5 | 10°42 | 15° 5 | 12♒47 | 13°55 | 0°20 | 28° 7 | M 2 |
| T 3 | 19 2 58 | 15° 4'17 | 16°35 | 8°17 | 24°40 | 24°19 | 13°15 | 4°56 | 11° 6 | 10°43 | 15° 6 | 12°43 | 13°51 | 0°27 | 28°12 | T 3 |
| W 4 | 19 6 55 | 16° 1'33 | 29°13 | 8°32 | 25°49 | 24°56 | 13°14 | 4°57 | 11° 7 | 10°43 | 15° 8 | 12°38 | 13°48 | 0°33 | 28°16 | W 4 |
| T 5 | 19 10 51 | 16°58'49 | 11♉38 | 8°42 | 26°58 | 25°33 | 13°13 | 4°58 | 11° 8 | 10°44 | 15°10 | 12°35 | 13°45 | 0°40 | 28°21 | T 5 |
| F 6 | 19 14 48 | 17°56'06 | 23°52 | 8°47 | 28° 7 | 26°10 | 13°12 | 4°58 | 11° 9 | 10°45 | 15°12 | 12°33 | 13°42 | 0°46 | 28°26 | F 6 |
| S 7 | 19 18 44 | 18°53'24 | 5♒56 | 8°R47 | 29°16 | 26°47 | 13°10 | 4°59 | 11°10 | 10°45 | 15°14 | 12°31 | 13°39 | 0°53 | 28°31 | S 7 |
| S 8 | 19 22 41 | 19°50'43 | 17°51 | 8°42 | 0♍25 | 27°25 | 13° 8 | 5° 0 | 11°11 | 10°46 | 15°15 | 12°D31 | 13°36 | 1° 0 | 28°36 | S 8 |
| M 9 | 19 26 37 | 20°48'03 | 29°41 | 8°32 | 1°34 | 28° 2 | 13° 6 | 5° 0 | 11°12 | 10°46 | 15°17 | 12°32 | 13°32 | 1° 6 | 28°41 | M 9 |
| T 10 | 19 30 34 | 21°45'23 | 11♓29 | 8°17 | 2°43 | 28°39 | 13° 4 | 5° 0 | 11°14 | 10°47 | 15°19 | 12°34 | 13°29 | 1°13 | 28°46 | T 10 |
| W11 | 19 34 31 | 22°42'45 | 23°18 | 7°57 | 3°51 | 29°17 | 13° 2 | 5° 1 | 11°15 | 10°48 | 15°21 | 12°35 | 13°26 | 1°20 | 28°52 | W11 |
| T 12 | 19 38 27 | 23°40'08 | 5♈13 | 7°32 | 4°59 | 29°54 | 12°59 | 5° 1 | 11°17 | 10°49 | 15°23 | 12°37 | 13°23 | 1°26 | 28°57 | T 12 |
| F 13 | 19 42 24 | 24°37'32 | 17°19 | 7° 2 | 6° 8 | 0♍32 | 12°56 | 5°R 1 | 11°18 | 10°49 | 15°25 | 12°37 | 13°20 | 1°33 | 29° 2 | F 13 |
| S 14 | 19 46 20 | 25°34'57 | 29°39 | 6°28 | 7°16 | 1° 9 | 12°53 | 5° 1 | 11°20 | 10°50 | 15°26 | 12°R37 | 13°16 | 1°40 | 29° 8 | S 14 |
| S 15 | 19 50 17 | 26°32'24 | 12♉18 | 5°50 | 8°24 | 1°47 | 12°50 | 5° 0 | 11°21 | 10°51 | 15°28 | 12°37 | 13°13 | 1°46 | 29°13 | S 15 |
| M16 | 19 54 13 | 27°29'52 | 25°20 | 5° 9 | 9°32 | 2°24 | 12°47 | 5° 0 | 11°23 | 10°52 | 15°30 | 12°36 | 13°10 | 1°53 | 29°19 | M16 |
| T 17 | 19 58 10 | 28°27'21 | 8♊48 | 4°24 | 10°40 | 3° 2 | 12°43 | 5° 0 | 11°24 | 10°53 | 15°32 | 12°34 | 13° 7 | 2° 0 | 29°25 | T 17 |
| W18 | 20 2 6 | 29°24'52 | 22°42 | 3°38 | 11°48 | 3°40 | 12°39 | 4°59 | 11°26 | 10°54 | 15°34 | 12°32 | 13° 4 | 2° 6 | 29°31 | W18 |
| T 19 | 20 6 3 | 0♌22'24 | 7♋ 1 | 2°50 | 12°55 | 4°18 | 12°35 | 4°59 | 11°28 | 10°55 | 15°36 | 12°31 | 13° 1 | 2°13 | 29°37 | T 19 |
| F 20 | 20 10 0 | 1°19'58 | 21°41 | 2° 2 | 14° 3 | 4°55 | 12°31 | 4°58 | 11°30 | 10°56 | 15°38 | 12°30 | 12°57 | 2°20 | 29°43 | F 20 |
| S 21 | 20 13 56 | 2°17'32 | 6♌35 | 1°15 | 15°10 | 5°33 | 12°27 | 4°57 | 11°31 | 10°57 | 15°40 | 12°D29 | 12°54 | 2°26 | 29°49 | S 21 |
| S 22 | 20 17 53 | 3°15'08 | 21°36 | 0°28 | 16°17 | 6°11 | 12°23 | 4°56 | 11°33 | 10°58 | 15°42 | 12°29 | 12°51 | 2°33 | 29°55 | S 22 |
| M23 | 20 21 49 | 4°12'45 | 6♍36 | 29♋44 | 17°24 | 6°49 | 12°18 | 4°55 | 11°35 | 10°59 | 15°44 | 12°30 | 12°48 | 2°40 | 0♎ 1 | M23 |
| T 24 | 20 25 46 | 5°10'22 | 21°25 | 29° 3 | 18°31 | 7°27 | 12°13 | 4°54 | 11°37 | 11° 0 | 15°46 | 12°30 | 12°45 | 2°46 | 0° 7 | T 24 |
| W25 | 20 29 42 | 6° 8'01 | 5♎59 | 28°26 | 19°38 | 8° 5 | 12° 8 | 4°53 | 11°39 | 11° 1 | 15°47 | 12°31 | 12°42 | 2°53 | 0°14 | W25 |
| T 26 | 20 33 39 | 7° 5'41 | 20°13 | 27°54 | 20°45 | 8°44 | 12° 3 | 4°51 | 11°41 | 11° 3 | 15°49 | 12°31 | 12°38 | 3° 0 | 0°20 | T 26 |
| F 27 | 20 37 35 | 8° 3'22 | 4♏ 5 | 27°27 | 21°51 | 9°22 | 11°58 | 4°50 | 11°44 | 11° 4 | 15°51 | 12°R32 | 12°35 | 3° 6 | 0°27 | F 27 |
| S 28 | 20 41 32 | 9° 1'04 | 17°35 | 27° 6 | 22°58 | 10° 0 | 11°53 | 4°48 | 11°46 | 11° 5 | 15°53 | 12°31 | 12°32 | 3°13 | 0°33 | S 28 |
| S 29 | 20 45 29 | 9°58'48 | 0♐45 | 26°52 | 24° 4 | 10°38 | 11°47 | 4°47 | 11°48 | 11° 6 | 15°55 | 12°31 | 12°29 | 3°20 | 0°40 | S 29 |
| M30 | 20 49 25 | 10°56'32 | 13°36 | 26°D45 | 25°10 | 11°16 | 11°41 | 4°45 | 11°50 | 11° 8 | 15°57 | 12°31 | 12°26 | 3°26 | 0°46 | M30 |
| T 31 | 20 53 22 | 11♌54'18 | 26♐11 | 26♋46 | 26♍16 | 11♍55 | 11♓36 | 4♈43 | 11♎52 | 11♎ 9 | 15♌59 | 12♒31 | 12♒22 | 3♓33 | 0♎53 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n55 | 22s59 | 5s10 | 16n29 | 2s 4 | 15n32 | 1n28 | 14n56 | 1n 6 | 7s53 | 1s23 | 0s19 | 2s29 | 3s50 | 0n38 | 2s38 | 1n46 | 26n47 | 10n53 | 17s 3 | 16s44 | 10s 6 | 1s54 | 2s56 |
| M 2 | 22 49 | 25 48 | 4 52 | 16 10 | 2 17 | 15 7 | 1 26 | 14 43 | 1 5 | 7 53 | 1 23 | 0 19 | 2 29 | 3 50 | 0 38 | 2 38 | 1 46 | 26 46 | 10 53 | 17 4 | 16 45 | 10 3 | 1 55 | 2 55 |
| T 3 | 22 43 | 27 13 | 4 20 | 15 52 | 2 31 | 14 41 | 1 24 | 14 30 | 1 5 | 7 54 | 1 23 | 0 19 | 2 29 | 3 50 | 0 37 | 2 38 | 1 46 | 26 46 | 10 53 | 17 5 | 16 46 | 10 0 | 1 57 | 2 54 |
| W 4 | 22 36 | 27 10 | 3 36 | 15 35 | 2 45 | 14 16 | 1 22 | 14 17 | 1 4 | 7 54 | 1 24 | 0 19 | 2 30 | 3 51 | 0 37 | 2 38 | 1 46 | 26 45 | 10 53 | 17 7 | 16 47 | 9 57 | 1 58 | 2 54 |
| T 5 | 22 29 | 25 45 | 2 42 | 15 19 | 2 58 | 13 50 | 1 19 | 14 4 | 1 4 | 7 55 | 1 24 | 0 19 | 2 30 | 3 51 | 0 37 | 2 39 | 1 46 | 26 44 | 10 53 | 17 8 | 16 48 | 9 54 | 1 59 | 2 53 |
| F 6 | 22 22 | 23 7 | 1 41 | 15 5 | 3 11 | 13 23 | 1 17 | 13 51 | 1 3 | 7 56 | 1 24 | 0 19 | 2 30 | 3 52 | 0 37 | 2 39 | 1 46 | 26 44 | 10 53 | 17 8 | 16 48 | 9 51 | 2 1 | 2 53 |
| S 7 | 22 14 | 19 29 | 0 36 | 14 53 | 3 24 | 12 57 | 1 14 | 13 38 | 1 2 | 7 57 | 1 24 | 0 19 | 2 31 | 3 52 | 0 37 | 2 39 | 1 46 | 26 43 | 10 53 | 17 9 | 16 49 | 9 48 | 2 2 | 2 52 |
| S 8 | 22 6 | 15 6 | 0n29 | 14 42 | 3 37 | 12 30 | 1 11 | 13 25 | 1 2 | 7 58 | 1 25 | 0 19 | 2 31 | 3 53 | 0 37 | 2 39 | 1 46 | 26 42 | 10 53 | 17 9 | 16 50 | 9 44 | 2 4 | 2 52 |
| M 9 | 21 57 | 10 11 | 1 33 | 14 33 | 3 49 | 12 3 | 1 8 | 13 11 | 1 1 | 7 59 | 1 25 | 0 19 | 2 31 | 3 53 | 0 37 | 2 40 | 1 46 | 26 42 | 10 52 | 17 8 | 16 51 | 9 41 | 2 5 | 2 51 |
| T 10 | 21 48 | 4 56 | 2 33 | 14 26 | 4 0 | 11 35 | 1 6 | 12 58 | 1 1 | 8 0 | 1 25 | 0 19 | 2 31 | 3 54 | 0 37 | 2 40 | 1 46 | 26 41 | 10 52 | 17 8 | 16 52 | 9 38 | 2 7 | 2 51 |
| W11 | 21 39 | 0n29 | 3 27 | 14 21 | 4 11 | 11 7 | 1 3 | 12 44 | 1 0 | 8 1 | 1 26 | 0 19 | 2 32 | 3 54 | 0 37 | 2 40 | 1 46 | 26 41 | 10 52 | 17 8 | 16 53 | 9 35 | 2 9 | 2 50 |
| T 12 | 21 29 | 5 56 | 4 12 | 14 18 | 4 20 | 10 39 | 0 59 | 12 30 | 1 0 | 8 3 | 1 26 | 0 19 | 2 32 | 3 55 | 0 37 | 2 41 | 1 46 | 26 40 | 10 52 | 17 7 | 16 54 | 9 32 | 2 10 | 2 50 |
| F 13 | 21 19 | 11 14 | 4 46 | 14 17 | 4 29 | 10 11 | 0 56 | 12 16 | 0 59 | 8 4 | 1 26 | 0 20 | 2 32 | 3 56 | 0 37 | 2 41 | 1 46 | 26 39 | 10 52 | 17 7 | 16 55 | 9 29 | 2 12 | 2 49 |
| S 14 | 21 9 | 16 12 | 5 8 | 14 19 | 4 36 | 9 43 | 0 53 | 12 2 | 0 59 | 8 5 | 1 27 | 0 20 | 2 33 | 3 56 | 0 37 | 2 42 | 1 46 | 26 39 | 10 52 | 17 7 | 16 56 | 9 25 | 2 14 | 2 49 |
| S 15 | 20 58 | 20 37 | 5 16 | 14 22 | 4 42 | 9 14 | 0 50 | 11 48 | 0 58 | 8 7 | 1 27 | 0 20 | 2 33 | 3 57 | 0 37 | 2 42 | 1 46 | 26 38 | 10 52 | 17 7 | 16 57 | 9 22 | 2 15 | 2 48 |
| M16 | 20 47 | 24 12 | 5 9 | 14 28 | 4 46 | 8 45 | 0 46 | 11 34 | 0 58 | 8 8 | 1 27 | 0 21 | 2 33 | 3 58 | 0 37 | 2 42 | 1 46 | 26 37 | 10 52 | 17 7 | 16 58 | 9 19 | 2 17 | 2 47 |
| T 17 | 20 35 | 26 34 | 4 44 | 14 36 | 4 48 | 8 16 | 0 43 | 11 20 | 0 57 | 8 10 | 1 27 | 0 21 | 2 33 | 3 58 | 0 37 | 2 43 | 1 46 | 26 37 | 10 52 | 17 8 | 16 58 | 9 16 | 2 19 | 2 47 |
| W18 | 20 23 | 27 24 | 4 2 | 14 46 | 4 49 | 7 47 | 0 39 | 11 6 | 0 57 | 8 12 | 1 28 | 0 21 | 2 34 | 3 59 | 0 37 | 2 43 | 1 46 | 26 36 | 10 52 | 17 8 | 16 59 | 9 13 | 2 21 | 2 46 |
| T 19 | 20 11 | 26 27 | 3 4 | 14 57 | 4 48 | 7 17 | 0 35 | 10 52 | 0 56 | 8 14 | 1 28 | 0 22 | 2 34 | 4 0 | 0 37 | 2 44 | 1 45 | 26 36 | 10 52 | 17 9 | 17 0 | 9 10 | 2 23 | 2 46 |
| F 20 | 19 59 | 23 40 | 1 53 | 15 10 | 4 46 | 6 48 | 0 31 | 10 37 | 0 55 | 8 15 | 1 28 | 0 22 | 2 34 | 4 0 | 0 37 | 2 44 | 1 45 | 26 35 | 10 52 | 17 9 | 17 1 | 9 6 | 2 25 | 2 45 |
| S 21 | 19 46 | 19 16 | 0 33 | 15 25 | 4 41 | 6 18 | 0 28 | 10 23 | 0 55 | 8 17 | 1 29 | 0 23 | 2 34 | 4 1 | 0 37 | 2 45 | 1 45 | 26 34 | 10 52 | 17 9 | 17 2 | 9 3 | 2 27 | 2 45 |
| S 22 | 19 32 | 13 35 | 0s50 | 15 41 | 4 35 | 5 48 | 0 24 | 10 8 | 0 54 | 8 19 | 1 29 | 0 24 | 2 35 | 4 2 | 0 37 | 2 45 | 1 45 | 26 34 | 10 52 | 17 9 | 17 3 | 9 0 | 2 29 | 2 44 |
| M23 | 19 19 | 7 8 | 2 10 | 15 59 | 4 27 | 5 18 | 0 20 | 9 53 | 0 54 | 8 21 | 1 29 | 0 24 | 2 35 | 4 3 | 0 37 | 2 45 | 1 45 | 26 33 | 10 52 | 17 9 | 17 4 | 8 57 | 2 31 | 2 44 |
| T 24 | 19 5 | 0 22 | 3 20 | 16 17 | 4 17 | 4 48 | 0 15 | 9 39 | 0 53 | 8 23 | 1 29 | 0 25 | 2 35 | 4 4 | 0 37 | 2 46 | 1 45 | 26 33 | 10 52 | 17 9 | 17 5 | 8 54 | 2 33 | 2 43 |
| W25 | 18 51 | 6s18 | 4 15 | 16 35 | 4 5 | 4 18 | 0 11 | 9 24 | 0 53 | 8 26 | 1 30 | 0 26 | 2 36 | 4 4 | 0 37 | 2 46 | 1 45 | 26 32 | 10 52 | 17 9 | 17 6 | 8 51 | 2 35 | 2 43 |
| T 26 | 18 36 | 12 28 | 4 54 | 16 54 | 3 53 | 3 48 | 0 7 | 9 9 | 0 52 | 8 28 | 1 30 | 0 27 | 2 36 | 4 5 | 0 37 | 2 47 | 1 45 | 26 31 | 10 52 | 17 9 | 17 7 | 8 47 | 2 37 | 2 43 |
| F 27 | 18 21 | 17 52 | 5 14 | 17 13 | 3 39 | 3 17 | 0 3 | 8 54 | 0 52 | 8 30 | 1 30 | 0 27 | 2 36 | 4 6 | 0 37 | 2 47 | 1 45 | 26 31 | 10 52 | 17 9 | 17 8 | 8 44 | 2 39 | 2 42 |
| S 28 | 18 6 | 22 14 | 5 16 | 17 32 | 3 24 | 2 47 | 0s 2 | 8 39 | 0 51 | 8 32 | 1 30 | 0 28 | 2 36 | 4 7 | 0 37 | 2 48 | 1 45 | 26 30 | 10 52 | 17 9 | 17 8 | 8 41 | 2 41 | 2 42 |
| S 29 | 17 51 | 25 20 | 5 2 | 17 50 | 3 8 | 2 16 | 0 6 | 8 24 | 0 51 | 8 35 | 1 31 | 0 29 | 2 37 | 4 8 | 0 37 | 2 49 | 1 45 | 26 30 | 10 52 | 17 9 | 17 9 | 8 38 | 2 44 | 2 41 |
| M30 | 17 35 | 27 4 | 4 32 | 18 8 | 2 51 | 1 46 | 0 11 | 8 9 | 0 50 | 8 37 | 1 31 | 0 30 | 2 37 | 4 9 | 0 36 | 2 49 | 1 45 | 26 29 | 10 52 | 17 9 | 17 10 | 8 35 | 2 46 | 2 41 |
| T 31 | 17n19 | 27s21 | 3s50 | 18n24 | 2s34 | 1n15 | 0s16 | 7n54 | 0n50 | 8s40 | 1s31 | 0s31 | 2s37 | 4s10 | 0n36 | 2s50 | 1n45 | 26n28 | 10n52 | 17s 9 | 17s11 | 8s32 | 2s48 | 2s40 |

Julian Day Number = 2074070.5, Delta T = 27m18s
Ecliptic obliquity = 23°34'29, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'12, Lahiri = 9°27'12 Julian Calendar 1 July 966 == Greg. Calendar 6 July 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## AUGUST 966 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 57 18 | 12♌52'05 | 8♉32 | 26♋54 | 27♍22 | 12♍33 | 11°R30 | 4°R41 | 11♎55 | 11♎10 | 16♌ 1 | 12°D31 | 12♒19 | 3♓39 | 1♎ 0 | W 1 |
| T 2 | 21 1 15 | 13°49'53 | 20°42 | 27° 9 | 28°27 | 13°12 | 11♓23 | 4♈39 | 11°57 | 11°12 | 16° 3 | 12♒31 | 12°16 | 3°46 | 1° 7 | T 2 |
| F 3 | 21 5 11 | 14°47'43 | 2♒44 | 27°33 | 29°32 | 13°50 | 11°17 | 4°37 | 12° 0 | 11°13 | 16° 5 | 12°31 | 12°13 | 3°53 | 1°14 | F 3 |
| S 4 | 21 9 8 | 15°45'34 | 14°39 | 28° 4 | 0♎37 | 14°29 | 11°11 | 4°35 | 12° 2 | 11°15 | 16° 7 | 12°R31 | 12°10 | 3°59 | 1°21 | S 4 |
| S 5 | 21 13 5 | 16°43'26 | 26°29 | 28°43 | 1°42 | 15° 7 | 11° 4 | 4°33 | 12° 4 | 11°16 | 16° 9 | 12°31 | 12° 7 | 4° 6 | 1°28 | S 5 |
| M 6 | 21 17 1 | 17°41'20 | 8♓18 | 29°29 | 2°47 | 15°46 | 10°58 | 4°30 | 12° 7 | 11°17 | 16°11 | 12°31 | 12° 3 | 4°13 | 1°35 | M 6 |
| T 7 | 21 20 58 | 18°39'16 | 20° 6 | 0♌23 | 3°52 | 16°25 | 10°51 | 4°28 | 12°10 | 11°19 | 16°13 | 12°30 | 12° 0 | 4°19 | 1°42 | T 7 |
| W 8 | 21 24 54 | 19°37'14 | 1♈58 | 1°24 | 4°56 | 17° 3 | 10°44 | 4°25 | 12°12 | 11°20 | 16°15 | 12°29 | 11°57 | 4°26 | 1°49 | W 8 |
| T 9 | 21 28 51 | 20°35'13 | 13°55 | 2°31 | 6° 0 | 17°42 | 10°37 | 4°22 | 12°15 | 11°22 | 16°17 | 12°28 | 11°54 | 4°33 | 1°57 | T 9 |
| F 10 | 21 32 47 | 21°33'15 | 26° 2 | 3°45 | 7° 4 | 18°21 | 10°30 | 4°20 | 12°17 | 11°24 | 16°19 | 12°27 | 11°51 | 4°39 | 2° 4 | F 10 |
| S 11 | 21 36 44 | 22°31'18 | 8♉21 | 5° 5 | 8° 8 | 19° 0 | 10°23 | 4°17 | 12°20 | 11°25 | 16°21 | 12°26 | 11°47 | 4°46 | 2°11 | S 11 |
| S 12 | 21 40 40 | 23°29'23 | 20°58 | 6°30 | 9°11 | 19°39 | 10°15 | 4°14 | 12°23 | 11°27 | 16°23 | 12°D26 | 11°44 | 4°53 | 2°19 | S 12 |
| M13 | 21 44 37 | 24°27'31 | 3♊55 | 8° 0 | 10°14 | 20°18 | 10° 8 | 4°11 | 12°26 | 11°28 | 16°25 | 12°26 | 11°41 | 4°59 | 2°26 | M13 |
| T 14 | 21 48 33 | 25°25'40 | 17°15 | 9°35 | 11°17 | 20°57 | 10° 1 | 4° 8 | 12°29 | 11°30 | 16°27 | 12°27 | 11°38 | 5° 6 | 2°34 | T 14 |
| W15 | 21 52 30 | 26°23'52 | 1♋ 2 | 11°13 | 12°20 | 21°36 | 9°53 | 4° 5 | 12°31 | 11°32 | 16°29 | 12°28 | 11°35 | 5°13 | 2°41 | W15 |
| T 16 | 21 56 27 | 27°22'06 | 15°15 | 12°55 | 13°22 | 22°15 | 9°45 | 4° 1 | 12°34 | 11°34 | 16°31 | 12°29 | 11°32 | 5°19 | 2°49 | T 16 |
| F 17 | 22 0 23 | 28°20'21 | 29°53 | 14°40 | 14°24 | 22°54 | 9°38 | 3°58 | 12°37 | 11°35 | 16°33 | 12°30 | 11°28 | 5°26 | 2°57 | F 17 |
| S 18 | 22 4 20 | 29°18'39 | 14♌50 | 16°28 | 15°26 | 23°33 | 9°30 | 3°55 | 12°40 | 11°37 | 16°35 | 12°R30 | 11°25 | 5°33 | 3° 4 | S 18 |
| S 19 | 22 8 16 | 0♍16'58 | 29°59 | 18°17 | 16°28 | 24°13 | 9°22 | 3°51 | 12°43 | 11°39 | 16°37 | 12°29 | 11°22 | 5°39 | 3°12 | S 19 |
| M20 | 22 12 13 | 1°15'19 | 15♍13 | 20° 9 | 17°29 | 24°52 | 9°14 | 3°48 | 12°46 | 11°41 | 16°39 | 12°28 | 11°19 | 5°46 | 3°20 | M20 |
| T 21 | 22 16 9 | 2°13'42 | 0♎19 | 22° 1 | 18°30 | 25°31 | 9° 7 | 3°44 | 12°49 | 11°42 | 16°40 | 12°26 | 11°16 | 5°53 | 3°28 | T 21 |
| W22 | 22 20 6 | 3°12'07 | 15°10 | 23°54 | 19°31 | 26°11 | 8°59 | 3°40 | 12°52 | 11°44 | 16°42 | 12°23 | 11°13 | 5°59 | 3°36 | W22 |
| T 23 | 22 24 2 | 4°10'33 | 29°38 | 25°48 | 20°31 | 26°50 | 8°51 | 3°37 | 12°56 | 11°46 | 16°44 | 12°20 | 11° 9 | 6° 6 | 3°44 | T 23 |
| F 24 | 22 27 59 | 5° 9'01 | 13♏40 | 27°42 | 21°32 | 27°30 | 8°43 | 3°33 | 12°59 | 11°48 | 16°46 | 12°18 | 11° 6 | 6°13 | 3°52 | F 24 |
| S 25 | 22 31 56 | 6° 7'31 | 27°14 | 29°36 | 22°31 | 28° 9 | 8°35 | 3°29 | 13° 2 | 11°50 | 16°48 | 12°17 | 11° 3 | 6°19 | 4° 0 | S 25 |
| S 26 | 22 35 52 | 7° 6'03 | 10♐23 | 1♍29 | 23°31 | 28°49 | 8°27 | 3°25 | 13° 5 | 11°52 | 16°50 | 12°D17 | 11° 0 | 6°26 | 4° 8 | S 26 |
| M27 | 22 39 49 | 8° 4'36 | 23° 9 | 3°23 | 24°30 | 29°28 | 8°19 | 3°21 | 13° 8 | 11°54 | 16°52 | 12°17 | 10°57 | 6°33 | 4°16 | M27 |
| T 28 | 22 43 45 | 9° 3'11 | 5♉35 | 5°16 | 25°28 | 0♎ 8 | 8°11 | 3°17 | 13°12 | 11°56 | 16°54 | 12°19 | 10°53 | 6°39 | 4°24 | T 28 |
| W29 | 22 47 42 | 10° 1'47 | 17°47 | 7° 8 | 26°26 | 0°48 | 8° 3 | 3°13 | 13°15 | 11°58 | 16°56 | 12°21 | 10°50 | 6°46 | 4°32 | W29 |
| T 30 | 22 51 38 | 11° 0'26 | 29°47 | 9° 0 | 27°24 | 1°28 | 7°55 | 3° 9 | 13°18 | 12° 0 | 16°57 | 12°22 | 10°47 | 6°53 | 4°40 | T 30 |
| F 31 | 22 55 35 | 11♍59'06 | 11♒40 | 10♍50 | 28♎21 | 2♎ 8 | 7♓47 | 3♈ 4 | 13♎21 | 12♎ 2 | 16♌59 | 12°R23 | 10♒44 | 6♓59 | 4♎48 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n 3 | 26s15 | 2s58 | 18n40 | 2s16 | 0n45 | 0s20 | 7n38 | 0n49 | 8s42 | 1s31 | 0s32 | 2s37 | 4s11 | 0n36 | 2s50 | 1n45 | 26n28 | 10n52 | 17s 9 | 17s12 | 8s28 | 2s50 | 2s40 |
| T 2 | 16 46 | 23 55 | 1 58 | 18 54 | 1 59 | 0 14 | 0 25 | 7 23 | 0 48 | 8 45 | 1 32 | 0 33 | 2 38 | 4 12 | 0 36 | 2 51 | 1 45 | 26 27 | 10 52 | 17 9 | 17 13 | 8 25 | 2 53 | 2 39 |
| F 3 | 16 29 | 20 32 | 0 54 | 19 7 | 1 41 | 0s16 | 0 30 | 7 8 | 0 48 | 8 47 | 1 32 | 0 34 | 2 38 | 4 13 | 0 36 | 2 51 | 1 45 | 26 27 | 10 53 | 17 9 | 17 14 | 8 22 | 2 55 | 2 39 |
| S 4 | 16 12 | 16 21 | 0n12 | 19 18 | 1 24 | 0 47 | 0 35 | 6 52 | 0 47 | 8 50 | 1 32 | 0 35 | 2 38 | 4 14 | 0 36 | 2 52 | 1 45 | 26 26 | 10 53 | 17 9 | 17 15 | 8 19 | 2 57 | 2 38 |
| S 5 | 15 55 | 11 33 | 1 17 | 19 27 | 1 7 | 1 18 | 0 40 | 6 37 | 0 47 | 8 53 | 1 32 | 0 36 | 2 38 | 4 15 | 0 36 | 2 53 | 1 45 | 26 26 | 10 53 | 17 9 | 17 16 | 8 16 | 3 0 | 2 38 |
| M 6 | 15 37 | 6 22 | 2 18 | 19 34 | 0 50 | 1 48 | 0 45 | 6 21 | 0 46 | 8 55 | 1 32 | 0 38 | 2 39 | 4 16 | 0 36 | 2 53 | 1 45 | 26 25 | 10 53 | 17 9 | 17 16 | 8 13 | 3 2 | 2 37 |
| T 7 | 15 19 | 0 58 | 3 14 | 19 38 | 0 34 | 2 19 | 0 50 | 6 6 | 0 46 | 8 58 | 1 33 | 0 39 | 2 39 | 4 17 | 0 36 | 2 54 | 1 45 | 26 24 | 10 53 | 17 9 | 17 17 | 8 9 | 3 5 | 2 37 |
| W 8 | 15 1 | 4n28 | 4 1 | 19 40 | 0 18 | 2 49 | 0 55 | 5 50 | 0 45 | 9 1 | 1 33 | 0 40 | 2 39 | 4 18 | 0 36 | 2 55 | 1 45 | 26 24 | 10 53 | 17 9 | 17 18 | 8 6 | 3 7 | 2 37 |
| T 9 | 14 43 | 9 48 | 4 39 | 19 39 | 0 3 | 3 19 | 1 1 | 5 34 | 0 45 | 9 4 | 1 33 | 0 41 | 2 39 | 4 19 | 0 36 | 2 55 | 1 45 | 26 23 | 10 53 | 17 10 | 17 19 | 8 3 | 3 10 | 2 36 |
| F 10 | 14 24 | 14 49 | 5 4 | 19 36 | 0n11 | 3 50 | 1 6 | 5 18 | 0 44 | 9 7 | 1 33 | 0 43 | 2 40 | 4 20 | 0 36 | 2 56 | 1 44 | 26 23 | 10 53 | 17 10 | 17 20 | 8 0 | 3 12 | 2 36 |
| S 11 | 14 5 | 19 21 | 5 16 | 19 30 | 0 24 | 4 20 | 1 11 | 5 3 | 0 43 | 9 9 | 1 33 | 0 44 | 2 40 | 4 21 | 0 36 | 2 56 | 1 44 | 26 22 | 10 53 | 17 10 | 17 21 | 7 57 | 3 15 | 2 35 |
| S 12 | 13 46 | 23 8 | 5 14 | 19 20 | 0 36 | 4 50 | 1 17 | 4 47 | 0 43 | 9 12 | 1 34 | 0 45 | 2 40 | 4 22 | 0 36 | 2 57 | 1 44 | 26 22 | 10 53 | 17 10 | 17 22 | 7 53 | 3 17 | 2 35 |
| M13 | 13 27 | 25 53 | 4 55 | 19 8 | 0 48 | 5 20 | 1 22 | 4 31 | 0 42 | 9 15 | 1 34 | 0 47 | 2 40 | 4 23 | 0 36 | 2 58 | 1 44 | 26 21 | 10 53 | 17 10 | 17 23 | 7 50 | 3 20 | 2 35 |
| T 14 | 13 7 | 27 17 | 4 20 | 18 53 | 0 58 | 5 50 | 1 27 | 4 15 | 0 42 | 9 18 | 1 34 | 0 48 | 2 41 | 4 24 | 0 36 | 2 59 | 1 44 | 26 21 | 10 54 | 17 10 | 17 24 | 7 47 | 3 23 | 2 34 |
| W15 | 12 47 | 27 4 | 3 30 | 18 35 | 1 7 | 6 19 | 1 33 | 3 59 | 0 41 | 9 21 | 1 34 | 0 50 | 2 41 | 4 25 | 0 36 | 2 59 | 1 44 | 26 20 | 10 54 | 17 10 | 17 24 | 7 44 | 3 25 | 2 34 |
| T 16 | 12 27 | 25 6 | 2 25 | 18 14 | 1 16 | 6 49 | 1 39 | 3 43 | 0 41 | 9 24 | 1 34 | 0 51 | 2 41 | 4 27 | 0 36 | 3 0 | 1 44 | 26 20 | 10 54 | 17 9 | 17 25 | 7 41 | 3 28 | 2 33 |
| F 17 | 12 7 | 21 25 | 1 9 | 17 51 | 1 23 | 7 19 | 1 44 | 3 27 | 0 40 | 9 27 | 1 34 | 0 53 | 2 41 | 4 28 | 0 36 | 3 1 | 1 44 | 26 19 | 10 54 | 17 9 | 17 26 | 7 37 | 3 31 | 2 33 |
| S 18 | 11 47 | 16 16 | 0s13 | 17 25 | 1 30 | 7 48 | 1 50 | 3 11 | 0 40 | 9 30 | 1 34 | 0 54 | 2 41 | 4 29 | 0 36 | 3 1 | 1 44 | 26 19 | 10 54 | 17 9 | 17 27 | 7 34 | 3 33 | 2 33 |
| S 19 | 11 26 | 10 3 | 1 35 | 16 56 | 1 35 | 8 17 | 1 55 | 2 55 | 0 39 | 9 33 | 1 34 | 0 56 | 2 42 | 4 30 | 0 36 | 3 2 | 1 44 | 26 18 | 10 54 | 17 9 | 17 28 | 7 31 | 3 36 | 2 32 |
| M20 | 11 5 | 3 14 | 2 51 | 16 25 | 1 39 | 8 46 | 2 1 | 2 38 | 0 38 | 9 37 | 1 35 | 0 57 | 2 42 | 4 31 | 0 36 | 3 3 | 1 44 | 26 18 | 10 54 | 17 10 | 17 29 | 7 28 | 3 39 | 2 32 |
| T 21 | 10 44 | 3s42 | 3 54 | 15 52 | 1 43 | 9 15 | 2 7 | 2 22 | 0 38 | 9 40 | 1 35 | 0 59 | 2 42 | 4 33 | 0 36 | 3 4 | 1 44 | 26 17 | 10 54 | 17 10 | 17 30 | 7 25 | 3 42 | 2 31 |
| W22 | 10 23 | 10 18 | 4 40 | 15 17 | 1 46 | 9 43 | 2 13 | 2 6 | 0 37 | 9 43 | 1 35 | 1 1 | 2 42 | 4 34 | 0 36 | 3 4 | 1 44 | 26 17 | 10 55 | 17 11 | 17 31 | 7 21 | 3 45 | 2 31 |
| T 23 | 10 2 | 16 11 | 5 7 | 14 41 | 1 47 | 10 12 | 2 18 | 1 50 | 0 37 | 9 46 | 1 35 | 1 2 | 2 42 | 4 35 | 0 36 | 3 5 | 1 44 | 26 16 | 10 55 | 17 12 | 17 32 | 7 18 | 3 47 | 2 31 |
| F 24 | 9 41 | 21 2 | 5 15 | 14 2 | 1 48 | 10 40 | 2 24 | 1 33 | 0 36 | 9 49 | 1 35 | 1 4 | 2 42 | 4 36 | 0 36 | 3 6 | 1 44 | 26 16 | 10 55 | 17 12 | 17 32 | 7 15 | 3 50 | 2 30 |
| S 25 | 9 19 | 24 35 | 5 5 | 13 23 | 1 49 | 11 8 | 2 30 | 1 17 | 0 36 | 9 52 | 1 35 | 1 6 | 2 43 | 4 38 | 0 36 | 3 7 | 1 44 | 26 16 | 10 55 | 17 13 | 17 33 | 7 12 | 3 53 | 2 30 |
| S 26 | 8 57 | 26 43 | 4 38 | 12 42 | 1 48 | 11 36 | 2 36 | 1 1 | 0 35 | 9 55 | 1 35 | 1 7 | 2 43 | 4 39 | 0 36 | 3 7 | 1 44 | 26 15 | 10 55 | 17 13 | 17 34 | 7 9 | 3 56 | 2 30 |
| M27 | 8 35 | 27 22 | 3 59 | 11 59 | 1 47 | 12 3 | 2 42 | 0 44 | 0 34 | 9 58 | 1 35 | 1 9 | 2 43 | 4 40 | 0 36 | 3 8 | 1 44 | 26 15 | 10 55 | 17 13 | 17 35 | 7 5 | 3 59 | 2 29 |
| T 28 | 8 13 | 26 36 | 3 9 | 11 16 | 1 46 | 12 30 | 2 48 | 0 28 | 0 34 | 10 1 | 1 35 | 1 11 | 2 43 | 4 41 | 0 36 | 3 9 | 1 44 | 26 14 | 10 56 | 17 12 | 17 36 | 7 2 | 4 2 | 2 29 |
| W29 | 7 51 | 24 33 | 2 11 | 10 33 | 1 44 | 12 57 | 2 54 | 0 11 | 0 33 | 10 4 | 1 35 | 1 13 | 2 43 | 4 43 | 0 36 | 3 10 | 1 44 | 26 14 | 10 56 | 17 12 | 17 37 | 6 59 | 4 5 | 2 28 |
| T 30 | 7 29 | 21 26 | 1 9 | 9 48 | 1 41 | 13 24 | 2 59 | 0s 5 | 0 33 | 10 7 | 1 35 | 1 14 | 2 43 | 4 44 | 0 36 | 3 11 | 1 44 | 26 13 | 10 56 | 17 11 | 17 38 | 6 56 | 4 8 | 2 28 |
| F 31 | 7n 6 | 17s27 | 0s 4 | 9n 3 | 1n38 | 13s50 | 3s 5 | 0s22 | 0n32 | 10s10 | 1s35 | 1s16 | 2s44 | 4s45 | 0n36 | 3s11 | 1n44 | 26n13 | 10n56 | 17s11 | 17s39 | 6s53 | 4s11 | 2s28 |

Julian Day Number = 2074101.5, Delta T = 27m17s
Ecliptic obliquity = 23°34'29, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'16, Lahiri = 9°27'17 Julian Calendar 1 Aug. 966 == Greg. Calendar 6 Aug. 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## SEPTEMBER 966 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 59 31 | 12♍57'48 | 23♒30 | 12♍40 | 29♎18 | 2♎48 | 7°R39 | 3°R 0 | 13♎25 | 12♎ 4 | 17♌ 1 | 12°R22 | 10♒41 | 7♓ 6 | 4♎57 | S 1 |
| S 2 | 23 3 28 | 13°56'32 | 5♓18 | 14°30 | 0♏15 | 3°27 | 7♓31 | 2♈56 | 13°28 | 12° 6 | 17° 3 | 12♒20 | 10°38 | 7°13 | 5° 5 | S 2 |
| M 3 | 23 7 25 | 14°55'17 | 17° 7 | 16°18 | 1°11 | 4° 7 | 7°23 | 2°51 | 13°32 | 12° 8 | 17° 5 | 12°16 | 10°34 | 7°19 | 5°13 | M 3 |
| T 4 | 23 11 21 | 15°54'05 | 29° 0 | 18° 5 | 2° 6 | 4°48 | 7°15 | 2°47 | 13°35 | 12°10 | 17° 6 | 12°11 | 10°31 | 7°26 | 5°21 | T 4 |
| W 5 | 23 15 18 | 16°52'55 | 10♈57 | 19°52 | 3° 1 | 5°28 | 7° 8 | 2°43 | 13°38 | 12°12 | 17° 8 | 12° 5 | 10°28 | 7°33 | 5°30 | W 5 |
| T 6 | 23 19 14 | 17°51'47 | 23° 2 | 21°37 | 3°55 | 6° 8 | 7° 0 | 2°38 | 13°42 | 12°14 | 17°10 | 11°58 | 10°25 | 7°39 | 5°38 | T 6 |
| F 7 | 23 23 11 | 18°50'42 | 5♉15 | 23°22 | 4°49 | 6°48 | 6°52 | 2°34 | 13°45 | 12°16 | 17°12 | 11°52 | 10°22 | 7°46 | 5°47 | F 7 |
| S 8 | 23 27 7 | 19°49'38 | 17°39 | 25° 5 | 5°43 | 7°28 | 6°45 | 2°29 | 13°49 | 12°18 | 17°13 | 11°47 | 10°19 | 7°53 | 5°55 | S 8 |
| S 9 | 23 31 4 | 20°48'37 | 0♊17 | 26°48 | 6°35 | 8° 9 | 6°37 | 2°24 | 13°52 | 12°20 | 17°15 | 11°43 | 10°15 | 7°59 | 6° 3 | S 9 |
| M10 | 23 35 0 | 21°47'39 | 13°12 | 28°30 | 7°27 | 8°49 | 6°30 | 2°20 | 13°56 | 12°22 | 17°17 | 11°41 | 10°12 | 8° 6 | 6°12 | M10 |
| T 11 | 23 38 57 | 22°46'42 | 26°26 | 0♎11 | 8°19 | 9°29 | 6°22 | 2°15 | 14° 0 | 12°24 | 17°19 | 11°D41 | 10° 9 | 8°12 | 6°20 | T 11 |
| W12 | 23 42 54 | 23°45'49 | 10♋ 2 | 1°51 | 9°10 | 10°10 | 6°15 | 2°11 | 14° 3 | 12°26 | 17°20 | 11°42 | 10° 6 | 8°19 | 6°29 | W12 |
| T 13 | 23 46 50 | 24°44'57 | 24° 3 | 3°31 | 10° 0 | 10°50 | 6° 8 | 2° 6 | 14° 7 | 12°29 | 17°22 | 11°43 | 10° 3 | 8°26 | 6°37 | T 13 |
| F 14 | 23 50 47 | 25°44'08 | 8♌26 | 5° 9 | 10°49 | 11°31 | 6° 1 | 2° 1 | 14°10 | 12°31 | 17°24 | 11°R44 | 9°59 | 8°32 | 6°46 | F 14 |
| S 15 | 23 54 43 | 26°43'21 | 23°12 | 6°47 | 11°38 | 12°12 | 5°54 | 1°56 | 14°14 | 12°33 | 17°25 | 11°44 | 9°56 | 8°39 | 6°54 | S 15 |
| S 16 | 23 58 40 | 27°42'36 | 8♍14 | 8°23 | 12°26 | 12°52 | 5°47 | 1°52 | 14°18 | 12°35 | 17°27 | 11°41 | 9°53 | 8°46 | 7° 3 | S 16 |
| M17 | 0 2 36 | 28°41'54 | 23°24 | 10° 0 | 13°13 | 13°33 | 5°40 | 1°47 | 14°21 | 12°37 | 17°28 | 11°37 | 9°50 | 8°52 | 7°12 | M17 |
| T 18 | 0 6 33 | 29°41'14 | 8♎33 | 11°35 | 13°59 | 14°14 | 5°33 | 1°42 | 14°25 | 12°39 | 17°30 | 11°30 | 9°47 | 8°59 | 7°20 | T 18 |
| W19 | 0 10 29 | 0♎40'35 | 23°31 | 13° 9 | 14°44 | 14°55 | 5°27 | 1°37 | 14°29 | 12°42 | 17°31 | 11°22 | 9°44 | 9° 6 | 7°29 | W19 |
| T 20 | 0 14 26 | 1°39'59 | 8♏ 9 | 14°43 | 15°29 | 15°36 | 5°20 | 1°33 | 14°32 | 12°44 | 17°33 | 11°15 | 9°40 | 9°12 | 7°37 | T 20 |
| F 21 | 0 18 23 | 2°39'25 | 22°21 | 16°16 | 16°12 | 16°17 | 5°14 | 1°28 | 14°36 | 12°46 | 17°34 | 11° 8 | 9°37 | 9°19 | 7°46 | F 21 |
| S 22 | 0 22 19 | 3°38'52 | 6♐ 3 | 17°49 | 16°55 | 16°58 | 5° 8 | 1°23 | 14°40 | 12°48 | 17°36 | 11° 2 | 9°34 | 9°26 | 7°55 | S 22 |
| S 23 | 0 26 16 | 4°38'22 | 19°16 | 19°20 | 17°37 | 17°39 | 5° 2 | 1°18 | 14°43 | 12°51 | 17°37 | 10°59 | 9°31 | 9°32 | 8° 3 | S 23 |
| M24 | 0 30 12 | 5°37'53 | 2♑ 4 | 20°51 | 18°17 | 18°20 | 4°56 | 1°14 | 14°47 | 12°53 | 17°39 | 10°D58 | 9°28 | 9°39 | 8°12 | M24 |
| T 25 | 0 34 9 | 6°37'26 | 14°29 | 22°22 | 18°56 | 19° 1 | 4°50 | 1° 9 | 14°51 | 12°55 | 17°40 | 10°58 | 9°25 | 9°46 | 8°20 | T 25 |
| W26 | 0 38 5 | 7°37'00 | 26°37 | 23°51 | 19°35 | 19°42 | 4°45 | 1° 4 | 14°55 | 12°57 | 17°42 | 10°59 | 9°21 | 9°52 | 8°29 | W26 |
| T 27 | 0 42 2 | 8°36'37 | 8♒34 | 25°20 | 20°12 | 20°23 | 4°39 | 1° 0 | 14°58 | 12°59 | 17°43 | 10°R59 | 9°18 | 9°59 | 8°38 | T 27 |
| F 28 | 0 45 58 | 9°36'15 | 20°24 | 26°48 | 20°47 | 21° 5 | 4°34 | 0°55 | 15° 2 | 13° 2 | 17°44 | 10°59 | 9°15 | 10° 6 | 8°46 | F 28 |
| S 29 | 0 49 55 | 10°35'55 | 2♓11 | 28°16 | 21°22 | 21°46 | 4°29 | 0°50 | 15° 6 | 13° 4 | 17°46 | 10°56 | 9°12 | 10°12 | 8°55 | S 29 |
| S 30 | 0 53 51 | 11♎35'37 | 14♓ 0 | 29♎42 | 21♏55 | 22♎27 | 4♓24 | 0♈46 | 15♎10 | 13♎ 6 | 17♌47 | 10♒52 | 9♒ 9 | 10♓19 | 9♎ 4 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n44 | 12s49 | 1n 1 | 8n17 | 1n34 | 14s16 | 3s11 | 0s38 | 0n32 | 10s13 | 1s35 | 1s18 | 2s44 | 4s47 | 0n36 | 3s12 | 1n44 | 26n13 | 10n56 | 17s11 | 17s39 | 6s49 | 4s14 | 2s27 |
| S 2 | 6 21 | 7 44 | 2 2 | 7 32 | 1 30 | 14 42 | 3 17 | 0 55 | 0 31 | 10 16 | 1 35 | 1 20 | 2 44 | 4 48 | 0 36 | 3 13 | 1 44 | 26 12 | 10 57 | 17 12 | 17 40 | 6 46 | 4 17 | 2 27 |
| M 3 | 5 58 | 2 23 | 2 59 | 6 45 | 1 26 | 15 7 | 3 23 | 1 11 | 0 30 | 10 19 | 1 35 | 1 22 | 2 44 | 4 49 | 0 36 | 3 14 | 1 44 | 26 12 | 10 57 | 17 13 | 17 41 | 6 43 | 4 20 | 2 27 |
| T 4 | 5 35 | 3n 4 | 3 47 | 5 59 | 1 21 | 15 32 | 3 29 | 1 28 | 0 30 | 10 22 | 1 35 | 1 24 | 2 44 | 4 51 | 0 35 | 3 15 | 1 44 | 26 12 | 10 57 | 17 14 | 17 42 | 6 40 | 4 23 | 2 26 |
| W 5 | 5 12 | 8 26 | 4 26 | 5 12 | 1 16 | 15 56 | 3 35 | 1 44 | 0 29 | 10 25 | 1 35 | 1 25 | 2 44 | 4 52 | 0 35 | 3 15 | 1 44 | 26 11 | 10 57 | 17 16 | 17 43 | 6 37 | 4 26 | 2 26 |
| T 6 | 4 49 | 13 33 | 4 54 | 4 26 | 1 11 | 16 21 | 3 40 | 2 1 | 0 29 | 10 28 | 1 35 | 1 27 | 2 44 | 4 53 | 0 35 | 3 16 | 1 44 | 26 11 | 10 58 | 17 18 | 17 44 | 6 33 | 4 29 | 2 26 |
| F 7 | 4 26 | 18 11 | 5 9 | 3 39 | 1 6 | 16 45 | 3 46 | 2 17 | 0 28 | 10 31 | 1 35 | 1 29 | 2 44 | 4 55 | 0 35 | 3 17 | 1 44 | 26 10 | 10 58 | 17 20 | 17 45 | 6 30 | 4 32 | 2 26 |
| S 8 | 4 3 | 22 8 | 5 9 | 2 53 | 1 0 | 17 8 | 3 52 | 2 34 | 0 28 | 10 34 | 1 35 | 1 31 | 2 44 | 4 56 | 0 35 | 3 18 | 1 44 | 26 10 | 10 58 | 17 21 | 17 45 | 6 27 | 4 35 | 2 25 |
| S 9 | 3 40 | 25 7 | 4 55 | 2 6 | 0 54 | 17 31 | 3 57 | 2 50 | 0 27 | 10 36 | 1 35 | 1 33 | 2 45 | 4 58 | 0 35 | 3 19 | 1 44 | 26 10 | 10 58 | 17 22 | 17 46 | 6 24 | 4 38 | 2 25 |
| M10 | 3 16 | 26 54 | 4 25 | 1 20 | 0 48 | 17 54 | 4 3 | 3 7 | 0 26 | 10 39 | 1 35 | 1 35 | 2 45 | 4 59 | 0 35 | 3 20 | 1 44 | 26 10 | 10 59 | 17 23 | 17 47 | 6 21 | 4 41 | 2 25 |
| T 11 | 2 53 | 27 12 | 3 41 | 0 34 | 0 42 | 18 16 | 4 9 | 3 23 | 0 26 | 10 42 | 1 35 | 1 37 | 2 45 | 5 0 | 0 35 | 3 20 | 1 44 | 26 9 | 10 59 | 17 23 | 17 48 | 6 17 | 4 44 | 2 24 |
| W12 | 2 29 | 25 54 | 2 43 | 0s12 | 0 35 | 18 38 | 4 14 | 3 40 | 0 25 | 10 44 | 1 35 | 1 39 | 2 45 | 5 2 | 0 35 | 3 21 | 1 44 | 26 9 | 10 59 | 17 22 | 17 49 | 6 14 | 4 47 | 2 24 |
| T 13 | 2 6 | 22 58 | 1 34 | 0 58 | 0 29 | 19 0 | 4 20 | 3 56 | 0 25 | 10 47 | 1 35 | 1 41 | 2 45 | 5 3 | 0 35 | 3 22 | 1 44 | 26 9 | 10 59 | 17 22 | 17 50 | 6 11 | 4 50 | 2 24 |
| F 14 | 1 42 | 18 33 | 0 18 | 1 43 | 0 22 | 19 21 | 4 25 | 4 13 | 0 24 | 10 50 | 1 35 | 1 43 | 2 45 | 5 5 | 0 35 | 3 23 | 1 44 | 26 8 | 11 0 | 17 22 | 17 51 | 6 8 | 4 54 | 2 23 |
| S 15 | 1 19 | 12 54 | 1s 2 | 2 28 | 0 15 | 19 41 | 4 31 | 4 29 | 0 23 | 10 52 | 1 35 | 1 45 | 2 45 | 5 6 | 0 35 | 3 24 | 1 44 | 26 8 | 11 0 | 17 22 | 17 51 | 6 5 | 4 57 | 2 23 |
| S 16 | 0 55 | 6 24 | 2 18 | 3 13 | 0 8 | 20 2 | 4 36 | 4 46 | 0 23 | 10 55 | 1 35 | 1 47 | 2 45 | 5 8 | 0 35 | 3 25 | 1 44 | 26 8 | 11 0 | 17 23 | 17 52 | 6 1 | 5 0 | 2 23 |
| M17 | 0 31 | 0s31 | 3 26 | 3 57 | 0 2 | 20 21 | 4 41 | 5 2 | 0 22 | 10 57 | 1 35 | 1 48 | 2 45 | 5 9 | 0 35 | 3 26 | 1 44 | 26 8 | 11 0 | 17 24 | 17 53 | 5 58 | 5 3 | 2 23 |
| T 18 | 0 8 | 7 22 | 4 18 | 4 41 | 0s 5 | 20 40 | 4 46 | 5 19 | 0 22 | 11 0 | 1 35 | 1 50 | 2 45 | 5 10 | 0 35 | 3 26 | 1 43 | 26 7 | 11 1 | 17 26 | 17 54 | 5 55 | 5 6 | 2 22 |
| W19 | 0s16 | 13 42 | 4 53 | 5 25 | 0 12 | 20 59 | 4 51 | 5 35 | 0 21 | 11 2 | 1 35 | 1 52 | 2 45 | 5 12 | 0 35 | 3 27 | 1 43 | 26 7 | 11 1 | 17 28 | 17 55 | 5 52 | 5 9 | 2 22 |
| T 20 | 0 40 | 19 8 | 5 7 | 6 8 | 0 19 | 21 17 | 4 56 | 5 51 | 0 20 | 11 4 | 1 34 | 1 54 | 2 45 | 5 13 | 0 35 | 3 28 | 1 43 | 26 7 | 11 1 | 17 30 | 17 56 | 5 48 | 5 13 | 2 22 |
| F 21 | 1 4 | 23 18 | 5 1 | 6 50 | 0 26 | 21 35 | 5 1 | 6 8 | 0 20 | 11 6 | 1 34 | 1 56 | 2 45 | 5 15 | 0 35 | 3 29 | 1 43 | 26 7 | 11 2 | 17 32 | 17 57 | 5 45 | 5 16 | 2 22 |
| S 22 | 1 27 | 26 1 | 4 39 | 7 32 | 0 33 | 21 52 | 5 6 | 6 24 | 0 19 | 11 8 | 1 34 | 1 58 | 2 45 | 5 16 | 0 35 | 3 30 | 1 43 | 26 7 | 11 2 | 17 33 | 17 57 | 5 42 | 5 19 | 2 21 |
| S 23 | 1 51 | 27 9 | 4 2 | 8 14 | 0 40 | 22 8 | 5 11 | 6 41 | 0 19 | 11 11 | 1 34 | 2 0 | 2 45 | 5 18 | 0 35 | 3 31 | 1 43 | 26 6 | 11 2 | 17 34 | 17 58 | 5 39 | 5 22 | 2 21 |
| M24 | 2 15 | 26 47 | 3 13 | 8 55 | 0 47 | 22 24 | 5 15 | 6 57 | 0 18 | 11 13 | 1 34 | 2 2 | 2 45 | 5 19 | 0 35 | 3 32 | 1 43 | 26 6 | 11 2 | 17 35 | 17 59 | 5 36 | 5 25 | 2 21 |
| T 25 | 2 39 | 25 4 | 2 17 | 9 35 | 0 54 | 22 40 | 5 19 | 7 13 | 0 18 | 11 15 | 1 34 | 2 4 | 2 45 | 5 21 | 0 35 | 3 33 | 1 43 | 26 6 | 11 3 | 17 35 | 18 0 | 5 32 | 5 29 | 2 21 |
| W26 | 3 2 | 22 12 | 1 16 | 10 15 | 1 1 | 22 55 | 5 24 | 7 29 | 0 17 | 11 16 | 1 34 | 2 6 | 2 45 | 5 22 | 0 35 | 3 33 | 1 43 | 26 6 | 11 3 | 17 34 | 18 1 | 5 29 | 5 32 | 2 20 |
| T 27 | 3 26 | 18 26 | 0 13 | 10 54 | 1 8 | 23 9 | 5 28 | 7 45 | 0 16 | 11 18 | 1 33 | 2 7 | 2 45 | 5 23 | 0 35 | 3 34 | 1 43 | 26 6 | 11 3 | 17 34 | 18 2 | 5 26 | 5 35 | 2 20 |
| F 28 | 3 50 | 13 59 | 0n50 | 11 33 | 1 15 | 23 22 | 5 32 | 8 2 | 0 16 | 11 20 | 1 33 | 2 9 | 2 45 | 5 25 | 0 35 | 3 35 | 1 43 | 26 6 | 11 4 | 17 34 | 18 3 | 5 23 | 5 38 | 2 20 |
| S 29 | 4 13 | 9 2 | 1 51 | 12 11 | 1 21 | 23 35 | 5 35 | 8 18 | 0 15 | 11 22 | 1 33 | 2 11 | 2 45 | 5 26 | 0 35 | 3 36 | 1 43 | 26 5 | 11 4 | 17 35 | 18 3 | 5 20 | 5 41 | 2 20 |
| S 30 | 4s37 | 3s46 | 2n47 | 12s48 | 1s28 | 23s48 | 5s39 | 8s34 | 0n15 | 11s23 | 1s33 | 2s13 | 2s45 | 5s28 | 0n35 | 3s37 | 1n43 | 26n 5 | 11n 4 | 17s36 | 18s 4 | 5s16 | 5s45 | 2s19 |

Julian Day Number = 2074132.5, Delta T = 27m17s
Ecliptic obliquity = 23°34'30, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'20, Lahiri = 9°27'21 Julian Calendar 1 Sept. 966 == Greg. Calendar 6 Sept. 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## OCTOBER 966 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 57 48 | 12♎35'21 | 25♓53 | 1♏ 8 | 22♏26 | 23♎ 9 | 4°R20 | 0°R41 | 15♎13 | 13♎ 8 | 17♌48 | 10°R44 | 9♒ 5 | 10♓26 | 9♎12 | M 1 |
| T 2 | 1 1 45 | 13°35'07 | 7♈53 | 2°34 | 22°57 | 23°50 | 4♓15 | 0♈36 | 15°17 | 13°11 | 17°50 | 10♒34 | 9° 2 | 10°32 | 9°21 | T 2 |
| W 3 | 1 5 41 | 14°34'54 | 20° 0 | 3°58 | 23°25 | 24°32 | 4°11 | 0°32 | 15°21 | 13°13 | 17°51 | 10°22 | 8°59 | 10°39 | 9°29 | W 3 |
| T 4 | 1 9 38 | 15°34'44 | 2♉17 | 5°22 | 23°52 | 25°14 | 4° 7 | 0°27 | 15°25 | 13°15 | 17°52 | 10°10 | 8°56 | 10°46 | 9°38 | T 4 |
| F 5 | 1 13 34 | 16°34'36 | 14°44 | 6°44 | 24°18 | 25°55 | 4° 3 | 0°23 | 15°29 | 13°17 | 17°53 | 9°58 | 8°53 | 10°52 | 9°47 | F 5 |
| S 6 | 1 17 31 | 17°34'30 | 27°21 | 8° 6 | 24°41 | 26°37 | 3°59 | 0°18 | 15°32 | 13°20 | 17°55 | 9°47 | 8°50 | 10°59 | 9°55 | S 6 |
| S 7 | 1 21 27 | 18°34'27 | 10♊10 | 9°27 | 25° 3 | 27°19 | 3°55 | 0°14 | 15°36 | 13°22 | 17°56 | 9°39 | 8°46 | 11° 6 | 10° 4 | S 7 |
| M 8 | 1 25 24 | 19°34'25 | 23°11 | 10°46 | 25°23 | 28° 1 | 3°52 | 0°10 | 15°40 | 13°24 | 17°57 | 9°34 | 8°43 | 11°12 | 10°12 | M 8 |
| T 9 | 1 29 20 | 20°34'26 | 6♋26 | 12° 5 | 25°41 | 28°43 | 3°48 | 0° 5 | 15°44 | 13°26 | 17°58 | 9°31 | 8°40 | 11°19 | 10°21 | T 9 |
| W10 | 1 33 17 | 21°34'29 | 19°57 | 13°22 | 25°57 | 29°24 | 3°45 | 0° 1 | 15°47 | 13°29 | 17°59 | 9°D30 | 8°37 | 11°26 | 10°29 | W10 |
| T 11 | 1 37 14 | 22°34'34 | 3♌46 | 14°38 | 26°12 | 0♏ 6 | 3°42 | 29♓57 | 15°51 | 13°31 | 18° 0 | 9°R30 | 8°34 | 11°32 | 10°38 | T 11 |
| F 12 | 1 41 10 | 23°34'41 | 17°54 | 15°53 | 26°24 | 0°49 | 3°40 | 29°53 | 15°55 | 13°33 | 18° 1 | 9°30 | 8°30 | 11°39 | 10°46 | F 12 |
| S 13 | 1 45 7 | 24°34'50 | 2♍20 | 17° 6 | 26°34 | 1°31 | 3°37 | 29°49 | 15°59 | 13°35 | 18° 2 | 9°28 | 8°27 | 11°46 | 10°55 | S 13 |
| S 14 | 1 49 3 | 25°35'02 | 17° 1 | 18°17 | 26°41 | 2°13 | 3°35 | 29°45 | 16° 2 | 13°37 | 18° 3 | 9°24 | 8°24 | 11°52 | 11° 3 | S 14 |
| M15 | 1 53 0 | 26°35'15 | 1♎53 | 19°26 | 26°47 | 2°55 | 3°33 | 29°41 | 16° 6 | 13°40 | 18° 4 | 9°17 | 8°21 | 11°59 | 11°12 | M15 |
| T 16 | 1 56 56 | 27°35'31 | 16°48 | 20°33 | 26°50 | 3°37 | 3°31 | 29°37 | 16°10 | 13°42 | 18° 5 | 9° 7 | 8°18 | 12° 6 | 11°20 | T 16 |
| W17 | 2 0 53 | 28°35'48 | 1♏37 | 21°37 | 26°R51 | 4°20 | 3°29 | 29°33 | 16°13 | 13°44 | 18° 6 | 8°56 | 8°15 | 12°12 | 11°29 | W17 |
| T 18 | 2 4 49 | 29°36'07 | 16°11 | 22°39 | 26°50 | 5° 2 | 3°28 | 29°29 | 16°17 | 13°46 | 18° 7 | 8°44 | 8°11 | 12°19 | 11°37 | T 18 |
| F 19 | 2 8 46 | 0♏36'28 | 0♐23 | 23°37 | 26°46 | 5°44 | 3°27 | 29°25 | 16°21 | 13°48 | 18° 7 | 8°33 | 8° 8 | 12°26 | 11°45 | F 19 |
| S 20 | 2 12 43 | 1°36'51 | 14° 8 | 24°32 | 26°39 | 6°27 | 3°26 | 29°22 | 16°25 | 13°51 | 18° 8 | 8°23 | 8° 5 | 12°32 | 11°54 | S 20 |
| S 21 | 2 16 39 | 2°37'15 | 27°26 | 25°23 | 26°31 | 7° 9 | 3°25 | 29°18 | 16°28 | 13°53 | 18° 9 | 8°17 | 8° 2 | 12°39 | 12° 2 | S 21 |
| M22 | 2 20 36 | 3°37'41 | 10♑17 | 26° 9 | 26°19 | 7°52 | 3°24 | 29°15 | 16°32 | 13°55 | 18°10 | 8°13 | 7°59 | 12°46 | 12°10 | M22 |
| T 23 | 2 24 32 | 4°38'08 | 22°45 | 26°51 | 26° 6 | 8°35 | 3°24 | 29°11 | 16°36 | 13°57 | 18°10 | 8°11 | 7°56 | 12°52 | 12°19 | T 23 |
| W24 | 2 28 29 | 5°38'36 | 4♒55 | 27°27 | 25°50 | 9°17 | 3°24 | 29° 8 | 16°39 | 13°59 | 18°11 | 8°11 | 7°52 | 12°59 | 12°27 | W24 |
| T 25 | 2 32 25 | 6°39'06 | 16°52 | 27°56 | 25°31 | 10° 0 | 3°D24 | 29° 5 | 16°43 | 14° 1 | 18°12 | 8°11 | 7°49 | 13° 6 | 12°35 | T 25 |
| F 26 | 2 36 22 | 7°39'37 | 28°42 | 28°19 | 25°10 | 10°43 | 3°24 | 29° 1 | 16°46 | 14° 3 | 18°12 | 8°10 | 7°46 | 13°12 | 12°43 | F 26 |
| S 27 | 2 40 18 | 8°40'09 | 10♓30 | 28°34 | 24°48 | 11°26 | 3°24 | 28°58 | 16°50 | 14° 5 | 18°13 | 8° 7 | 7°43 | 13°19 | 12°51 | S 27 |
| S 28 | 2 44 15 | 9°40'43 | 22°20 | 28°R41 | 24°22 | 12° 9 | 3°25 | 28°55 | 16°53 | 14° 7 | 18°14 | 8° 1 | 7°40 | 13°26 | 12°59 | S 28 |
| M29 | 2 48 12 | 10°41'18 | 4♈18 | 28°38 | 23°55 | 12°52 | 3°26 | 28°52 | 16°57 | 14°10 | 18°14 | 7°52 | 7°36 | 13°33 | 13° 7 | M29 |
| T 30 | 2 52 8 | 11°41'54 | 16°25 | 28°26 | 23°26 | 13°35 | 3°27 | 28°50 | 17° 1 | 14°12 | 18°15 | 7°41 | 7°33 | 13°39 | 13°15 | T 30 |
| W31 | 2 56 5 | 12♏42'32 | 28♈45 | 28♏ 3 | 22♏56 | 14♏18 | 3♓28 | 28♓47 | 17♎ 4 | 14♎14 | 18♌15 | 7♒28 | 7♒30 | 13♓46 | 13♎23 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s 0 | 1n39 | 3n36 | 13s24 | 1s34 | 23s59 | 5s42 | 8s50 | 0n14 | 11s25 | 1s33 | 2s15 | 2s45 | 5s29 | 0n35 | 3s38 | 1n43 | 26n 5 | 11n 5 | 17s39 | 18s 5 | 5s13 | 5s48 | 2s19 |
| T 2 | 5 23 | 7 3 | 4 15 | 14 0 | 1 40 | 24 10 | 5 45 | 9 6 | 0 13 | 11 27 | 1 33 | 2 17 | 2 45 | 5 31 | 0 35 | 3 39 | 1 43 | 26 5 | 11 5 | 17 41 | 18 6 | 5 10 | 5 51 | 2 19 |
| W 3 | 5 47 | 12 14 | 4 44 | 14 35 | 1 47 | 24 20 | 5 48 | 9 22 | 0 13 | 11 28 | 1 32 | 2 18 | 2 45 | 5 32 | 0 35 | 3 39 | 1 43 | 26 5 | 11 5 | 17 44 | 18 7 | 5 7 | 5 54 | 2 19 |
| T 4 | 6 10 | 17 1 | 5 0 | 15 9 | 1 52 | 24 30 | 5 51 | 9 38 | 0 12 | 11 29 | 1 32 | 2 20 | 2 45 | 5 34 | 0 35 | 3 40 | 1 43 | 26 5 | 11 6 | 17 48 | 18 8 | 5 3 | 5 57 | 2 18 |
| F 5 | 6 33 | 21 8 | 5 1 | 15 42 | 1 58 | 24 39 | 5 53 | 9 53 | 0 12 | 11 31 | 1 32 | 2 22 | 2 45 | 5 35 | 0 35 | 3 41 | 1 43 | 26 5 | 11 6 | 17 51 | 18 8 | 5 0 | 6 1 | 2 18 |
| S 6 | 6 56 | 24 21 | 4 48 | 16 14 | 2 4 | 24 47 | 5 55 | 10 9 | 0 11 | 11 32 | 1 32 | 2 23 | 2 45 | 5 37 | 0 35 | 3 42 | 1 43 | 26 5 | 11 6 | 17 54 | 18 9 | 4 57 | 6 4 | 2 18 |
| S 7 | 7 19 | 26 24 | 4 21 | 16 46 | 2 9 | 24 54 | 5 57 | 10 25 | 0 10 | 11 33 | 1 32 | 2 25 | 2 45 | 5 38 | 0 35 | 3 43 | 1 44 | 26 5 | 11 7 | 17 56 | 18 10 | 4 54 | 6 7 | 2 18 |
| M 8 | 7 42 | 27 3 | 3 40 | 17 16 | 2 14 | 25 0 | 5 58 | 10 41 | 0 10 | 11 34 | 1 31 | 2 27 | 2 44 | 5 40 | 0 35 | 3 44 | 1 44 | 26 5 | 11 7 | 17 58 | 18 11 | 4 51 | 6 10 | 2 18 |
| T 9 | 8 5 | 26 11 | 2 46 | 17 45 | 2 19 | 25 6 | 6 0 | 10 56 | 0 9 | 11 35 | 1 31 | 2 28 | 2 44 | 5 41 | 0 35 | 3 45 | 1 44 | 26 5 | 11 8 | 17 58 | 18 12 | 4 47 | 6 13 | 2 17 |
| W10 | 8 27 | 23 46 | 1 42 | 18 13 | 2 24 | 25 11 | 6 0 | 11 12 | 0 8 | 11 36 | 1 31 | 2 30 | 2 44 | 5 42 | 0 35 | 3 46 | 1 44 | 26 5 | 11 8 | 17 59 | 18 13 | 4 44 | 6 17 | 2 17 |
| T 11 | 8 50 | 19 55 | 0 30 | 18 41 | 2 28 | 25 15 | 6 1 | 11 27 | 0 8 | 11 37 | 1 31 | 2 32 | 2 44 | 5 44 | 0 35 | 3 46 | 1 44 | 26 5 | 11 8 | 17 58 | 18 13 | 4 41 | 6 20 | 2 17 |
| F 12 | 9 12 | 14 51 | 0s44 | 19 6 | 2 32 | 25 18 | 6 1 | 11 42 | 0 7 | 11 38 | 1 31 | 2 33 | 2 44 | 5 45 | 0 35 | 3 47 | 1 44 | 26 5 | 11 9 | 17 59 | 18 14 | 4 38 | 6 23 | 2 17 |
| S 13 | 9 35 | 8 52 | 1 58 | 19 31 | 2 35 | 25 20 | 6 0 | 11 58 | 0 7 | 11 38 | 1 30 | 2 35 | 2 44 | 5 47 | 0 35 | 3 48 | 1 44 | 26 5 | 11 9 | 17 59 | 18 15 | 4 34 | 6 26 | 2 17 |
| S 14 | 9 57 | 2 19 | 3 5 | 19 54 | 2 39 | 25 21 | 6 0 | 12 13 | 0 6 | 11 39 | 1 30 | 2 36 | 2 44 | 5 48 | 0 35 | 3 49 | 1 44 | 26 5 | 11 9 | 18 0 | 18 16 | 4 31 | 6 29 | 2 16 |
| M15 | 10 19 | 4s25 | 4 0 | 20 16 | 2 41 | 25 21 | 5 58 | 12 28 | 0 5 | 11 40 | 1 30 | 2 38 | 2 44 | 5 50 | 0 35 | 3 50 | 1 44 | 26 5 | 11 10 | 18 2 | 18 17 | 4 28 | 6 33 | 2 16 |
| T 16 | 10 41 | 10 55 | 4 39 | 20 37 | 2 44 | 25 20 | 5 56 | 12 43 | 0 5 | 11 40 | 1 30 | 2 39 | 2 44 | 5 51 | 0 35 | 3 51 | 1 44 | 26 5 | 11 10 | 18 5 | 18 18 | 4 25 | 6 36 | 2 16 |
| W17 | 11 2 | 16 45 | 4 58 | 20 56 | 2 45 | 25 18 | 5 54 | 12 58 | 0 4 | 11 40 | 1 30 | 2 41 | 2 43 | 5 53 | 0 35 | 3 51 | 1 44 | 26 5 | 11 10 | 18 8 | 18 18 | 4 22 | 6 39 | 2 16 |
| T 18 | 11 24 | 21 31 | 4 58 | 21 13 | 2 46 | 25 15 | 5 51 | 13 13 | 0 4 | 11 41 | 1 29 | 2 42 | 2 43 | 5 54 | 0 35 | 3 52 | 1 44 | 26 5 | 11 11 | 18 11 | 18 19 | 4 18 | 6 42 | 2 16 |
| F 19 | 11 45 | 24 54 | 4 39 | 21 28 | 2 47 | 25 11 | 5 48 | 13 28 | 0 3 | 11 41 | 1 29 | 2 43 | 2 43 | 5 55 | 0 35 | 3 53 | 1 44 | 26 5 | 11 11 | 18 14 | 18 20 | 4 15 | 6 45 | 2 16 |
| S 20 | 12 6 | 26 41 | 4 5 | 21 42 | 2 46 | 25 5 | 5 44 | 13 42 | 0 2 | 11 41 | 1 29 | 2 45 | 2 43 | 5 57 | 0 35 | 3 54 | 1 44 | 26 5 | 11 12 | 18 16 | 18 21 | 4 12 | 6 48 | 2 15 |
| S 21 | 12 27 | 26 51 | 3 18 | 21 53 | 2 45 | 24 59 | 5 39 | 13 57 | 0 2 | 11 41 | 1 29 | 2 46 | 2 43 | 5 58 | 0 35 | 3 55 | 1 44 | 26 5 | 11 12 | 18 18 | 18 22 | 4 9 | 6 51 | 2 15 |
| M22 | 12 48 | 25 32 | 2 22 | 22 3 | 2 44 | 24 51 | 5 34 | 14 12 | 0 1 | 11 41 | 1 28 | 2 47 | 2 43 | 6 0 | 0 35 | 3 56 | 1 44 | 26 6 | 11 12 | 18 19 | 18 23 | 4 5 | 6 54 | 2 15 |
| T 23 | 13 8 | 22 58 | 1 21 | 22 10 | 2 41 | 24 42 | 5 28 | 14 26 | 0 1 | 11 41 | 1 28 | 2 48 | 2 42 | 6 1 | 0 35 | 3 56 | 1 44 | 26 6 | 11 13 | 18 19 | 18 23 | 4 2 | 6 58 | 2 15 |
| W24 | 13 29 | 19 25 | 0 17 | 22 15 | 2 37 | 24 32 | 5 22 | 14 40 | 0s 0 | 11 41 | 1 28 | 2 50 | 2 42 | 6 2 | 0 35 | 3 57 | 1 44 | 26 6 | 11 13 | 18 19 | 18 24 | 3 59 | 7 1 | 2 15 |
| T 25 | 13 49 | 15 8 | 0n46 | 22 17 | 2 32 | 24 20 | 5 15 | 14 55 | 0 1 | 11 41 | 1 28 | 2 51 | 2 42 | 6 4 | 0 35 | 3 58 | 1 44 | 26 6 | 11 14 | 18 19 | 18 25 | 3 56 | 7 4 | 2 15 |
| F 26 | 14 9 | 10 20 | 1 46 | 22 16 | 2 26 | 24 8 | 5 7 | 15 9 | 0 1 | 11 40 | 1 27 | 2 52 | 2 42 | 6 5 | 0 35 | 3 59 | 1 44 | 26 6 | 11 14 | 18 20 | 18 26 | 3 53 | 7 7 | 2 14 |
| S 27 | 14 28 | 5 11 | 2 42 | 22 12 | 2 18 | 23 54 | 4 59 | 15 23 | 0 2 | 11 40 | 1 27 | 2 53 | 2 42 | 6 7 | 0 35 | 4 0 | 1 44 | 26 6 | 11 14 | 18 20 | 18 27 | 3 49 | 7 10 | 2 14 |
| S 28 | 14 48 | 0n10 | 3 31 | 22 5 | 2 9 | 23 38 | 4 49 | 15 36 | 0 3 | 11 40 | 1 27 | 2 54 | 2 42 | 6 8 | 0 35 | 4 0 | 1 44 | 26 7 | 11 15 | 18 22 | 18 27 | 3 46 | 7 13 | 2 14 |
| M29 | 15 7 | 5 33 | 4 11 | 21 54 | 1 59 | 23 22 | 4 40 | 15 50 | 0 3 | 11 39 | 1 27 | 2 55 | 2 41 | 6 9 | 0 35 | 4 1 | 1 44 | 26 7 | 11 15 | 18 24 | 18 28 | 3 43 | 7 16 | 2 14 |
| T 30 | 15 26 | 10 47 | 4 40 | 21 40 | 1 47 | 23 4 | 4 29 | 16 4 | 0 4 | 11 39 | 1 26 | 2 56 | 2 41 | 6 11 | 0 35 | 4 2 | 1 44 | 26 7 | 11 16 | 18 27 | 18 29 | 3 40 | 7 19 | 2 14 |
| W31 | 15s44 | 15n42 | 4n56 | 21s21 | 1s33 | 22s46 | 4s18 | 16s17 | 0s 4 | 11s38 | 1s26 | 2s57 | 2s41 | 6s12 | 0n35 | 4s 3 | 1n44 | 26n 7 | 11n16 | 18s31 | 18s30 | 3s36 | 7s22 | 2s14 |

Julian Day Number = 2074162.5, Delta T = 27m16s
Ecliptic obliquity = 23°34'30, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'24, Lahiri = 9°27'25 Julian Calendar 1 Oct. 966 == Greg. Calendar 6 Oct. 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## NOVEMBER 966 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 0 1 | 13♏43'11 | 11♉17 | 27°R30 | 22°R24 | 15♏ 1 | 3♓29 | 28°R44 | 17♎ 8 | 14♎16 | 18♌16 | 7°R14 | 7♒27 | 13♓53 | 13♎31 | T 1 |
| F 2 | 3 3 58 | 14°43'52 | 24° 2 | 26♏46 | 21♏50 | 15°44 | 3°31 | 28♓42 | 17°11 | 14°18 | 18°16 | 7♒ 0 | 7°24 | 13°59 | 13°39 | F 2 |
| S 3 | 3 7 54 | 15°44'34 | 6♊58 | 25°52 | 21°16 | 16°27 | 3°33 | 28°39 | 17°14 | 14°20 | 18°16 | 6°48 | 7°21 | 14° 6 | 13°47 | S 3 |
| S 4 | 3 11 51 | 16°45'17 | 20° 7 | 24°48 | 20°40 | 17°10 | 3°35 | 28°37 | 17°18 | 14°22 | 18°17 | 6°38 | 7°17 | 14°13 | 13°55 | S 4 |
| M 5 | 3 15 47 | 17°46'03 | 3♋25 | 23°37 | 20° 4 | 17°54 | 3°37 | 28°34 | 17°21 | 14°24 | 18°17 | 6°31 | 7°14 | 14°19 | 14° 3 | M 5 |
| T 6 | 3 19 44 | 18°46'49 | 16°54 | 22°19 | 19°28 | 18°37 | 3°40 | 28°32 | 17°25 | 14°26 | 18°17 | 6°28 | 7°11 | 14°26 | 14°10 | T 6 |
| W 7 | 3 23 41 | 19°47'38 | 0♌32 | 20°58 | 18°51 | 19°20 | 3°42 | 28°30 | 17°28 | 14°27 | 18°18 | 6°26 | 7° 8 | 14°33 | 14°18 | W 7 |
| T 8 | 3 27 37 | 20°48'27 | 14°21 | 19°36 | 18°15 | 20° 4 | 3°45 | 28°28 | 17°31 | 14°29 | 18°18 | 6°26 | 7° 5 | 14°39 | 14°26 | T 8 |
| F 9 | 3 31 34 | 21°49'19 | 28°21 | 18°15 | 17°39 | 20°47 | 3°48 | 28°26 | 17°35 | 14°31 | 18°18 | 6°26 | 7° 2 | 14°46 | 14°33 | F 9 |
| S 10 | 3 35 30 | 22°50'11 | 12♍31 | 16°59 | 17° 4 | 21°31 | 3°51 | 28°25 | 17°38 | 14°33 | 18°18 | 6°25 | 6°58 | 14°53 | 14°41 | S 10 |
| S 11 | 3 39 27 | 23°51'06 | 26°51 | 15°49 | 16°30 | 22°14 | 3°55 | 28°23 | 17°41 | 14°35 | 18°18 | 6°21 | 6°55 | 14°59 | 14°48 | S 11 |
| M12 | 3 43 23 | 24°52'01 | 11♎18 | 14°48 | 15°56 | 22°58 | 3°58 | 28°21 | 17°44 | 14°37 | 18°18 | 6°15 | 6°52 | 15° 6 | 14°55 | M12 |
| T 13 | 3 47 20 | 25°52'58 | 25°46 | 13°58 | 15°24 | 23°42 | 4° 2 | 28°20 | 17°47 | 14°39 | 18°19 | 6° 6 | 6°49 | 15°13 | 15° 3 | T 13 |
| W14 | 3 51 16 | 26°53'57 | 10♏11 | 13°18 | 14°54 | 24°26 | 4° 6 | 28°18 | 17°51 | 14°40 | 18°19 | 5°55 | 6°46 | 15°19 | 15°10 | W14 |
| T 15 | 3 55 13 | 27°54'56 | 24°25 | 12°50 | 14°25 | 25° 9 | 4°10 | 28°17 | 17°54 | 14°42 | 18°R19 | 5°43 | 6°42 | 15°26 | 15°17 | T 15 |
| F 16 | 3 59 10 | 28°55'56 | 8♐22 | 12°33 | 13°59 | 25°53 | 4°15 | 28°16 | 17°57 | 14°44 | 18°19 | 5°32 | 6°39 | 15°33 | 15°24 | F 16 |
| S 17 | 4 3 6 | 29°56'58 | 21°59 | 12°D28 | 13°34 | 26°37 | 4°19 | 28°15 | 18° 0 | 14°46 | 18°19 | 5°23 | 6°36 | 15°39 | 15°32 | S 17 |
| S 18 | 4 7 3 | 0♐58'00 | 5♑13 | 12°32 | 13°11 | 27°21 | 4°24 | 28°14 | 18° 3 | 14°47 | 18°18 | 5°17 | 6°33 | 15°46 | 15°39 | S 18 |
| M19 | 4 10 59 | 1°59'03 | 18° 4 | 12°47 | 12°51 | 28° 5 | 4°29 | 28°13 | 18° 6 | 14°49 | 18°18 | 5°13 | 6°30 | 15°53 | 15°46 | M19 |
| T 20 | 4 14 56 | 3° 0'07 | 0♒33 | 13°10 | 12°32 | 28°49 | 4°34 | 28°13 | 18° 9 | 14°51 | 18°18 | 5°D11 | 6°27 | 15°59 | 15°52 | T 20 |
| W21 | 4 18 52 | 4° 1'11 | 12°45 | 13°41 | 12°17 | 29°33 | 4°40 | 28°12 | 18°12 | 14°52 | 18°18 | 5°11 | 6°23 | 16° 6 | 15°59 | W21 |
| T 22 | 4 22 49 | 5° 2'16 | 24°44 | 14°19 | 12° 3 | 0♐18 | 4°45 | 28°11 | 18°15 | 14°54 | 18°18 | 5°12 | 6°20 | 16°13 | 16° 6 | T 22 |
| F 23 | 4 26 46 | 6° 3'21 | 6♓36 | 15° 4 | 11°52 | 1° 2 | 4°51 | 28°11 | 18°17 | 14°55 | 18°18 | 5°R13 | 6°17 | 16°19 | 16°13 | F 23 |
| S 24 | 4 30 42 | 7° 4'27 | 18°25 | 15°54 | 11°44 | 1°46 | 4°57 | 28°11 | 18°20 | 14°57 | 18°17 | 5°12 | 6°14 | 16°26 | 16°19 | S 24 |
| S 25 | 4 34 39 | 8° 5'33 | 0♈17 | 16°49 | 11°38 | 2°30 | 5° 3 | 28°11 | 18°23 | 14°58 | 18°17 | 5° 9 | 6°11 | 16°33 | 16°26 | S 25 |
| M26 | 4 38 35 | 9° 6'39 | 12°17 | 17°49 | 11°34 | 3°15 | 5° 9 | 28°D11 | 18°26 | 15° 0 | 18°17 | 5° 4 | 6° 8 | 16°39 | 16°33 | M26 |
| T 27 | 4 42 32 | 10° 7'46 | 24°29 | 18°52 | 11°D33 | 3°59 | 5°15 | 28°11 | 18°28 | 15° 1 | 18°16 | 4°56 | 6° 4 | 16°46 | 16°39 | T 27 |
| W28 | 4 46 28 | 11° 8'53 | 6♉56 | 19°59 | 11°35 | 4°43 | 5°22 | 28°11 | 18°31 | 15° 3 | 18°16 | 4°47 | 6° 1 | 16°53 | 16°45 | W28 |
| T 29 | 4 50 25 | 12°10'01 | 19°40 | 21° 8 | 11°39 | 5°28 | 5°29 | 28°11 | 18°34 | 15° 4 | 18°16 | 4°37 | 5°58 | 16°59 | 16°52 | T 29 |
| F 30 | 4 54 21 | 13♐11'09 | 2♊42 | 22♏20 | 11♏45 | 6♐12 | 5♓35 | 28♓11 | 18♎36 | 15♎ 6 | 18♌15 | 4♒27 | 5♒55 | 17♓ 6 | 16♎58 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s 3 | 20n 2 | 4n59 | 20s59 | 1s18 | 22s26 | 4s 6 | 16s31 | 0s 5 | 11s37 | 1s26 | 2s58 | 2s41 | 6s13 | 0n35 | 4s 3 | 1n44 | 26n 7 | 11n16 | 18s34 | 18s31 | 3s33 | 7s25 | 2s14 |
| F 2 | 16 21 | 23 31 | 4 47 | 20 32 | 1 1 | 22 5 | 3 54 | 16 44 | 0 6 | 11 36 | 1 26 | 2 59 | 2 41 | 6 15 | 0 35 | 4 4 | 1 44 | 26 8 | 11 17 | 18 38 | 18 32 | 3 30 | 7 28 | 2 14 |
| S 3 | 16 39 | 25 52 | 4 20 | 20 2 | 0 43 | 21 43 | 3 41 | 16 57 | 0 6 | 11 35 | 1 25 | 2 59 | 2 40 | 6 16 | 0 35 | 4 5 | 1 44 | 26 8 | 11 17 | 18 41 | 18 32 | 3 27 | 7 31 | 2 13 |
| S 4 | 16 56 | 26 50 | 3 39 | 19 28 | 0 24 | 21 21 | 3 27 | 17 10 | 0 7 | 11 34 | 1 25 | 3 0 | 2 40 | 6 17 | 0 35 | 4 6 | 1 44 | 26 8 | 11 18 | 18 43 | 18 33 | 3 24 | 7 34 | 2 13 |
| M 5 | 17 13 | 26 17 | 2 45 | 18 51 | 0 4 | 20 58 | 3 13 | 17 23 | 0 8 | 11 33 | 1 25 | 3 1 | 2 40 | 6 19 | 0 35 | 4 6 | 1 44 | 26 8 | 11 18 | 18 45 | 18 34 | 3 20 | 7 37 | 2 13 |
| T 6 | 17 30 | 24 11 | 1 42 | 18 11 | 0n17 | 20 34 | 2 59 | 17 36 | 0 8 | 11 32 | 1 25 | 3 1 | 2 40 | 6 20 | 0 35 | 4 7 | 1 44 | 26 9 | 11 18 | 18 46 | 18 35 | 3 17 | 7 40 | 2 13 |
| W 7 | 17 47 | 20 39 | 0 31 | 17 30 | 0 37 | 20 9 | 2 44 | 17 48 | 0 9 | 11 31 | 1 25 | 3 2 | 2 40 | 6 21 | 0 35 | 4 8 | 1 44 | 26 9 | 11 19 | 18 46 | 18 36 | 3 14 | 7 42 | 2 13 |
| T 8 | 18 3 | 15 57 | 0s42 | 16 49 | 0 57 | 19 45 | 2 29 | 18 0 | 0 9 | 11 30 | 1 24 | 3 3 | 2 39 | 6 22 | 0 35 | 4 9 | 1 44 | 26 9 | 11 19 | 18 46 | 18 36 | 3 11 | 7 45 | 2 13 |
| F 9 | 18 19 | 10 21 | 1 53 | 16 8 | 1 16 | 19 20 | 2 14 | 18 13 | 0 10 | 11 28 | 1 24 | 3 3 | 2 39 | 6 24 | 0 35 | 4 9 | 1 44 | 26 10 | 11 20 | 18 46 | 18 37 | 3 7 | 7 48 | 2 13 |
| S 10 | 18 35 | 4 9 | 2 59 | 15 30 | 1 34 | 18 55 | 1 58 | 18 25 | 0 11 | 11 27 | 1 24 | 3 4 | 2 39 | 6 25 | 0 35 | 4 10 | 1 44 | 26 10 | 11 20 | 18 46 | 18 38 | 3 4 | 7 51 | 2 13 |
| S 11 | 18 50 | 2s19 | 3 54 | 14 55 | 1 50 | 18 30 | 1 43 | 18 37 | 0 11 | 11 25 | 1 24 | 3 4 | 2 39 | 6 26 | 0 35 | 4 11 | 1 44 | 26 10 | 11 21 | 18 47 | 18 39 | 3 1 | 7 54 | 2 12 |
| M12 | 19 6 | 8 41 | 4 34 | 14 24 | 2 3 | 18 6 | 1 27 | 18 49 | 0 12 | 11 24 | 1 23 | 3 5 | 2 38 | 6 27 | 0 35 | 4 11 | 1 44 | 26 11 | 11 21 | 18 49 | 18 40 | 2 58 | 7 57 | 2 12 |
| T 13 | 19 20 | 14 37 | 4 57 | 13 58 | 2 15 | 17 41 | 1 12 | 19 0 | 0 12 | 11 22 | 1 23 | 3 5 | 2 38 | 6 29 | 0 35 | 4 12 | 1 44 | 26 11 | 11 21 | 18 51 | 18 40 | 2 55 | 7 59 | 2 12 |
| W14 | 19 34 | 19 42 | 5 1 | 13 37 | 2 24 | 17 17 | 0 56 | 19 12 | 0 13 | 11 21 | 1 23 | 3 5 | 2 38 | 6 30 | 0 35 | 4 13 | 1 45 | 26 11 | 11 22 | 18 54 | 18 41 | 2 51 | 8 2 | 2 12 |
| T 15 | 19 48 | 23 36 | 4 46 | 13 22 | 2 32 | 16 54 | 0 41 | 19 23 | 0 14 | 11 19 | 1 23 | 3 6 | 2 38 | 6 31 | 0 35 | 4 13 | 1 45 | 26 12 | 11 22 | 18 57 | 18 42 | 2 48 | 8 5 | 2 12 |
| F 16 | 20 2 | 26 1 | 4 14 | 13 12 | 2 37 | 16 32 | 0 26 | 19 34 | 0 14 | 11 17 | 1 22 | 3 6 | 2 37 | 6 32 | 0 35 | 4 14 | 1 45 | 26 12 | 11 23 | 19 0 | 18 43 | 2 45 | 8 8 | 2 12 |
| S 17 | 20 15 | 26 48 | 3 29 | 13 7 | 2 41 | 16 10 | 0 11 | 19 45 | 0 15 | 11 15 | 1 22 | 3 6 | 2 37 | 6 33 | 0 35 | 4 14 | 1 45 | 26 13 | 11 23 | 19 2 | 18 44 | 2 42 | 8 10 | 2 12 |
| S 18 | 20 28 | 26 1 | 2 33 | 13 7 | 2 42 | 15 49 | 0n 4 | 19 56 | 0 16 | 11 13 | 1 22 | 3 6 | 2 37 | 6 34 | 0 35 | 4 15 | 1 45 | 26 13 | 11 23 | 19 3 | 18 44 | 2 38 | 8 13 | 2 12 |
| M19 | 20 41 | 23 50 | 1 30 | 13 11 | 2 43 | 15 29 | 0 18 | 20 7 | 0 16 | 11 11 | 1 22 | 3 6 | 2 37 | 6 36 | 0 35 | 4 16 | 1 45 | 26 13 | 11 24 | 19 4 | 18 45 | 2 35 | 8 16 | 2 12 |
| T 20 | 20 53 | 20 33 | 0 25 | 13 19 | 2 42 | 15 10 | 0 32 | 20 17 | 0 17 | 11 9 | 1 21 | 3 6 | 2 36 | 6 37 | 0 35 | 4 16 | 1 45 | 26 14 | 11 24 | 19 5 | 18 46 | 2 32 | 8 18 | 2 12 |
| W21 | 21 4 | 16 26 | 0n40 | 13 30 | 2 39 | 14 53 | 0 46 | 20 27 | 0 17 | 11 7 | 1 21 | 3 6 | 2 36 | 6 38 | 0 35 | 4 17 | 1 45 | 26 14 | 11 25 | 19 5 | 18 47 | 2 29 | 8 21 | 2 12 |
| T 22 | 21 16 | 11 44 | 1 43 | 13 44 | 2 36 | 14 36 | 0 59 | 20 37 | 0 18 | 11 5 | 1 21 | 3 6 | 2 36 | 6 39 | 0 35 | 4 17 | 1 45 | 26 15 | 11 25 | 19 4 | 18 48 | 2 26 | 8 23 | 2 12 |
| F 23 | 21 26 | 6 40 | 2 40 | 14 1 | 2 32 | 14 20 | 1 12 | 20 47 | 0 19 | 11 2 | 1 21 | 3 6 | 2 36 | 6 40 | 0 35 | 4 18 | 1 45 | 26 15 | 11 25 | 19 4 | 18 48 | 2 22 | 8 26 | 2 11 |
| S 24 | 21 37 | 1 23 | 3 30 | 14 20 | 2 27 | 14 6 | 1 24 | 20 57 | 0 19 | 11 0 | 1 20 | 3 6 | 2 35 | 6 41 | 0 35 | 4 19 | 1 45 | 26 16 | 11 26 | 19 5 | 18 49 | 2 19 | 8 28 | 2 11 |
| S 25 | 21 47 | 3n57 | 4 11 | 14 41 | 2 22 | 13 53 | 1 36 | 21 6 | 0 20 | 10 57 | 1 20 | 3 6 | 2 35 | 6 42 | 0 35 | 4 19 | 1 45 | 26 16 | 11 26 | 19 5 | 18 50 | 2 16 | 8 31 | 2 11 |
| M26 | 21 56 | 9 12 | 4 42 | 15 4 | 2 16 | 13 41 | 1 47 | 21 16 | 0 21 | 10 55 | 1 20 | 3 6 | 2 35 | 6 43 | 0 36 | 4 20 | 1 45 | 26 17 | 11 27 | 19 7 | 18 51 | 2 13 | 8 33 | 2 11 |
| T 27 | 22 6 | 14 12 | 5 1 | 15 27 | 2 10 | 13 31 | 1 58 | 21 25 | 0 21 | 10 52 | 1 20 | 3 5 | 2 35 | 6 44 | 0 36 | 4 20 | 1 45 | 26 17 | 11 27 | 19 8 | 18 52 | 2 10 | 8 36 | 2 11 |
| W28 | 22 14 | 18 42 | 5 5 | 15 52 | 2 3 | 13 21 | 2 9 | 21 33 | 0 22 | 10 50 | 1 20 | 3 5 | 2 34 | 6 45 | 0 36 | 4 21 | 1 45 | 26 18 | 11 27 | 19 11 | 18 52 | 2 6 | 8 38 | 2 11 |
| T 29 | 22 23 | 22 29 | 4 55 | 16 17 | 1 56 | 13 13 | 2 19 | 21 42 | 0 22 | 10 47 | 1 19 | 3 5 | 2 34 | 6 46 | 0 36 | 4 21 | 1 45 | 26 18 | 11 28 | 19 13 | 18 53 | 2 3 | 8 41 | 2 11 |
| F 30 | 22s31 | 25n13 | 4n30 | 16s42 | 1n49 | 13s 6 | 2n28 | 21s51 | 0s23 | 10s44 | 1s19 | 3s 4 | 2s34 | 6s47 | 0n36 | 4s22 | 1n45 | 26n19 | 11n28 | 19s15 | 18s54 | 2s 0 | 8s43 | 2s11 |

Julian Day Number = 2074193.5, Delta T = 27m16s
Ecliptic obliquity = 23°34'29, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'29, Lahiri = 9°27'29 Julian Calendar 1 Nov. 966 == Greg. Calendar 6 Nov. 966


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# ASTRODIENST EPHEMERIS for the year 966
# geocentric

## DECEMBER 966 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 58 18 | 14♐12'17 | 16♊ 0 | 23♏35 | 11♏53 | 6♐57 | 5♓42 | 28♓12 | 18♎39 | 15♎ 7 | 18°R15 | 4°R19 | 5♒52 | 17♓13 | 17♎ 4 | S 1 |
| S 2 | 5 2 15 | 15°13'26 | 29°32 | 24°51 | 12° 4 | 7°42 | 5°50 | 28°13 | 18°41 | 15° 8 | 18♌14 | 4♒12 | 5°48 | 17°20 | 17°10 | S 2 |
| M 3 | 5 6 11 | 16°14'36 | 13♋16 | 26° 9 | 12°17 | 8°26 | 5°57 | 28°13 | 18°44 | 15°10 | 18°14 | 4° 8 | 5°45 | 17°26 | 17°16 | M 3 |
| T 4 | 5 10 8 | 17°15'46 | 27°10 | 27°28 | 12°32 | 9°11 | 6° 5 | 28°14 | 18°46 | 15°11 | 18°13 | 4° 6 | 5°42 | 17°33 | 17°22 | T 4 |
| W 5 | 5 14 4 | 18°16'56 | 11♌ 9 | 28°49 | 12°50 | 9°56 | 6°12 | 28°15 | 18°49 | 15°12 | 18°13 | 4°D 6 | 5°39 | 17°40 | 17°28 | W 5 |
| T 6 | 5 18 1 | 19°18'07 | 25°13 | 0♐11 | 13° 9 | 10°41 | 6°20 | 28°16 | 18°51 | 15°14 | 18°12 | 4° 7 | 5°36 | 17°46 | 17°33 | T 6 |
| F 7 | 5 21 57 | 20°19'18 | 9♍19 | 1°35 | 13°30 | 11°25 | 6°28 | 28°17 | 18°53 | 15°15 | 18°11 | 4° 8 | 5°33 | 17°53 | 17°39 | F 7 |
| S 8 | 5 25 54 | 21°20'30 | 23°27 | 2°59 | 13°53 | 12°10 | 6°36 | 28°19 | 18°55 | 15°16 | 18°11 | 4°R 8 | 5°29 | 18° 0 | 17°45 | S 8 |
| S 9 | 5 29 50 | 22°21'42 | 7♎35 | 4°24 | 14°18 | 12°55 | 6°44 | 28°20 | 18°58 | 15°17 | 18°10 | 4° 7 | 5°26 | 18° 6 | 17°50 | S 9 |
| M10 | 5 33 47 | 23°22'55 | 21°41 | 5°49 | 14°45 | 13°40 | 6°53 | 28°21 | 19° 0 | 15°18 | 18° 9 | 4° 4 | 5°23 | 18°13 | 17°55 | M10 |
| T 11 | 5 37 44 | 24°24'08 | 5♏43 | 7°16 | 15°13 | 14°25 | 7° 1 | 28°23 | 19° 2 | 15°19 | 18° 9 | 4° 0 | 5°20 | 18°20 | 18° 1 | T 11 |
| W12 | 5 41 40 | 25°25'22 | 19°38 | 8°43 | 15°43 | 15°10 | 7°10 | 28°25 | 19° 4 | 15°20 | 18° 8 | 3°53 | 5°17 | 18°26 | 18° 6 | W12 |
| T 13 | 5 45 37 | 26°26'35 | 3♐23 | 10°11 | 16°15 | 15°56 | 7°19 | 28°27 | 19° 6 | 15°21 | 18° 7 | 3°47 | 5°14 | 18°33 | 18°11 | T 13 |
| F 14 | 5 49 33 | 27°27'49 | 16°56 | 11°39 | 16°48 | 16°41 | 7°28 | 28°28 | 19° 8 | 15°22 | 18° 6 | 3°41 | 5°10 | 18°40 | 18°16 | F 14 |
| S 15 | 5 53 30 | 28°29'03 | 0♑12 | 13° 8 | 17°23 | 17°26 | 7°37 | 28°30 | 19°10 | 15°23 | 18° 5 | 3°35 | 5° 7 | 18°46 | 18°21 | S 15 |
| S 16 | 5 57 26 | 29°30'17 | 13°12 | 14°37 | 17°59 | 18°11 | 7°46 | 28°33 | 19°12 | 15°24 | 18° 4 | 3°32 | 5° 4 | 18°53 | 18°26 | S 16 |
| M17 | 6 1 23 | 0♑31'30 | 25°54 | 16° 7 | 18°36 | 18°56 | 7°56 | 28°35 | 19°13 | 15°25 | 18° 4 | 3°30 | 5° 1 | 19° 0 | 18°31 | M17 |
| T 18 | 6 5 19 | 1°32'43 | 8♒19 | 17°37 | 19°15 | 19°42 | 8° 5 | 28°37 | 19°15 | 15°26 | 18° 3 | 3°D30 | 4°58 | 19° 6 | 18°35 | T 18 |
| W19 | 6 9 16 | 2°33'56 | 20°30 | 19° 8 | 19°54 | 20°27 | 8°15 | 28°40 | 19°17 | 15°27 | 18° 2 | 3°31 | 4°54 | 19°13 | 18°40 | W19 |
| T 20 | 6 13 13 | 3°35'08 | 2♓29 | 20°39 | 20°35 | 21°13 | 8°25 | 28°42 | 19°19 | 15°27 | 18° 1 | 3°33 | 4°51 | 19°20 | 18°44 | T 20 |
| F 21 | 6 17 9 | 4°36'19 | 14°21 | 22°11 | 21°18 | 21°58 | 8°35 | 28°45 | 19°20 | 15°28 | 18° 0 | 3°35 | 4°48 | 19°26 | 18°49 | F 21 |
| S 22 | 6 21 6 | 5°37'30 | 26°11 | 23°43 | 22° 1 | 22°43 | 8°45 | 28°48 | 19°22 | 15°29 | 17°59 | 3°36 | 4°45 | 19°33 | 18°53 | S 22 |
| S 23 | 6 25 2 | 6°38'40 | 8♈ 3 | 25°15 | 22°45 | 23°29 | 8°55 | 28°50 | 19°23 | 15°30 | 17°58 | 3°R36 | 4°42 | 19°40 | 18°57 | S 23 |
| M24 | 6 28 59 | 7°39'50 | 20° 3 | 26°49 | 23°30 | 24°15 | 9° 5 | 28°53 | 19°25 | 15°30 | 17°57 | 3°36 | 4°39 | 19°47 | 19° 1 | M24 |
| T 25 | 6 32 55 | 8°40'59 | 2♉15 | 28°22 | 24°17 | 25° 0 | 9°16 | 28°56 | 19°26 | 15°31 | 17°55 | 3°34 | 4°35 | 19°53 | 19° 5 | T 25 |
| W26 | 6 36 52 | 9°42'07 | 14°43 | 29°56 | 25° 4 | 25°46 | 9°26 | 29° 0 | 19°27 | 15°31 | 17°54 | 3°31 | 4°32 | 20° 0 | 19° 9 | W26 |
| T 27 | 6 40 48 | 10°43'14 | 27°31 | 1♑31 | 25°52 | 26°31 | 9°37 | 29° 3 | 19°29 | 15°32 | 17°53 | 3°27 | 4°29 | 20° 7 | 19°13 | T 27 |
| F 28 | 6 44 45 | 11°44'21 | 10♊41 | 3° 6 | 26°41 | 27°17 | 9°47 | 29° 6 | 19°30 | 15°33 | 17°52 | 3°24 | 4°26 | 20°13 | 19°16 | F 28 |
| S 29 | 6 48 42 | 12°45'27 | 24°12 | 4°41 | 27°30 | 28° 3 | 9°58 | 29°10 | 19°31 | 15°33 | 17°51 | 3°20 | 4°23 | 20°20 | 19°20 | S 29 |
| S 30 | 6 52 38 | 13°46'32 | 8♋ 4 | 6°17 | 28°21 | 28°49 | 10° 9 | 29°13 | 19°32 | 15°33 | 17°50 | 3°18 | 4°20 | 20°27 | 19°23 | S 30 |
| M31 | 6 56 35 | 14♑47'37 | 22♋13 | 7♑54 | 29♏12 | 29♐34 | 10♓20 | 29♓17 | 19♎33 | 15♎34 | 17♌49 | 3♒17 | 4♒16 | 20♓33 | 19♎26 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s38 | 26n38 | 3n49 | 17s 8 | 1n41 | 13s 0 | 2n37 | 21s59 | 0s24 | 10s41 | 1s19 | 3s 4 | 2s34 | 6s48 | 0n36 | 4s22 | 1n45 | 26n19 | 11n29 | 19s17 | 18s55 | 1s57 | 8s45 | 2s11 |
| S 2 | 22 45 | 26 30 | 2 55 | 17 34 | 1 34 | 12 55 | 2 45 | 22 7 | 0 24 | 10 39 | 1 19 | 3 3 | 2 33 | 6 49 | 0 36 | 4 23 | 1 45 | 26 20 | 11 29 | 19 19 | 18 56 | 1 53 | 8 47 | 2 11 |
| M 3 | 22 52 | 24 44 | 1 50 | 18 0 | 1 26 | 12 52 | 2 53 | 22 15 | 0 25 | 10 36 | 1 18 | 3 3 | 2 33 | 6 50 | 0 36 | 4 23 | 1 45 | 26 20 | 11 29 | 19 20 | 18 56 | 1 50 | 8 50 | 2 11 |
| T 4 | 22 58 | 21 27 | 0 37 | 18 26 | 1 18 | 12 49 | 3 1 | 22 22 | 0 25 | 10 33 | 1 18 | 3 2 | 2 33 | 6 51 | 0 36 | 4 24 | 1 46 | 26 21 | 11 30 | 19 20 | 18 57 | 1 47 | 8 52 | 2 11 |
| W 5 | 23 3 | 16 55 | 0s38 | 18 52 | 1 11 | 12 47 | 3 8 | 22 30 | 0 26 | 10 30 | 1 18 | 3 2 | 2 33 | 6 52 | 0 36 | 4 24 | 1 46 | 26 21 | 11 30 | 19 20 | 18 58 | 1 44 | 8 54 | 2 11 |
| T 6 | 23 8 | 11 26 | 1 52 | 19 17 | 1 3 | 12 47 | 3 15 | 22 37 | 0 27 | 10 26 | 1 18 | 3 1 | 2 32 | 6 52 | 0 36 | 4 24 | 1 46 | 26 22 | 11 30 | 19 20 | 18 59 | 1 41 | 8 56 | 2 11 |
| F 7 | 23 13 | 5 21 | 2 59 | 19 42 | 0 55 | 12 47 | 3 21 | 22 44 | 0 27 | 10 23 | 1 18 | 3 0 | 2 32 | 6 53 | 0 36 | 4 25 | 1 46 | 26 22 | 11 31 | 19 20 | 18 59 | 1 37 | 8 58 | 2 11 |
| S 8 | 23 17 | 0s59 | 3 55 | 20 6 | 0 47 | 12 49 | 3 27 | 22 50 | 0 28 | 10 20 | 1 17 | 3 0 | 2 32 | 6 54 | 0 36 | 4 25 | 1 46 | 26 23 | 11 31 | 19 20 | 19 0 | 1 34 | 9 1 | 2 11 |
| S 9 | 23 21 | 7 16 | 4 37 | 20 30 | 0 39 | 12 51 | 3 32 | 22 57 | 0 28 | 10 17 | 1 17 | 2 59 | 2 31 | 6 55 | 0 36 | 4 26 | 1 46 | 26 23 | 11 32 | 19 20 | 19 1 | 1 31 | 9 3 | 2 10 |
| M10 | 23 24 | 13 10 | 5 3 | 20 53 | 0 31 | 12 54 | 3 37 | 23 3 | 0 29 | 10 13 | 1 17 | 2 58 | 2 31 | 6 56 | 0 36 | 4 26 | 1 46 | 26 24 | 11 32 | 19 21 | 19 2 | 1 28 | 9 5 | 2 10 |
| T 11 | 23 27 | 18 22 | 5 10 | 21 15 | 0 24 | 12 58 | 3 42 | 23 9 | 0 30 | 10 10 | 1 17 | 2 57 | 2 31 | 6 56 | 0 36 | 4 26 | 1 46 | 26 25 | 11 32 | 19 22 | 19 3 | 1 25 | 9 7 | 2 10 |
| W12 | 23 30 | 22 31 | 4 58 | 21 37 | 0 16 | 13 2 | 3 46 | 23 15 | 0 30 | 10 7 | 1 17 | 2 56 | 2 31 | 6 57 | 0 36 | 4 27 | 1 46 | 26 25 | 11 33 | 19 23 | 19 3 | 1 21 | 9 9 | 2 10 |
| T 13 | 23 32 | 25 22 | 4 30 | 21 57 | 0 9 | 13 7 | 3 50 | 23 20 | 0 31 | 10 3 | 1 16 | 2 55 | 2 30 | 6 58 | 0 36 | 4 27 | 1 46 | 26 26 | 11 33 | 19 25 | 19 4 | 1 18 | 9 11 | 2 10 |
| F 14 | 23 33 | 26 41 | 3 47 | 22 17 | 0 1 | 13 13 | 3 53 | 23 26 | 0 32 | 10 0 | 1 16 | 2 54 | 2 30 | 6 59 | 0 36 | 4 27 | 1 46 | 26 26 | 11 33 | 19 26 | 19 5 | 1 15 | 9 12 | 2 10 |
| S 15 | 23 34 | 26 26 | 2 52 | 22 36 | 0s 6 | 13 20 | 3 57 | 23 31 | 0 32 | 9 56 | 1 16 | 2 53 | 2 30 | 6 59 | 0 36 | 4 28 | 1 46 | 26 27 | 11 34 | 19 28 | 19 6 | 1 12 | 9 14 | 2 10 |
| S 16 | 23 34 | 24 43 | 1 49 | 22 54 | 0 13 | 13 27 | 4 0 | 23 35 | 0 33 | 9 52 | 1 16 | 2 52 | 2 30 | 7 0 | 0 36 | 4 28 | 1 46 | 26 28 | 11 34 | 19 28 | 19 6 | 1 8 | 9 16 | 2 10 |
| M17 | 23 34 | 21 46 | 0 41 | 23 11 | 0 20 | 13 34 | 4 2 | 23 40 | 0 33 | 9 49 | 1 16 | 2 51 | 2 29 | 7 1 | 0 36 | 4 28 | 1 46 | 26 28 | 11 34 | 19 29 | 19 7 | 1 5 | 9 18 | 2 10 |
| T 18 | 23 34 | 17 52 | 0n26 | 23 26 | 0 27 | 13 43 | 4 5 | 23 44 | 0 34 | 9 45 | 1 15 | 2 50 | 2 29 | 7 1 | 0 36 | 4 28 | 1 46 | 26 29 | 11 35 | 19 29 | 19 8 | 1 2 | 9 20 | 2 10 |
| W19 | 23 33 | 13 17 | 1 32 | 23 41 | 0 34 | 13 51 | 4 7 | 23 48 | 0 34 | 9 41 | 1 15 | 2 49 | 2 29 | 7 2 | 0 36 | 4 29 | 1 46 | 26 29 | 11 35 | 19 29 | 19 9 | 0 59 | 9 21 | 2 10 |
| T 20 | 23 32 | 8 17 | 2 32 | 23 55 | 0 40 | 14 0 | 4 8 | 23 52 | 0 35 | 9 37 | 1 15 | 2 47 | 2 29 | 7 3 | 0 36 | 4 29 | 1 46 | 26 30 | 11 35 | 19 28 | 19 10 | 0 56 | 9 23 | 2 10 |
| F 21 | 23 30 | 3 2 | 3 26 | 24 7 | 0 47 | 14 10 | 4 10 | 23 55 | 0 36 | 9 33 | 1 15 | 2 46 | 2 28 | 7 3 | 0 36 | 4 29 | 1 47 | 26 31 | 11 36 | 19 28 | 19 10 | 0 52 | 9 25 | 2 10 |
| S 22 | 23 27 | 2n18 | 4 10 | 24 18 | 0 53 | 14 20 | 4 11 | 23 59 | 0 36 | 9 29 | 1 15 | 2 45 | 2 28 | 7 4 | 0 36 | 4 29 | 1 47 | 26 31 | 11 36 | 19 28 | 19 11 | 0 49 | 9 26 | 2 10 |
| S 23 | 23 24 | 7 33 | 4 44 | 24 28 | 0 59 | 14 30 | 4 12 | 24 2 | 0 37 | 9 25 | 1 15 | 2 43 | 2 28 | 7 4 | 0 36 | 4 30 | 1 47 | 26 32 | 11 36 | 19 27 | 19 12 | 0 46 | 9 28 | 2 10 |
| M24 | 23 21 | 12 35 | 5 6 | 24 37 | 1 5 | 14 40 | 4 13 | 24 4 | 0 37 | 9 21 | 1 14 | 2 42 | 2 28 | 7 5 | 0 36 | 4 30 | 1 47 | 26 33 | 11 37 | 19 28 | 19 13 | 0 43 | 9 29 | 2 10 |
| T 25 | 23 17 | 17 14 | 5 14 | 24 44 | 1 10 | 14 51 | 4 13 | 24 7 | 0 38 | 9 17 | 1 14 | 2 41 | 2 27 | 7 5 | 0 36 | 4 30 | 1 47 | 26 33 | 11 37 | 19 28 | 19 13 | 0 40 | 9 31 | 2 10 |
| W26 | 23 13 | 21 15 | 5 8 | 24 50 | 1 16 | 15 2 | 4 13 | 24 9 | 0 39 | 9 13 | 1 14 | 2 39 | 2 27 | 7 6 | 0 36 | 4 30 | 1 47 | 26 34 | 11 37 | 19 29 | 19 14 | 0 36 | 9 32 | 2 10 |
| T 27 | 23 8 | 24 22 | 4 47 | 24 55 | 1 21 | 15 14 | 4 13 | 24 11 | 0 39 | 9 9 | 1 14 | 2 37 | 2 27 | 7 6 | 0 36 | 4 30 | 1 47 | 26 35 | 11 37 | 19 30 | 19 15 | 0 33 | 9 34 | 2 10 |
| F 28 | 23 3 | 26 18 | 4 11 | 24 58 | 1 26 | 15 25 | 4 13 | 24 12 | 0 40 | 9 5 | 1 14 | 2 36 | 2 27 | 7 7 | 0 36 | 4 30 | 1 47 | 26 35 | 11 38 | 19 30 | 19 16 | 0 30 | 9 35 | 2 10 |
| S 29 | 22 58 | 26 46 | 3 19 | 25 0 | 1 30 | 15 37 | 4 13 | 24 14 | 0 40 | 9 0 | 1 14 | 2 34 | 2 26 | 7 7 | 0 36 | 4 31 | 1 47 | 26 36 | 11 38 | 19 31 | 19 16 | 0 27 | 9 36 | 2 10 |
| S 30 | 22 51 | 25 34 | 2 15 | 25 0 | 1 35 | 15 48 | 4 12 | 24 15 | 0 41 | 8 56 | 1 13 | 2 33 | 2 26 | 7 8 | 0 36 | 4 31 | 1 47 | 26 36 | 11 38 | 19 32 | 19 17 | 0 24 | 9 38 | 2 10 |
| M31 | 22s45 | 22n44 | 1n 1 | 24s59 | 1s39 | 16s 0 | 4n11 | 24s16 | 0s41 | 8s52 | 1s13 | 2s31 | 2s26 | 7s 8 | 0n36 | 4s31 | 1n47 | 26n37 | 11n39 | 19s32 | 19s18 | 0s20 | 9s39 | 2s10 |

Julian Day Number = 2074223.5, Delta T = 27m15s
Ecliptic obliquity = 23°34'28, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'33, Lahiri = 9°27'33 Julian Calendar 1 Dec. 966 == Greg. Calendar 6 Dec. 966


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## JANUARY 967 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 0 31 | 15♑48'40 | 6♌35 | 9♑31 | 0♐ 4 | 0♑20 | 10♓31 | 29♓21 | 19♎34 | 15♎34 | 17°R47 | 3°D17 | 4♒13 | 20♓40 | 19♎30 | T 1 |
| W 2 | 7 4 28 | 16°49'43 | 21° 4 | 11° 9 | 0°57 | 1° 6 | 10°43 | 29°24 | 19°35 | 15°35 | 17♌46 | 3♒17 | 4°10 | 20°47 | 19°33 | W 2 |
| T 3 | 7 8 24 | 17°50'46 | 5♍34 | 12°47 | 1°51 | 1°52 | 10°54 | 29°28 | 19°36 | 15°35 | 17°45 | 3°18 | 4° 7 | 20°53 | 19°36 | T 3 |
| F 4 | 7 12 21 | 18°51'47 | 20° 2 | 14°26 | 2°45 | 2°38 | 11° 5 | 29°32 | 19°37 | 15°35 | 17°44 | 3°19 | 4° 4 | 21° 0 | 19°39 | F 4 |
| S 5 | 7 16 18 | 19°52'48 | 4♎22 | 16° 6 | 3°40 | 3°24 | 11°17 | 29°36 | 19°38 | 15°35 | 17°42 | 3°20 | 4° 0 | 21° 7 | 19°41 | S 5 |
| S 6 | 7 20 14 | 20°53'49 | 18°33 | 17°46 | 4°35 | 4°10 | 11°29 | 29°41 | 19°39 | 15°36 | 17°41 | 3°R21 | 3°57 | 21°13 | 19°44 | S 6 |
| M 7 | 7 24 11 | 21°54'49 | 2♏31 | 19°27 | 5°31 | 4°56 | 11°40 | 29°45 | 19°39 | 15°36 | 17°40 | 3°21 | 3°54 | 21°20 | 19°46 | M 7 |
| T 8 | 7 28 7 | 22°55'48 | 16°17 | 21° 9 | 6°27 | 5°42 | 11°52 | 29°49 | 19°40 | 15°36 | 17°38 | 3°20 | 3°51 | 21°27 | 19°49 | T 8 |
| W 9 | 7 32 4 | 23°56'47 | 29°50 | 22°51 | 7°24 | 6°28 | 12° 4 | 29°54 | 19°40 | 15°36 | 17°37 | 3°19 | 3°48 | 21°34 | 19°51 | W 9 |
| T 10 | 7 36 0 | 24°57'45 | 13♐ 9 | 24°34 | 8°22 | 7°14 | 12°16 | 29°58 | 19°41 | 15°36 | 17°36 | 3°18 | 3°45 | 21°40 | 19°53 | T 10 |
| F 11 | 7 39 57 | 25°58'42 | 26°14 | 26°17 | 9°20 | 8° 1 | 12°28 | 0♈ 3 | 19°41 | 15°36 | 17°34 | 3°17 | 3°41 | 21°47 | 19°55 | F 11 |
| S 12 | 7 43 53 | 26°59'38 | 9♑ 6 | 28° 2 | 10°19 | 8°47 | 12°40 | 0° 8 | 19°42 | 15°R36 | 17°33 | 3°16 | 3°38 | 21°54 | 19°57 | S 12 |
| S 13 | 7 47 50 | 28° 0'32 | 21°46 | 29°47 | 11°18 | 9°33 | 12°53 | 0°12 | 19°42 | 15°36 | 17°31 | 3°15 | 3°35 | 22° 0 | 19°59 | S 13 |
| M14 | 7 51 47 | 29° 1'26 | 4♒12 | 1♒32 | 12°17 | 10°19 | 13° 5 | 0°17 | 19°42 | 15°36 | 17°30 | 3°D15 | 3°32 | 22° 7 | 20° 1 | M14 |
| T 15 | 7 55 43 | 0♒ 2'19 | 16°27 | 3°19 | 13°17 | 11° 5 | 13°18 | 0°22 | 19°43 | 15°36 | 17°29 | 3°15 | 3°29 | 22°14 | 20° 3 | T 15 |
| W16 | 7 59 40 | 1° 3'10 | 28°32 | 5° 5 | 14°17 | 11°52 | 13°30 | 0°27 | 19°43 | 15°36 | 17°27 | 3°16 | 3°26 | 22°20 | 20° 4 | W16 |
| T 17 | 8 3 36 | 2° 3'59 | 10♓29 | 6°53 | 15°18 | 12°38 | 13°43 | 0°32 | 19°43 | 15°36 | 17°26 | 3°16 | 3°22 | 22°27 | 20° 6 | T 17 |
| F 18 | 8 7 33 | 3° 4'48 | 22°20 | 8°41 | 16°19 | 13°25 | 13°55 | 0°37 | 19°43 | 15°35 | 17°24 | 3°R16 | 3°19 | 22°34 | 20° 7 | F 18 |
| S 19 | 8 11 29 | 4° 5'34 | 4♈10 | 10°29 | 17°20 | 14°11 | 14° 8 | 0°43 | 19°R43 | 15°35 | 17°23 | 3°16 | 3°16 | 22°40 | 20° 8 | S 19 |
| S 20 | 8 15 26 | 5° 6'19 | 16° 2 | 12°18 | 18°22 | 14°57 | 14°21 | 0°48 | 19°43 | 15°35 | 17°21 | 3°16 | 3°13 | 22°47 | 20° 9 | S 20 |
| M21 | 8 19 22 | 6° 7'03 | 28° 0 | 14° 7 | 19°24 | 15°44 | 14°34 | 0°53 | 19°43 | 15°35 | 17°20 | 3°16 | 3°10 | 22°54 | 20°10 | M21 |
| T 22 | 8 23 19 | 7° 7'45 | 10♉ 9 | 15°56 | 20°26 | 16°30 | 14°47 | 0°59 | 19°43 | 15°34 | 17°18 | 3°D15 | 3° 6 | 23° 1 | 20°11 | T 22 |
| W23 | 8 27 16 | 8° 8'25 | 22°33 | 17°45 | 21°29 | 17°17 | 15° 0 | 1° 4 | 19°43 | 15°34 | 17°17 | 3°16 | 3° 3 | 23° 7 | 20°11 | W23 |
| T 24 | 8 31 12 | 9° 9'03 | 5♊18 | 19°34 | 22°32 | 18° 3 | 15°13 | 1°10 | 19°42 | 15°34 | 17°15 | 3°16 | 3° 0 | 23°14 | 20°12 | T 24 |
| F 25 | 8 35 9 | 10° 9'40 | 18°25 | 21°23 | 23°35 | 18°50 | 15°26 | 1°16 | 19°42 | 15°33 | 17°14 | 3°17 | 2°57 | 23°21 | 20°12 | F 25 |
| S 26 | 8 39 5 | 11°10'15 | 1♋58 | 23°11 | 24°39 | 19°36 | 15°39 | 1°21 | 19°42 | 15°33 | 17°12 | 3°17 | 2°54 | 23°27 | 20°13 | S 26 |
| S 27 | 8 43 2 | 12°10'48 | 15°57 | 24°58 | 25°43 | 20°23 | 15°52 | 1°27 | 19°41 | 15°32 | 17°11 | 3°18 | 2°51 | 23°34 | 20°13 | S 27 |
| M28 | 8 46 58 | 13°11'20 | 0♌19 | 26°43 | 26°47 | 21° 9 | 16° 6 | 1°33 | 19°41 | 15°32 | 17° 9 | 3°R18 | 2°47 | 23°41 | 20°R13 | M28 |
| T 29 | 8 50 55 | 14°11'49 | 15° 1 | 28°27 | 27°51 | 21°56 | 16°19 | 1°39 | 19°40 | 15°31 | 17° 8 | 3°18 | 2°44 | 23°47 | 20°13 | T 29 |
| W30 | 8 54 51 | 15°12'18 | 29°56 | 0♓ 9 | 28°56 | 22°43 | 16°32 | 1°45 | 19°40 | 15°31 | 17° 6 | 3°17 | 2°41 | 23°54 | 20°13 | W30 |
| T 31 | 8 58 48 | 16♒12'44 | 14♍54 | 1♓48 | 0♑ 1 | 23♑29 | 16♓46 | 1♈51 | 19♎39 | 15♎30 | 17♌ 5 | 3♒16 | 2♒38 | 24♓ 1 | 20♎13 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s38 | 18n26 | 0s18 | 24s56 | 1s43 | 16s12 | 4n10 | 24s16 | 0s42 | 8s47 | 1s13 | 2s29 | 2s26 | 7s 8 | 0n36 | 4s31 | 1n47 | 26n38 | 11n39 | 19s32 | 19s19 | 0s17 | 9s40 | 2s10 |
| W 2 | 22 30 | 13 2 | 1 37 | 24 52 | 1 46 | 16 24 | 4 9 | 24 17 | 0 43 | 8 43 | 1 13 | 2 28 | 2 26 | 7 9 | 0 36 | 4 31 | 1 47 | 26 38 | 11 39 | 19 32 | 19 19 | 0 14 | 9 41 | 2 10 |
| T 3 | 22 23 | 6 54 | 2 49 | 24 46 | 1 50 | 16 36 | 4 8 | 24 17 | 0 43 | 8 38 | 1 13 | 2 26 | 2 25 | 7 9 | 0 36 | 4 31 | 1 47 | 26 39 | 11 39 | 19 32 | 19 20 | 0 11 | 9 42 | 2 10 |
| F 4 | 22 14 | 0 26 | 3 51 | 24 39 | 1 53 | 16 48 | 4 6 | 24 17 | 0 44 | 8 34 | 1 13 | 2 24 | 2 25 | 7 9 | 0 36 | 4 31 | 1 47 | 26 40 | 11 40 | 19 31 | 19 21 | 0 8 | 9 43 | 2 10 |
| S 5 | 22 6 | 5s59 | 4 37 | 24 30 | 1 55 | 17 0 | 4 5 | 24 16 | 0 44 | 8 29 | 1 12 | 2 22 | 2 25 | 7 10 | 0 36 | 4 31 | 1 47 | 26 40 | 11 40 | 19 31 | 19 22 | 0 5 | 9 44 | 2 10 |
| S 6 | 21 56 | 12 1 | 5 6 | 24 20 | 1 58 | 17 12 | 4 3 | 24 15 | 0 45 | 8 25 | 1 12 | 2 20 | 2 25 | 7 10 | 0 37 | 4 31 | 1 48 | 26 41 | 11 40 | 19 31 | 19 22 | 0 1 | 9 45 | 2 10 |
| M 7 | 21 47 | 17 22 | 5 17 | 24 8 | 1 59 | 17 23 | 4 1 | 24 14 | 0 45 | 8 20 | 1 12 | 2 18 | 2 24 | 7 10 | 0 37 | 4 31 | 1 48 | 26 42 | 11 40 | 19 31 | 19 23 | 0n 2 | 9 46 | 2 9 |
| T 8 | 21 37 | 21 43 | 5 9 | 23 54 | 2 1 | 17 35 | 3 59 | 24 13 | 0 46 | 8 15 | 1 12 | 2 16 | 2 24 | 7 10 | 0 37 | 4 31 | 1 48 | 26 42 | 11 41 | 19 31 | 19 24 | 0 5 | 9 47 | 2 9 |
| W 9 | 21 26 | 24 50 | 4 44 | 23 38 | 2 2 | 17 47 | 3 57 | 24 11 | 0 46 | 8 11 | 1 12 | 2 14 | 2 24 | 7 10 | 0 37 | 4 31 | 1 48 | 26 43 | 11 41 | 19 32 | 19 25 | 0 8 | 9 48 | 2 9 |
| T 10 | 21 16 | 26 32 | 4 3 | 23 21 | 2 3 | 17 58 | 3 54 | 24 9 | 0 47 | 8 6 | 1 12 | 2 12 | 2 24 | 7 11 | 0 37 | 4 31 | 1 48 | 26 44 | 11 41 | 19 32 | 19 25 | 0 11 | 9 49 | 2 9 |
| F 11 | 21 4 | 26 42 | 3 11 | 23 2 | 2 3 | 18 9 | 3 52 | 24 7 | 0 48 | 8 1 | 1 12 | 2 10 | 2 24 | 7 11 | 0 37 | 4 31 | 1 48 | 26 44 | 11 41 | 19 32 | 19 26 | 0 15 | 9 50 | 2 9 |
| S 12 | 20 53 | 25 25 | 2 10 | 22 41 | 2 3 | 18 21 | 3 49 | 24 5 | 0 48 | 7 56 | 1 11 | 2 8 | 2 23 | 7 11 | 0 37 | 4 31 | 1 48 | 26 45 | 11 41 | 19 32 | 19 27 | 0 18 | 9 50 | 2 9 |
| S 13 | 20 41 | 22 51 | 1 3 | 22 19 | 2 3 | 18 31 | 3 46 | 24 2 | 0 49 | 7 52 | 1 11 | 2 6 | 2 23 | 7 11 | 0 37 | 4 31 | 1 48 | 26 46 | 11 42 | 19 32 | 19 28 | 0 21 | 9 51 | 2 9 |
| M14 | 20 28 | 19 14 | 0n 5 | 21 55 | 2 2 | 18 42 | 3 43 | 23 59 | 0 49 | 7 47 | 1 11 | 2 4 | 2 23 | 7 11 | 0 37 | 4 31 | 1 48 | 26 46 | 11 42 | 19 32 | 19 28 | 0 24 | 9 52 | 2 9 |
| T 15 | 20 15 | 14 50 | 1 13 | 21 29 | 2 1 | 18 53 | 3 40 | 23 56 | 0 50 | 7 42 | 1 11 | 2 2 | 2 23 | 7 11 | 0 37 | 4 31 | 1 48 | 26 47 | 11 42 | 19 32 | 19 29 | 0 27 | 9 52 | 2 9 |
| W16 | 20 2 | 9 56 | 2 16 | 21 1 | 1 59 | 19 3 | 3 37 | 23 52 | 0 50 | 7 37 | 1 11 | 2 0 | 2 22 | 7 11 | 0 37 | 4 31 | 1 48 | 26 47 | 11 42 | 19 32 | 19 30 | 0 31 | 9 53 | 2 9 |
| T 17 | 19 49 | 4 43 | 3 12 | 20 32 | 1 56 | 19 13 | 3 34 | 23 49 | 0 51 | 7 32 | 1 11 | 1 58 | 2 22 | 7 11 | 0 37 | 4 31 | 1 48 | 26 48 | 11 42 | 19 32 | 19 31 | 0 34 | 9 53 | 2 9 |
| F 18 | 19 35 | 0n37 | 4 0 | 20 1 | 1 53 | 19 22 | 3 31 | 23 45 | 0 51 | 7 27 | 1 11 | 1 55 | 2 22 | 7 11 | 0 37 | 4 30 | 1 48 | 26 49 | 11 43 | 19 32 | 19 31 | 0 37 | 9 54 | 2 9 |
| S 19 | 19 20 | 5 54 | 4 38 | 19 28 | 1 49 | 19 32 | 3 27 | 23 40 | 0 52 | 7 22 | 1 11 | 1 53 | 2 22 | 7 11 | 0 37 | 4 30 | 1 48 | 26 49 | 11 43 | 19 32 | 19 32 | 0 40 | 9 54 | 2 9 |
| S 20 | 19 6 | 11 0 | 5 3 | 18 53 | 1 45 | 19 40 | 3 24 | 23 36 | 0 52 | 7 17 | 1 11 | 1 51 | 2 22 | 7 11 | 0 37 | 4 30 | 1 48 | 26 50 | 11 43 | 19 32 | 19 33 | 0 43 | 9 54 | 2 9 |
| M21 | 18 51 | 15 44 | 5 16 | 18 17 | 1 40 | 19 49 | 3 20 | 23 31 | 0 53 | 7 12 | 1 10 | 1 48 | 2 22 | 7 11 | 0 37 | 4 30 | 1 49 | 26 51 | 11 43 | 19 32 | 19 34 | 0 46 | 9 55 | 2 9 |
| T 22 | 18 36 | 19 55 | 5 15 | 17 39 | 1 35 | 19 57 | 3 17 | 23 26 | 0 53 | 7 6 | 1 10 | 1 46 | 2 21 | 7 11 | 0 37 | 4 30 | 1 49 | 26 51 | 11 43 | 19 32 | 19 34 | 0 50 | 9 55 | 2 9 |
| W23 | 18 20 | 23 20 | 5 0 | 17 0 | 1 29 | 20 5 | 3 13 | 23 20 | 0 54 | 7 1 | 1 10 | 1 44 | 2 21 | 7 11 | 0 37 | 4 29 | 1 49 | 26 52 | 11 43 | 19 32 | 19 35 | 0 53 | 9 55 | 2 9 |
| T 24 | 18 4 | 25 43 | 4 29 | 16 20 | 1 22 | 20 13 | 3 9 | 23 15 | 0 54 | 6 56 | 1 10 | 1 41 | 2 21 | 7 11 | 0 37 | 4 29 | 1 49 | 26 52 | 11 43 | 19 32 | 19 36 | 0 56 | 9 55 | 2 9 |
| F 25 | 17 48 | 26 47 | 3 44 | 15 38 | 1 14 | 20 20 | 3 5 | 23 9 | 0 55 | 6 51 | 1 10 | 1 39 | 2 21 | 7 11 | 0 37 | 4 29 | 1 49 | 26 53 | 11 44 | 19 32 | 19 37 | 0 59 | 9 56 | 2 9 |
| S 26 | 17 31 | 26 19 | 2 45 | 14 55 | 1 6 | 20 27 | 3 2 | 23 3 | 0 55 | 6 46 | 1 10 | 1 36 | 2 21 | 7 10 | 0 37 | 4 29 | 1 49 | 26 54 | 11 44 | 19 32 | 19 37 | 1 2 | 9 56 | 2 9 |
| S 27 | 17 14 | 24 11 | 1 35 | 14 10 | 0 57 | 20 33 | 2 58 | 22 56 | 0 56 | 6 40 | 1 10 | 1 34 | 2 20 | 7 10 | 0 37 | 4 29 | 1 49 | 26 54 | 11 44 | 19 32 | 19 38 | 1 5 | 9 56 | 2 9 |
| M28 | 16 57 | 20 28 | 0 17 | 13 25 | 0 48 | 20 39 | 2 54 | 22 49 | 0 56 | 6 35 | 1 10 | 1 31 | 2 20 | 7 10 | 0 37 | 4 28 | 1 49 | 26 55 | 11 44 | 19 32 | 19 39 | 1 9 | 9 56 | 2 9 |
| T 29 | 16 40 | 15 24 | 1s 4 | 12 40 | 0 37 | 20 44 | 2 49 | 22 42 | 0 57 | 6 30 | 1 10 | 1 29 | 2 20 | 7 10 | 0 37 | 4 28 | 1 49 | 26 55 | 11 44 | 19 32 | 19 40 | 1 12 | 9 56 | 2 9 |
| W30 | 16 22 | 9 21 | 2 22 | 11 54 | 0 26 | 20 49 | 2 45 | 22 35 | 0 57 | 6 24 | 1 10 | 1 26 | 2 20 | 7 10 | 0 37 | 4 28 | 1 49 | 26 56 | 11 44 | 19 32 | 19 40 | 1 15 | 9 56 | 2 9 |
| T 31 | 16s 4 | 2n45 | 3s31 | 11s 7 | 0s15 | 20s53 | 2n41 | 22s28 | 0s58 | 6s19 | 1s 9 | 1s24 | 2s20 | 7s 9 | 0n37 | 4s27 | 1n49 | 26n56 | 11n44 | 19s32 | 19s41 | 1n18 | 9s55 | 2s 9 |

Julian Day Number = 2074254.5, Delta T = 27m15s
Ecliptic obliquity = 23°34'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'37, Lahiri = 9°27'38 Julian Calendar 1 Jan. 967 == Greg. Calendar 6 Jan. 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## FEBRUARY 967 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 2 45 | 17♒13'09 | 29♍49 | 3♓24 | 1♉ 6 | 24♉16 | 16♓59 | 1♈57 | 19°R38 | 15°R29 | 17°R 3 | 3°R14 | 2♒35 | 24♓ 7 | 20°R12 | F 1 |
| S 2 | 9 6 41 | 18°13'32 | 14♎32 | 4°56 | 2°11 | 25° 2 | 17°13 | 2° 3 | 19♎38 | 15♎29 | 17♌ 2 | 3♒13 | 2°31 | 24°14 | 20♎12 | S 2 |
| S 3 | 9 10 38 | 19°13'54 | 28°58 | 6°24 | 3°17 | 25°49 | 17°27 | 2°10 | 19°37 | 15°28 | 17° 0 | 3°11 | 2°28 | 24°21 | 20°11 | S 3 |
| M 4 | 9 14 34 | 20°14'15 | 13♏ 3 | 7°47 | 4°22 | 26°36 | 17°40 | 2°16 | 19°36 | 15°27 | 16°59 | 3°10 | 2°25 | 24°28 | 20°10 | M 4 |
| T 5 | 9 18 31 | 21°14'34 | 26°47 | 9° 5 | 5°28 | 27°23 | 17°54 | 2°22 | 19°35 | 15°26 | 16°57 | 3°D10 | 2°22 | 24°34 | 20°10 | T 5 |
| W 6 | 9 22 27 | 22°14'52 | 10♐ 9 | 10°16 | 6°35 | 28° 9 | 18° 8 | 2°29 | 19°34 | 15°26 | 16°56 | 3°11 | 2°19 | 24°41 | 20° 9 | W 6 |
| T 7 | 9 26 24 | 23°15'08 | 23°13 | 11°21 | 7°41 | 28°56 | 18°22 | 2°35 | 19°33 | 15°25 | 16°54 | 3°12 | 2°16 | 24°48 | 20° 8 | T 7 |
| F 8 | 9 30 20 | 24°15'23 | 5♑59 | 12°18 | 8°48 | 29°43 | 18°36 | 2°42 | 19°32 | 15°24 | 16°53 | 3°14 | 2°12 | 24°54 | 20° 6 | F 8 |
| S 9 | 9 34 17 | 25°15'36 | 18°31 | 13° 8 | 9°54 | 0♒30 | 18°49 | 2°48 | 19°31 | 15°23 | 16°51 | 3°15 | 2° 9 | 25° 1 | 20° 5 | S 9 |
| S 10 | 9 38 14 | 26°15'47 | 0♒51 | 13°49 | 11° 1 | 1°16 | 19° 3 | 2°55 | 19°30 | 15°22 | 16°50 | 3°R16 | 2° 6 | 25° 8 | 20° 4 | S 10 |
| M11 | 9 42 10 | 27°15'57 | 13° 2 | 14°21 | 12° 8 | 2° 3 | 19°17 | 3° 2 | 19°29 | 15°21 | 16°48 | 3°16 | 2° 3 | 25°14 | 20° 2 | M11 |
| T 12 | 9 46 7 | 28°16'05 | 25° 5 | 14°44 | 13°15 | 2°50 | 19°31 | 3° 8 | 19°27 | 15°20 | 16°47 | 3°14 | 2° 0 | 25°21 | 20° 1 | T 12 |
| W13 | 9 50 3 | 29°16'10 | 7♓ 3 | 14°58 | 14°23 | 3°37 | 19°45 | 3°15 | 19°26 | 15°19 | 16°45 | 3°11 | 1°57 | 25°28 | 19°59 | W13 |
| T 14 | 9 54 0 | 0♓16'14 | 18°56 | 15°R 3 | 15°30 | 4°24 | 20° 0 | 3°22 | 19°25 | 15°18 | 16°44 | 3° 7 | 1°53 | 25°34 | 19°57 | T 14 |
| F 15 | 9 57 56 | 1°16'16 | 0♈46 | 14°58 | 16°38 | 5°11 | 20°14 | 3°29 | 19°23 | 15°17 | 16°42 | 3° 2 | 1°50 | 25°41 | 19°55 | F 15 |
| S 16 | 10 1 53 | 2°16'16 | 12°37 | 14°45 | 17°46 | 5°57 | 20°28 | 3°35 | 19°22 | 15°16 | 16°41 | 2°56 | 1°47 | 25°48 | 19°53 | S 16 |
| S 17 | 10 5 49 | 3°16'13 | 24°29 | 14°23 | 18°54 | 6°44 | 20°42 | 3°42 | 19°20 | 15°15 | 16°39 | 2°51 | 1°44 | 25°55 | 19°51 | S 17 |
| M18 | 10 9 46 | 4°16'09 | 6♉28 | 13°53 | 20° 2 | 7°31 | 20°56 | 3°49 | 19°19 | 15°14 | 16°38 | 2°47 | 1°41 | 26° 1 | 19°49 | M18 |
| T 19 | 10 13 43 | 5°16'02 | 18°35 | 13°17 | 21°10 | 8°18 | 21°10 | 3°56 | 19°17 | 15°13 | 16°37 | 2°44 | 1°37 | 26° 8 | 19°47 | T 19 |
| W20 | 10 17 39 | 6°15'53 | 0♊56 | 12°34 | 22°18 | 9° 5 | 21°25 | 4° 3 | 19°16 | 15°11 | 16°35 | 2°D43 | 1°34 | 26°15 | 19°44 | W20 |
| T 21 | 10 21 36 | 7°15'42 | 13°34 | 11°45 | 23°27 | 9°52 | 21°39 | 4°10 | 19°14 | 15°10 | 16°34 | 2°43 | 1°31 | 26°21 | 19°42 | T 21 |
| F 22 | 10 25 32 | 8°15'28 | 26°34 | 10°53 | 24°35 | 10°38 | 21°53 | 4°18 | 19°12 | 15° 9 | 16°32 | 2°44 | 1°28 | 26°28 | 19°39 | F 22 |
| S 23 | 10 29 29 | 9°15'12 | 10♋ 0 | 9°58 | 25°44 | 11°25 | 22° 8 | 4°25 | 19°11 | 15° 8 | 16°31 | 2°46 | 1°25 | 26°35 | 19°36 | S 23 |
| S 24 | 10 33 25 | 10°14'54 | 23°52 | 9° 2 | 26°52 | 12°12 | 22°22 | 4°32 | 19° 9 | 15° 7 | 16°30 | 2°47 | 1°22 | 26°41 | 19°34 | S 24 |
| M25 | 10 37 22 | 11°14'34 | 8♌13 | 8° 5 | 28° 1 | 12°59 | 22°36 | 4°39 | 19° 7 | 15° 5 | 16°28 | 2°R47 | 1°18 | 26°48 | 19°31 | M25 |
| T 26 | 10 41 18 | 12°14'11 | 22°59 | 7° 9 | 29°10 | 13°46 | 22°51 | 4°46 | 19° 5 | 15° 4 | 16°27 | 2°45 | 1°15 | 26°55 | 19°28 | T 26 |
| W27 | 10 45 15 | 13°13'46 | 8♍ 4 | 6°15 | 0♒19 | 14°33 | 23° 5 | 4°54 | 19° 3 | 15° 3 | 16°26 | 2°42 | 1°12 | 27° 2 | 19°25 | W27 |
| T 28 | 10 49 12 | 14♓13'19 | 23♍19 | 5♓25 | 1♒28 | 15♒20 | 23♓19 | 5♈ 1 | 19♎ 2 | 15♎ 1 | 16♌24 | 2♒37 | 1♒ 9 | 27♓ 8 | 19♎22 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 15s46 | 3s58 | 4s24 | 10s21 | 0s 2 | 20s57 | 2n37 | 22s20 | 0s58 | 6s14 | 1s 9 | 1s21 | 2s20 | 7s 9 | 0n37 | 4s27 | 1n49 | 26n57 | 11n44 | 19s33 | 19s42 | 1n21 | 9s55 | 2s 8 | F 1 |
| S 2 | 15 27 | 10 21 | 5 0 | 9 35 | 0n11 | 21 1 | 2 33 | 22 12 | 0 58 | 6 8 | 1 9 | 1 19 | 2 20 | 7 9 | 0 37 | 4 27 | 1 49 | 26 58 | 11 44 | 19 33 | 19 42 | 1 24 | 9 55 | 2 8 | S 2 |
| S 3 | 15 8 | 16 4 | 5 15 | 8 50 | 0 24 | 21 4 | 2 28 | 22 4 | 0 59 | 6 3 | 1 9 | 1 16 | 2 19 | 7 8 | 0 37 | 4 27 | 1 49 | 26 58 | 11 44 | 19 33 | 19 43 | 1 28 | 9 55 | 2 8 | S 3 |
| M 4 | 14 49 | 20 47 | 5 11 | 8 6 | 0 38 | 21 6 | 2 24 | 21 55 | 0 59 | 5 57 | 1 9 | 1 13 | 2 19 | 7 8 | 0 37 | 4 26 | 1 49 | 26 59 | 11 44 | 19 33 | 19 44 | 1 31 | 9 54 | 2 8 | M 4 |
| T 5 | 14 30 | 24 14 | 4 50 | 7 24 | 0 53 | 21 8 | 2 20 | 21 47 | 1 0 | 5 52 | 1 9 | 1 11 | 2 19 | 7 8 | 0 37 | 4 26 | 1 49 | 26 59 | 11 44 | 19 33 | 19 45 | 1 34 | 9 54 | 2 8 | T 5 |
| W 6 | 14 10 | 26 16 | 4 13 | 6 43 | 1 8 | 21 10 | 2 15 | 21 38 | 1 0 | 5 47 | 1 9 | 1 8 | 2 19 | 7 7 | 0 37 | 4 25 | 1 49 | 27 0 | 11 45 | 19 33 | 19 45 | 1 37 | 9 54 | 2 8 | W 6 |
| T 7 | 13 51 | 26 47 | 3 23 | 6 5 | 1 22 | 21 10 | 2 11 | 21 29 | 1 1 | 5 41 | 1 9 | 1 5 | 2 19 | 7 7 | 0 37 | 4 25 | 1 50 | 27 0 | 11 45 | 19 33 | 19 46 | 1 40 | 9 53 | 2 8 | T 7 |
| F 8 | 13 31 | 25 51 | 2 25 | 5 29 | 1 37 | 21 11 | 2 6 | 21 19 | 1 1 | 5 36 | 1 9 | 1 2 | 2 19 | 7 7 | 0 37 | 4 25 | 1 50 | 27 1 | 11 45 | 19 33 | 19 47 | 1 43 | 9 53 | 2 8 | F 8 |
| S 9 | 13 10 | 23 37 | 1 20 | 4 56 | 1 52 | 21 11 | 2 2 | 21 10 | 1 1 | 5 30 | 1 9 | 1 0 | 2 19 | 7 6 | 0 37 | 4 24 | 1 50 | 27 1 | 11 45 | 19 32 | 19 47 | 1 46 | 9 52 | 2 8 | S 9 |
| S 10 | 12 50 | 20 18 | 0 13 | 4 27 | 2 7 | 21 10 | 1 57 | 21 0 | 1 2 | 5 24 | 1 9 | 0 57 | 2 18 | 7 6 | 0 37 | 4 24 | 1 50 | 27 2 | 11 45 | 19 32 | 19 48 | 1 50 | 9 51 | 2 8 | S 10 |
| M11 | 12 29 | 16 8 | 0n54 | 4 2 | 2 21 | 21 9 | 1 53 | 20 49 | 1 2 | 5 19 | 1 9 | 0 54 | 2 18 | 7 5 | 0 37 | 4 24 | 1 50 | 27 2 | 11 45 | 19 32 | 19 49 | 1 53 | 9 51 | 2 8 | M11 |
| T 12 | 12 9 | 11 24 | 1 57 | 3 40 | 2 35 | 21 7 | 1 48 | 20 39 | 1 3 | 5 13 | 1 9 | 0 51 | 2 18 | 7 5 | 0 37 | 4 23 | 1 50 | 27 3 | 11 45 | 19 33 | 19 50 | 1 56 | 9 50 | 2 8 | T 12 |
| W13 | 11 48 | 6 16 | 2 55 | 3 23 | 2 48 | 21 4 | 1 44 | 20 29 | 1 3 | 5 8 | 1 9 | 0 49 | 2 18 | 7 4 | 0 38 | 4 23 | 1 50 | 27 3 | 11 45 | 19 33 | 19 50 | 1 59 | 9 49 | 2 8 | W13 |
| T 14 | 11 26 | 0 58 | 3 45 | 3 10 | 3 0 | 21 1 | 1 39 | 20 18 | 1 3 | 5 2 | 1 8 | 0 46 | 2 18 | 7 4 | 0 38 | 4 22 | 1 50 | 27 4 | 11 45 | 19 34 | 19 51 | 2 2 | 9 49 | 2 7 | T 14 |
| F 15 | 11 5 | 4n21 | 4 25 | 3 1 | 3 11 | 20 58 | 1 35 | 20 7 | 1 4 | 4 56 | 1 8 | 0 43 | 2 18 | 7 3 | 0 38 | 4 22 | 1 50 | 27 4 | 11 45 | 19 35 | 19 52 | 2 5 | 9 48 | 2 7 | F 15 |
| S 16 | 10 43 | 9 30 | 4 53 | 2 58 | 3 20 | 20 54 | 1 31 | 19 56 | 1 4 | 4 51 | 1 8 | 0 40 | 2 18 | 7 3 | 0 38 | 4 21 | 1 50 | 27 5 | 11 45 | 19 37 | 19 52 | 2 9 | 9 47 | 2 7 | S 16 |
| S 17 | 10 22 | 14 19 | 5 9 | 2 59 | 3 28 | 20 49 | 1 26 | 19 44 | 1 5 | 4 45 | 1 8 | 0 37 | 2 18 | 7 2 | 0 38 | 4 21 | 1 50 | 27 5 | 11 45 | 19 38 | 19 53 | 2 12 | 9 46 | 2 7 | S 17 |
| M18 | 10 0 | 18 39 | 5 12 | 3 4 | 3 35 | 20 44 | 1 22 | 19 32 | 1 5 | 4 39 | 1 8 | 0 34 | 2 17 | 7 1 | 0 38 | 4 20 | 1 50 | 27 6 | 11 45 | 19 39 | 19 54 | 2 15 | 9 45 | 2 7 | M18 |
| T 19 | 9 38 | 22 16 | 5 0 | 3 14 | 3 39 | 20 38 | 1 17 | 19 21 | 1 5 | 4 34 | 1 8 | 0 31 | 2 17 | 7 1 | 0 38 | 4 20 | 1 50 | 27 6 | 11 45 | 19 40 | 19 55 | 2 18 | 9 44 | 2 7 | T 19 |
| W20 | 9 16 | 24 57 | 4 35 | 3 28 | 3 42 | 20 31 | 1 13 | 19 9 | 1 6 | 4 28 | 1 8 | 0 29 | 2 17 | 7 0 | 0 38 | 4 19 | 1 50 | 27 6 | 11 45 | 19 40 | 19 55 | 2 21 | 9 43 | 2 7 | W20 |
| T 21 | 8 54 | 26 28 | 3 57 | 3 46 | 3 43 | 20 24 | 1 8 | 18 56 | 1 6 | 4 22 | 1 8 | 0 26 | 2 17 | 6 59 | 0 38 | 4 19 | 1 50 | 27 7 | 11 44 | 19 40 | 19 56 | 2 24 | 9 42 | 2 7 | T 21 |
| F 22 | 8 31 | 26 36 | 3 5 | 4 7 | 3 41 | 20 17 | 1 4 | 18 44 | 1 6 | 4 17 | 1 8 | 0 23 | 2 17 | 6 59 | 0 38 | 4 18 | 1 50 | 27 7 | 11 44 | 19 40 | 19 57 | 2 27 | 9 41 | 2 6 | F 22 |
| S 23 | 8 9 | 25 12 | 2 1 | 4 30 | 3 38 | 20 9 | 0 59 | 18 31 | 1 7 | 4 11 | 1 8 | 0 20 | 2 17 | 6 58 | 0 38 | 4 18 | 1 50 | 27 8 | 11 44 | 19 39 | 19 57 | 2 30 | 9 40 | 2 6 | S 23 |
| S 24 | 7 46 | 22 15 | 0 48 | 4 57 | 3 33 | 20 0 | 0 55 | 18 18 | 1 7 | 4 5 | 1 8 | 0 17 | 2 17 | 6 57 | 0 38 | 4 17 | 1 50 | 27 8 | 11 44 | 19 39 | 19 58 | 2 34 | 9 38 | 2 6 | S 24 |
| M25 | 7 23 | 17 50 | 0s30 | 5 24 | 3 26 | 19 51 | 0 51 | 18 5 | 1 7 | 3 59 | 1 8 | 0 14 | 2 17 | 6 57 | 0 38 | 4 17 | 1 50 | 27 8 | 11 44 | 19 39 | 19 59 | 2 37 | 9 37 | 2 6 | M25 |
| T 26 | 7 1 | 12 14 | 1 48 | 5 53 | 3 17 | 19 41 | 0 46 | 17 52 | 1 8 | 3 54 | 1 8 | 0 11 | 2 17 | 6 56 | 0 38 | 4 16 | 1 50 | 27 9 | 11 44 | 19 39 | 20 0 | 2 40 | 9 36 | 2 6 | T 26 |
| W27 | 6 38 | 5 49 | 3 0 | 6 22 | 3 7 | 19 31 | 0 42 | 17 39 | 1 8 | 3 48 | 1 8 | 0 8 | 2 17 | 6 55 | 0 38 | 4 16 | 1 50 | 27 9 | 11 44 | 19 40 | 20 0 | 2 43 | 9 35 | 2 6 | W27 |
| T 28 | 6s15 | 1s 0 | 4s 0 | 6s52 | 2n55 | 19s20 | 0n38 | 17s25 | 1s 8 | 3s42 | 1s 8 | 0s 5 | 2s17 | 6s55 | 0n38 | 4s15 | 1n50 | 27n 9 | 11n44 | 19s41 | 20s 1 | 2n46 | 9s33 | 2s 6 | T 28 |

Julian Day Number = 2074285.5, Delta T = 27m15s
Ecliptic obliquity = 23°34'28, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'41, Lahiri = 9°27'42 Julian Calendar 1 Feb. 967 == Greg. Calendar 6 Feb. 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## MARCH 967 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 53 8 | 15♓12'50 | 8♎34 | 4°R38 | 2♒38 | 16♒ 6 | 23♓34 | 5♈ 8 | 19°R 0 | 15°R 0 | 16°R23 | 2°R31 | 1♒ 6 | 27♓15 | 19°R18 | F 1 |
| S 2 | 10 57 5 | 16°12'19 | 23°39 | 3♓56 | 3°47 | 16°53 | 23°48 | 5°16 | 18♎58 | 14♎59 | 16♌22 | 2♒24 | 1° 3 | 27°22 | 19♎15 | S 2 |
| S 3 | 11 1 1 | 17°11'46 | 8♏24 | 3°18 | 4°56 | 17°40 | 24° 3 | 5°23 | 18°56 | 14°57 | 16°20 | 2°18 | 0°59 | 27°28 | 19°12 | S 3 |
| M 4 | 11 4 58 | 18°11'11 | 22°43 | 2°47 | 6° 6 | 18°27 | 24°17 | 5°30 | 18°54 | 14°56 | 16°19 | 2°14 | 0°56 | 27°35 | 19° 8 | M 4 |
| T 5 | 11 8 54 | 19°10'35 | 6♐35 | 2°21 | 7°16 | 19°14 | 24°32 | 5°38 | 18°52 | 14°54 | 16°18 | 2°11 | 0°53 | 27°42 | 19° 5 | T 5 |
| W 6 | 11 12 51 | 20° 9'57 | 19°59 | 2° 1 | 8°25 | 20° 1 | 24°46 | 5°45 | 18°49 | 14°53 | 16°17 | 2°D10 | 0°50 | 27°48 | 19° 1 | W 6 |
| T 7 | 11 16 47 | 21° 9'17 | 2♑59 | 1°47 | 9°35 | 20°48 | 25° 1 | 5°53 | 18°47 | 14°51 | 16°16 | 2°11 | 0°47 | 27°55 | 18°58 | T 7 |
| F 8 | 11 20 44 | 22° 8'35 | 15°37 | 1°39 | 10°45 | 21°34 | 25°15 | 6° 0 | 18°45 | 14°50 | 16°14 | 2°12 | 0°43 | 28° 2 | 18°54 | F 8 |
| S 9 | 11 24 41 | 23° 7'51 | 27°59 | 1°D36 | 11°55 | 22°21 | 25°30 | 6° 8 | 18°43 | 14°49 | 16°13 | 2°R13 | 0°40 | 28° 9 | 18°50 | S 9 |
| S 10 | 11 28 37 | 24° 7'06 | 10♒ 7 | 1°39 | 13° 5 | 23° 8 | 25°44 | 6°15 | 18°41 | 14°47 | 16°12 | 2°13 | 0°37 | 28°15 | 18°46 | S 10 |
| M11 | 11 32 34 | 25° 6'18 | 22° 7 | 1°48 | 14°15 | 23°55 | 25°59 | 6°23 | 18°38 | 14°45 | 16°11 | 2°10 | 0°34 | 28°22 | 18°42 | M11 |
| T 12 | 11 36 30 | 26° 5'29 | 4♓ 2 | 2° 2 | 15°25 | 24°42 | 26°13 | 6°30 | 18°36 | 14°44 | 16°10 | 2° 6 | 0°31 | 28°29 | 18°38 | T 12 |
| W13 | 11 40 27 | 27° 4'37 | 15°53 | 2°21 | 16°35 | 25°28 | 26°28 | 6°38 | 18°34 | 14°42 | 16° 9 | 1°59 | 0°28 | 28°35 | 18°34 | W13 |
| T 14 | 11 44 23 | 28° 3'43 | 27°43 | 2°45 | 17°46 | 26°15 | 26°42 | 6°45 | 18°32 | 14°41 | 16° 8 | 1°49 | 0°24 | 28°42 | 18°30 | T 14 |
| F 15 | 11 48 20 | 29° 2'48 | 9♈34 | 3°13 | 18°56 | 27° 2 | 26°57 | 6°53 | 18°29 | 14°39 | 16° 7 | 1°38 | 0°21 | 28°49 | 18°26 | F 15 |
| S 16 | 11 52 16 | 0♈ 1'50 | 21°28 | 3°46 | 20° 6 | 27°49 | 27°11 | 7° 1 | 18°27 | 14°38 | 16° 6 | 1°27 | 0°18 | 28°55 | 18°22 | S 16 |
| S 17 | 11 56 13 | 1° 0'50 | 3♉25 | 4°23 | 21°17 | 28°35 | 27°26 | 7° 8 | 18°24 | 14°36 | 16° 5 | 1°16 | 0°15 | 29° 2 | 18°17 | S 17 |
| M18 | 12 0 9 | 1°59'48 | 15°28 | 5° 4 | 22°27 | 29°22 | 27°40 | 7°16 | 18°22 | 14°35 | 16° 4 | 1° 6 | 0°12 | 29° 9 | 18°13 | M18 |
| T 19 | 12 4 6 | 2°58'44 | 27°39 | 5°48 | 23°38 | 0♓ 9 | 27°55 | 7°23 | 18°20 | 14°33 | 16° 3 | 0°58 | 0° 9 | 29°16 | 18° 9 | T 19 |
| W20 | 12 8 3 | 3°57'37 | 10♊ 1 | 6°36 | 24°48 | 0°55 | 28° 9 | 7°31 | 18°17 | 14°31 | 16° 2 | 0°53 | 0° 5 | 29°22 | 18° 5 | W20 |
| T 21 | 12 11 59 | 4°56'28 | 22°38 | 7°27 | 25°59 | 1°42 | 28°23 | 7°39 | 18°15 | 14°30 | 16° 1 | 0°50 | 0° 2 | 29°29 | 18° 0 | T 21 |
| F 22 | 12 15 56 | 5°55'17 | 5♋33 | 8°21 | 27°10 | 2°29 | 28°38 | 7°46 | 18°12 | 14°28 | 16° 0 | 0°D50 | 29♑59 | 29°36 | 17°56 | F 22 |
| S 23 | 12 19 52 | 6°54'04 | 18°50 | 9°19 | 28°20 | 3°15 | 28°52 | 7°54 | 18°10 | 14°27 | 15°59 | 0°50 | 29°56 | 29°42 | 17°51 | S 23 |
| S 24 | 12 23 49 | 7°52'48 | 2♌32 | 10°19 | 29°31 | 4° 2 | 29° 7 | 8° 2 | 18° 7 | 14°25 | 15°58 | 0°R50 | 29°53 | 29°49 | 17°47 | S 24 |
| M25 | 12 27 45 | 8°51'30 | 16°41 | 11°22 | 0♓42 | 4°48 | 29°21 | 8° 9 | 18° 5 | 14°23 | 15°57 | 0°49 | 29°49 | 29°56 | 17°42 | M25 |
| T 26 | 12 31 42 | 9°50'09 | 1♍17 | 12°27 | 1°53 | 5°35 | 29°35 | 8°17 | 18° 2 | 14°22 | 15°57 | 0°46 | 29°46 | 0♈ 2 | 17°38 | T 26 |
| W27 | 12 35 38 | 10°48'46 | 16°15 | 13°35 | 3° 4 | 6°22 | 29°50 | 8°24 | 18° 0 | 14°20 | 15°56 | 0°41 | 29°43 | 0° 9 | 17°33 | W27 |
| T 28 | 12 39 35 | 11°47'21 | 1♎29 | 14°46 | 4°15 | 7° 8 | 0♈ 4 | 8°32 | 17°57 | 14°18 | 15°55 | 0°33 | 29°40 | 0°16 | 17°29 | T 28 |
| F 29 | 12 43 32 | 12°45'55 | 16°48 | 15°59 | 5°26 | 7°55 | 0°18 | 8°40 | 17°55 | 14°17 | 15°54 | 0°23 | 29°37 | 0°23 | 17°24 | F 29 |
| S 30 | 12 47 28 | 13°44'26 | 2♏ 1 | 17°14 | 6°37 | 8°41 | 0°33 | 8°47 | 17°52 | 14°15 | 15°54 | 0°12 | 29°34 | 0°29 | 17°19 | S 30 |
| S 31 | 12 51 25 | 14♈42'55 | 16♏57 | 18♓31 | 7♓48 | 9♓27 | 0♈47 | 8♈55 | 17♎50 | 14♎13 | 15♌53 | 0♒ 2 | 29♑30 | 0♈36 | 17♎15 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 5s52 | 7s44 | 4s43 | 7s21 | 2n43 | 19s 8 | 0n33 | 17s11 | 1s 9 | 3s36 | 1s 8 | 0s 2 | 2s17 | 6s54 | 0n38 | 4s15 | 1n51 | 27n10 | 11n44 | 19s43 | 20s 2 | 2n49 | 9s32 | 2s 5 | F 1 |
| S 2 | 5 28 | 13 57 | 5 5 | 7 49 | 2 29 | 18 56 | 0 29 | 16 57 | 1 9 | 3 31 | 1 8 | 0n 1 | 2 16 | 6 53 | 0 38 | 4 14 | 1 51 | 27 10 | 11 44 | 19 44 | 20 2 | 2 52 | 9 30 | 2 5 | S 2 |
| S 3 | 5 5 | 19 13 | 5 7 | 8 15 | 2 15 | 18 44 | 0 25 | 16 43 | 1 9 | 3 25 | 1 8 | 0 4 | 2 16 | 6 52 | 0 38 | 4 13 | 1 51 | 27 10 | 11 44 | 19 45 | 20 3 | 2 55 | 9 29 | 2 5 | S 3 |
| M 4 | 4 42 | 23 13 | 4 49 | 8 41 | 2 0 | 18 31 | 0 21 | 16 29 | 1 9 | 3 19 | 1 8 | 0 7 | 2 16 | 6 51 | 0 38 | 4 13 | 1 51 | 27 11 | 11 44 | 19 47 | 20 4 | 2 59 | 9 28 | 2 5 | M 4 |
| T 5 | 4 18 | 25 43 | 4 15 | 9 4 | 1 45 | 18 17 | 0 17 | 16 15 | 1 10 | 3 13 | 1 8 | 0 10 | 2 16 | 6 51 | 0 38 | 4 12 | 1 51 | 27 11 | 11 43 | 19 47 | 20 4 | 3 2 | 9 26 | 2 5 | T 5 |
| W 6 | 3 55 | 26 39 | 3 28 | 9 25 | 1 30 | 18 3 | 0 13 | 16 0 | 1 10 | 3 8 | 1 8 | 0 13 | 2 16 | 6 50 | 0 38 | 4 12 | 1 51 | 27 11 | 11 43 | 19 47 | 20 5 | 3 5 | 9 25 | 2 5 | W 6 |
| T 7 | 3 32 | 26 3 | 2 31 | 9 44 | 1 15 | 17 49 | 0 9 | 15 45 | 1 10 | 3 2 | 1 8 | 0 16 | 2 16 | 6 49 | 0 38 | 4 11 | 1 51 | 27 11 | 11 43 | 19 47 | 20 6 | 3 8 | 9 23 | 2 4 | T 7 |
| F 8 | 3 8 | 24 7 | 1 28 | 10 1 | 1 0 | 17 33 | 0 5 | 15 30 | 1 10 | 2 56 | 1 8 | 0 19 | 2 16 | 6 48 | 0 38 | 4 11 | 1 51 | 27 12 | 11 43 | 19 47 | 20 7 | 3 11 | 9 21 | 2 4 | F 8 |
| S 9 | 2 45 | 21 3 | 0 23 | 10 16 | 0 45 | 17 18 | 0 1 | 15 15 | 1 11 | 2 50 | 1 8 | 0 22 | 2 16 | 6 47 | 0 38 | 4 10 | 1 51 | 27 12 | 11 43 | 19 47 | 20 7 | 3 14 | 9 20 | 2 4 | S 9 |
| S 10 | 2 21 | 17 8 | 0n42 | 10 29 | 0 30 | 17 2 | 0s 3 | 15 0 | 1 11 | 2 44 | 1 8 | 0 25 | 2 16 | 6 46 | 0 38 | 4 9 | 1 51 | 27 12 | 11 43 | 19 47 | 20 8 | 3 17 | 9 18 | 2 4 | S 10 |
| M11 | 1 57 | 12 34 | 1 45 | 10 39 | 0 16 | 16 45 | 0 7 | 14 45 | 1 11 | 2 39 | 1 8 | 0 28 | 2 16 | 6 46 | 0 38 | 4 9 | 1 51 | 27 12 | 11 43 | 19 47 | 20 9 | 3 20 | 9 16 | 2 4 | M11 |
| T 12 | 1 34 | 7 34 | 2 42 | 10 47 | 0 2 | 16 28 | 0 10 | 14 29 | 1 11 | 2 33 | 1 8 | 0 31 | 2 16 | 6 45 | 0 38 | 4 8 | 1 51 | 27 13 | 11 43 | 19 48 | 20 9 | 3 24 | 9 15 | 2 3 | T 12 |
| W13 | 1 10 | 2 21 | 3 32 | 10 52 | 0s11 | 16 10 | 0 14 | 14 13 | 1 12 | 2 27 | 1 8 | 0 34 | 2 16 | 6 44 | 0 38 | 4 7 | 1 51 | 27 13 | 11 42 | 19 50 | 20 10 | 3 27 | 9 13 | 2 3 | W13 |
| T 14 | 0 46 | 2n57 | 4 12 | 10 56 | 0 24 | 15 52 | 0 18 | 13 58 | 1 12 | 2 21 | 1 8 | 0 37 | 2 16 | 6 43 | 0 38 | 4 7 | 1 51 | 27 13 | 11 42 | 19 52 | 20 11 | 3 30 | 9 11 | 2 3 | T 14 |
| F 15 | 0 23 | 8 8 | 4 42 | 10 57 | 0 36 | 15 34 | 0 21 | 13 42 | 1 12 | 2 16 | 1 8 | 0 40 | 2 16 | 6 42 | 0 38 | 4 6 | 1 51 | 27 13 | 11 42 | 19 54 | 20 11 | 3 33 | 9 9 | 2 3 | F 15 |
| S 16 | 0n 1 | 13 2 | 4 59 | 10 56 | 0 48 | 15 15 | 0 25 | 13 26 | 1 12 | 2 10 | 1 8 | 0 43 | 2 16 | 6 41 | 0 38 | 4 6 | 1 51 | 27 13 | 11 42 | 19 57 | 20 12 | 3 36 | 9 7 | 2 3 | S 16 |
| S 17 | 0 24 | 17 28 | 5 3 | 10 53 | 0 59 | 14 56 | 0 28 | 13 10 | 1 12 | 2 4 | 1 8 | 0 46 | 2 16 | 6 40 | 0 38 | 4 5 | 1 51 | 27 13 | 11 42 | 19 59 | 20 13 | 3 39 | 9 6 | 2 2 | S 17 |
| M18 | 0 48 | 21 15 | 4 54 | 10 47 | 1 10 | 14 36 | 0 31 | 12 53 | 1 13 | 1 58 | 1 8 | 0 49 | 2 16 | 6 39 | 0 38 | 4 4 | 1 51 | 27 14 | 11 42 | 20 2 | 20 13 | 3 42 | 9 4 | 2 2 | M18 |
| T 19 | 1 11 | 24 9 | 4 32 | 10 40 | 1 20 | 14 16 | 0 35 | 12 37 | 1 13 | 1 52 | 1 8 | 0 52 | 2 16 | 6 38 | 0 38 | 4 4 | 1 51 | 27 14 | 11 41 | 20 3 | 20 14 | 3 45 | 9 2 | 2 2 | T 19 |
| W20 | 1 35 | 25 58 | 3 56 | 10 31 | 1 29 | 13 55 | 0 38 | 12 21 | 1 13 | 1 47 | 1 8 | 0 55 | 2 16 | 6 37 | 0 38 | 4 3 | 1 51 | 27 14 | 11 41 | 20 4 | 20 15 | 3 48 | 9 0 | 2 2 | W20 |
| T 21 | 1 58 | 26 30 | 3 9 | 10 20 | 1 38 | 13 34 | 0 41 | 12 4 | 1 13 | 1 41 | 1 8 | 0 58 | 2 16 | 6 37 | 0 38 | 4 2 | 1 51 | 27 14 | 11 41 | 20 5 | 20 15 | 3 51 | 8 58 | 2 1 | T 21 |
| F 22 | 2 22 | 25 38 | 2 10 | 10 7 | 1 46 | 13 13 | 0 44 | 11 47 | 1 13 | 1 35 | 1 8 | 1 1 | 2 16 | 6 36 | 0 38 | 4 2 | 1 51 | 27 14 | 11 41 | 20 5 | 20 16 | 3 54 | 8 56 | 2 1 | F 22 |
| S 23 | 2 45 | 23 18 | 1 4 | 9 53 | 1 54 | 12 51 | 0 47 | 11 30 | 1 13 | 1 29 | 1 8 | 1 4 | 2 16 | 6 35 | 0 38 | 4 1 | 1 51 | 27 14 | 11 41 | 20 5 | 20 17 | 3 58 | 8 54 | 2 1 | S 23 |
| S 24 | 3 9 | 19 34 | 0s 9 | 9 36 | 2 1 | 12 29 | 0 50 | 11 13 | 1 13 | 1 24 | 1 8 | 1 7 | 2 16 | 6 34 | 0 38 | 4 0 | 1 51 | 27 14 | 11 40 | 20 5 | 20 17 | 4 1 | 8 52 | 2 1 | S 24 |
| M25 | 3 32 | 14 36 | 1 23 | 9 18 | 2 7 | 12 7 | 0 53 | 10 56 | 1 14 | 1 18 | 1 8 | 1 10 | 2 16 | 6 33 | 0 38 | 4 0 | 1 51 | 27 14 | 11 40 | 20 5 | 20 18 | 4 4 | 8 50 | 2 0 | M25 |
| T 26 | 3 55 | 8 41 | 2 34 | 8 58 | 2 13 | 11 44 | 0 56 | 10 39 | 1 14 | 1 12 | 1 8 | 1 13 | 2 16 | 6 32 | 0 38 | 3 59 | 1 51 | 27 14 | 11 40 | 20 6 | 20 19 | 4 7 | 8 48 | 2 0 | T 26 |
| W27 | 4 18 | 2 8 | 3 36 | 8 37 | 2 18 | 11 21 | 0 59 | 10 22 | 1 14 | 1 7 | 1 8 | 1 16 | 2 16 | 6 31 | 0 38 | 3 59 | 1 51 | 27 14 | 11 40 | 20 7 | 20 19 | 4 10 | 8 46 | 2 0 | W27 |
| T 28 | 4 41 | 4s38 | 4 24 | 8 14 | 2 23 | 10 58 | 1 1 | 10 5 | 1 14 | 1 1 | 1 8 | 1 19 | 2 16 | 6 30 | 0 38 | 3 58 | 1 51 | 27 14 | 11 40 | 20 9 | 20 20 | 4 13 | 8 44 | 1 59 | T 28 |
| F 29 | 5 4 | 11 9 | 4 53 | 7 49 | 2 27 | 10 34 | 1 4 | 9 48 | 1 14 | 0 55 | 1 8 | 1 22 | 2 16 | 6 29 | 0 38 | 3 57 | 1 51 | 27 14 | 11 39 | 20 11 | 20 21 | 4 16 | 8 42 | 1 59 | F 29 |
| S 30 | 5 27 | 16 57 | 5 1 | 7 23 | 2 31 | 10 10 | 1 7 | 9 30 | 1 14 | 0 49 | 1 8 | 1 25 | 2 16 | 6 28 | 0 38 | 3 57 | 1 51 | 27 14 | 11 39 | 20 13 | 20 21 | 4 19 | 8 40 | 1 59 | S 30 |
| S 31 | 5n50 | 21s36 | 4s49 | 6s55 | 2s34 | 9s45 | 1s 9 | 9s13 | 1s14 | 0s44 | 1s 8 | 1n28 | 2s16 | 6s27 | 0n38 | 3s56 | 1n51 | 27n14 | 11n39 | 20s15 | 20s22 | 4n22 | 8s38 | 1s59 | S 31 |

Julian Day Number = 2074313.5, Delta T = 27m14s
Ecliptic obliquity = 23°34'28, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'45, Lahiri = 9°27'46 Julian Calendar 1 March 967 == Greg. Calendar 6 March 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## APRIL 967 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 55 21 | 15♈41'23 | 1♐28 | 19♓50 | 8♓59 | 10♓14 | 1♈ 1 | 9♈ 3 | 17°R47 | 14°R12 | 15°R53 | 29°R54 | 29♑27 | 0♈43 | 17°R10 | M 1 |
| T 2 | 12 59 18 | 16°39'49 | 15°30 | 21°11 | 10°10 | 11° 0 | 1°16 | 9°10 | 17♎44 | 14♎10 | 15♌52 | 29♑49 | 29°24 | 0°49 | 17♎ 5 | T 2 |
| W 3 | 13 3 14 | 17°38'13 | 29° 1 | 22°35 | 11°22 | 11°47 | 1°30 | 9°18 | 17°42 | 14° 9 | 15°51 | 29°46 | 29°21 | 0°56 | 17° 1 | W 3 |
| T 4 | 13 7 11 | 18°36'36 | 12♑ 5 | 24° 0 | 12°33 | 12°33 | 1°44 | 9°25 | 17°39 | 14° 7 | 15°51 | 29°44 | 29°18 | 1° 3 | 16°56 | T 4 |
| F 5 | 13 11 7 | 19°34'57 | 24°44 | 25°28 | 13°44 | 13°19 | 1°58 | 9°33 | 17°37 | 14° 5 | 15°50 | 29°44 | 29°14 | 1°10 | 16°52 | F 5 |
| S 6 | 13 15 4 | 20°33'16 | 7♒ 3 | 26°57 | 14°55 | 14° 6 | 2°12 | 9°40 | 17°34 | 14° 4 | 15°50 | 29°44 | 29°11 | 1°16 | 16°47 | S 6 |
| S 7 | 13 19 1 | 21°31'34 | 19° 9 | 28°28 | 16° 7 | 14°52 | 2°26 | 9°48 | 17°32 | 14° 2 | 15°49 | 29°43 | 29° 8 | 1°23 | 16°42 | S 7 |
| M 8 | 13 22 57 | 22°29'50 | 1♓ 4 | 0♈ 1 | 17°18 | 15°38 | 2°40 | 9°55 | 17°29 | 14° 0 | 15°49 | 29°40 | 29° 5 | 1°30 | 16°38 | M 8 |
| T 9 | 13 26 54 | 23°28'05 | 12°55 | 1°36 | 18°30 | 16°24 | 2°54 | 10° 3 | 17°27 | 13°59 | 15°48 | 29°34 | 29° 2 | 1°36 | 16°33 | T 9 |
| W10 | 13 30 50 | 24°26'18 | 24°44 | 3°13 | 19°41 | 17°10 | 3° 8 | 10°10 | 17°24 | 13°57 | 15°48 | 29°25 | 28°59 | 1°43 | 16°29 | W10 |
| T 11 | 13 34 47 | 25°24'29 | 6♈35 | 4°51 | 20°53 | 17°56 | 3°22 | 10°18 | 17°22 | 13°56 | 15°48 | 29°13 | 28°55 | 1°50 | 16°24 | T 11 |
| F 12 | 13 38 43 | 26°22'39 | 18°29 | 6°32 | 22° 4 | 18°43 | 3°36 | 10°25 | 17°19 | 13°54 | 15°47 | 29° 0 | 28°52 | 1°56 | 16°20 | F 12 |
| S 13 | 13 42 40 | 27°20'46 | 0♉28 | 8°14 | 23°16 | 19°29 | 3°50 | 10°33 | 17°17 | 13°52 | 15°47 | 28°46 | 28°49 | 2° 3 | 16°15 | S 13 |
| S 14 | 13 46 36 | 28°18'53 | 12°33 | 9°58 | 24°27 | 20°15 | 4° 4 | 10°40 | 17°14 | 13°51 | 15°47 | 28°32 | 28°46 | 2°10 | 16°11 | S 14 |
| M15 | 13 50 33 | 29°16'57 | 24°45 | 11°44 | 25°39 | 21° 1 | 4°18 | 10°48 | 17°12 | 13°49 | 15°47 | 28°19 | 28°43 | 2°17 | 16° 6 | M15 |
| T 16 | 13 54 30 | 0♉15'00 | 7♊ 6 | 13°32 | 26°51 | 21°47 | 4°31 | 10°55 | 17° 9 | 13°48 | 15°46 | 28° 9 | 28°40 | 2°23 | 16° 2 | T 16 |
| W17 | 13 58 26 | 1°13'01 | 19°38 | 15°21 | 28° 2 | 22°32 | 4°45 | 11° 2 | 17° 7 | 13°46 | 15°46 | 28° 2 | 28°36 | 2°30 | 15°58 | W17 |
| T 18 | 14 2 23 | 2°11'00 | 2♋21 | 17°13 | 29°14 | 23°18 | 4°59 | 11°10 | 17° 4 | 13°45 | 15°46 | 27°58 | 28°33 | 2°37 | 15°53 | T 18 |
| F 19 | 14 6 19 | 3° 8'57 | 15°19 | 19° 6 | 0♈26 | 24° 4 | 5°12 | 11°17 | 17° 2 | 13°43 | 15°46 | 27°57 | 28°30 | 2°43 | 15°49 | F 19 |
| S 20 | 14 10 16 | 4° 6'52 | 28°35 | 21° 2 | 1°37 | 24°50 | 5°26 | 11°24 | 16°59 | 13°41 | 15°46 | 27°56 | 28°27 | 2°50 | 15°45 | S 20 |
| S 21 | 14 14 12 | 5° 4'45 | 12♌11 | 22°59 | 2°49 | 25°36 | 5°39 | 11°32 | 16°57 | 13°40 | 15°46 | 27°56 | 28°24 | 2°57 | 15°41 | S 21 |
| M22 | 14 18 9 | 6° 2'37 | 26° 9 | 24°57 | 4° 1 | 26°21 | 5°53 | 11°39 | 16°55 | 13°38 | 15°46 | 27°55 | 28°20 | 3° 4 | 15°36 | M22 |
| T 23 | 14 22 5 | 7° 0'26 | 10♍31 | 26°58 | 5°13 | 27° 7 | 6° 6 | 11°46 | 16°52 | 13°37 | 15°D46 | 27°52 | 28°17 | 3°10 | 15°32 | T 23 |
| W24 | 14 26 2 | 7°58'14 | 25°13 | 29° 0 | 6°25 | 27°53 | 6°20 | 11°53 | 16°50 | 13°36 | 15°46 | 27°46 | 28°14 | 3°17 | 15°28 | W24 |
| T 25 | 14 29 59 | 8°56'00 | 10♎10 | 1♉ 4 | 7°36 | 28°38 | 6°33 | 12° 0 | 16°48 | 13°34 | 15°46 | 27°38 | 28°11 | 3°24 | 15°24 | T 25 |
| F 26 | 14 33 55 | 9°53'45 | 25°15 | 3°10 | 8°48 | 29°24 | 6°46 | 12° 7 | 16°45 | 13°33 | 15°46 | 27°28 | 28° 8 | 3°30 | 15°20 | F 26 |
| S 27 | 14 37 52 | 10°51'28 | 10♏18 | 5°17 | 10° 0 | 0♈ 9 | 6°59 | 12°14 | 16°43 | 13°31 | 15°46 | 27°18 | 28° 5 | 3°37 | 15°17 | S 27 |
| S 28 | 14 41 48 | 11°49'09 | 25°10 | 7°25 | 11°12 | 0°55 | 7°13 | 12°21 | 16°41 | 13°30 | 15°46 | 27° 8 | 28° 1 | 3°44 | 15°13 | S 28 |
| M29 | 14 45 45 | 12°46'50 | 9♐40 | 9°34 | 12°24 | 1°40 | 7°26 | 12°28 | 16°39 | 13°28 | 15°46 | 26°59 | 27°58 | 3°51 | 15° 9 | M29 |
| T 30 | 14 49 41 | 13♉44'29 | 23♐45 | 11♉44 | 13♈36 | 2♈25 | 7♈39 | 12♈35 | 16♎36 | 13♎27 | 15♌47 | 26♑53 | 27♑55 | 3♈57 | 15♎ 5 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n13 | 24s46 | 4s18 | 6s26 | 2s36 | 9s21 | 1s11 | 8s55 | 1s14 | 0s38 | 1s 8 | 1n31 | 2s16 | 6s26 | 0n38 | 3s55 | 1n51 | 27n14 | 11n39 | 20s17 | 20s23 | 4n25 | 8s36 | 1s58 |
| T 2 | 6 35 | 26 17 | 3 32 | 5 56 | 2 38 | 8 56 | 1 14 | 8 37 | 1 14 | 0 32 | 1 8 | 1 34 | 2 16 | 6 25 | 0 38 | 3 55 | 1 51 | 27 14 | 11 38 | 20 18 | 20 23 | 4 28 | 8 34 | 1 58 |
| W 3 | 6 58 | 26 9 | 2 35 | 5 24 | 2 39 | 8 31 | 1 16 | 8 20 | 1 14 | 0 27 | 1 8 | 1 37 | 2 16 | 6 24 | 0 38 | 3 54 | 1 51 | 27 14 | 11 38 | 20 19 | 20 24 | 4 31 | 8 32 | 1 58 |
| T 4 | 7 20 | 24 33 | 1 32 | 4 50 | 2 40 | 8 5 | 1 18 | 8 2 | 1 14 | 0 21 | 1 8 | 1 40 | 2 16 | 6 23 | 0 38 | 3 53 | 1 51 | 27 14 | 11 38 | 20 19 | 20 25 | 4 34 | 8 30 | 1 57 |
| F 5 | 7 42 | 21 44 | 0 27 | 4 16 | 2 40 | 7 40 | 1 20 | 7 44 | 1 14 | 0 16 | 1 9 | 1 43 | 2 16 | 6 22 | 0 38 | 3 53 | 1 51 | 27 14 | 11 38 | 20 19 | 20 25 | 4 38 | 8 28 | 1 57 |
| S 6 | 8 4 | 17 59 | 0n39 | 3 40 | 2 40 | 7 14 | 1 22 | 7 26 | 1 14 | 0 10 | 1 9 | 1 46 | 2 16 | 6 21 | 0 38 | 3 52 | 1 51 | 27 14 | 11 37 | 20 19 | 20 26 | 4 41 | 8 26 | 1 57 |
| S 7 | 8 26 | 13 34 | 1 41 | 3 2 | 2 39 | 6 48 | 1 24 | 7 8 | 1 14 | 0 4 | 1 9 | 1 49 | 2 16 | 6 20 | 0 38 | 3 52 | 1 51 | 27 14 | 11 37 | 20 19 | 20 27 | 4 44 | 8 23 | 1 56 |
| M 8 | 8 48 | 8 42 | 2 38 | 2 24 | 2 37 | 6 21 | 1 26 | 6 50 | 1 14 | 0n 1 | 1 9 | 1 52 | 2 16 | 6 19 | 0 38 | 3 51 | 1 51 | 27 14 | 11 37 | 20 20 | 20 27 | 4 47 | 8 21 | 1 56 |
| T 9 | 9 10 | 3 34 | 3 27 | 1 44 | 2 35 | 5 55 | 1 27 | 6 32 | 1 14 | 0 7 | 1 9 | 1 55 | 2 16 | 6 18 | 0 38 | 3 50 | 1 51 | 27 14 | 11 37 | 20 21 | 20 28 | 4 50 | 8 19 | 1 56 |
| W10 | 9 31 | 1n41 | 4 7 | 1 3 | 2 33 | 5 28 | 1 29 | 6 14 | 1 14 | 0 12 | 1 9 | 1 58 | 2 16 | 6 17 | 0 38 | 3 50 | 1 51 | 27 14 | 11 36 | 20 23 | 20 29 | 4 53 | 8 17 | 1 55 |
| T 11 | 9 53 | 6 51 | 4 37 | 0 21 | 2 29 | 5 1 | 1 31 | 5 56 | 1 14 | 0 18 | 1 9 | 2 1 | 2 16 | 6 16 | 0 38 | 3 49 | 1 51 | 27 14 | 11 36 | 20 26 | 20 29 | 4 56 | 8 15 | 1 55 |
| F 12 | 10 14 | 11 49 | 4 54 | 0n23 | 2 26 | 4 34 | 1 32 | 5 38 | 1 14 | 0 23 | 1 9 | 2 4 | 2 16 | 6 15 | 0 38 | 3 48 | 1 51 | 27 13 | 11 36 | 20 29 | 20 30 | 4 59 | 8 13 | 1 55 |
| S 13 | 10 35 | 16 22 | 4 59 | 1 7 | 2 22 | 4 7 | 1 33 | 5 20 | 1 14 | 0 29 | 1 9 | 2 6 | 2 16 | 6 14 | 0 38 | 3 48 | 1 51 | 27 13 | 11 36 | 20 31 | 20 31 | 5 2 | 8 11 | 1 54 |
| S 14 | 10 56 | 20 18 | 4 51 | 1 52 | 2 17 | 3 40 | 1 35 | 5 1 | 1 14 | 0 34 | 1 9 | 2 9 | 2 17 | 6 13 | 0 38 | 3 47 | 1 51 | 27 13 | 11 35 | 20 34 | 20 31 | 5 5 | 8 9 | 1 54 |
| M15 | 11 17 | 23 24 | 4 29 | 2 39 | 2 12 | 3 12 | 1 36 | 4 43 | 1 14 | 0 40 | 1 9 | 2 12 | 2 17 | 6 12 | 0 38 | 3 47 | 1 51 | 27 13 | 11 35 | 20 37 | 20 32 | 5 8 | 8 7 | 1 54 |
| T 16 | 11 37 | 25 28 | 3 54 | 3 26 | 2 6 | 2 45 | 1 37 | 4 25 | 1 14 | 0 45 | 1 9 | 2 15 | 2 17 | 6 11 | 0 38 | 3 46 | 1 51 | 27 13 | 11 35 | 20 39 | 20 33 | 5 11 | 8 5 | 1 53 |
| W17 | 11 58 | 26 17 | 3 7 | 4 15 | 2 0 | 2 17 | 1 38 | 4 7 | 1 14 | 0 50 | 1 9 | 2 18 | 2 17 | 6 11 | 0 38 | 3 45 | 1 51 | 27 13 | 11 35 | 20 40 | 20 33 | 5 14 | 8 3 | 1 53 |
| T 18 | 12 18 | 25 44 | 2 11 | 5 4 | 1 53 | 1 49 | 1 39 | 3 48 | 1 14 | 0 56 | 1 9 | 2 21 | 2 17 | 6 10 | 0 38 | 3 45 | 1 51 | 27 12 | 11 34 | 20 41 | 20 34 | 5 17 | 8 1 | 1 52 |
| F 19 | 12 38 | 23 47 | 1 6 | 5 54 | 1 45 | 1 22 | 1 40 | 3 30 | 1 14 | 1 1 | 1 9 | 2 23 | 2 17 | 6 9 | 0 38 | 3 44 | 1 51 | 27 12 | 11 34 | 20 41 | 20 35 | 5 20 | 7 59 | 1 52 |
| S 20 | 12 58 | 20 30 | 0s 3 | 6 44 | 1 38 | 0 54 | 1 41 | 3 12 | 1 14 | 1 6 | 1 10 | 2 26 | 2 17 | 6 8 | 0 38 | 3 44 | 1 51 | 27 12 | 11 34 | 20 41 | 20 35 | 5 23 | 7 57 | 1 52 |
| S 21 | 13 17 | 16 3 | 1 15 | 7 36 | 1 30 | 0 26 | 1 42 | 2 53 | 1 14 | 1 12 | 1 10 | 2 29 | 2 17 | 6 7 | 0 38 | 3 43 | 1 51 | 27 12 | 11 34 | 20 41 | 20 36 | 5 26 | 7 55 | 1 51 |
| M22 | 13 37 | 10 38 | 2 23 | 8 28 | 1 21 | 0n 2 | 1 42 | 2 35 | 1 14 | 1 17 | 1 10 | 2 32 | 2 17 | 6 6 | 0 38 | 3 43 | 1 51 | 27 11 | 11 33 | 20 42 | 20 37 | 5 29 | 7 53 | 1 51 |
| T 23 | 13 56 | 4 31 | 3 25 | 9 20 | 1 12 | 0 31 | 1 43 | 2 17 | 1 14 | 1 22 | 1 10 | 2 34 | 2 17 | 6 5 | 0 38 | 3 42 | 1 51 | 27 11 | 11 33 | 20 42 | 20 37 | 5 32 | 7 51 | 1 50 |
| W24 | 14 15 | 1s58 | 4 14 | 10 12 | 1 3 | 0 59 | 1 43 | 1 58 | 1 13 | 1 27 | 1 10 | 2 37 | 2 17 | 6 4 | 0 38 | 3 41 | 1 51 | 27 11 | 11 33 | 20 43 | 20 38 | 5 35 | 7 49 | 1 50 |
| T 25 | 14 33 | 8 27 | 4 47 | 11 5 | 0 53 | 1 27 | 1 44 | 1 40 | 1 13 | 1 33 | 1 10 | 2 40 | 2 18 | 6 3 | 0 38 | 3 41 | 1 51 | 27 11 | 11 33 | 20 45 | 20 39 | 5 38 | 7 47 | 1 50 |
| F 26 | 14 52 | 14 29 | 5 1 | 11 58 | 0 43 | 1 55 | 1 44 | 1 22 | 1 13 | 1 38 | 1 10 | 2 42 | 2 18 | 6 2 | 0 38 | 3 40 | 1 51 | 27 10 | 11 32 | 20 47 | 20 39 | 5 41 | 7 45 | 1 49 |
| S 27 | 15 10 | 19 38 | 4 53 | 12 50 | 0 33 | 2 23 | 1 44 | 1 3 | 1 13 | 1 43 | 1 10 | 2 45 | 2 18 | 6 2 | 0 38 | 3 40 | 1 51 | 27 10 | 11 32 | 20 49 | 20 40 | 5 44 | 7 43 | 1 49 |
| S 28 | 15 28 | 23 28 | 4 26 | 13 43 | 0 23 | 2 51 | 1 45 | 0 45 | 1 13 | 1 48 | 1 10 | 2 48 | 2 18 | 6 1 | 0 38 | 3 39 | 1 51 | 27 10 | 11 32 | 20 51 | 20 40 | 5 47 | 7 41 | 1 48 |
| M29 | 15 46 | 25 41 | 3 42 | 14 34 | 0 12 | 3 19 | 1 45 | 0 27 | 1 13 | 1 53 | 1 10 | 2 50 | 2 18 | 6 0 | 0 38 | 3 39 | 1 51 | 27 9 | 11 31 | 20 53 | 20 41 | 5 50 | 7 40 | 1 48 |
| T 30 | 16n 3 | 26s11 | 2s46 | 15n25 | 0s 1 | 3n47 | 1s45 | 0s 8 | 1s13 | 1n58 | 1s11 | 2n53 | 2s18 | 5s59 | 0n38 | 3s38 | 1n51 | 27n 9 | 11n31 | 20s54 | 20s42 | 5n54 | 7s38 | 1s48 |

Julian Day Number = 2074344.5, Delta T = 27m14s
Ecliptic obliquity = 23°34'28, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'49, Lahiri = 9°27'50 Julian Calendar 1 Apr. 967 == Greg. Calendar 6 Apr. 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## MAY 967 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 53 38 | 14♉42'07 | 7♑21 | 13♉55 | 14♈48 | 3♈11 | 7♈52 | 12♈42 | 16°R34 | 13°R26 | 15♌47 | 26°R49 | 27♑52 | 4♈ 4 | 15°R 2 | W 1 |
| T 2 | 14 57 34 | 15°39'44 | 20°29 | 16° 7 | 16° 0 | 3°56 | 8° 5 | 12°49 | 16♎32 | 13♎24 | 15°47 | 26♑48 | 27°49 | 4°11 | 14♎58 | T 2 |
| F 3 | 15 1 31 | 16°37'19 | 3♒12 | 18°18 | 17°12 | 4°41 | 8°17 | 12°56 | 16°30 | 13°23 | 15°47 | 26°D48 | 27°46 | 4°17 | 14°55 | F 3 |
| S 4 | 15 5 28 | 17°34'54 | 15°35 | 20°30 | 18°24 | 5°26 | 8°30 | 13° 3 | 16°28 | 13°22 | 15°48 | 26°R48 | 27°42 | 4°24 | 14°51 | S 4 |
| S 5 | 15 9 24 | 18°32'28 | 27°42 | 22°41 | 19°36 | 6°12 | 8°43 | 13° 9 | 16°26 | 13°20 | 15°48 | 26°48 | 27°39 | 4°31 | 14°48 | S 5 |
| M 6 | 15 13 21 | 19°30'01 | 9♓38 | 24°52 | 20°48 | 6°57 | 8°56 | 13°16 | 16°24 | 13°19 | 15°48 | 26°46 | 27°36 | 4°38 | 14°45 | M 6 |
| T 7 | 15 17 17 | 20°27'33 | 21°29 | 27° 1 | 22° 1 | 7°42 | 9° 8 | 13°23 | 16°22 | 13°18 | 15°49 | 26°42 | 27°33 | 4°44 | 14°42 | T 7 |
| W 8 | 15 21 14 | 21°25'04 | 3♈20 | 29°10 | 23°13 | 8°27 | 9°21 | 13°29 | 16°20 | 13°17 | 15°49 | 26°35 | 27°30 | 4°51 | 14°39 | W 8 |
| T 9 | 15 25 10 | 22°22'34 | 15°12 | 1♊17 | 24°25 | 9°12 | 9°33 | 13°36 | 16°18 | 13°16 | 15°50 | 26°26 | 27°26 | 4°58 | 14°36 | T 9 |
| F 10 | 15 29 7 | 23°20'03 | 27°11 | 3°22 | 25°37 | 9°56 | 9°46 | 13°42 | 16°16 | 13°14 | 15°50 | 26°15 | 27°23 | 5° 4 | 14°33 | F 10 |
| S 11 | 15 33 3 | 24°17'31 | 9♉18 | 5°26 | 26°49 | 10°41 | 9°58 | 13°49 | 16°14 | 13°13 | 15°51 | 26° 4 | 27°20 | 5°11 | 14°30 | S 11 |
| S 12 | 15 37 0 | 25°14'58 | 21°33 | 7°28 | 28° 2 | 11°26 | 10°10 | 13°55 | 16°12 | 13°12 | 15°51 | 25°53 | 27°17 | 5°18 | 14°27 | S 12 |
| M13 | 15 40 57 | 26°12'25 | 3♊59 | 9°27 | 29°14 | 12°11 | 10°22 | 14° 1 | 16°11 | 13°11 | 15°52 | 25°43 | 27°14 | 5°25 | 14°25 | M13 |
| T 14 | 15 44 53 | 27° 9'50 | 16°35 | 11°25 | 0♉26 | 12°55 | 10°34 | 14° 8 | 16° 9 | 13°10 | 15°52 | 25°35 | 27°11 | 5°31 | 14°22 | T 14 |
| W15 | 15 48 50 | 28° 7'14 | 29°23 | 13°20 | 1°38 | 13°40 | 10°46 | 14°14 | 16° 7 | 13° 9 | 15°53 | 25°30 | 27° 7 | 5°38 | 14°20 | W15 |
| T 16 | 15 52 46 | 29° 4'37 | 12♋21 | 15°13 | 2°51 | 14°24 | 10°58 | 14°20 | 16° 6 | 13° 8 | 15°54 | 25°27 | 27° 4 | 5°45 | 14°17 | T 16 |
| F 17 | 15 56 43 | 0♊ 2'00 | 25°33 | 17° 3 | 4° 3 | 15° 9 | 11°10 | 14°26 | 16° 4 | 13° 7 | 15°54 | 25°D26 | 27° 1 | 5°51 | 14°15 | F 17 |
| S 18 | 16 0 39 | 0°59'21 | 8♌57 | 18°50 | 5°15 | 15°53 | 11°22 | 14°32 | 16° 2 | 13° 6 | 15°55 | 25°26 | 26°58 | 5°58 | 14°13 | S 18 |
| S 19 | 16 4 36 | 1°56'41 | 22°37 | 20°36 | 6°28 | 16°38 | 11°33 | 14°38 | 16° 1 | 13° 5 | 15°56 | 25°27 | 26°55 | 6° 5 | 14°11 | S 19 |
| M20 | 16 8 32 | 2°53'59 | 6♍33 | 22°18 | 7°40 | 17°22 | 11°45 | 14°44 | 15°59 | 13° 4 | 15°57 | 25°R28 | 26°52 | 6°12 | 14° 9 | M20 |
| T 21 | 16 12 29 | 3°51'17 | 20°44 | 23°58 | 8°53 | 18° 6 | 11°56 | 14°50 | 15°58 | 13° 3 | 15°57 | 25°26 | 26°48 | 6°18 | 14° 7 | T 21 |
| W22 | 16 16 26 | 4°48'33 | 5♎ 9 | 25°35 | 10° 5 | 18°50 | 12° 8 | 14°56 | 15°57 | 13° 2 | 15°58 | 25°23 | 26°45 | 6°25 | 14° 5 | W22 |
| T 23 | 16 20 22 | 5°45'49 | 19°45 | 27°10 | 11°18 | 19°35 | 12°19 | 15° 2 | 15°55 | 13° 1 | 15°59 | 25°18 | 26°42 | 6°32 | 14° 4 | T 23 |
| F 24 | 16 24 19 | 6°43'04 | 4♏27 | 28°42 | 12°30 | 20°19 | 12°30 | 15° 8 | 15°54 | 13° 0 | 16° 0 | 25°11 | 26°39 | 6°38 | 14° 2 | F 24 |
| S 25 | 16 28 15 | 7°40'18 | 19° 7 | 0♋11 | 13°42 | 21° 3 | 12°41 | 15°13 | 15°53 | 13° 0 | 16° 1 | 25° 4 | 26°36 | 6°45 | 14° 0 | S 25 |
| S 26 | 16 32 12 | 8°37'31 | 3♐39 | 1°38 | 14°55 | 21°46 | 12°52 | 15°19 | 15°51 | 12°59 | 16° 2 | 24°57 | 26°32 | 6°52 | 13°59 | S 26 |
| M27 | 16 36 8 | 9°34'44 | 17°55 | 3° 1 | 16° 8 | 22°30 | 13° 3 | 15°24 | 15°50 | 12°58 | 16° 3 | 24°51 | 26°29 | 6°59 | 13°58 | M27 |
| T 28 | 16 40 5 | 10°31'56 | 1♑50 | 4°22 | 17°20 | 23°14 | 13°14 | 15°30 | 15°49 | 12°57 | 16° 4 | 24°47 | 26°26 | 7° 5 | 13°57 | T 28 |
| W29 | 16 44 1 | 11°29'08 | 15°21 | 5°41 | 18°33 | 23°58 | 13°25 | 15°35 | 15°48 | 12°57 | 16° 5 | 24°45 | 26°23 | 7°12 | 13°56 | W29 |
| T 30 | 16 47 58 | 12°26'20 | 28°29 | 6°56 | 19°45 | 24°42 | 13°35 | 15°41 | 15°47 | 12°56 | 16° 6 | 24°D45 | 26°20 | 7°19 | 13°55 | T 30 |
| F 31 | 16 51 55 | 13♊23'31 | 11♒13 | 8♋ 8 | 20♉58 | 25♈25 | 13♈46 | 15♈46 | 15♎46 | 12♎55 | 16♌ 7 | 24♑46 | 26♑17 | 7♈25 | 13♎54 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n20 | 25s 3 | 1s41 | 16n15 | 0n 9 | 4n15 | 1s45 | 0n10 | 1s12 | 2n 3 | 1s11 | 2n55 | 2s18 | 5s58 | 0n38 | 3s38 | 1n51 | 27n 9 | 11n31 | 20s55 | 20s42 | 5n57 | 7s36 | 1s47 |
| T 2 | 16 37 | 22 33 | 0 33 | 17 4 | 0 20 | 4 43 | 1 45 | 0 28 | 1 12 | 2 8 | 1 11 | 2 58 | 2 18 | 5 58 | 0 37 | 3 37 | 1 51 | 27 8 | 11 31 | 20 55 | 20 43 | 6 0 | 7 34 | 1 47 |
| F 3 | 16 54 | 19 0 | 0n34 | 17 51 | 0 30 | 5 11 | 1 44 | 0 46 | 1 12 | 2 13 | 1 11 | 3 1 | 2 18 | 5 57 | 0 37 | 3 37 | 1 51 | 27 8 | 11 30 | 20 55 | 20 44 | 6 3 | 7 32 | 1 46 |
| S 4 | 17 10 | 14 42 | 1 38 | 18 37 | 0 40 | 5 39 | 1 44 | 1 5 | 1 12 | 2 18 | 1 11 | 3 3 | 2 19 | 5 56 | 0 37 | 3 36 | 1 51 | 27 8 | 11 30 | 20 55 | 20 44 | 6 6 | 7 31 | 1 46 |
| S 5 | 17 26 | 9 54 | 2 36 | 19 21 | 0 50 | 6 7 | 1 44 | 1 23 | 1 12 | 2 23 | 1 11 | 3 6 | 2 19 | 5 55 | 0 37 | 3 36 | 1 51 | 27 7 | 11 30 | 20 55 | 20 45 | 6 9 | 7 29 | 1 45 |
| M 6 | 17 42 | 4 48 | 3 27 | 20 3 | 0 59 | 6 34 | 1 43 | 1 41 | 1 11 | 2 28 | 1 11 | 3 8 | 2 19 | 5 54 | 0 37 | 3 35 | 1 51 | 27 7 | 11 30 | 20 55 | 20 45 | 6 12 | 7 27 | 1 45 |
| T 7 | 17 58 | 0n24 | 4 8 | 20 43 | 1 9 | 7 2 | 1 43 | 1 59 | 1 11 | 2 33 | 1 11 | 3 11 | 2 19 | 5 54 | 0 37 | 3 35 | 1 51 | 27 7 | 11 29 | 20 56 | 20 46 | 6 15 | 7 26 | 1 45 |
| W 8 | 18 13 | 5 35 | 4 39 | 21 20 | 1 17 | 7 29 | 1 42 | 2 17 | 1 11 | 2 38 | 1 11 | 3 13 | 2 19 | 5 53 | 0 37 | 3 34 | 1 51 | 27 6 | 11 29 | 20 57 | 20 47 | 6 18 | 7 24 | 1 44 |
| T 9 | 18 28 | 10 35 | 4 57 | 21 55 | 1 25 | 7 57 | 1 42 | 2 35 | 1 11 | 2 43 | 1 12 | 3 15 | 2 19 | 5 52 | 0 37 | 3 34 | 1 50 | 27 6 | 11 29 | 20 59 | 20 47 | 6 21 | 7 23 | 1 44 |
| F 10 | 18 43 | 15 14 | 5 3 | 22 28 | 1 33 | 8 24 | 1 41 | 2 53 | 1 10 | 2 47 | 1 12 | 3 18 | 2 19 | 5 52 | 0 37 | 3 34 | 1 50 | 27 5 | 11 28 | 21 1 | 20 48 | 6 24 | 7 21 | 1 43 |
| S 11 | 18 57 | 19 19 | 4 55 | 22 58 | 1 39 | 8 51 | 1 40 | 3 11 | 1 10 | 2 52 | 1 12 | 3 20 | 2 20 | 5 51 | 0 37 | 3 33 | 1 50 | 27 5 | 11 28 | 21 3 | 20 49 | 6 27 | 7 20 | 1 43 |
| S 12 | 19 11 | 22 39 | 4 34 | 23 25 | 1 46 | 9 17 | 1 39 | 3 29 | 1 10 | 2 57 | 1 12 | 3 23 | 2 20 | 5 50 | 0 37 | 3 33 | 1 50 | 27 5 | 11 28 | 21 5 | 20 49 | 6 29 | 7 18 | 1 42 |
| M13 | 19 25 | 24 58 | 3 59 | 23 49 | 1 51 | 9 44 | 1 38 | 3 46 | 1 10 | 3 1 | 1 12 | 3 25 | 2 20 | 5 50 | 0 37 | 3 32 | 1 50 | 27 4 | 11 28 | 21 7 | 20 50 | 6 32 | 7 17 | 1 42 |
| T 14 | 19 38 | 26 5 | 3 12 | 24 11 | 1 56 | 10 10 | 1 37 | 4 4 | 1 9 | 3 6 | 1 12 | 3 27 | 2 20 | 5 49 | 0 37 | 3 32 | 1 50 | 27 4 | 11 27 | 21 9 | 20 50 | 6 35 | 7 15 | 1 41 |
| W15 | 19 51 | 25 49 | 2 15 | 24 30 | 2 0 | 10 36 | 1 36 | 4 22 | 1 9 | 3 11 | 1 12 | 3 29 | 2 20 | 5 48 | 0 37 | 3 32 | 1 50 | 27 3 | 11 27 | 21 10 | 20 51 | 6 38 | 7 14 | 1 41 |
| T 16 | 20 4 | 24 9 | 1 9 | 24 47 | 2 3 | 11 2 | 1 35 | 4 39 | 1 9 | 3 15 | 1 13 | 3 32 | 2 20 | 5 48 | 0 37 | 3 31 | 1 50 | 27 3 | 11 27 | 21 10 | 20 52 | 6 41 | 7 13 | 1 41 |
| F 17 | 20 16 | 21 9 | 0s 1 | 25 1 | 2 5 | 11 28 | 1 34 | 4 57 | 1 8 | 3 20 | 1 13 | 3 34 | 2 21 | 5 47 | 0 37 | 3 31 | 1 50 | 27 2 | 11 27 | 21 10 | 20 52 | 6 44 | 7 11 | 1 40 |
| S 18 | 20 28 | 16 58 | 1 12 | 25 13 | 2 7 | 11 54 | 1 33 | 5 14 | 1 8 | 3 24 | 1 13 | 3 36 | 2 21 | 5 47 | 0 37 | 3 31 | 1 50 | 27 2 | 11 26 | 21 10 | 20 53 | 6 47 | 7 10 | 1 40 |
| S 19 | 20 40 | 11 50 | 2 21 | 25 22 | 2 8 | 12 19 | 1 31 | 5 32 | 1 8 | 3 29 | 1 13 | 3 38 | 2 21 | 5 46 | 0 37 | 3 30 | 1 50 | 27 1 | 11 26 | 21 10 | 20 54 | 6 50 | 7 9 | 1 39 |
| M20 | 20 51 | 6 2 | 3 22 | 25 29 | 2 8 | 12 44 | 1 30 | 5 49 | 1 7 | 3 33 | 1 13 | 3 40 | 2 21 | 5 45 | 0 37 | 3 30 | 1 50 | 27 1 | 11 26 | 21 10 | 20 54 | 6 53 | 7 8 | 1 39 |
| T 21 | 21 2 | 0s11 | 4 13 | 25 34 | 2 8 | 13 8 | 1 29 | 6 6 | 1 7 | 3 37 | 1 13 | 3 43 | 2 21 | 5 45 | 0 37 | 3 30 | 1 50 | 27 0 | 11 26 | 21 10 | 20 55 | 6 56 | 7 6 | 1 38 |
| W22 | 21 13 | 6 28 | 4 48 | 25 37 | 2 7 | 13 33 | 1 27 | 6 24 | 1 7 | 3 42 | 1 13 | 3 45 | 2 21 | 5 44 | 0 37 | 3 29 | 1 50 | 27 0 | 11 25 | 21 11 | 20 55 | 6 59 | 7 5 | 1 38 |
| T 23 | 21 23 | 12 28 | 5 6 | 25 37 | 2 5 | 13 57 | 1 26 | 6 41 | 1 6 | 3 46 | 1 14 | 3 47 | 2 22 | 5 44 | 0 37 | 3 29 | 1 50 | 26 59 | 11 25 | 21 12 | 20 56 | 7 2 | 7 4 | 1 37 |
| F 24 | 21 33 | 17 49 | 5 3 | 25 36 | 2 2 | 14 21 | 1 24 | 6 58 | 1 6 | 3 50 | 1 14 | 3 49 | 2 22 | 5 43 | 0 37 | 3 29 | 1 50 | 26 59 | 11 25 | 21 13 | 20 57 | 7 5 | 7 3 | 1 37 |
| S 25 | 21 43 | 22 6 | 4 41 | 25 33 | 1 59 | 14 44 | 1 22 | 7 15 | 1 6 | 3 54 | 1 14 | 3 51 | 2 22 | 5 43 | 0 37 | 3 28 | 1 50 | 26 58 | 11 25 | 21 14 | 20 57 | 7 8 | 7 2 | 1 36 |
| S 26 | 21 52 | 24 56 | 4 0 | 25 28 | 1 54 | 15 7 | 1 21 | 7 32 | 1 5 | 3 59 | 1 14 | 3 53 | 2 22 | 5 42 | 0 37 | 3 28 | 1 50 | 26 58 | 11 24 | 21 16 | 20 58 | 7 11 | 7 1 | 1 36 |
| M27 | 22 1 | 26 6 | 3 5 | 25 22 | 1 50 | 15 30 | 1 19 | 7 48 | 1 5 | 4 3 | 1 14 | 3 55 | 2 22 | 5 42 | 0 37 | 3 28 | 1 50 | 26 57 | 11 24 | 21 17 | 20 58 | 7 14 | 7 0 | 1 36 |
| T 28 | 22 9 | 25 34 | 2 1 | 25 14 | 1 44 | 15 52 | 1 17 | 8 5 | 1 4 | 4 7 | 1 14 | 3 57 | 2 23 | 5 42 | 0 37 | 3 28 | 1 50 | 26 57 | 11 24 | 21 17 | 20 59 | 7 17 | 6 59 | 1 35 |
| W29 | 22 17 | 23 31 | 0 51 | 25 5 | 1 38 | 16 14 | 1 15 | 8 22 | 1 4 | 4 11 | 1 15 | 3 58 | 2 23 | 5 41 | 0 37 | 3 28 | 1 50 | 26 56 | 11 24 | 21 18 | 21 0 | 7 20 | 6 59 | 1 35 |
| T 30 | 22 25 | 20 15 | 0n20 | 24 54 | 1 31 | 16 36 | 1 13 | 8 38 | 1 3 | 4 15 | 1 15 | 4 0 | 2 23 | 5 41 | 0 37 | 3 27 | 1 50 | 26 56 | 11 23 | 21 18 | 21 0 | 7 23 | 6 58 | 1 34 |
| F 31 | 22n32 | 16s 6 | 1n28 | 24n43 | 1n24 | 16n57 | 1s11 | 8n54 | 1s 3 | 4n19 | 1s15 | 4n 2 | 2s23 | 5s41 | 0n37 | 3s27 | 1n50 | 26n55 | 11n23 | 21s18 | 21s 1 | 7n26 | 6s57 | 1s34 |

Julian Day Number = 2074374.5, Delta T = 27m13s
Ecliptic obliquity = 23°34'27, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'54, Lahiri = 9°27'54 Julian Calendar 1 May 967 == Greg. Calendar 6 May 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## JUNE 967 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 55 51 | 14♊20'42 | 23♒38 | 9♋18 | 22♉11 | 26♈ 9 | 13♈56 | 15♈51 | 15°R45 | 12°R55 | 16♎ 8 | 24♑47 | 26♑13 | 7♈32 | 13°R53 | S 1 |
| S 2 | 16 59 48 | 15°17'53 | 5♓48 | 10°24 | 23°23 | 26°52 | 14° 7 | 15°56 | 15♎44 | 12♎54 | 16° 9 | 24°49 | 26°10 | 7°39 | 13♎52 | S 2 |
| M 3 | 17 3 44 | 16°15'04 | 17°47 | 11°27 | 24°36 | 27°36 | 14°17 | 16° 1 | 15°43 | 12°54 | 16°10 | 24°R49 | 26° 7 | 7°46 | 13°52 | M 3 |
| T 4 | 17 7 41 | 17°12'14 | 29°40 | 12°28 | 25°49 | 28°19 | 14°27 | 16° 6 | 15°43 | 12°53 | 16°11 | 24°48 | 26° 4 | 7°52 | 13°51 | T 4 |
| W 5 | 17 11 37 | 18° 9'25 | 11♈33 | 13°24 | 27° 1 | 29° 2 | 14°37 | 16°11 | 15°42 | 12°53 | 16°13 | 24°46 | 26° 1 | 7°59 | 13°51 | W 5 |
| T 6 | 17 15 34 | 19° 6'36 | 23°28 | 14°18 | 28°14 | 29°45 | 14°47 | 16°16 | 15°41 | 12°52 | 16°14 | 24°42 | 25°57 | 8° 6 | 13°51 | T 6 |
| F 7 | 17 19 30 | 20° 3'46 | 5♉31 | 15° 8 | 29°27 | 0♉29 | 14°56 | 16°21 | 15°40 | 12°52 | 16°15 | 24°37 | 25°54 | 8°12 | 13°D51 | F 7 |
| S 8 | 17 23 27 | 21° 0'57 | 17°45 | 15°54 | 0♊40 | 1°12 | 15° 6 | 16°25 | 15°40 | 12°52 | 16°16 | 24°31 | 25°51 | 8°19 | 13°51 | S 8 |
| S 9 | 17 27 24 | 21°58'08 | 0♊10 | 16°37 | 1°53 | 1°55 | 15°16 | 16°30 | 15°39 | 12°51 | 16°18 | 24°26 | 25°48 | 8°26 | 13°51 | S 9 |
| M10 | 17 31 20 | 22°55'19 | 12°50 | 17°15 | 3° 6 | 2°38 | 15°25 | 16°35 | 15°39 | 12°51 | 16°19 | 24°21 | 25°45 | 8°33 | 13°51 | M10 |
| T 11 | 17 35 17 | 23°52'29 | 25°44 | 17°50 | 4°18 | 3°21 | 15°34 | 16°39 | 15°38 | 12°51 | 16°20 | 24°17 | 25°42 | 8°39 | 13°51 | T 11 |
| W12 | 17 39 13 | 24°49'40 | 8♋51 | 18°21 | 5°31 | 4° 3 | 15°43 | 16°43 | 15°38 | 12°50 | 16°22 | 24°14 | 25°38 | 8°46 | 13°52 | W12 |
| T 13 | 17 43 10 | 25°46'51 | 22°12 | 18°47 | 6°44 | 4°46 | 15°52 | 16°48 | 15°38 | 12°50 | 16°23 | 24°D14 | 25°35 | 8°53 | 13°52 | T 13 |
| F 14 | 17 47 6 | 26°44'01 | 5♌46 | 19°10 | 7°57 | 5°29 | 16° 1 | 16°52 | 15°37 | 12°50 | 16°24 | 24°14 | 25°32 | 8°59 | 13°53 | F 14 |
| S 15 | 17 51 3 | 27°41'12 | 19°30 | 19°27 | 9°10 | 6°11 | 16°10 | 16°56 | 15°37 | 12°50 | 16°26 | 24°15 | 25°29 | 9° 6 | 13°54 | S 15 |
| S 16 | 17 55 0 | 28°38'22 | 3♍24 | 19°41 | 10°23 | 6°54 | 16°19 | 17° 0 | 15°37 | 12°50 | 16°27 | 24°17 | 25°26 | 9°13 | 13°55 | S 16 |
| M17 | 17 58 56 | 29°35'31 | 17°27 | 19°49 | 11°36 | 7°36 | 16°27 | 17° 4 | 15°37 | 12°49 | 16°29 | 24°18 | 25°23 | 9°20 | 13°56 | M17 |
| T 18 | 18 2 53 | 0♋32'41 | 1♎38 | 19°R53 | 12°49 | 8°18 | 16°35 | 17° 8 | 15°37 | 12°49 | 16°30 | 24°R18 | 25°19 | 9°26 | 13°57 | T 18 |
| W19 | 18 6 49 | 1°29'51 | 15°53 | 19°52 | 14° 2 | 9° 1 | 16°44 | 17°12 | 15°D37 | 12°49 | 16°32 | 24°18 | 25°16 | 9°33 | 13°58 | W19 |
| T 20 | 18 10 46 | 2°27'00 | 0♏12 | 19°47 | 15°15 | 9°43 | 16°52 | 17°15 | 15°37 | 12°D49 | 16°33 | 24°16 | 25°13 | 9°40 | 13°59 | T 20 |
| F 21 | 18 14 42 | 3°24'10 | 14°29 | 19°36 | 16°29 | 10°25 | 17° 0 | 17°19 | 15°37 | 12°49 | 16°35 | 24°14 | 25°10 | 9°46 | 14° 1 | F 21 |
| S 22 | 18 18 39 | 4°21'19 | 28°42 | 19°21 | 17°42 | 11° 7 | 17° 8 | 17°22 | 15°37 | 12°49 | 16°36 | 24°11 | 25° 7 | 9°53 | 14° 2 | S 22 |
| S 23 | 18 22 35 | 5°18'29 | 12♐46 | 19° 2 | 18°55 | 11°49 | 17°15 | 17°26 | 15°37 | 12°50 | 16°38 | 24° 9 | 25° 3 | 10° 0 | 14° 4 | S 23 |
| M24 | 18 26 32 | 6°15'39 | 26°38 | 18°38 | 20° 8 | 12°31 | 17°23 | 17°29 | 15°37 | 12°50 | 16°39 | 24° 6 | 25° 0 | 10° 7 | 14° 6 | M24 |
| T 25 | 18 30 29 | 7°12'50 | 10♑13 | 18°11 | 21°21 | 13°12 | 17°30 | 17°32 | 15°37 | 12°50 | 16°41 | 24° 5 | 24°57 | 10°13 | 14° 8 | T 25 |
| W26 | 18 34 25 | 8°10'00 | 23°30 | 17°40 | 22°35 | 13°54 | 17°37 | 17°35 | 15°38 | 12°50 | 16°43 | 24°D 5 | 24°54 | 10°20 | 14°10 | W26 |
| T 27 | 18 38 22 | 9° 7'12 | 6♒29 | 17° 5 | 23°48 | 14°36 | 17°44 | 17°39 | 15°38 | 12°50 | 16°44 | 24° 5 | 24°51 | 10°27 | 14°12 | T 27 |
| F 28 | 18 42 18 | 10° 4'24 | 19° 9 | 16°28 | 25° 1 | 15°17 | 17°51 | 17°41 | 15°39 | 12°50 | 16°46 | 24° 6 | 24°48 | 10°34 | 14°14 | F 28 |
| S 29 | 18 46 15 | 11° 1'36 | 1♓33 | 15°49 | 26°14 | 15°59 | 17°58 | 17°44 | 15°39 | 12°51 | 16°47 | 24° 7 | 24°44 | 10°40 | 14°16 | S 29 |
| S 30 | 18 50 11 | 11♋58'49 | 13♓43 | 15♋ 8 | 27♊28 | 16♉40 | 18♈ 5 | 17♈47 | 15♎40 | 12♎51 | 16♎49 | 24♑ 8 | 24♑41 | 10♈47 | 14♎18 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n39 | 11s21 | 2n30 | 24n30 | 1n15 | 17n18 | 1s 9 | 9n11 | 1s 3 | 4n23 | 1s15 | 4n 4 | 2s23 | 5s40 | 0n37 | 3s27 | 1n49 | 26n55 | 11n23 | 21s17 | 21s 1 | 7n29 | 6s56 | 1s33 |
| S 2 | 22 45 | 6 16 | 3 24 | 24 16 | 1 7 | 17 38 | 1 7 | 9 27 | 1 2 | 4 26 | 1 15 | 4 6 | 2 24 | 5 40 | 0 37 | 3 27 | 1 49 | 26 54 | 11 23 | 21 17 | 21 2 | 7 32 | 6 56 | 1 33 |
| M 3 | 22 52 | 1 3 | 4 8 | 24 2 | 0 57 | 17 58 | 1 5 | 9 43 | 1 2 | 4 30 | 1 15 | 4 8 | 2 24 | 5 40 | 0 37 | 3 27 | 1 49 | 26 54 | 11 23 | 21 17 | 21 3 | 7 35 | 6 55 | 1 32 |
| T 4 | 22 57 | 4n10 | 4 42 | 23 46 | 0 47 | 18 18 | 1 3 | 9 59 | 1 1 | 4 34 | 1 16 | 4 9 | 2 24 | 5 39 | 0 36 | 3 26 | 1 49 | 26 53 | 11 22 | 21 17 | 21 3 | 7 38 | 6 54 | 1 32 |
| W 5 | 23 3 | 9 14 | 5 3 | 23 30 | 0 37 | 18 37 | 1 1 | 10 15 | 1 1 | 4 38 | 1 16 | 4 11 | 2 24 | 5 39 | 0 36 | 3 26 | 1 49 | 26 52 | 11 22 | 21 18 | 21 4 | 7 40 | 6 54 | 1 31 |
| T 6 | 23 7 | 13 58 | 5 11 | 23 13 | 0 25 | 18 55 | 0 59 | 10 31 | 1 0 | 4 41 | 1 16 | 4 13 | 2 24 | 5 39 | 0 36 | 3 26 | 1 49 | 26 52 | 11 22 | 21 18 | 21 4 | 7 43 | 6 53 | 1 31 |
| F 7 | 23 12 | 18 13 | 5 5 | 22 56 | 0 14 | 19 13 | 0 57 | 10 46 | 1 0 | 4 45 | 1 16 | 4 14 | 2 25 | 5 39 | 0 36 | 3 26 | 1 49 | 26 51 | 11 22 | 21 19 | 21 5 | 7 46 | 6 53 | 1 31 |
| S 8 | 23 16 | 21 47 | 4 46 | 22 39 | 0 2 | 19 31 | 0 55 | 11 2 | 0 59 | 4 48 | 1 16 | 4 16 | 2 25 | 5 38 | 0 36 | 3 26 | 1 49 | 26 51 | 11 22 | 21 20 | 21 6 | 7 49 | 6 52 | 1 30 |
| S 9 | 23 20 | 24 25 | 4 13 | 22 21 | 0s11 | 19 48 | 0 52 | 11 17 | 0 59 | 4 52 | 1 17 | 4 17 | 2 25 | 5 38 | 0 36 | 3 26 | 1 49 | 26 50 | 11 21 | 21 21 | 21 6 | 7 52 | 6 52 | 1 30 |
| M10 | 23 23 | 25 53 | 3 27 | 22 3 | 0 24 | 20 5 | 0 50 | 11 32 | 0 58 | 4 55 | 1 17 | 4 19 | 2 25 | 5 38 | 0 36 | 3 26 | 1 49 | 26 49 | 11 21 | 21 22 | 21 7 | 7 55 | 6 52 | 1 29 |
| T 11 | 23 26 | 26 0 | 2 30 | 21 45 | 0 38 | 20 21 | 0 48 | 11 48 | 0 58 | 4 59 | 1 17 | 4 20 | 2 26 | 5 38 | 0 36 | 3 26 | 1 49 | 26 49 | 11 21 | 21 23 | 21 7 | 7 58 | 6 51 | 1 29 |
| W12 | 23 28 | 24 40 | 1 23 | 21 27 | 0 52 | 20 36 | 0 45 | 12 3 | 0 57 | 5 2 | 1 17 | 4 22 | 2 26 | 5 38 | 0 36 | 3 26 | 1 49 | 26 48 | 11 21 | 21 23 | 21 8 | 8 1 | 6 51 | 1 28 |
| T 13 | 23 30 | 21 55 | 0 11 | 21 9 | 1 7 | 20 51 | 0 43 | 12 17 | 0 57 | 5 5 | 1 17 | 4 23 | 2 26 | 5 38 | 0 36 | 3 26 | 1 49 | 26 48 | 11 21 | 21 23 | 21 9 | 8 4 | 6 51 | 1 28 |
| F 14 | 23 32 | 17 55 | 1s 3 | 20 51 | 1 21 | 21 5 | 0 41 | 12 32 | 0 56 | 5 9 | 1 18 | 4 25 | 2 26 | 5 38 | 0 36 | 3 26 | 1 49 | 26 47 | 11 20 | 21 23 | 21 9 | 8 7 | 6 51 | 1 27 |
| S 15 | 23 33 | 12 56 | 2 14 | 20 34 | 1 36 | 21 19 | 0 38 | 12 47 | 0 56 | 5 12 | 1 18 | 4 26 | 2 27 | 5 38 | 0 36 | 3 26 | 1 49 | 26 46 | 11 20 | 21 23 | 21 10 | 8 10 | 6 51 | 1 27 |
| S 16 | 23 34 | 7 14 | 3 19 | 20 17 | 1 51 | 21 32 | 0 36 | 13 1 | 0 55 | 5 15 | 1 18 | 4 27 | 2 27 | 5 38 | 0 36 | 3 26 | 1 49 | 26 46 | 11 20 | 21 23 | 21 10 | 8 12 | 6 51 | 1 26 |
| M17 | 23 34 | 1 7 | 4 12 | 20 1 | 2 7 | 21 45 | 0 33 | 13 16 | 0 55 | 5 18 | 1 18 | 4 29 | 2 27 | 5 38 | 0 36 | 3 26 | 1 49 | 26 45 | 11 20 | 21 23 | 21 11 | 8 15 | 6 51 | 1 26 |
| T 18 | 23 34 | 5s 5 | 4 50 | 19 45 | 2 22 | 21 57 | 0 31 | 13 30 | 0 54 | 5 21 | 1 18 | 4 30 | 2 27 | 5 38 | 0 36 | 3 26 | 1 49 | 26 44 | 11 20 | 21 23 | 21 12 | 8 18 | 6 51 | 1 26 |
| W19 | 23 34 | 11 4 | 5 11 | 19 30 | 2 37 | 22 9 | 0 29 | 13 44 | 0 53 | 5 24 | 1 19 | 4 31 | 2 28 | 5 38 | 0 36 | 3 26 | 1 48 | 26 44 | 11 20 | 21 23 | 21 12 | 8 21 | 6 51 | 1 25 |
| T 20 | 23 33 | 16 28 | 5 13 | 19 16 | 2 52 | 22 19 | 0 26 | 13 58 | 0 53 | 5 27 | 1 19 | 4 32 | 2 28 | 5 38 | 0 36 | 3 26 | 1 48 | 26 43 | 11 19 | 21 23 | 21 13 | 8 24 | 6 51 | 1 25 |
| F 21 | 23 32 | 20 58 | 4 55 | 19 3 | 3 7 | 22 30 | 0 24 | 14 12 | 0 52 | 5 30 | 1 19 | 4 33 | 2 28 | 5 38 | 0 36 | 3 26 | 1 48 | 26 43 | 11 19 | 21 23 | 21 13 | 8 27 | 6 51 | 1 24 |
| S 22 | 23 30 | 24 12 | 4 19 | 18 51 | 3 21 | 22 39 | 0 21 | 14 26 | 0 52 | 5 33 | 1 19 | 4 35 | 2 28 | 5 38 | 0 36 | 3 26 | 1 48 | 26 42 | 11 19 | 21 24 | 21 14 | 8 30 | 6 51 | 1 24 |
| S 23 | 23 28 | 25 54 | 3 28 | 18 40 | 3 35 | 22 48 | 0 19 | 14 39 | 0 51 | 5 35 | 1 20 | 4 36 | 2 29 | 5 38 | 0 36 | 3 26 | 1 48 | 26 41 | 11 19 | 21 24 | 21 14 | 8 33 | 6 51 | 1 23 |
| M24 | 23 25 | 25 57 | 2 26 | 18 31 | 3 48 | 22 56 | 0 16 | 14 53 | 0 51 | 5 38 | 1 20 | 4 37 | 2 29 | 5 38 | 0 36 | 3 26 | 1 48 | 26 41 | 11 19 | 21 25 | 21 15 | 8 36 | 6 52 | 1 23 |
| T 25 | 23 23 | 24 26 | 1 16 | 18 22 | 4 0 | 23 4 | 0 14 | 15 6 | 0 50 | 5 41 | 1 20 | 4 38 | 2 29 | 5 38 | 0 36 | 3 26 | 1 48 | 26 40 | 11 19 | 21 25 | 21 16 | 8 38 | 6 52 | 1 22 |
| W26 | 23 19 | 21 34 | 0 3 | 18 15 | 4 11 | 23 11 | 0 11 | 15 19 | 0 49 | 5 43 | 1 20 | 4 39 | 2 29 | 5 38 | 0 36 | 3 26 | 1 48 | 26 39 | 11 18 | 21 25 | 21 16 | 8 41 | 6 52 | 1 22 |
| T 27 | 23 15 | 17 40 | 1n 8 | 18 9 | 4 21 | 23 17 | 0 9 | 15 32 | 0 49 | 5 46 | 1 20 | 4 40 | 2 30 | 5 38 | 0 36 | 3 26 | 1 48 | 26 39 | 11 18 | 21 25 | 21 17 | 8 44 | 6 53 | 1 22 |
| F 28 | 23 11 | 13 2 | 2 14 | 18 5 | 4 30 | 23 23 | 0 6 | 15 45 | 0 48 | 5 48 | 1 21 | 4 40 | 2 30 | 5 39 | 0 36 | 3 27 | 1 48 | 26 38 | 11 18 | 21 25 | 21 17 | 8 47 | 6 53 | 1 21 |
| S 29 | 23 7 | 7 59 | 3 13 | 18 2 | 4 37 | 23 28 | 0 4 | 15 57 | 0 47 | 5 51 | 1 21 | 4 41 | 2 30 | 5 39 | 0 36 | 3 27 | 1 48 | 26 37 | 11 18 | 21 25 | 21 18 | 8 50 | 6 54 | 1 21 |
| S 30 | 23n 2 | 2s44 | 4n 1 | 18n 1 | 4s43 | 23n32 | 0s 1 | 16n10 | 0s47 | 5n53 | 1s21 | 4n42 | 2s30 | 5s39 | 0n35 | 3s27 | 1n48 | 26n37 | 11n18 | 21s24 | 21s18 | 8n53 | 6s54 | 1s20 |

Julian Day Number = 2074405.5, Delta T = 27m13s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°20'58, Lahiri = 9°27'58 Julian Calendar 1 June 967 == Greg. Calendar 6 June 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## JULY 967 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 54 8 | 12♋56'03 | 25♓43 | 14°R27 | 28♊41 | 17♉21 | 18♈11 | 17♈50 | 15♎40 | 12♎51 | 16♌51 | 24♑ 9 | 24♑38 | 10♈54 | 14♎21 | M 1 |
| T 2 | 18 58 4 | 13°53'18 | 7♈37 | 13♋45 | 29°55 | 18° 2 | 18°18 | 17°52 | 15°41 | 12°52 | 16°53 | 24°10 | 24°35 | 11° 0 | 14°23 | T 2 |
| W 3 | 19 2 1 | 14°50'33 | 19°31 | 13° 4 | 1♋ 8 | 18°44 | 18°24 | 17°55 | 15°42 | 12°52 | 16°54 | 24°R10 | 24°32 | 11° 7 | 14°26 | W 3 |
| T 4 | 19 5 58 | 15°47'50 | 1♉28 | 12°24 | 2°22 | 19°25 | 18°30 | 17°57 | 15°42 | 12°53 | 16°56 | 24° 9 | 24°29 | 11°14 | 14°29 | T 4 |
| F 5 | 19 9 54 | 16°45'08 | 13°32 | 11°47 | 3°35 | 20° 6 | 18°36 | 18° 0 | 15°43 | 12°53 | 16°58 | 24° 9 | 24°25 | 11°21 | 14°32 | F 5 |
| S 6 | 19 13 51 | 17°42'26 | 25°49 | 11°12 | 4°49 | 20°46 | 18°41 | 18° 2 | 15°44 | 12°54 | 17° 0 | 24° 8 | 24°22 | 11°27 | 14°35 | S 6 |
| S 7 | 19 17 47 | 18°39'46 | 8♊21 | 10°41 | 6° 2 | 21°27 | 18°47 | 18° 4 | 15°45 | 12°54 | 17° 1 | 24° 7 | 24°19 | 11°34 | 14°38 | S 7 |
| M 8 | 19 21 44 | 19°37'07 | 21°10 | 10°14 | 7°16 | 22° 8 | 18°52 | 18° 6 | 15°46 | 12°55 | 17° 3 | 24° 7 | 24°16 | 11°41 | 14°41 | M 8 |
| T 9 | 19 25 40 | 20°34'28 | 4♋19 | 9°51 | 8°29 | 22°48 | 18°57 | 18° 8 | 15°47 | 12°55 | 17° 5 | 24° 6 | 24°13 | 11°47 | 14°44 | T 9 |
| W10 | 19 29 37 | 21°31'51 | 17°46 | 9°34 | 9°43 | 23°29 | 19° 2 | 18° 9 | 15°48 | 12°56 | 17° 7 | 24°D 6 | 24° 9 | 11°54 | 14°48 | W10 |
| T 11 | 19 33 33 | 22°29'14 | 1♌31 | 9°22 | 10°57 | 24° 9 | 19° 7 | 18°11 | 15°49 | 12°57 | 17° 9 | 24° 6 | 24° 6 | 12° 1 | 14°51 | T 11 |
| F 12 | 19 37 30 | 23°26'39 | 15°31 | 9°16 | 12°10 | 24°50 | 19°12 | 18°13 | 15°50 | 12°57 | 17°11 | 24° 6 | 24° 3 | 12° 8 | 14°55 | F 12 |
| S 13 | 19 41 27 | 24°24'04 | 29°42 | 9°D16 | 13°24 | 25°30 | 19°16 | 18°14 | 15°51 | 12°58 | 17°12 | 24°R 6 | 24° 0 | 12°14 | 14°58 | S 13 |
| S 14 | 19 45 23 | 25°21'29 | 14♍ 0 | 9°22 | 14°38 | 26°10 | 19°21 | 18°16 | 15°53 | 12°59 | 17°14 | 24° 6 | 23°57 | 12°21 | 15° 2 | S 14 |
| M15 | 19 49 20 | 26°18'56 | 28°21 | 9°35 | 15°52 | 26°50 | 19°25 | 18°17 | 15°54 | 13° 0 | 17°16 | 24° 6 | 23°54 | 12°28 | 15° 6 | M15 |
| T 16 | 19 53 16 | 27°16'23 | 12♎41 | 9°54 | 17° 5 | 27°30 | 19°29 | 18°18 | 15°55 | 13° 0 | 17°18 | 24° 6 | 23°50 | 12°35 | 15°10 | T 16 |
| W17 | 19 57 13 | 28°13'51 | 26°57 | 10°20 | 18°19 | 28° 9 | 19°32 | 18°19 | 15°57 | 13° 1 | 17°20 | 24°D 6 | 23°47 | 12°41 | 15°14 | W17 |
| T 18 | 20 1 9 | 29°11'20 | 11♏ 6 | 10°52 | 19°33 | 28°49 | 19°36 | 18°20 | 15°58 | 13° 2 | 17°22 | 24° 6 | 23°44 | 12°48 | 15°18 | T 18 |
| F 19 | 20 5 6 | 0♌ 8'50 | 25° 6 | 11°31 | 20°47 | 29°29 | 19°39 | 18°21 | 16° 0 | 13° 3 | 17°24 | 24° 6 | 23°41 | 12°55 | 15°23 | F 19 |
| S 20 | 20 9 2 | 1° 6'20 | 8♐55 | 12°17 | 22° 1 | 0♊ 8 | 19°43 | 18°22 | 16° 1 | 13° 4 | 17°26 | 24° 7 | 23°38 | 13° 1 | 15°27 | S 20 |
| S 21 | 20 12 59 | 2° 3'52 | 22°33 | 13° 9 | 23°15 | 0°48 | 19°46 | 18°22 | 16° 3 | 13° 5 | 17°28 | 24° 7 | 23°35 | 13° 8 | 15°31 | S 21 |
| M22 | 20 16 56 | 3° 1'25 | 5♑57 | 14° 8 | 24°29 | 1°27 | 19°48 | 18°23 | 16° 5 | 13° 6 | 17°30 | 24° 8 | 23°31 | 13°15 | 15°36 | M22 |
| T 23 | 20 20 52 | 3°58'58 | 19° 9 | 15°12 | 25°43 | 2° 6 | 19°51 | 18°23 | 16° 6 | 13° 7 | 17°31 | 24°R 8 | 23°28 | 13°22 | 15°40 | T 23 |
| W24 | 20 24 49 | 4°56'33 | 2♒ 6 | 16°23 | 26°57 | 2°45 | 19°54 | 18°24 | 16° 8 | 13° 8 | 17°33 | 24° 8 | 23°25 | 13°28 | 15°45 | W24 |
| T 25 | 20 28 45 | 5°54'09 | 14°49 | 17°39 | 28°11 | 3°24 | 19°56 | 18°24 | 16°10 | 13° 9 | 17°35 | 24° 8 | 23°22 | 13°35 | 15°50 | T 25 |
| F 26 | 20 32 42 | 6°51'47 | 27°19 | 19° 0 | 29°25 | 4° 3 | 19°58 | 18°24 | 16°12 | 13°10 | 17°37 | 24° 6 | 23°19 | 13°42 | 15°55 | F 26 |
| S 27 | 20 36 38 | 7°49'25 | 9♓37 | 20°27 | 0♌39 | 4°42 | 20° 0 | 18°R24 | 16°13 | 13°11 | 17°39 | 24° 5 | 23°15 | 13°48 | 16° 0 | S 27 |
| S 28 | 20 40 35 | 8°47'06 | 21°44 | 21°59 | 1°53 | 5°20 | 20° 1 | 18°24 | 16°15 | 13°13 | 17°41 | 24° 2 | 23°12 | 13°55 | 16° 5 | S 28 |
| M29 | 20 44 31 | 9°44'48 | 3♈43 | 23°35 | 3° 7 | 5°59 | 20° 3 | 18°24 | 16°17 | 13°14 | 17°43 | 24° 0 | 23° 9 | 14° 2 | 16°10 | M29 |
| T 30 | 20 48 28 | 10°42'31 | 15°36 | 25°15 | 4°21 | 6°37 | 20° 4 | 18°24 | 16°19 | 13°15 | 17°45 | 23°58 | 23° 6 | 14° 9 | 16°15 | T 30 |
| W31 | 20 52 25 | 11♌40'16 | 27♈29 | 26♋59 | 5♌35 | 7♊16 | 20♈ 5 | 18♈23 | 16♎21 | 13♎16 | 17♌47 | 23♑57 | 23♑ 3 | 14♈15 | 16♎20 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n56 | 2n33 | 4n38 | 18n 1 | 4s47 | 23n35 | 0n 1 | 16n22 | 0s46 | 5n55 | 1s21 | 4n43 | 2s31 | 5s39 | 0n35 | 3s27 | 1n48 | 26n36 | 11n18 | 21s24 | 21s19 | 8n56 | 6s55 | 1s20 |
| T 2 | 22 51 | 7 41 | 5 3 | 18 3 | 4 50 | 23 38 | 0 4 | 16 35 | 0 45 | 5 57 | 1 22 | 4 44 | 2 31 | 5 40 | 0 35 | 3 27 | 1 48 | 26 35 | 11 18 | 21 24 | 21 20 | 8 58 | 6 55 | 1 19 |
| W 3 | 22 45 | 12 32 | 5 15 | 18 6 | 4 51 | 23 41 | 0 6 | 16 47 | 0 45 | 5 59 | 1 22 | 4 44 | 2 31 | 5 40 | 0 35 | 3 28 | 1 48 | 26 35 | 11 18 | 21 24 | 21 20 | 9 1 | 6 56 | 1 19 |
| T 4 | 22 38 | 16 57 | 5 14 | 18 11 | 4 50 | 23 42 | 0 9 | 16 58 | 0 44 | 6 1 | 1 22 | 4 45 | 2 31 | 5 40 | 0 35 | 3 28 | 1 48 | 26 34 | 11 18 | 21 24 | 21 21 | 9 4 | 6 57 | 1 18 |
| F 5 | 22 31 | 20 44 | 4 59 | 18 16 | 4 48 | 23 43 | 0 11 | 17 10 | 0 43 | 6 4 | 1 22 | 4 46 | 2 32 | 5 41 | 0 35 | 3 28 | 1 48 | 26 33 | 11 17 | 21 24 | 21 21 | 9 7 | 6 57 | 1 18 |
| S 6 | 22 24 | 23 41 | 4 30 | 18 24 | 4 43 | 23 43 | 0 14 | 17 22 | 0 43 | 6 5 | 1 23 | 4 46 | 2 32 | 5 41 | 0 35 | 3 28 | 1 48 | 26 33 | 11 17 | 21 24 | 21 22 | 9 10 | 6 58 | 1 18 |
| S 7 | 22 16 | 25 33 | 3 47 | 18 32 | 4 37 | 23 42 | 0 16 | 17 33 | 0 42 | 6 7 | 1 23 | 4 47 | 2 32 | 5 41 | 0 35 | 3 28 | 1 47 | 26 32 | 11 17 | 21 25 | 21 22 | 9 13 | 6 59 | 1 17 |
| M 8 | 22 8 | 26 9 | 2 52 | 18 41 | 4 30 | 23 41 | 0 18 | 17 44 | 0 41 | 6 9 | 1 23 | 4 47 | 2 33 | 5 42 | 0 35 | 3 29 | 1 47 | 26 31 | 11 17 | 21 25 | 21 23 | 9 15 | 7 0 | 1 17 |
| T 9 | 21 59 | 25 18 | 1 47 | 18 52 | 4 21 | 23 39 | 0 21 | 17 56 | 0 40 | 6 11 | 1 23 | 4 48 | 2 33 | 5 42 | 0 35 | 3 29 | 1 47 | 26 31 | 11 17 | 21 25 | 21 24 | 9 18 | 7 1 | 1 16 |
| W10 | 21 50 | 22 58 | 0 35 | 19 3 | 4 11 | 23 36 | 0 23 | 18 6 | 0 40 | 6 13 | 1 24 | 4 48 | 2 33 | 5 43 | 0 35 | 3 29 | 1 47 | 26 30 | 11 17 | 21 25 | 21 24 | 9 21 | 7 2 | 1 16 |
| T 11 | 21 41 | 19 16 | 0s41 | 19 15 | 4 0 | 23 33 | 0 26 | 18 17 | 0 39 | 6 14 | 1 24 | 4 48 | 2 33 | 5 43 | 0 35 | 3 30 | 1 47 | 26 30 | 11 17 | 21 25 | 21 25 | 9 24 | 7 3 | 1 16 |
| F 12 | 21 32 | 14 26 | 1 56 | 19 28 | 3 48 | 23 28 | 0 28 | 18 28 | 0 38 | 6 16 | 1 24 | 4 49 | 2 34 | 5 44 | 0 35 | 3 30 | 1 47 | 26 29 | 11 17 | 21 25 | 21 25 | 9 27 | 7 4 | 1 15 |
| S 13 | 21 22 | 8 46 | 3 5 | 19 41 | 3 34 | 23 24 | 0 30 | 18 38 | 0 38 | 6 17 | 1 24 | 4 49 | 2 34 | 5 44 | 0 35 | 3 30 | 1 47 | 26 28 | 11 17 | 21 25 | 21 26 | 9 30 | 7 5 | 1 15 |
| S 14 | 21 11 | 2 36 | 4 3 | 19 55 | 3 20 | 23 18 | 0 32 | 18 48 | 0 37 | 6 19 | 1 25 | 4 49 | 2 34 | 5 45 | 0 35 | 3 31 | 1 47 | 26 28 | 11 17 | 21 25 | 21 26 | 9 32 | 7 6 | 1 14 |
| M15 | 21 0 | 3s42 | 4 45 | 20 8 | 3 6 | 23 12 | 0 35 | 18 58 | 0 36 | 6 20 | 1 25 | 4 50 | 2 35 | 5 45 | 0 35 | 3 31 | 1 47 | 26 27 | 11 17 | 21 25 | 21 27 | 9 35 | 7 7 | 1 14 |
| T 16 | 20 49 | 9 48 | 5 11 | 20 22 | 2 50 | 23 5 | 0 37 | 19 8 | 0 35 | 6 21 | 1 25 | 4 50 | 2 35 | 5 46 | 0 35 | 3 31 | 1 47 | 26 26 | 11 17 | 21 25 | 21 27 | 9 38 | 7 8 | 1 13 |
| W17 | 20 38 | 15 21 | 5 16 | 20 36 | 2 35 | 22 57 | 0 39 | 19 18 | 0 34 | 6 22 | 1 25 | 4 50 | 2 35 | 5 46 | 0 35 | 3 32 | 1 47 | 26 26 | 11 17 | 21 25 | 21 28 | 9 41 | 7 9 | 1 13 |
| T 18 | 20 26 | 20 2 | 5 3 | 20 49 | 2 19 | 22 49 | 0 41 | 19 28 | 0 34 | 6 23 | 1 26 | 4 50 | 2 35 | 5 47 | 0 35 | 3 32 | 1 47 | 26 25 | 11 17 | 21 25 | 21 29 | 9 44 | 7 11 | 1 13 |
| F 19 | 20 14 | 23 32 | 4 32 | 21 2 | 2 3 | 22 40 | 0 43 | 19 37 | 0 33 | 6 24 | 1 26 | 4 50 | 2 36 | 5 48 | 0 35 | 3 33 | 1 47 | 26 24 | 11 17 | 21 25 | 21 29 | 9 46 | 7 12 | 1 12 |
| S 20 | 20 1 | 25 37 | 3 45 | 21 14 | 1 47 | 22 30 | 0 45 | 19 46 | 0 32 | 6 25 | 1 26 | 4 50 | 2 36 | 5 48 | 0 35 | 3 33 | 1 47 | 26 24 | 11 17 | 21 25 | 21 30 | 9 49 | 7 13 | 1 12 |
| S 21 | 19 49 | 26 8 | 2 46 | 21 25 | 1 31 | 22 20 | 0 47 | 19 55 | 0 31 | 6 26 | 1 26 | 4 50 | 2 36 | 5 49 | 0 35 | 3 33 | 1 47 | 26 23 | 11 17 | 21 24 | 21 30 | 9 52 | 7 14 | 1 11 |
| M22 | 19 36 | 25 5 | 1 39 | 21 35 | 1 15 | 22 9 | 0 49 | 20 4 | 0 30 | 6 27 | 1 27 | 4 50 | 2 36 | 5 50 | 0 35 | 3 34 | 1 47 | 26 22 | 11 16 | 21 24 | 21 31 | 9 55 | 7 16 | 1 11 |
| T 23 | 19 22 | 22 39 | 0 28 | 21 43 | 0 59 | 21 57 | 0 51 | 20 13 | 0 30 | 6 28 | 1 27 | 4 50 | 2 37 | 5 50 | 0 35 | 3 34 | 1 47 | 26 22 | 11 16 | 21 24 | 21 31 | 9 58 | 7 17 | 1 11 |
| W24 | 19 8 | 19 5 | 0n44 | 21 50 | 0 44 | 21 45 | 0 53 | 20 21 | 0 29 | 6 29 | 1 27 | 4 50 | 2 37 | 5 51 | 0 35 | 3 35 | 1 47 | 26 21 | 11 16 | 21 24 | 21 32 | 10 0 | 7 19 | 1 10 |
| T 25 | 18 54 | 14 42 | 1 52 | 21 55 | 0 29 | 21 32 | 0 55 | 20 30 | 0 28 | 6 29 | 1 27 | 4 50 | 2 37 | 5 52 | 0 35 | 3 35 | 1 47 | 26 20 | 11 16 | 21 24 | 21 32 | 10 3 | 7 20 | 1 10 |
| F 26 | 18 40 | 9 45 | 2 53 | 21 58 | 0 15 | 21 19 | 0 56 | 20 38 | 0 27 | 6 30 | 1 28 | 4 50 | 2 38 | 5 52 | 0 35 | 3 36 | 1 46 | 26 20 | 11 16 | 21 25 | 21 33 | 10 6 | 7 22 | 1 10 |
| S 27 | 18 25 | 4 32 | 3 45 | 21 59 | 0 1 | 21 4 | 0 58 | 20 46 | 0 26 | 6 30 | 1 28 | 4 49 | 2 38 | 5 53 | 0 34 | 3 36 | 1 46 | 26 19 | 11 16 | 21 25 | 21 33 | 10 9 | 7 23 | 1 9 |
| S 28 | 18 10 | 0n47 | 4 27 | 21 58 | 0n12 | 20 50 | 1 0 | 20 54 | 0 25 | 6 31 | 1 28 | 4 49 | 2 38 | 5 54 | 0 34 | 3 37 | 1 46 | 26 19 | 11 17 | 21 25 | 21 34 | 10 12 | 7 25 | 1 9 |
| M29 | 17 55 | 6 0 | 4 56 | 21 54 | 0 24 | 20 34 | 1 2 | 21 1 | 0 25 | 6 31 | 1 28 | 4 49 | 2 38 | 5 55 | 0 34 | 3 37 | 1 46 | 26 18 | 11 17 | 21 26 | 21 35 | 10 14 | 7 27 | 1 8 |
| T 30 | 17 39 | 10 58 | 5 12 | 21 47 | 0 36 | 20 18 | 1 3 | 21 9 | 0 24 | 6 31 | 1 29 | 4 48 | 2 39 | 5 56 | 0 34 | 3 38 | 1 46 | 26 17 | 11 17 | 21 26 | 21 35 | 10 17 | 7 28 | 1 8 |
| W31 | 17n23 | 15n31 | 5n15 | 21n38 | 0n46 | 20n 2 | 1n 5 | 21n16 | 0s23 | 6n31 | 1s29 | 4n48 | 2s39 | 5s56 | 0n34 | 3s38 | 1n46 | 26n17 | 11n17 | 21s26 | 21s36 | 10n20 | 7s30 | 1s 8 |

Julian Day Number = 2074435.5, Delta T = 27m12s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'02, Lahiri = 9°28'02 Julian Calendar 1 July 967 == Greg. Calendar 6 July 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## AUGUST 967 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 56 21 | 12♌38'03 | 9♉25 | 28♋46 | 6♌49 | 7♊54 | 20♈ 6 | 18°R23 | 16♎24 | 13♎18 | 17♌49 | 23°D56 | 23♑ 0 | 14♈22 | 16♎26 | T 1 |
| F 2 | 21 0 18 | 13°35'52 | 21°28 | 0♌36 | 8° 4 | 8°32 | 20° 7 | 18♈22 | 16°26 | 13°19 | 17°51 | 23♑56 | 22°56 | 14°29 | 16°31 | F 2 |
| S 3 | 21 4 14 | 14°33'42 | 3♊44 | 2°28 | 9°18 | 9°10 | 20° 7 | 18°21 | 16°28 | 13°20 | 17°53 | 23°57 | 22°53 | 14°36 | 16°36 | S 3 |
| S 4 | 21 8 11 | 15°31'34 | 16°16 | 4°23 | 10°32 | 9°48 | 20° 8 | 18°21 | 16°30 | 13°22 | 17°55 | 23°59 | 22°50 | 14°42 | 16°42 | S 4 |
| M 5 | 21 12 7 | 16°29'29 | 29° 9 | 6°19 | 11°47 | 10°26 | 20°R 8 | 18°20 | 16°32 | 13°23 | 17°57 | 24° 0 | 22°47 | 14°49 | 16°48 | M 5 |
| T 6 | 21 16 4 | 17°27'25 | 12♋25 | 8°16 | 13° 1 | 11° 3 | 20° 8 | 18°19 | 16°35 | 13°24 | 17°59 | 24° 1 | 22°44 | 14°56 | 16°53 | T 6 |
| W 7 | 21 20 0 | 18°25'22 | 26° 5 | 10°13 | 14°15 | 11°41 | 20° 7 | 18°17 | 16°37 | 13°26 | 18° 1 | 24°R 2 | 22°41 | 15° 2 | 16°59 | W 7 |
| T 8 | 21 23 57 | 19°23'22 | 10♌ 8 | 12°12 | 15°30 | 12°18 | 20° 7 | 18°16 | 16°40 | 13°27 | 18° 3 | 24° 1 | 22°37 | 15° 9 | 17° 5 | T 8 |
| F 9 | 21 27 54 | 20°21'23 | 24°31 | 14°10 | 16°44 | 12°55 | 20° 6 | 18°15 | 16°42 | 13°29 | 18° 5 | 23°59 | 22°34 | 15°16 | 17°11 | F 9 |
| S 10 | 21 31 50 | 21°19'25 | 9♍ 9 | 16° 9 | 17°58 | 13°32 | 20° 5 | 18°13 | 16°44 | 13°30 | 18° 7 | 23°56 | 22°31 | 15°23 | 17°17 | S 10 |
| S 11 | 21 35 47 | 22°17'29 | 23°55 | 18° 7 | 19°13 | 14° 9 | 20° 4 | 18°12 | 16°47 | 13°32 | 18° 9 | 23°52 | 22°28 | 15°29 | 17°23 | S 11 |
| M12 | 21 39 43 | 23°15'35 | 8♎41 | 20° 5 | 20°27 | 14°46 | 20° 3 | 18°10 | 16°50 | 13°33 | 18°11 | 23°48 | 22°25 | 15°36 | 17°29 | M12 |
| T 13 | 21 43 40 | 24°13'42 | 23°20 | 22° 2 | 21°42 | 15°23 | 20° 1 | 18° 8 | 16°52 | 13°35 | 18°13 | 23°44 | 22°21 | 15°43 | 17°36 | T 13 |
| W14 | 21 47 36 | 25°11'51 | 7♏46 | 23°59 | 22°56 | 16° 0 | 20° 0 | 18° 7 | 16°55 | 13°37 | 18°15 | 23°42 | 22°18 | 15°49 | 17°42 | W14 |
| T 15 | 21 51 33 | 26°10'01 | 21°56 | 25°55 | 24°11 | 16°36 | 19°58 | 18° 5 | 16°57 | 13°38 | 18°17 | 23°D41 | 22°15 | 15°56 | 17°48 | T 15 |
| F 16 | 21 55 29 | 27° 8'13 | 5♐49 | 27°49 | 25°25 | 17°12 | 19°56 | 18° 3 | 17° 0 | 13°40 | 18°19 | 23°41 | 22°12 | 16° 3 | 17°55 | F 16 |
| S 17 | 21 59 26 | 28° 6'27 | 19°24 | 29°43 | 26°40 | 17°49 | 19°53 | 18° 1 | 17° 3 | 13°42 | 18°21 | 23°42 | 22° 9 | 16°10 | 18° 1 | S 17 |
| S 18 | 22 3 23 | 29° 4'42 | 2♑42 | 1♍36 | 27°54 | 18°25 | 19°51 | 17°58 | 17° 6 | 13°43 | 18°23 | 23°44 | 22° 6 | 16°16 | 18° 8 | S 18 |
| M19 | 22 7 19 | 0♍ 2'58 | 15°45 | 3°27 | 29° 9 | 19° 0 | 19°48 | 17°56 | 17° 9 | 13°45 | 18°25 | 23°45 | 22° 2 | 16°23 | 18°14 | M19 |
| T 20 | 22 11 16 | 1° 1'16 | 28°34 | 5°18 | 0♍24 | 19°36 | 19°45 | 17°54 | 17°11 | 13°47 | 18°27 | 23°R45 | 21°59 | 16°30 | 18°21 | T 20 |
| W21 | 22 15 12 | 1°59'36 | 11♒11 | 7° 7 | 1°38 | 20°12 | 19°42 | 17°51 | 17°14 | 13°48 | 18°29 | 23°44 | 21°56 | 16°37 | 18°28 | W21 |
| T 22 | 22 19 9 | 2°57'57 | 23°38 | 8°56 | 2°53 | 20°47 | 19°39 | 17°48 | 17°17 | 13°50 | 18°31 | 23°40 | 21°53 | 16°43 | 18°35 | T 22 |
| F 23 | 22 23 5 | 3°56'21 | 5♓55 | 10°43 | 4° 8 | 21°23 | 19°36 | 17°46 | 17°20 | 13°52 | 18°33 | 23°35 | 21°50 | 16°50 | 18°41 | F 23 |
| S 24 | 22 27 2 | 4°54'46 | 18° 4 | 12°29 | 5°22 | 21°58 | 19°32 | 17°43 | 17°23 | 13°54 | 18°35 | 23°28 | 21°47 | 16°57 | 18°48 | S 24 |
| S 25 | 22 30 58 | 5°53'13 | 0♈ 5 | 14°14 | 6°37 | 22°33 | 19°28 | 17°40 | 17°26 | 13°56 | 18°37 | 23°20 | 21°43 | 17° 3 | 18°55 | S 25 |
| M26 | 22 34 55 | 6°51'42 | 12° 1 | 15°58 | 7°52 | 23° 8 | 19°24 | 17°37 | 17°29 | 13°58 | 18°39 | 23°12 | 21°40 | 17°10 | 19° 2 | M26 |
| T 27 | 22 38 52 | 7°50'13 | 23°53 | 17°41 | 9° 6 | 23°42 | 19°20 | 17°34 | 17°32 | 13°59 | 18°41 | 23° 5 | 21°37 | 17°17 | 19° 9 | T 27 |
| W28 | 22 42 48 | 8°48'47 | 5♉45 | 19°22 | 10°21 | 24°17 | 19°16 | 17°31 | 17°35 | 14° 1 | 18°42 | 22°58 | 21°34 | 17°24 | 19°16 | W28 |
| T 29 | 22 46 45 | 9°47'23 | 17°39 | 21° 3 | 11°36 | 24°51 | 19°11 | 17°28 | 17°39 | 14° 3 | 18°44 | 22°54 | 21°31 | 17°30 | 19°24 | T 29 |
| F 30 | 22 50 41 | 10°46'01 | 29°40 | 22°43 | 12°51 | 25°25 | 19° 6 | 17°25 | 17°42 | 14° 5 | 18°46 | 22°51 | 21°27 | 17°37 | 19°31 | F 30 |
| S 31 | 22 54 38 | 11♍44'41 | 11♊52 | 24♍22 | 14♍ 5 | 26♊ 0 | 19♈ 2 | 17♈21 | 17♎45 | 14♎ 7 | 18♌48 | 22°D50 | 21♑24 | 17♈44 | 19♎38 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 17n 7 | 19n30 | 5n 4 | 21n26 | 0n56 | 19n44 | 1n 6 | 21n23 | 0s22 | 6n32 | 1s29 | 4n47 | 2s39 | 5s57 | 0n34 | 3s39 | 1n46 | 26n16 | 11n17 | 21s26 | 21s36 | 10n23 | 7s32 | 1s 7 | |
| F 2 | 16 50 | 22 43 | 4 40 | 21 12 | 1 5 | 19 27 | 1 8 | 21 30 | 0 21 | 6 32 | 1 29 | 4 47 | 2 40 | 5 58 | 0 34 | 3 39 | 1 46 | 26 16 | 11 17 | 21 26 | 21 37 | 10 25 | 7 33 | 1 7 | |
| S 3 | 16 33 | 24 59 | 4 2 | 20 54 | 1 13 | 19 8 | 1 9 | 21 37 | 0 20 | 6 32 | 1 30 | 4 46 | 2 40 | 5 59 | 0 34 | 3 40 | 1 46 | 26 15 | 11 17 | 21 26 | 21 37 | 10 28 | 7 35 | 1 6 | |
| S 4 | 16 16 | 26 4 | 3 13 | 20 35 | 1 21 | 18 49 | 1 10 | 21 44 | 0 19 | 6 31 | 1 30 | 4 46 | 2 40 | 6 0 | 0 34 | 3 41 | 1 46 | 26 14 | 11 17 | 21 26 | 21 38 | 10 31 | 7 37 | 1 6 | |
| M 5 | 15 59 | 25 47 | 2 13 | 20 12 | 1 27 | 18 30 | 1 12 | 21 50 | 0 18 | 6 31 | 1 30 | 4 45 | 2 40 | 6 1 | 0 34 | 3 41 | 1 46 | 26 14 | 11 17 | 21 26 | 21 38 | 10 34 | 7 39 | 1 6 | |
| T 6 | 15 41 | 24 3 | 1 3 | 19 47 | 1 32 | 18 10 | 1 13 | 21 56 | 0 17 | 6 31 | 1 30 | 4 45 | 2 41 | 6 2 | 0 34 | 3 42 | 1 46 | 26 13 | 11 17 | 21 26 | 21 39 | 10 36 | 7 41 | 1 5 | |
| W 7 | 15 23 | 20 52 | 0s11 | 19 20 | 1 37 | 17 50 | 1 14 | 22 3 | 0 16 | 6 31 | 1 31 | 4 44 | 2 41 | 6 3 | 0 34 | 3 42 | 1 46 | 26 13 | 11 17 | 21 25 | 21 39 | 10 39 | 7 43 | 1 5 | |
| T 8 | 15 5 | 16 24 | 1 27 | 18 50 | 1 40 | 17 29 | 1 15 | 22 8 | 0 15 | 6 30 | 1 31 | 4 43 | 2 41 | 6 4 | 0 34 | 3 43 | 1 46 | 26 12 | 11 17 | 21 26 | 21 40 | 10 42 | 7 45 | 1 5 | |
| F 9 | 14 47 | 10 55 | 2 39 | 18 19 | 1 43 | 17 7 | 1 16 | 22 14 | 0 14 | 6 30 | 1 31 | 4 43 | 2 41 | 6 5 | 0 34 | 3 44 | 1 46 | 26 11 | 11 17 | 21 26 | 21 40 | 10 45 | 7 46 | 1 4 | |
| S 10 | 14 28 | 4 45 | 3 42 | 17 45 | 1 45 | 16 45 | 1 17 | 22 20 | 0 13 | 6 29 | 1 31 | 4 42 | 2 42 | 6 5 | 0 34 | 3 44 | 1 46 | 26 11 | 11 17 | 21 27 | 21 41 | 10 47 | 7 48 | 1 4 | |
| S 11 | 14 10 | 1s43 | 4 31 | 17 10 | 1 46 | 16 23 | 1 18 | 22 25 | 0 13 | 6 28 | 1 32 | 4 41 | 2 42 | 6 6 | 0 34 | 3 45 | 1 46 | 26 10 | 11 17 | 21 27 | 21 41 | 10 50 | 7 50 | 1 4 | |
| M12 | 13 50 | 8 4 | 5 2 | 16 34 | 1 47 | 16 0 | 1 19 | 22 30 | 0 12 | 6 28 | 1 32 | 4 40 | 2 42 | 6 8 | 0 34 | 3 45 | 1 46 | 26 10 | 11 17 | 21 28 | 21 42 | 10 53 | 7 53 | 1 3 | |
| T 13 | 13 31 | 13 56 | 5 12 | 15 55 | 1 47 | 15 37 | 1 20 | 22 36 | 0 11 | 6 27 | 1 32 | 4 39 | 2 42 | 6 9 | 0 34 | 3 46 | 1 46 | 26 9 | 11 17 | 21 28 | 21 42 | 10 56 | 7 55 | 1 3 | |
| W14 | 13 12 | 18 57 | 5 3 | 15 16 | 1 46 | 15 13 | 1 21 | 22 40 | 0 10 | 6 26 | 1 32 | 4 38 | 2 43 | 6 10 | 0 34 | 3 47 | 1 46 | 26 9 | 11 18 | 21 29 | 21 43 | 10 58 | 7 57 | 1 3 | |
| T 15 | 12 52 | 22 47 | 4 35 | 14 36 | 1 45 | 14 49 | 1 21 | 22 45 | 0 9 | 6 25 | 1 33 | 4 37 | 2 43 | 6 11 | 0 34 | 3 47 | 1 46 | 26 8 | 11 18 | 21 29 | 21 43 | 11 1 | 7 59 | 1 2 | |
| F 16 | 12 32 | 25 12 | 3 52 | 13 54 | 1 43 | 14 24 | 1 22 | 22 50 | 0 8 | 6 24 | 1 33 | 4 36 | 2 43 | 6 12 | 0 34 | 3 48 | 1 46 | 26 8 | 11 18 | 21 29 | 21 44 | 11 4 | 8 1 | 1 2 | |
| S 17 | 12 12 | 26 5 | 2 56 | 13 12 | 1 40 | 13 59 | 1 22 | 22 54 | 0 7 | 6 23 | 1 33 | 4 35 | 2 43 | 6 13 | 0 34 | 3 49 | 1 45 | 26 7 | 11 18 | 21 29 | 21 45 | 11 6 | 8 3 | 1 1 | |
| S 18 | 11 52 | 25 25 | 1 52 | 12 29 | 1 37 | 13 34 | 1 23 | 22 58 | 0 5 | 6 22 | 1 33 | 4 34 | 2 44 | 6 14 | 0 34 | 3 49 | 1 45 | 26 7 | 11 18 | 21 29 | 21 45 | 11 9 | 8 5 | 1 1 | |
| M19 | 11 31 | 23 22 | 0 44 | 11 45 | 1 34 | 13 8 | 1 23 | 23 3 | 0 4 | 6 21 | 1 34 | 4 33 | 2 44 | 6 15 | 0 34 | 3 50 | 1 45 | 26 6 | 11 18 | 21 28 | 21 46 | 11 12 | 8 8 | 1 1 | |
| T 20 | 11 10 | 20 8 | 0n26 | 11 1 | 1 30 | 12 42 | 1 24 | 23 6 | 0 3 | 6 19 | 1 34 | 4 32 | 2 44 | 6 16 | 0 34 | 3 51 | 1 45 | 26 5 | 11 18 | 21 28 | 21 46 | 11 14 | 8 10 | 1 0 | |
| W21 | 10 49 | 16 1 | 1 33 | 10 16 | 1 26 | 12 16 | 1 24 | 23 10 | 0 2 | 6 18 | 1 34 | 4 31 | 2 44 | 6 17 | 0 34 | 3 52 | 1 45 | 26 5 | 11 18 | 21 29 | 21 47 | 11 17 | 8 12 | 1 0 | |
| T 22 | 10 28 | 11 17 | 2 35 | 9 31 | 1 21 | 11 49 | 1 24 | 23 14 | 0 1 | 6 17 | 1 34 | 4 30 | 2 45 | 6 18 | 0 34 | 3 52 | 1 45 | 26 4 | 11 19 | 21 29 | 21 47 | 11 20 | 8 14 | 1 0 | |
| F 23 | 10 7 | 6 10 | 3 28 | 8 46 | 1 17 | 11 22 | 1 25 | 23 17 | 0 0 | 6 15 | 1 34 | 4 28 | 2 45 | 6 20 | 0 34 | 3 53 | 1 45 | 26 4 | 11 19 | 21 30 | 21 48 | 11 23 | 8 17 | 0 59 | |
| S 24 | 9 46 | 0 53 | 4 12 | 8 1 | 1 11 | 10 54 | 1 25 | 23 21 | 0n 1 | 6 13 | 1 35 | 4 27 | 2 45 | 6 21 | 0 34 | 3 54 | 1 45 | 26 4 | 11 19 | 21 31 | 21 48 | 11 25 | 8 19 | 0 59 | |
| S 25 | 9 24 | 4n21 | 4 43 | 7 15 | 1 6 | 10 27 | 1 25 | 23 24 | 0 2 | 6 12 | 1 35 | 4 26 | 2 45 | 6 22 | 0 34 | 3 55 | 1 45 | 26 3 | 11 19 | 21 33 | 21 49 | 11 28 | 8 21 | 0 59 | |
| M26 | 9 3 | 9 24 | 5 2 | 6 29 | 1 0 | 9 59 | 1 25 | 23 27 | 0 3 | 6 10 | 1 35 | 4 24 | 2 45 | 6 23 | 0 34 | 3 55 | 1 45 | 26 3 | 11 19 | 21 34 | 21 49 | 11 31 | 8 24 | 0 58 | |
| T 27 | 8 41 | 14 5 | 5 8 | 5 44 | 0 54 | 9 30 | 1 25 | 23 30 | 0 4 | 6 8 | 1 35 | 4 23 | 2 46 | 6 24 | 0 34 | 3 56 | 1 45 | 26 2 | 11 19 | 21 35 | 21 50 | 11 33 | 8 26 | 0 58 | |
| W28 | 8 19 | 18 13 | 5 0 | 4 58 | 0 48 | 9 2 | 1 24 | 23 32 | 0 5 | 6 7 | 1 36 | 4 22 | 2 46 | 6 26 | 0 34 | 3 57 | 1 45 | 26 2 | 11 20 | 21 36 | 21 50 | 11 36 | 8 29 | 0 58 | |
| T 29 | 7 57 | 21 40 | 4 40 | 4 12 | 0 42 | 8 33 | 1 24 | 23 35 | 0 7 | 6 5 | 1 36 | 4 20 | 2 46 | 6 27 | 0 34 | 3 58 | 1 45 | 26 1 | 11 20 | 21 37 | 21 51 | 11 39 | 8 31 | 0 58 | |
| F 30 | 7 34 | 24 13 | 4 7 | 3 27 | 0 35 | 8 4 | 1 24 | 23 37 | 0 8 | 6 3 | 1 36 | 4 19 | 2 46 | 6 28 | 0 33 | 3 58 | 1 45 | 26 1 | 11 20 | 21 38 | 21 51 | 11 41 | 8 34 | 0 57 | |
| S 31 | 7n12 | 25n41 | 3n22 | 2n41 | 0n29 | 7n35 | 1n24 | 23n40 | 0n 9 | 6n 1 | 1s36 | 4n17 | 2s46 | 6s29 | 0n33 | 3s59 | 1n45 | 26n 0 | 11n20 | 21s38 | 21s52 | 11n44 | 8s36 | 0s57 | |

Julian Day Number = 2074466.5, Delta T = 27m12s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'06, Lahiri = 9°28'07 Julian Calendar 1 Aug. 967 == Greg. Calendar 6 Aug. 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## SEPTEMBER 967 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 58 34 | 12♍43'24 | 24♊20 | 25♍59 | 15♍20 | 26♊33 | 18°R56 | 17°R18 | 17♎48 | 14♎ 9 | 18♑50 | 22♑51 | 21♑21 | 17♈50 | 19♎45 | S 1 |
| M 2 | 23 2 31 | 13°42'09 | 7♋ 9 | 27°36 | 16°35 | 27° 7 | 18♈51 | 17♈14 | 17°51 | 14°11 | 18°52 | 22°52 | 21°18 | 17°57 | 19°53 | M 2 |
| T 3 | 23 6 27 | 14°40'56 | 20°23 | 29°12 | 17°50 | 27°41 | 18°46 | 17°11 | 17°55 | 14°13 | 18°54 | 22°R53 | 21°15 | 18° 4 | 20° 0 | T 3 |
| W 4 | 23 10 24 | 15°39'46 | 4♌ 4 | 0♎47 | 19° 5 | 28°14 | 18°40 | 17° 7 | 17°58 | 14°15 | 18°55 | 22°52 | 21°12 | 18°11 | 20° 8 | W 4 |
| T 5 | 23 14 21 | 16°38'37 | 18°14 | 2°20 | 20°19 | 28°47 | 18°35 | 17° 3 | 18° 1 | 14°17 | 18°57 | 22°50 | 21° 8 | 18°17 | 20°15 | T 5 |
| F 6 | 23 18 17 | 17°37'31 | 2♍50 | 3°53 | 21°34 | 29°20 | 18°29 | 16°59 | 18° 5 | 14°19 | 18°59 | 22°45 | 21° 5 | 18°24 | 20°23 | F 6 |
| S 7 | 23 22 14 | 18°36'27 | 17°46 | 5°25 | 22°49 | 29°53 | 18°23 | 16°55 | 18° 8 | 14°21 | 19° 1 | 22°38 | 21° 2 | 18°31 | 20°30 | S 7 |
| S 8 | 23 26 10 | 19°35'25 | 2♎54 | 6°57 | 24° 4 | 0♋26 | 18°17 | 16°52 | 18°11 | 14°23 | 19° 3 | 22°29 | 20°59 | 18°38 | 20°38 | S 8 |
| M 9 | 23 30 7 | 20°34'25 | 18° 3 | 8°27 | 25°19 | 0°58 | 18°10 | 16°48 | 18°15 | 14°25 | 19° 4 | 22°21 | 20°56 | 18°44 | 20°46 | M 9 |
| T 10 | 23 34 3 | 21°33'27 | 3♏ 4 | 9°56 | 26°34 | 1°30 | 18° 4 | 16°43 | 18°18 | 14°27 | 19° 6 | 22°12 | 20°52 | 18°51 | 20°53 | T 10 |
| W11 | 23 38 0 | 22°32'31 | 17°48 | 11°24 | 27°49 | 2° 2 | 17°57 | 16°39 | 18°22 | 14°30 | 19° 8 | 22° 6 | 20°49 | 18°58 | 21° 1 | W11 |
| T 12 | 23 41 56 | 23°31'37 | 2♐10 | 12°52 | 29° 4 | 2°34 | 17°51 | 16°35 | 18°25 | 14°32 | 19°10 | 22° 2 | 20°46 | 19° 4 | 21° 9 | T 12 |
| F 13 | 23 45 53 | 24°30'45 | 16° 6 | 14°18 | 0♎19 | 3° 5 | 17°44 | 16°31 | 18°29 | 14°34 | 19°11 | 22° 0 | 20°43 | 19°11 | 21°17 | F 13 |
| S 14 | 23 49 50 | 25°29'54 | 29°38 | 15°44 | 1°33 | 3°37 | 17°37 | 16°27 | 18°32 | 14°36 | 19°13 | 22°D 0 | 20°40 | 19°18 | 21°25 | S 14 |
| S 15 | 23 53 46 | 26°29'05 | 12♑47 | 17° 8 | 2°48 | 4° 8 | 17°30 | 16°22 | 18°36 | 14°38 | 19°15 | 22° 0 | 20°37 | 19°25 | 21°32 | S 15 |
| M16 | 23 57 43 | 27°28'18 | 25°37 | 18°32 | 4° 3 | 4°39 | 17°23 | 16°18 | 18°39 | 14°40 | 19°16 | 22°R 0 | 20°33 | 19°31 | 21°40 | M16 |
| T 17 | 0 1 39 | 28°27'33 | 8♒11 | 19°54 | 5°18 | 5°10 | 17°15 | 16°13 | 18°43 | 14°42 | 19°18 | 21°59 | 20°30 | 19°38 | 21°48 | T 17 |
| W18 | 0 5 36 | 29°26'50 | 20°33 | 21°16 | 6°33 | 5°40 | 17° 8 | 16° 9 | 18°47 | 14°45 | 19°20 | 21°55 | 20°27 | 19°45 | 21°56 | W18 |
| T 19 | 0 9 32 | 0♎26'08 | 2♓46 | 22°36 | 7°48 | 6°10 | 17° 1 | 16° 5 | 18°50 | 14°47 | 19°21 | 21°49 | 20°24 | 19°52 | 22° 4 | T 19 |
| F 20 | 0 13 29 | 1°25'29 | 14°52 | 23°55 | 9° 3 | 6°40 | 16°53 | 16° 0 | 18°54 | 14°49 | 19°23 | 21°40 | 20°21 | 19°58 | 22°12 | F 20 |
| S 21 | 0 17 25 | 2°24'51 | 26°52 | 25°13 | 10°18 | 7°10 | 16°45 | 15°55 | 18°57 | 14°51 | 19°24 | 21°28 | 20°18 | 20° 5 | 22°20 | S 21 |
| S 22 | 0 21 22 | 3°24'16 | 8♈48 | 26°30 | 11°33 | 7°40 | 16°38 | 15°51 | 19° 1 | 14°53 | 19°26 | 21°15 | 20°14 | 20°12 | 22°29 | S 22 |
| M23 | 0 25 18 | 4°23'43 | 20°41 | 27°45 | 12°48 | 8° 9 | 16°30 | 15°46 | 19° 5 | 14°56 | 19°27 | 21° 2 | 20°11 | 20°18 | 22°37 | M23 |
| T 24 | 0 29 15 | 5°23'11 | 2♉33 | 28°59 | 14° 3 | 8°38 | 16°22 | 15°41 | 19° 8 | 14°58 | 19°29 | 20°48 | 20° 8 | 20°25 | 22°45 | T 24 |
| W25 | 0 33 12 | 6°22'43 | 14°25 | 0♏11 | 15°18 | 9° 7 | 16°14 | 15°37 | 19°12 | 15° 0 | 19°30 | 20°37 | 20° 5 | 20°32 | 22°53 | W25 |
| T 26 | 0 37 8 | 7°22'16 | 26°20 | 1°22 | 16°33 | 9°35 | 16° 6 | 15°32 | 19°16 | 15° 2 | 19°32 | 20°28 | 20° 2 | 20°39 | 23° 1 | T 26 |
| F 27 | 0 41 5 | 8°21'52 | 8♊21 | 2°30 | 17°48 | 10° 4 | 15°58 | 15°27 | 19°19 | 15° 4 | 19°33 | 20°22 | 19°58 | 20°45 | 23° 9 | F 27 |
| S 28 | 0 45 1 | 9°21'30 | 20°32 | 3°37 | 19° 3 | 10°32 | 15°50 | 15°22 | 19°23 | 15° 7 | 19°35 | 20°18 | 19°55 | 20°52 | 23°17 | S 28 |
| S 29 | 0 48 58 | 10°21'10 | 2♋56 | 4°41 | 20°18 | 10°59 | 15°42 | 15°18 | 19°27 | 15° 9 | 19°36 | 20°17 | 19°52 | 20°59 | 23°26 | S 29 |
| M30 | 0 52 54 | 11♎20'53 | 15♋39 | 5♏43 | 21♎33 | 11♋27 | 15♈34 | 15♈13 | 19♎31 | 15♎11 | 19♌38 | 20♑17 | 19♑49 | 21♈ 5 | 23♎34 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n49 | 25n54 | 2n27 | 1n56 | 0n22 | 7n 5 | 1n23 | 23n42 | 0n10 | 5n59 | 1s36 | 4n16 | 2s47 | 6s31 | 0n33 | 4s 0 | 1n45 | 26n 0 | 11n20 | 21s38 | 21s52 | 11n47 | 8s39 | 0s57 |
| M 2 | 6 27 | 24 46 | 1 24 | 1 11 | 0 15 | 6 36 | 1 23 | 23 44 | 0 11 | 5 56 | 1 36 | 4 14 | 2 47 | 6 32 | 0 33 | 4 1 | 1 45 | 25 59 | 11 21 | 21 37 | 21 53 | 11 49 | 8 41 | 0 56 |
| T 3 | 6 4 | 22 14 | 0 13 | 0 26 | 0 8 | 6 6 | 1 22 | 23 46 | 0 12 | 5 54 | 1 37 | 4 13 | 2 47 | 6 33 | 0 33 | 4 2 | 1 45 | 25 59 | 11 21 | 21 37 | 21 53 | 11 52 | 8 44 | 0 56 |
| W 4 | 5 41 | 18 23 | 1s 0 | 0s18 | 0 1 | 5 36 | 1 22 | 23 47 | 0 14 | 5 52 | 1 37 | 4 11 | 2 47 | 6 34 | 0 33 | 4 2 | 1 45 | 25 59 | 11 21 | 21 37 | 21 54 | 11 55 | 8 46 | 0 56 |
| T 5 | 5 18 | 13 22 | 2 12 | 1 2 | 0s 7 | 5 6 | 1 21 | 23 49 | 0 15 | 5 50 | 1 37 | 4 10 | 2 47 | 6 36 | 0 33 | 4 3 | 1 45 | 25 58 | 11 21 | 21 38 | 21 54 | 11 57 | 8 49 | 0 55 |
| F 6 | 4 55 | 7 28 | 3 17 | 1 46 | 0 14 | 4 35 | 1 20 | 23 50 | 0 16 | 5 47 | 1 37 | 4 8 | 2 47 | 6 37 | 0 33 | 4 4 | 1 45 | 25 58 | 11 21 | 21 39 | 21 55 | 12 0 | 8 51 | 0 55 |
| S 7 | 4 32 | 1 1 | 4 10 | 2 29 | 0 21 | 4 5 | 1 19 | 23 52 | 0 17 | 5 45 | 1 37 | 4 6 | 2 48 | 6 38 | 0 33 | 4 5 | 1 45 | 25 58 | 11 22 | 21 40 | 21 55 | 12 2 | 8 54 | 0 55 |
| S 8 | 4 9 | 5s32 | 4 47 | 3 12 | 0 28 | 3 34 | 1 19 | 23 53 | 0 18 | 5 42 | 1 37 | 4 5 | 2 48 | 6 40 | 0 33 | 4 6 | 1 45 | 25 57 | 11 22 | 21 41 | 21 56 | 12 5 | 8 56 | 0 54 |
| M 9 | 3 45 | 11 47 | 5 4 | 3 55 | 0 36 | 3 4 | 1 18 | 23 54 | 0 20 | 5 40 | 1 38 | 4 3 | 2 48 | 6 41 | 0 33 | 4 6 | 1 45 | 25 57 | 11 22 | 21 43 | 21 56 | 12 8 | 8 59 | 0 54 |
| T 10 | 3 22 | 17 17 | 4 59 | 4 37 | 0 43 | 2 33 | 1 17 | 23 55 | 0 21 | 5 37 | 1 38 | 4 1 | 2 48 | 6 42 | 0 33 | 4 7 | 1 45 | 25 56 | 11 22 | 21 44 | 21 57 | 12 10 | 9 2 | 0 54 |
| W11 | 2 59 | 21 37 | 4 35 | 5 19 | 0 51 | 2 2 | 1 16 | 23 56 | 0 22 | 5 35 | 1 38 | 4 0 | 2 48 | 6 44 | 0 33 | 4 8 | 1 45 | 25 56 | 11 23 | 21 45 | 21 57 | 12 13 | 9 4 | 0 54 |
| T 12 | 2 35 | 24 31 | 3 53 | 6 0 | 0 58 | 1 31 | 1 15 | 23 57 | 0 24 | 5 32 | 1 38 | 3 58 | 2 48 | 6 45 | 0 33 | 4 9 | 1 45 | 25 56 | 11 23 | 21 46 | 21 58 | 12 16 | 9 7 | 0 53 |
| F 13 | 2 12 | 25 49 | 2 59 | 6 40 | 1 5 | 1 0 | 1 14 | 23 57 | 0 25 | 5 29 | 1 38 | 3 56 | 2 48 | 6 46 | 0 33 | 4 10 | 1 45 | 25 55 | 11 23 | 21 46 | 21 58 | 12 18 | 9 10 | 0 53 |
| S 14 | 1 48 | 25 31 | 1 56 | 7 20 | 1 13 | 0 29 | 1 12 | 23 58 | 0 26 | 5 26 | 1 38 | 3 55 | 2 49 | 6 48 | 0 33 | 4 11 | 1 45 | 25 55 | 11 23 | 21 46 | 21 59 | 12 21 | 9 12 | 0 53 |
| S 15 | 1 24 | 23 46 | 0 49 | 8 0 | 1 20 | 0s 2 | 1 11 | 23 58 | 0 28 | 5 24 | 1 38 | 3 53 | 2 49 | 6 49 | 0 33 | 4 11 | 1 45 | 25 55 | 11 24 | 21 46 | 21 59 | 12 23 | 9 15 | 0 52 |
| M16 | 1 1 | 20 49 | 0n19 | 8 38 | 1 27 | 0 33 | 1 10 | 23 58 | 0 29 | 5 21 | 1 38 | 3 51 | 2 49 | 6 50 | 0 33 | 4 12 | 1 45 | 25 55 | 11 24 | 21 46 | 21 59 | 12 26 | 9 18 | 0 52 |
| T 17 | 0 37 | 16 57 | 1 25 | 9 17 | 1 34 | 1 4 | 1 8 | 23 59 | 0 30 | 5 18 | 1 38 | 3 49 | 2 49 | 6 52 | 0 33 | 4 13 | 1 45 | 25 54 | 11 24 | 21 46 | 22 0 | 12 29 | 9 21 | 0 52 |
| W18 | 0 13 | 12 25 | 2 26 | 9 54 | 1 41 | 1 36 | 1 7 | 23 59 | 0 32 | 5 15 | 1 38 | 3 47 | 2 49 | 6 53 | 0 33 | 4 14 | 1 45 | 25 54 | 11 25 | 21 47 | 22 0 | 12 31 | 9 23 | 0 51 |
| T 19 | 0s10 | 7 28 | 3 18 | 10 30 | 1 48 | 2 7 | 1 6 | 23 59 | 0 33 | 5 12 | 1 38 | 3 46 | 2 49 | 6 55 | 0 33 | 4 15 | 1 45 | 25 54 | 11 25 | 21 48 | 22 1 | 12 34 | 9 26 | 0 51 |
| F 20 | 0 34 | 2 17 | 4 2 | 11 6 | 1 54 | 2 38 | 1 4 | 23 59 | 0 34 | 5 9 | 1 39 | 3 44 | 2 49 | 6 56 | 0 33 | 4 16 | 1 45 | 25 54 | 11 25 | 21 49 | 22 1 | 12 36 | 9 29 | 0 51 |
| S 21 | 0 58 | 2n56 | 4 34 | 11 41 | 2 1 | 3 9 | 1 2 | 23 59 | 0 36 | 5 6 | 1 39 | 3 42 | 2 49 | 6 57 | 0 33 | 4 17 | 1 45 | 25 53 | 11 25 | 21 51 | 22 2 | 12 39 | 9 32 | 0 51 |
| S 22 | 1 22 | 8 0 | 4 54 | 12 15 | 2 7 | 3 40 | 1 1 | 23 58 | 0 37 | 5 3 | 1 39 | 3 40 | 2 49 | 6 59 | 0 33 | 4 17 | 1 45 | 25 53 | 11 26 | 21 53 | 22 2 | 12 42 | 9 34 | 0 50 |
| M23 | 1 45 | 12 45 | 5 0 | 12 49 | 2 14 | 4 11 | 0 59 | 23 58 | 0 39 | 5 0 | 1 39 | 3 38 | 2 49 | 7 0 | 0 33 | 4 18 | 1 45 | 25 53 | 11 26 | 21 55 | 22 3 | 12 44 | 9 37 | 0 50 |
| T 24 | 2 9 | 17 1 | 4 54 | 13 21 | 2 20 | 4 41 | 0 57 | 23 58 | 0 40 | 4 57 | 1 39 | 3 36 | 2 49 | 7 2 | 0 33 | 4 19 | 1 45 | 25 53 | 11 26 | 21 57 | 22 3 | 12 47 | 9 40 | 0 50 |
| W25 | 2 33 | 20 38 | 4 35 | 13 52 | 2 25 | 5 12 | 0 56 | 23 57 | 0 42 | 4 54 | 1 39 | 3 34 | 2 49 | 7 3 | 0 33 | 4 20 | 1 45 | 25 52 | 11 27 | 21 59 | 22 4 | 12 49 | 9 43 | 0 50 |
| T 26 | 2 56 | 23 24 | 4 4 | 14 22 | 2 31 | 5 43 | 0 54 | 23 57 | 0 43 | 4 51 | 1 39 | 3 33 | 2 49 | 7 4 | 0 33 | 4 21 | 1 45 | 25 52 | 11 27 | 22 0 | 22 4 | 12 52 | 9 46 | 0 49 |
| F 27 | 3 20 | 25 9 | 3 22 | 14 51 | 2 36 | 6 13 | 0 52 | 23 56 | 0 45 | 4 48 | 1 39 | 3 31 | 2 50 | 7 6 | 0 33 | 4 22 | 1 45 | 25 52 | 11 27 | 22 1 | 22 5 | 12 54 | 9 48 | 0 49 |
| S 28 | 3 44 | 25 44 | 2 30 | 15 19 | 2 41 | 6 44 | 0 50 | 23 55 | 0 46 | 4 45 | 1 39 | 3 29 | 2 50 | 7 7 | 0 33 | 4 23 | 1 45 | 25 52 | 11 28 | 22 2 | 22 5 | 12 57 | 9 51 | 0 49 |
| S 29 | 4 7 | 25 3 | 1 30 | 15 45 | 2 45 | 7 14 | 0 48 | 23 54 | 0 48 | 4 42 | 1 39 | 3 27 | 2 50 | 7 9 | 0 33 | 4 24 | 1 45 | 25 52 | 11 28 | 22 2 | 22 6 | 12 59 | 9 54 | 0 48 |
| M30 | 4s31 | 23n 3 | 0n24 | 16s10 | 2s50 | 7s44 | 0n46 | 23n54 | 0n49 | 4n39 | 1s39 | 3n25 | 2s50 | 7s10 | 0n33 | 4s24 | 1n45 | 25n52 | 11n28 | 22s 2 | 22s 6 | 13n 2 | 9s57 | 0s48 |

Julian Day Number = 2074497.5, Delta T = 27m11s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'10, Lahiri = 9°28'11 Julian Calendar 1 Sept. 967 == Greg. Calendar 6 Sept. 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## OCTOBER 967 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 56 51 | 12♎20'38 | 28♋46 | 6♏42 | 22♎48 | 11♋54 | 15°R26 | 15°R 8 | 19♎34 | 15♎13 | 19♌39 | 20°R17 | 19♑46 | 21♈12 | 23♎42 | T 1 |
| W 2 | 1 0 47 | 13°20'25 | 12♌20 | 7°38 | 24° 3 | 12°21 | 15♈18 | 15♈ 3 | 19°38 | 15°16 | 19°40 | 20♑15 | 19°43 | 21°19 | 23°51 | W 2 |
| T 3 | 1 4 44 | 14°20'14 | 26°24 | 8°31 | 25°18 | 12°48 | 15°10 | 14°58 | 19°42 | 15°18 | 19°42 | 20°12 | 19°39 | 21°26 | 23°59 | T 3 |
| F 4 | 1 8 41 | 15°20'06 | 10♍56 | 9°20 | 26°33 | 13°14 | 15° 2 | 14°54 | 19°46 | 15°20 | 19°43 | 20° 5 | 19°36 | 21°32 | 24° 7 | F 4 |
| S 5 | 1 12 37 | 16°20'00 | 25°54 | 10° 6 | 27°48 | 13°40 | 14°54 | 14°49 | 19°49 | 15°22 | 19°44 | 19°56 | 19°33 | 21°39 | 24°15 | S 5 |
| S 6 | 1 16 34 | 17°19'56 | 11♎ 9 | 10°47 | 29° 3 | 14° 5 | 14°45 | 14°44 | 19°53 | 15°25 | 19°45 | 19°46 | 19°30 | 21°46 | 24°24 | S 6 |
| M 7 | 1 20 30 | 18°19'54 | 26°30 | 11°23 | 0♏18 | 14°31 | 14°37 | 14°39 | 19°57 | 15°27 | 19°47 | 19°34 | 19°27 | 21°53 | 24°32 | M 7 |
| T 8 | 1 24 27 | 19°19'54 | 11♏47 | 11°53 | 1°33 | 14°56 | 14°29 | 14°34 | 20° 1 | 15°29 | 19°48 | 19°23 | 19°24 | 21°59 | 24°40 | T 8 |
| W 9 | 1 28 23 | 20°19'56 | 26°46 | 12°18 | 2°48 | 15°20 | 14°21 | 14°30 | 20° 4 | 15°31 | 19°49 | 19°14 | 19°20 | 22° 6 | 24°49 | W 9 |
| T 10 | 1 32 20 | 21°20'00 | 11♐22 | 12°35 | 4° 3 | 15°44 | 14°13 | 14°25 | 20° 8 | 15°34 | 19°50 | 19° 8 | 19°17 | 22°13 | 24°57 | T 10 |
| F 11 | 1 36 16 | 22°20'05 | 25°29 | 12°46 | 5°18 | 16° 8 | 14° 5 | 14°20 | 20°12 | 15°36 | 19°51 | 19° 4 | 19°14 | 22°19 | 25° 6 | F 11 |
| S 12 | 1 40 13 | 23°20'12 | 9♑ 8 | 12°R49 | 6°33 | 16°32 | 13°57 | 14°15 | 20°16 | 15°38 | 19°52 | 19° 3 | 19°11 | 22°26 | 25°14 | S 12 |
| S 13 | 1 44 10 | 24°20'21 | 22°19 | 12°43 | 7°48 | 16°55 | 13°49 | 14°11 | 20°19 | 15°40 | 19°53 | 19° 3 | 19° 8 | 22°33 | 25°22 | S 13 |
| M14 | 1 48 6 | 25°20'31 | 5♒ 7 | 12°28 | 9° 3 | 17°18 | 13°41 | 14° 6 | 20°23 | 15°43 | 19°54 | 19° 2 | 19° 4 | 22°40 | 25°31 | M14 |
| T 15 | 1 52 3 | 26°20'42 | 17°36 | 12° 4 | 10°18 | 17°40 | 13°34 | 14° 1 | 20°27 | 15°45 | 19°55 | 19° 1 | 19° 1 | 22°46 | 25°39 | T 15 |
| W16 | 1 55 59 | 27°20'55 | 29°50 | 11°30 | 11°33 | 18° 2 | 13°26 | 13°57 | 20°31 | 15°47 | 19°56 | 18°57 | 18°58 | 22°53 | 25°47 | W16 |
| T 17 | 1 59 56 | 28°21'10 | 11♓55 | 10°46 | 12°48 | 18°24 | 13°18 | 13°52 | 20°34 | 15°49 | 19°57 | 18°51 | 18°55 | 23° 0 | 25°56 | T 17 |
| F 18 | 2 3 52 | 29°21'26 | 23°53 | 9°53 | 14° 3 | 18°45 | 13°11 | 13°48 | 20°38 | 15°51 | 19°58 | 18°41 | 18°52 | 23° 7 | 26° 4 | F 18 |
| S 19 | 2 7 49 | 0♏21'44 | 5♈47 | 8°51 | 15°18 | 19° 6 | 13° 3 | 13°43 | 20°42 | 15°54 | 19°59 | 18°29 | 18°49 | 23°13 | 26°12 | S 19 |
| S 20 | 2 11 45 | 1°22'04 | 17°40 | 7°42 | 16°33 | 19°26 | 12°56 | 13°39 | 20°46 | 15°56 | 20° 0 | 18°15 | 18°45 | 23°20 | 26°21 | S 20 |
| M21 | 2 15 42 | 2°22'25 | 29°33 | 6°27 | 17°48 | 19°46 | 12°49 | 13°34 | 20°49 | 15°58 | 20° 1 | 18° 1 | 18°42 | 23°27 | 26°29 | M21 |
| T 22 | 2 19 39 | 3°22'48 | 11♉27 | 5° 8 | 19° 3 | 20° 5 | 12°42 | 13°30 | 20°53 | 16° 0 | 20° 2 | 17°47 | 18°39 | 23°33 | 26°37 | T 22 |
| W23 | 2 23 35 | 4°23'13 | 23°24 | 3°48 | 20°18 | 20°25 | 12°35 | 13°25 | 20°57 | 16° 2 | 20° 2 | 17°35 | 18°36 | 23°40 | 26°46 | W23 |
| T 24 | 2 27 32 | 5°23'40 | 5♊24 | 2°29 | 21°33 | 20°43 | 12°28 | 13°21 | 21° 0 | 16° 4 | 20° 3 | 17°25 | 18°33 | 23°47 | 26°54 | T 24 |
| F 25 | 2 31 28 | 6°24'08 | 17°31 | 1°14 | 22°48 | 21° 1 | 12°21 | 13°17 | 21° 4 | 16° 7 | 20° 4 | 17°18 | 18°29 | 23°54 | 27° 2 | F 25 |
| S 26 | 2 35 25 | 7°24'39 | 29°47 | 0° 5 | 24° 3 | 21°19 | 12°14 | 13°13 | 21° 8 | 16° 9 | 20° 5 | 17°14 | 18°26 | 24° 0 | 27°10 | S 26 |
| S 27 | 2 39 21 | 8°25'11 | 12♋14 | 29♎ 4 | 25°18 | 21°36 | 12° 8 | 13° 9 | 21°11 | 16°11 | 20° 5 | 17°D13 | 18°23 | 24° 7 | 27°19 | S 27 |
| M28 | 2 43 18 | 9°25'45 | 24°57 | 28°14 | 26°33 | 21°53 | 12° 1 | 13° 5 | 21°15 | 16°13 | 20° 6 | 17°13 | 18°20 | 24°14 | 27°27 | M28 |
| T 29 | 2 47 14 | 10°26'20 | 7♌59 | 27°34 | 27°48 | 22° 9 | 11°55 | 13° 1 | 21°19 | 16°15 | 20° 7 | 17°R14 | 18°17 | 24°20 | 27°35 | T 29 |
| W30 | 2 51 11 | 11°26'58 | 21°25 | 27° 6 | 29° 3 | 22°24 | 11°49 | 12°57 | 21°22 | 16°17 | 20° 7 | 17°13 | 18°14 | 24°27 | 27°43 | W30 |
| T 31 | 2 55 8 | 12♏27'37 | 5♍16 | 26♎50 | 0♐18 | 22♋39 | 11♈43 | 12♈53 | 21♎26 | 16♎19 | 20♌ 8 | 17♑11 | 18♑10 | 24♈34 | 27♎52 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s54 | 19n48 | 0s45 | 16s33 | 2s53 | 8s14 | 0n44 | 23n53 | 0n51 | 4n36 | 1s39 | 3n23 | 2s50 | 7s12 | 0n33 | 4s25 | 1n45 | 25n51 | 11n29 | 22s 2 | 22s 7 | 13n 5 | 10s 0 | 0s48 |
| W 2 | 5 18 | 15 23 | 1 54 | 16 55 | 2 56 | 8 44 | 0 42 | 23 52 | 0 52 | 4 32 | 1 39 | 3 21 | 2 50 | 7 13 | 0 33 | 4 26 | 1 45 | 25 51 | 11 29 | 22 2 | 22 7 | 13 7 | 10 2 | 0 48 |
| T 3 | 5 41 | 10 0 | 2 58 | 17 15 | 2 59 | 9 13 | 0 40 | 23 51 | 0 54 | 4 29 | 1 39 | 3 20 | 2 50 | 7 14 | 0 33 | 4 27 | 1 45 | 25 51 | 11 29 | 22 3 | 22 7 | 13 10 | 10 5 | 0 47 |
| F 4 | 6 4 | 3 54 | 3 53 | 17 33 | 3 1 | 9 43 | 0 38 | 23 50 | 0 56 | 4 26 | 1 39 | 3 18 | 2 50 | 7 16 | 0 33 | 4 28 | 1 45 | 25 51 | 11 30 | 22 4 | 22 8 | 13 12 | 10 8 | 0 47 |
| S 5 | 6 27 | 2s33 | 4 34 | 17 49 | 3 2 | 10 12 | 0 36 | 23 49 | 0 57 | 4 23 | 1 39 | 3 16 | 2 50 | 7 17 | 0 33 | 4 29 | 1 45 | 25 51 | 11 30 | 22 5 | 22 8 | 13 15 | 10 11 | 0 47 |
| S 6 | 6 51 | 8 59 | 4 57 | 18 2 | 3 3 | 10 41 | 0 33 | 23 48 | 0 59 | 4 20 | 1 38 | 3 14 | 2 50 | 7 19 | 0 33 | 4 30 | 1 45 | 25 51 | 11 30 | 22 7 | 22 9 | 13 17 | 10 14 | 0 47 |
| M 7 | 7 14 | 14 54 | 4 58 | 18 13 | 3 3 | 11 9 | 0 31 | 23 47 | 1 1 | 4 17 | 1 38 | 3 12 | 2 50 | 7 20 | 0 33 | 4 30 | 1 45 | 25 51 | 11 31 | 22 8 | 22 9 | 13 20 | 10 17 | 0 46 |
| T 8 | 7 36 | 19 51 | 4 38 | 18 22 | 3 2 | 11 38 | 0 29 | 23 46 | 1 2 | 4 14 | 1 38 | 3 10 | 2 50 | 7 22 | 0 33 | 4 31 | 1 45 | 25 51 | 11 31 | 22 10 | 22 10 | 13 22 | 10 19 | 0 46 |
| W 9 | 7 59 | 23 25 | 3 59 | 18 28 | 3 0 | 12 6 | 0 27 | 23 45 | 1 4 | 4 11 | 1 38 | 3 8 | 2 50 | 7 23 | 0 33 | 4 32 | 1 45 | 25 51 | 11 31 | 22 11 | 22 10 | 13 25 | 10 22 | 0 46 |
| T 10 | 8 22 | 25 19 | 3 5 | 18 30 | 2 56 | 12 34 | 0 24 | 23 44 | 1 6 | 4 8 | 1 38 | 3 7 | 2 49 | 7 24 | 0 33 | 4 33 | 1 45 | 25 51 | 11 32 | 22 12 | 22 11 | 13 27 | 10 25 | 0 46 |
| F 11 | 8 45 | 25 31 | 2 1 | 18 29 | 2 52 | 13 1 | 0 22 | 23 43 | 1 8 | 4 5 | 1 38 | 3 5 | 2 49 | 7 26 | 0 33 | 4 34 | 1 45 | 25 51 | 11 32 | 22 13 | 22 11 | 13 30 | 10 28 | 0 45 |
| S 12 | 9 7 | 24 7 | 0 52 | 18 24 | 2 46 | 13 28 | 0 20 | 23 41 | 1 9 | 4 2 | 1 38 | 3 3 | 2 49 | 7 27 | 0 33 | 4 35 | 1 45 | 25 51 | 11 33 | 22 13 | 22 12 | 13 32 | 10 31 | 0 45 |
| S 13 | 9 29 | 21 26 | 0n17 | 18 16 | 2 39 | 13 55 | 0 17 | 23 40 | 1 11 | 3 59 | 1 38 | 3 1 | 2 49 | 7 29 | 0 33 | 4 36 | 1 45 | 25 51 | 11 33 | 22 13 | 22 12 | 13 35 | 10 34 | 0 45 |
| M14 | 9 51 | 17 44 | 1 24 | 18 3 | 2 30 | 14 22 | 0 15 | 23 39 | 1 13 | 3 56 | 1 38 | 3 0 | 2 49 | 7 30 | 0 33 | 4 36 | 1 45 | 25 51 | 11 33 | 22 13 | 22 12 | 13 37 | 10 37 | 0 45 |
| T 15 | 10 13 | 13 21 | 2 25 | 17 45 | 2 20 | 14 48 | 0 12 | 23 38 | 1 15 | 3 53 | 1 38 | 2 58 | 2 49 | 7 32 | 0 33 | 4 37 | 1 45 | 25 51 | 11 34 | 22 13 | 22 13 | 13 40 | 10 39 | 0 44 |
| W16 | 10 35 | 8 30 | 3 18 | 17 23 | 2 8 | 15 14 | 0 10 | 23 37 | 1 17 | 3 50 | 1 37 | 2 56 | 2 49 | 7 33 | 0 33 | 4 38 | 1 45 | 25 51 | 11 34 | 22 14 | 22 13 | 13 42 | 10 42 | 0 44 |
| T 17 | 10 57 | 3 25 | 4 1 | 16 56 | 1 54 | 15 39 | 0 7 | 23 36 | 1 18 | 3 47 | 1 37 | 2 54 | 2 49 | 7 34 | 0 33 | 4 39 | 1 45 | 25 51 | 11 34 | 22 14 | 22 14 | 13 45 | 10 45 | 0 44 |
| F 18 | 11 18 | 1n44 | 4 33 | 16 25 | 1 38 | 16 4 | 0 5 | 23 35 | 1 20 | 3 45 | 1 37 | 2 53 | 2 49 | 7 36 | 0 33 | 4 40 | 1 45 | 25 51 | 11 35 | 22 16 | 22 14 | 13 47 | 10 48 | 0 44 |
| S 19 | 11 40 | 6 47 | 4 53 | 15 48 | 1 21 | 16 29 | 0 2 | 23 34 | 1 22 | 3 42 | 1 37 | 2 51 | 2 49 | 7 37 | 0 33 | 4 41 | 1 45 | 25 51 | 11 35 | 22 17 | 22 15 | 13 50 | 10 51 | 0 43 |
| S 20 | 12 1 | 11 35 | 5 0 | 15 8 | 1 2 | 16 53 | 0s 0 | 23 33 | 1 24 | 3 39 | 1 37 | 2 49 | 2 49 | 7 39 | 0 33 | 4 41 | 1 45 | 25 51 | 11 36 | 22 19 | 22 15 | 13 52 | 10 53 | 0 43 |
| M21 | 12 22 | 15 57 | 4 54 | 14 25 | 0 43 | 17 16 | 0 3 | 23 32 | 1 26 | 3 36 | 1 37 | 2 48 | 2 49 | 7 40 | 0 33 | 4 42 | 1 45 | 25 51 | 11 36 | 22 21 | 22 16 | 13 55 | 10 56 | 0 43 |
| T 22 | 12 43 | 19 42 | 4 35 | 13 39 | 0 22 | 17 40 | 0 5 | 23 31 | 1 28 | 3 34 | 1 36 | 2 46 | 2 48 | 7 41 | 0 33 | 4 43 | 1 45 | 25 51 | 11 36 | 22 23 | 22 16 | 13 57 | 10 59 | 0 43 |
| W23 | 13 3 | 22 40 | 4 4 | 12 53 | 0 1 | 18 3 | 0 8 | 23 30 | 1 30 | 3 31 | 1 36 | 2 45 | 2 48 | 7 43 | 0 33 | 4 44 | 1 45 | 25 51 | 11 37 | 22 25 | 22 16 | 14 0 | 11 2 | 0 42 |
| T 24 | 13 24 | 24 38 | 3 22 | 12 6 | 0n19 | 18 25 | 0 10 | 23 29 | 1 32 | 3 29 | 1 36 | 2 43 | 2 48 | 7 44 | 0 33 | 4 45 | 1 45 | 25 52 | 11 37 | 22 26 | 22 17 | 14 2 | 11 5 | 0 42 |
| F 25 | 13 44 | 25 29 | 2 31 | 11 22 | 0 39 | 18 47 | 0 13 | 23 28 | 1 34 | 3 26 | 1 36 | 2 42 | 2 48 | 7 46 | 0 33 | 4 45 | 1 45 | 25 52 | 11 38 | 22 27 | 22 17 | 14 4 | 11 7 | 0 42 |
| S 26 | 14 4 | 25 6 | 1 31 | 10 40 | 0 58 | 19 8 | 0 15 | 23 28 | 1 36 | 3 24 | 1 36 | 2 40 | 2 48 | 7 47 | 0 33 | 4 46 | 1 45 | 25 52 | 11 38 | 22 27 | 22 18 | 14 7 | 11 10 | 0 42 |
| S 27 | 14 23 | 23 27 | 0 26 | 10 2 | 1 15 | 19 29 | 0 18 | 23 27 | 1 38 | 3 21 | 1 35 | 2 39 | 2 48 | 7 48 | 0 33 | 4 47 | 1 45 | 25 52 | 11 38 | 22 27 | 22 18 | 14 9 | 11 13 | 0 41 |
| M28 | 14 43 | 20 35 | 0s41 | 9 29 | 1 31 | 19 49 | 0 20 | 23 26 | 1 41 | 3 19 | 1 35 | 2 37 | 2 48 | 7 50 | 0 33 | 4 48 | 1 45 | 25 52 | 11 39 | 22 27 | 22 19 | 14 12 | 11 16 | 0 41 |
| T 29 | 15 2 | 16 38 | 1 48 | 9 2 | 1 45 | 20 9 | 0 23 | 23 26 | 1 43 | 3 17 | 1 35 | 2 36 | 2 47 | 7 51 | 0 33 | 4 49 | 1 45 | 25 52 | 11 39 | 22 27 | 22 19 | 14 14 | 11 19 | 0 41 |
| W30 | 15 21 | 11 44 | 2 51 | 8 41 | 1 56 | 20 28 | 0 25 | 23 25 | 1 45 | 3 15 | 1 35 | 2 34 | 2 47 | 7 52 | 0 33 | 4 49 | 1 45 | 25 53 | 11 40 | 22 27 | 22 20 | 14 17 | 11 21 | 0 41 |
| T 31 | 15s40 | 6n 7 | 3s47 | 8s26 | 2n 6 | 20s47 | 0s28 | 23n25 | 1n47 | 3n13 | 1s35 | 2n33 | 2s47 | 7s54 | 0n33 | 4s50 | 1n45 | 25n53 | 11n40 | 22s28 | 22s20 | 14n19 | 11s24 | 0s40 |

Julian Day Number = 2074527.5, Delta T = 27m11s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'14, Lahiri = 9°28'15 Julian Calendar 1 Oct. 967 == Greg. Calendar 6 Oct. 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## NOVEMBER 967 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 2 59 4 | 13♏28'18 | 19♍35 | 26°D45 | 1♐33 | 22♋54 | 11°R37 | 12°R49 | 21♎29 | 16♎21 | 20♌ 8 | 17°R 6 | 18♑ 7 | 24♈41 | 28♎ 0 | F 1 |
| S 2 | 3 3 1 | 14°29'01 | 4♎18 | 26♎51 | 2°48 | 23° 8 | 11♈32 | 12♈45 | 21°33 | 16°23 | 20° 9 | 16♑59 | 18° 4 | 24°47 | 28° 8 | S 2 |
| S 3 | 3 6 57 | 15°29'45 | 19°21 | 27° 7 | 4° 3 | 23°21 | 11°26 | 12°42 | 21°36 | 16°25 | 20° 9 | 16°50 | 18° 1 | 24°54 | 28°16 | S 3 |
| M 4 | 3 10 54 | 16°30'31 | 4♏35 | 27°33 | 5°18 | 23°34 | 11°21 | 12°38 | 21°40 | 16°27 | 20°10 | 16°41 | 17°58 | 25° 1 | 28°24 | M 4 |
| T 5 | 3 14 50 | 17°31'19 | 19°49 | 28° 7 | 6°33 | 23°46 | 11°16 | 12°34 | 21°43 | 16°29 | 20°10 | 16°31 | 17°55 | 25° 8 | 28°32 | T 5 |
| W 6 | 3 18 47 | 18°32'08 | 4♐53 | 28°49 | 7°48 | 23°58 | 11°11 | 12°31 | 21°47 | 16°31 | 20°10 | 16°24 | 17°51 | 25°14 | 28°40 | W 6 |
| T 7 | 3 22 43 | 19°32'58 | 19°36 | 29°38 | 9° 2 | 24° 8 | 11° 6 | 12°28 | 21°50 | 16°33 | 20°11 | 16°18 | 17°48 | 25°21 | 28°48 | T 7 |
| F 8 | 3 26 40 | 20°33'49 | 3♑52 | 0♏32 | 10°17 | 24°19 | 11° 1 | 12°24 | 21°54 | 16°35 | 20°11 | 16°16 | 17°45 | 25°28 | 28°56 | F 8 |
| S 9 | 3 30 37 | 21°34'41 | 17°40 | 1°32 | 11°32 | 24°28 | 10°57 | 12°21 | 21°57 | 16°37 | 20°11 | 16°D15 | 17°42 | 25°34 | 29° 4 | S 9 |
| S 10 | 3 34 33 | 22°35'34 | 1♒ 0 | 2°36 | 12°47 | 24°37 | 10°52 | 12°18 | 22° 1 | 16°39 | 20°12 | 16°16 | 17°39 | 25°41 | 29°12 | S 10 |
| M11 | 3 38 30 | 23°36'28 | 13°53 | 3°44 | 14° 2 | 24°46 | 10°48 | 12°15 | 22° 4 | 16°41 | 20°12 | 16°17 | 17°35 | 25°48 | 29°20 | M11 |
| T 12 | 3 42 26 | 24°37'23 | 26°25 | 4°56 | 15°17 | 24°53 | 10°45 | 12°12 | 22° 7 | 16°43 | 20°12 | 16°R17 | 17°32 | 25°55 | 29°28 | T 12 |
| W13 | 3 46 23 | 25°38'19 | 8♓40 | 6°10 | 16°32 | 25° 0 | 10°41 | 12° 9 | 22°11 | 16°45 | 20°12 | 16°16 | 17°29 | 26° 1 | 29°36 | W13 |
| T 14 | 3 50 19 | 26°39'15 | 20°43 | 7°27 | 17°47 | 25° 6 | 10°37 | 12° 7 | 22°14 | 16°46 | 20°12 | 16°13 | 17°26 | 26° 8 | 29°43 | T 14 |
| F 15 | 3 54 16 | 27°40'12 | 2♈38 | 8°46 | 19° 2 | 25°12 | 10°34 | 12° 4 | 22°17 | 16°48 | 20°12 | 16° 7 | 17°23 | 26°15 | 29°51 | F 15 |
| S 16 | 3 58 12 | 28°41'10 | 14°30 | 10° 7 | 20°17 | 25°17 | 10°31 | 12° 2 | 22°20 | 16°50 | 20°12 | 16° 0 | 17°20 | 26°21 | 29°59 | S 16 |
| S 17 | 4 2 9 | 29°42'09 | 26°22 | 11°29 | 21°31 | 25°21 | 10°28 | 11°59 | 22°24 | 16°52 | 20°R12 | 15°51 | 17°16 | 26°28 | 0♏ 7 | S 17 |
| M18 | 4 6 6 | 0♐43'09 | 8♉16 | 12°53 | 22°46 | 25°24 | 10°25 | 11°57 | 22°27 | 16°54 | 20°12 | 15°42 | 17°13 | 26°35 | 0°14 | M18 |
| T 19 | 4 10 2 | 1°44'09 | 20°15 | 14°18 | 24° 1 | 25°27 | 10°23 | 11°54 | 22°30 | 16°55 | 20°12 | 15°33 | 17°10 | 26°42 | 0°22 | T 19 |
| W20 | 4 13 59 | 2°45'10 | 2♊19 | 15°44 | 25°16 | 25°29 | 10°20 | 11°52 | 22°33 | 16°57 | 20°12 | 15°25 | 17° 7 | 26°48 | 0°29 | W20 |
| T 21 | 4 17 55 | 3°46'13 | 14°31 | 17°11 | 26°31 | 25°30 | 10°18 | 11°50 | 22°36 | 16°59 | 20°12 | 15°19 | 17° 4 | 26°55 | 0°37 | T 21 |
| F 22 | 4 21 52 | 4°47'16 | 26°50 | 18°39 | 27°45 | 25°R30 | 10°16 | 11°48 | 22°39 | 17° 0 | 20°12 | 15°16 | 17° 1 | 27° 2 | 0°44 | F 22 |
| S 23 | 4 25 48 | 5°48'20 | 9♋19 | 20° 7 | 29° 0 | 25°30 | 10°15 | 11°47 | 22°42 | 17° 2 | 20°12 | 15°D14 | 16°57 | 27° 9 | 0°52 | S 23 |
| S 24 | 4 29 45 | 6°49'24 | 22° 0 | 21°36 | 0♑15 | 25°28 | 10°13 | 11°45 | 22°45 | 17° 4 | 20°12 | 15°14 | 16°54 | 27°15 | 0°59 | S 24 |
| M25 | 4 33 41 | 7°50'30 | 4♌53 | 23° 5 | 1°30 | 25°26 | 10°12 | 11°43 | 22°48 | 17° 5 | 20°11 | 15°15 | 16°51 | 27°22 | 1° 6 | M25 |
| T 26 | 4 37 38 | 8°51'37 | 18° 1 | 24°35 | 2°44 | 25°23 | 10°11 | 11°42 | 22°51 | 17° 7 | 20°11 | 15°17 | 16°48 | 27°29 | 1°14 | T 26 |
| W27 | 4 41 35 | 9°52'44 | 1♍27 | 26° 5 | 3°59 | 25°20 | 10°10 | 11°40 | 22°54 | 17° 8 | 20°11 | 15°18 | 16°45 | 27°35 | 1°21 | W27 |
| T 28 | 4 45 31 | 10°53'52 | 15°12 | 27°36 | 5°14 | 25°15 | 10° 9 | 11°39 | 22°57 | 17°10 | 20°11 | 15°R18 | 16°41 | 27°42 | 1°28 | T 28 |
| F 29 | 4 49 28 | 11°55'01 | 29°17 | 29° 7 | 6°29 | 25°10 | 10° 9 | 11°38 | 22°59 | 17°11 | 20°10 | 15°17 | 16°38 | 27°49 | 1°35 | F 29 |
| S 30 | 4 53 24 | 12♐56'11 | 13♎41 | 0♐38 | 7♑43 | 25♋ 3 | 10♈ 9 | 11♈37 | 23♎ 2 | 17♎13 | 20♌10 | 15♑14 | 16♑35 | 27♈56 | 1♏42 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s58 | 0n 1 | 4s30 | 8s17 | 2n14 | 21s 5 | 0s30 | 23n25 | 1n49 | 3n11 | 1s34 | 2n32 | 2s47 | 7s55 | 0n33 | 4s51 | 1n45 | 25n53 | 11n41 | 22s28 | 22s20 | 14n21 | 11s27 | 0s40 |
| S 2 | 16 16 | 6s15 | 4 56 | 8 14 | 2 20 | 21 22 | 0 33 | 23 25 | 1 52 | 3 9 | 1 34 | 2 30 | 2 47 | 7 56 | 0 33 | 4 52 | 1 45 | 25 53 | 11 41 | 22 29 | 22 21 | 14 24 | 11 29 | 0 40 |
| S 3 | 16 34 | 12 17 | 5 3 | 8 16 | 2 24 | 21 39 | 0 35 | 23 25 | 1 54 | 3 7 | 1 34 | 2 29 | 2 47 | 7 58 | 0 33 | 4 52 | 1 45 | 25 53 | 11 41 | 22 30 | 22 21 | 14 26 | 11 32 | 0 40 |
| M 4 | 16 52 | 17 39 | 4 49 | 8 22 | 2 27 | 21 55 | 0 38 | 23 25 | 1 56 | 3 5 | 1 34 | 2 28 | 2 46 | 7 59 | 0 33 | 4 53 | 1 45 | 25 54 | 11 42 | 22 32 | 22 22 | 14 29 | 11 35 | 0 40 |
| T 5 | 17 9 | 21 52 | 4 14 | 8 33 | 2 29 | 22 11 | 0 40 | 23 25 | 1 59 | 3 3 | 1 33 | 2 27 | 2 46 | 8 0 | 0 33 | 4 54 | 1 45 | 25 54 | 11 42 | 22 33 | 22 22 | 14 31 | 11 38 | 0 39 |
| W 6 | 17 26 | 24 33 | 3 22 | 8 48 | 2 29 | 22 26 | 0 42 | 23 25 | 2 1 | 3 1 | 1 33 | 2 26 | 2 46 | 8 2 | 0 33 | 4 55 | 1 45 | 25 54 | 11 43 | 22 34 | 22 22 | 14 33 | 11 40 | 0 39 |
| T 7 | 17 43 | 25 27 | 2 18 | 9 6 | 2 28 | 22 40 | 0 45 | 23 26 | 2 3 | 3 0 | 1 33 | 2 24 | 2 46 | 8 3 | 0 33 | 4 55 | 1 45 | 25 54 | 11 43 | 22 34 | 22 23 | 14 36 | 11 43 | 0 39 |
| F 8 | 17 59 | 24 37 | 1 6 | 9 27 | 2 26 | 22 54 | 0 47 | 23 26 | 2 6 | 2 58 | 1 32 | 2 23 | 2 46 | 8 4 | 0 33 | 4 56 | 1 45 | 25 55 | 11 44 | 22 35 | 22 23 | 14 38 | 11 45 | 0 39 |
| S 9 | 18 16 | 22 16 | 0n 8 | 9 50 | 2 23 | 23 7 | 0 49 | 23 27 | 2 8 | 2 57 | 1 32 | 2 22 | 2 45 | 8 5 | 0 33 | 4 57 | 1 45 | 25 55 | 11 44 | 22 35 | 22 24 | 14 41 | 11 48 | 0 38 |
| S 10 | 18 31 | 18 46 | 1 18 | 10 16 | 2 19 | 23 19 | 0 52 | 23 28 | 2 11 | 2 55 | 1 32 | 2 21 | 2 45 | 8 7 | 0 33 | 4 58 | 1 45 | 25 55 | 11 44 | 22 35 | 22 24 | 14 43 | 11 51 | 0 38 |
| M11 | 18 47 | 14 28 | 2 23 | 10 43 | 2 15 | 23 30 | 0 54 | 23 29 | 2 13 | 2 54 | 1 32 | 2 20 | 2 45 | 8 8 | 0 33 | 4 58 | 1 45 | 25 56 | 11 45 | 22 35 | 22 25 | 14 45 | 11 53 | 0 38 |
| T 12 | 19 2 | 9 40 | 3 19 | 11 11 | 2 10 | 23 41 | 0 56 | 23 30 | 2 16 | 2 53 | 1 31 | 2 19 | 2 45 | 8 9 | 0 33 | 4 59 | 1 45 | 25 56 | 11 45 | 22 34 | 22 25 | 14 48 | 11 56 | 0 38 |
| W13 | 19 17 | 4 36 | 4 4 | 11 41 | 2 5 | 23 51 | 0 58 | 23 31 | 2 18 | 2 51 | 1 31 | 2 19 | 2 45 | 8 10 | 0 33 | 5 0 | 1 46 | 25 56 | 11 46 | 22 35 | 22 25 | 14 50 | 11 59 | 0 37 |
| T 14 | 19 31 | 0n33 | 4 38 | 12 11 | 2 0 | 24 1 | 1 1 | 23 32 | 2 21 | 2 50 | 1 31 | 2 18 | 2 44 | 8 12 | 0 33 | 5 0 | 1 46 | 25 57 | 11 46 | 22 35 | 22 26 | 14 53 | 12 1 | 0 37 |
| F 15 | 19 45 | 5 37 | 4 59 | 12 43 | 1 54 | 24 10 | 1 3 | 23 34 | 2 23 | 2 49 | 1 30 | 2 17 | 2 44 | 8 13 | 0 33 | 5 1 | 1 46 | 25 57 | 11 46 | 22 36 | 22 26 | 14 55 | 12 4 | 0 37 |
| S 16 | 19 59 | 10 27 | 5 7 | 13 14 | 1 47 | 24 18 | 1 5 | 23 35 | 2 26 | 2 48 | 1 30 | 2 16 | 2 44 | 8 14 | 0 33 | 5 2 | 1 46 | 25 58 | 11 47 | 22 37 | 22 27 | 14 57 | 12 6 | 0 37 |
| S 17 | 20 12 | 14 55 | 5 2 | 13 46 | 1 41 | 24 25 | 1 7 | 23 37 | 2 28 | 2 47 | 1 30 | 2 15 | 2 44 | 8 15 | 0 33 | 5 2 | 1 46 | 25 58 | 11 47 | 22 38 | 22 27 | 15 0 | 12 9 | 0 37 |
| M18 | 20 25 | 18 49 | 4 44 | 14 18 | 1 34 | 24 31 | 1 9 | 23 39 | 2 31 | 2 47 | 1 30 | 2 15 | 2 43 | 8 16 | 0 33 | 5 3 | 1 46 | 25 58 | 11 48 | 22 39 | 22 27 | 15 2 | 12 11 | 0 36 |
| T 19 | 20 37 | 21 58 | 4 13 | 14 50 | 1 27 | 24 37 | 1 11 | 23 41 | 2 34 | 2 46 | 1 29 | 2 14 | 2 43 | 8 18 | 0 33 | 5 3 | 1 46 | 25 59 | 11 48 | 22 40 | 22 28 | 15 4 | 12 14 | 0 36 |
| W20 | 20 50 | 24 11 | 3 31 | 15 22 | 1 20 | 24 42 | 1 13 | 23 43 | 2 36 | 2 45 | 1 29 | 2 13 | 2 43 | 8 19 | 0 33 | 5 4 | 1 46 | 25 59 | 11 49 | 22 41 | 22 28 | 15 7 | 12 16 | 0 36 |
| T 21 | 21 1 | 25 18 | 2 39 | 15 54 | 1 13 | 24 46 | 1 15 | 23 46 | 2 39 | 2 45 | 1 29 | 2 13 | 2 43 | 8 20 | 0 33 | 5 5 | 1 46 | 26 0 | 11 49 | 22 41 | 22 29 | 15 9 | 12 18 | 0 36 |
| F 22 | 21 13 | 25 10 | 1 38 | 16 25 | 1 6 | 24 50 | 1 17 | 23 48 | 2 42 | 2 44 | 1 28 | 2 12 | 2 42 | 8 21 | 0 33 | 5 5 | 1 46 | 26 0 | 11 49 | 22 42 | 22 29 | 15 11 | 12 21 | 0 35 |
| S 23 | 21 24 | 23 47 | 0 32 | 16 56 | 0 58 | 24 53 | 1 18 | 23 51 | 2 44 | 2 44 | 1 28 | 2 12 | 2 42 | 8 22 | 0 33 | 5 6 | 1 46 | 26 0 | 11 50 | 22 42 | 22 29 | 15 14 | 12 23 | 0 35 |
| S 24 | 21 34 | 21 10 | 0s37 | 17 27 | 0 51 | 24 55 | 1 20 | 23 54 | 2 47 | 2 44 | 1 28 | 2 11 | 2 42 | 8 23 | 0 33 | 5 6 | 1 46 | 26 1 | 11 50 | 22 42 | 22 30 | 15 16 | 12 26 | 0 35 |
| M25 | 21 44 | 17 27 | 1 45 | 17 57 | 0 44 | 24 56 | 1 22 | 23 57 | 2 50 | 2 43 | 1 27 | 2 11 | 2 42 | 8 24 | 0 33 | 5 7 | 1 46 | 26 1 | 11 51 | 22 42 | 22 30 | 15 18 | 12 28 | 0 35 |
| T 26 | 21 54 | 12 50 | 2 49 | 18 26 | 0 36 | 24 56 | 1 24 | 24 0 | 2 52 | 2 43 | 1 27 | 2 11 | 2 41 | 8 25 | 0 33 | 5 8 | 1 46 | 26 2 | 11 51 | 22 42 | 22 31 | 15 21 | 12 30 | 0 35 |
| W27 | 22 3 | 7 30 | 3 45 | 18 55 | 0 29 | 24 56 | 1 25 | 24 4 | 2 55 | 2 43 | 1 27 | 2 10 | 2 41 | 8 26 | 0 33 | 5 8 | 1 46 | 26 2 | 11 52 | 22 41 | 22 31 | 15 23 | 12 33 | 0 34 |
| T 28 | 22 12 | 1 43 | 4 30 | 19 23 | 0 22 | 24 55 | 1 27 | 24 7 | 2 58 | 2 43 | 1 26 | 2 10 | 2 41 | 8 27 | 0 33 | 5 9 | 1 46 | 26 3 | 11 52 | 22 41 | 22 31 | 15 25 | 12 35 | 0 34 |
| F 29 | 22 21 | 4s18 | 5 0 | 19 50 | 0 15 | 24 53 | 1 28 | 24 11 | 3 1 | 2 43 | 1 26 | 2 10 | 2 40 | 8 28 | 0 33 | 5 9 | 1 46 | 26 3 | 11 52 | 22 42 | 22 32 | 15 28 | 12 37 | 0 34 |
| S 30 | 22s29 | 10s13 | 5s12 | 20s16 | 0n 7 | 24s50 | 1s30 | 24n15 | 3n 3 | 2n44 | 1s26 | 2n10 | 2s40 | 8s29 | 0n33 | 5s10 | 1n46 | 26n 4 | 11n53 | 22s42 | 22s32 | 15n30 | 12s39 | 0s34 |

Julian Day Number = 2074558.5, Delta T = 27m10s
Ecliptic obliquity = 23°34'26, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'19, Lahiri = 9°28'19 Julian Calendar 1 Nov. 967 == Greg. Calendar 6 Nov. 967


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# ASTRODIENST EPHEMERIS for the year 967
# geocentric

## DECEMBER 967 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 57 21 | 13♐57'22 | 28♎21 | 2♐ 9 | 8♑58 | 24°R56 | 10°D 9 | 11°R36 | 23♎ 5 | 17♎14 | 20°R 9 | 15°R10 | 16♑32 | 28♈ 2 | 1♏49 | S 1 |
| M 2 | 5 1 17 | 14°58'33 | 13♏11 | 3°41 | 10°13 | 24♋48 | 10♈ 9 | 11♈35 | 23° 8 | 17°16 | 20♌ 9 | 15♑ 6 | 16°29 | 28° 9 | 1°56 | M 2 |
| T 3 | 5 5 14 | 15°59'46 | 28° 4 | 5°13 | 11°27 | 24°40 | 10° 9 | 11°34 | 23°10 | 17°17 | 20° 9 | 15° 1 | 16°26 | 28°16 | 2° 3 | T 3 |
| W 4 | 5 9 10 | 17° 0'58 | 12♐51 | 6°45 | 12°42 | 24°30 | 10°10 | 11°33 | 23°13 | 17°18 | 20° 8 | 14°57 | 16°22 | 28°22 | 2°10 | W 4 |
| T 5 | 5 13 7 | 18° 2'11 | 27°25 | 8°17 | 13°57 | 24°19 | 10°11 | 11°33 | 23°15 | 17°20 | 20° 8 | 14°55 | 16°19 | 28°29 | 2°16 | T 5 |
| F 6 | 5 17 4 | 19° 3'24 | 11♑40 | 9°50 | 15°11 | 24° 8 | 10°12 | 11°32 | 23°18 | 17°21 | 20° 7 | 14°D54 | 16°16 | 28°36 | 2°23 | F 6 |
| S 7 | 5 21 0 | 20° 4'37 | 25°30 | 11°23 | 16°26 | 23°56 | 10°13 | 11°32 | 23°21 | 17°22 | 20° 6 | 14°54 | 16°13 | 28°43 | 2°30 | S 7 |
| S 8 | 5 24 57 | 21° 5'51 | 8♒55 | 12°56 | 17°40 | 23°43 | 10°15 | 11°32 | 23°23 | 17°23 | 20° 6 | 14°56 | 16°10 | 28°49 | 2°36 | S 8 |
| M 9 | 5 28 53 | 22° 7'04 | 21°55 | 14°30 | 18°55 | 23°30 | 10°16 | 11°D32 | 23°25 | 17°25 | 20° 5 | 14°57 | 16° 7 | 28°56 | 2°43 | M 9 |
| T 10 | 5 32 50 | 23° 8'17 | 4♓33 | 16° 4 | 20°10 | 23°15 | 10°18 | 11°32 | 23°28 | 17°26 | 20° 4 | 14°59 | 16° 3 | 29° 3 | 2°49 | T 10 |
| W11 | 5 36 46 | 24° 9'29 | 16°53 | 17°38 | 21°24 | 23° 0 | 10°20 | 11°32 | 23°30 | 17°27 | 20° 4 | 15° 0 | 16° 0 | 29°10 | 2°55 | W11 |
| T 12 | 5 40 43 | 25°10'42 | 28°58 | 19°12 | 22°38 | 22°44 | 10°22 | 11°32 | 23°32 | 17°28 | 20° 3 | 15°R 0 | 15°57 | 29°16 | 3° 2 | T 12 |
| F 13 | 5 44 40 | 26°11'54 | 10♈55 | 20°47 | 23°53 | 22°27 | 10°25 | 11°32 | 23°34 | 17°29 | 20° 2 | 14°59 | 15°54 | 29°23 | 3° 8 | F 13 |
| S 14 | 5 48 36 | 27°13'06 | 22°47 | 22°22 | 25° 7 | 22°10 | 10°27 | 11°33 | 23°37 | 17°30 | 20° 2 | 14°57 | 15°51 | 29°30 | 3°14 | S 14 |
| S 15 | 5 52 33 | 28°14'18 | 4♉39 | 23°57 | 26°22 | 21°52 | 10°30 | 11°34 | 23°39 | 17°31 | 20° 1 | 14°55 | 15°47 | 29°36 | 3°20 | S 15 |
| M16 | 5 56 29 | 29°15'29 | 16°35 | 25°33 | 27°36 | 21°33 | 10°33 | 11°34 | 23°41 | 17°32 | 20° 0 | 14°53 | 15°44 | 29°43 | 3°26 | M16 |
| T 17 | 6 0 26 | 0♑16'40 | 28°38 | 27° 9 | 28°50 | 21°14 | 10°37 | 11°35 | 23°43 | 17°33 | 19°59 | 14°50 | 15°41 | 29°50 | 3°32 | T 17 |
| W18 | 6 4 22 | 1°17'51 | 10♊50 | 28°45 | 0♒ 5 | 20°54 | 10°40 | 11°36 | 23°45 | 17°34 | 19°58 | 14°48 | 15°38 | 29°57 | 3°38 | W18 |
| T 19 | 6 8 19 | 2°19'01 | 23°14 | 0♑22 | 1°19 | 20°34 | 10°44 | 11°37 | 23°47 | 17°35 | 19°57 | 14°46 | 15°35 | 0♉ 3 | 3°43 | T 19 |
| F 20 | 6 12 15 | 3°20'11 | 5♋50 | 1°59 | 2°33 | 20°13 | 10°48 | 11°38 | 23°49 | 17°36 | 19°56 | 14°46 | 15°32 | 0°10 | 3°49 | F 20 |
| S 21 | 6 16 12 | 4°21'21 | 18°39 | 3°37 | 3°48 | 19°51 | 10°52 | 11°39 | 23°51 | 17°37 | 19°55 | 14°D46 | 15°28 | 0°17 | 3°55 | S 21 |
| S 22 | 6 20 9 | 5°22'31 | 1♌41 | 5°15 | 5° 2 | 19°30 | 10°56 | 11°41 | 23°52 | 17°38 | 19°54 | 14°46 | 15°25 | 0°23 | 4° 0 | S 22 |
| M23 | 6 24 5 | 6°23'40 | 14°56 | 6°54 | 6°16 | 19° 7 | 11° 0 | 11°42 | 23°54 | 17°38 | 19°53 | 14°47 | 15°22 | 0°30 | 4° 6 | M23 |
| T 24 | 6 28 2 | 7°24'49 | 28°24 | 8°33 | 7°30 | 18°45 | 11° 5 | 11°44 | 23°56 | 17°39 | 19°52 | 14°47 | 15°19 | 0°37 | 4°11 | T 24 |
| W25 | 6 31 58 | 8°25'58 | 12♍ 4 | 10°13 | 8°44 | 18°22 | 11°10 | 11°45 | 23°57 | 17°40 | 19°51 | 14°48 | 15°16 | 0°44 | 4°16 | W25 |
| T 26 | 6 35 55 | 9°27'06 | 25°55 | 11°53 | 9°58 | 17°58 | 11°15 | 11°47 | 23°59 | 17°40 | 19°50 | 14°49 | 15°13 | 0°50 | 4°21 | T 26 |
| F 27 | 6 39 51 | 10°28'14 | 9♎57 | 13°34 | 11°12 | 17°35 | 11°20 | 11°49 | 24° 1 | 17°41 | 19°49 | 14°R49 | 15° 9 | 0°57 | 4°26 | F 27 |
| S 28 | 6 43 48 | 11°29'22 | 24° 9 | 15°15 | 12°26 | 17°11 | 11°25 | 11°51 | 24° 2 | 17°42 | 19°48 | 14°49 | 15° 6 | 1° 4 | 4°31 | S 28 |
| S 29 | 6 47 44 | 12°30'30 | 8♏27 | 16°56 | 13°40 | 16°47 | 11°31 | 11°53 | 24° 3 | 17°42 | 19°47 | 14°48 | 15° 3 | 1°11 | 4°36 | S 29 |
| M30 | 6 51 41 | 13°31'37 | 22°50 | 18°38 | 14°54 | 16°23 | 11°36 | 11°56 | 24° 5 | 17°43 | 19°46 | 14°48 | 15° 0 | 1°17 | 4°41 | M30 |
| T 31 | 6 55 38 | 14♑32'44 | 7♐13 | 20♑21 | 16♒ 8 | 15♋59 | 11♈42 | 11♈58 | 24♎ 6 | 17♎43 | 19♌45 | 14°D48 | 14♑57 | 1♉24 | 4♏46 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s36 | 15s40 | 5s 4 | 20s42 | 0n 0 | 24s47 | 1s31 | 24n19 | 3n 6 | 2n44 | 1s25 | 2n10 | 2s40 | 8s30 | 0n33 | 5s10 | 1n46 | 26n 4 | 11n53 | 22s42 | 22s33 | 15n32 | 12s42 | 0s33 |
| M 2 | 22 43 | 20 15 | 4 36 | 21 7 | 0s 7 | 24 43 | 1 32 | 24 23 | 3 9 | 2 44 | 1 25 | 2 9 | 2 40 | 8 31 | 0 33 | 5 11 | 1 46 | 26 5 | 11 54 | 22 43 | 22 33 | 15 34 | 12 44 | 0 33 |
| T 3 | 22 50 | 23 33 | 3 49 | 21 31 | 0 13 | 24 38 | 1 34 | 24 27 | 3 12 | 2 45 | 1 25 | 2 9 | 2 39 | 8 32 | 0 33 | 5 11 | 1 46 | 26 5 | 11 54 | 22 43 | 22 33 | 15 37 | 12 46 | 0 33 |
| W 4 | 22 56 | 25 13 | 2 47 | 21 53 | 0 20 | 24 32 | 1 35 | 24 32 | 3 14 | 2 45 | 1 24 | 2 9 | 2 39 | 8 33 | 0 33 | 5 12 | 1 47 | 26 6 | 11 54 | 22 44 | 22 34 | 15 39 | 12 48 | 0 33 |
| T 5 | 23 2 | 25 7 | 1 34 | 22 15 | 0 27 | 24 26 | 1 36 | 24 36 | 3 17 | 2 46 | 1 24 | 2 9 | 2 39 | 8 34 | 0 33 | 5 12 | 1 47 | 26 6 | 11 55 | 22 44 | 22 34 | 15 41 | 12 50 | 0 33 |
| F 6 | 23 7 | 23 21 | 0 18 | 22 36 | 0 33 | 24 19 | 1 37 | 24 41 | 3 20 | 2 47 | 1 24 | 2 10 | 2 38 | 8 35 | 0 33 | 5 12 | 1 47 | 26 7 | 11 55 | 22 44 | 22 35 | 15 43 | 12 52 | 0 32 |
| S 7 | 23 12 | 20 13 | 0n58 | 22 56 | 0 40 | 24 11 | 1 38 | 24 46 | 3 22 | 2 47 | 1 23 | 2 10 | 2 38 | 8 36 | 0 33 | 5 13 | 1 47 | 26 8 | 11 56 | 22 44 | 22 35 | 15 46 | 12 55 | 0 32 |
| S 8 | 23 16 | 16 4 | 2 8 | 23 14 | 0 46 | 24 2 | 1 39 | 24 50 | 3 25 | 2 48 | 1 23 | 2 10 | 2 38 | 8 37 | 0 33 | 5 13 | 1 47 | 26 8 | 11 56 | 22 44 | 22 35 | 15 48 | 12 57 | 0 32 |
| M 9 | 23 20 | 11 17 | 3 10 | 23 32 | 0 52 | 23 53 | 1 40 | 24 55 | 3 27 | 2 49 | 1 23 | 2 10 | 2 38 | 8 38 | 0 33 | 5 14 | 1 47 | 26 9 | 11 56 | 22 44 | 22 36 | 15 50 | 12 59 | 0 32 |
| T 10 | 23 24 | 6 10 | 4 0 | 23 48 | 0 58 | 23 42 | 1 41 | 25 0 | 3 30 | 2 50 | 1 22 | 2 10 | 2 37 | 8 39 | 0 33 | 5 14 | 1 47 | 26 9 | 11 57 | 22 44 | 22 36 | 15 53 | 13 1 | 0 32 |
| W11 | 23 27 | 0 56 | 4 38 | 24 3 | 1 4 | 23 32 | 1 41 | 25 6 | 3 33 | 2 51 | 1 22 | 2 11 | 2 37 | 8 40 | 0 33 | 5 15 | 1 47 | 26 10 | 11 57 | 22 43 | 22 36 | 15 55 | 13 3 | 0 31 |
| T 12 | 23 29 | 4n13 | 5 3 | 24 17 | 1 9 | 23 20 | 1 42 | 25 11 | 3 35 | 2 53 | 1 22 | 2 11 | 2 37 | 8 40 | 0 33 | 5 15 | 1 47 | 26 10 | 11 57 | 22 43 | 22 37 | 15 57 | 13 5 | 0 31 |
| F 13 | 23 31 | 9 9 | 5 14 | 24 29 | 1 15 | 23 8 | 1 43 | 25 16 | 3 37 | 2 54 | 1 21 | 2 11 | 2 36 | 8 41 | 0 33 | 5 15 | 1 47 | 26 11 | 11 58 | 22 44 | 22 37 | 15 59 | 13 7 | 0 31 |
| S 14 | 23 33 | 13 44 | 5 12 | 24 41 | 1 20 | 22 55 | 1 43 | 25 21 | 3 40 | 2 55 | 1 21 | 2 12 | 2 36 | 8 42 | 0 33 | 5 16 | 1 47 | 26 12 | 11 58 | 22 44 | 22 38 | 16 1 | 13 8 | 0 31 |
| S 15 | 23 34 | 17 48 | 4 57 | 24 51 | 1 25 | 22 41 | 1 43 | 25 26 | 3 42 | 2 57 | 1 21 | 2 12 | 2 36 | 8 43 | 0 33 | 5 16 | 1 47 | 26 12 | 11 59 | 22 44 | 22 38 | 16 4 | 13 10 | 0 30 |
| M16 | 23 34 | 21 10 | 4 29 | 24 59 | 1 29 | 22 27 | 1 44 | 25 32 | 3 44 | 2 58 | 1 21 | 2 13 | 2 36 | 8 43 | 0 33 | 5 16 | 1 47 | 26 13 | 11 59 | 22 44 | 22 38 | 16 6 | 13 12 | 0 30 |
| T 17 | 23 34 | 23 40 | 3 48 | 25 6 | 1 34 | 22 12 | 1 44 | 25 37 | 3 47 | 3 0 | 1 20 | 2 14 | 2 35 | 8 44 | 0 34 | 5 17 | 1 47 | 26 14 | 11 59 | 22 45 | 22 39 | 16 8 | 13 14 | 0 30 |
| W18 | 23 34 | 25 7 | 2 57 | 25 12 | 1 38 | 21 57 | 1 44 | 25 42 | 3 49 | 3 1 | 1 20 | 2 14 | 2 35 | 8 45 | 0 34 | 5 17 | 1 47 | 26 14 | 12 0 | 22 45 | 22 39 | 16 10 | 13 16 | 0 30 |
| T 19 | 23 33 | 25 20 | 1 56 | 25 16 | 1 42 | 21 40 | 1 44 | 25 48 | 3 51 | 3 3 | 1 20 | 2 15 | 2 35 | 8 46 | 0 34 | 5 17 | 1 47 | 26 15 | 12 0 | 22 45 | 22 39 | 16 13 | 13 18 | 0 30 |
| F 20 | 23 32 | 24 16 | 0 49 | 25 19 | 1 46 | 21 24 | 1 44 | 25 53 | 3 53 | 3 5 | 1 19 | 2 16 | 2 34 | 8 46 | 0 34 | 5 17 | 1 47 | 26 15 | 12 0 | 22 45 | 22 40 | 16 15 | 13 19 | 0 29 |
| S 21 | 23 30 | 21 55 | 0s22 | 25 21 | 1 49 | 21 6 | 1 44 | 25 58 | 3 55 | 3 7 | 1 19 | 2 16 | 2 34 | 8 47 | 0 34 | 5 18 | 1 48 | 26 16 | 12 1 | 22 45 | 22 40 | 16 17 | 13 21 | 0 29 |
| S 22 | 23 28 | 18 24 | 1 32 | 25 20 | 1 52 | 20 48 | 1 44 | 26 3 | 3 57 | 3 9 | 1 19 | 2 17 | 2 34 | 8 48 | 0 34 | 5 18 | 1 48 | 26 17 | 12 1 | 22 45 | 22 41 | 16 19 | 13 23 | 0 29 |
| M23 | 23 25 | 13 54 | 2 40 | 25 18 | 1 55 | 20 30 | 1 44 | 26 8 | 3 58 | 3 11 | 1 18 | 2 18 | 2 34 | 8 48 | 0 34 | 5 18 | 1 48 | 26 17 | 12 1 | 22 45 | 22 41 | 16 21 | 13 24 | 0 29 |
| T 24 | 23 22 | 8 40 | 3 39 | 25 15 | 1 58 | 20 10 | 1 44 | 26 13 | 4 0 | 3 13 | 1 18 | 2 19 | 2 33 | 8 49 | 0 34 | 5 18 | 1 48 | 26 18 | 12 2 | 22 45 | 22 41 | 16 24 | 13 26 | 0 28 |
| W25 | 23 18 | 2 58 | 4 27 | 25 10 | 2 0 | 19 51 | 1 44 | 26 18 | 4 2 | 3 15 | 1 18 | 2 20 | 2 33 | 8 49 | 0 34 | 5 19 | 1 48 | 26 19 | 12 2 | 22 45 | 22 42 | 16 26 | 13 27 | 0 28 |
| T 26 | 23 14 | 2s57 | 5 0 | 25 3 | 2 1 | 19 30 | 1 43 | 26 23 | 4 3 | 3 17 | 1 17 | 2 21 | 2 33 | 8 50 | 0 34 | 5 19 | 1 48 | 26 19 | 12 2 | 22 45 | 22 42 | 16 28 | 13 29 | 0 28 |
| F 27 | 23 9 | 8 48 | 5 16 | 24 55 | 2 3 | 19 9 | 1 43 | 26 27 | 4 5 | 3 20 | 1 17 | 2 22 | 2 32 | 8 51 | 0 34 | 5 19 | 1 48 | 26 20 | 12 3 | 22 45 | 22 42 | 16 30 | 13 31 | 0 28 |
| S 28 | 23 4 | 14 15 | 5 13 | 24 45 | 2 4 | 18 48 | 1 42 | 26 32 | 4 6 | 3 22 | 1 17 | 2 23 | 2 32 | 8 51 | 0 34 | 5 19 | 1 48 | 26 21 | 12 3 | 22 45 | 22 43 | 16 32 | 13 32 | 0 28 |
| S 29 | 22 59 | 18 59 | 4 51 | 24 33 | 2 5 | 18 26 | 1 41 | 26 36 | 4 7 | 3 24 | 1 16 | 2 24 | 2 32 | 8 52 | 0 34 | 5 19 | 1 48 | 26 21 | 12 3 | 22 45 | 22 43 | 16 34 | 13 33 | 0 27 |
| M30 | 22 53 | 22 37 | 4 10 | 24 20 | 2 5 | 18 4 | 1 41 | 26 40 | 4 8 | 3 27 | 1 16 | 2 25 | 2 32 | 8 52 | 0 34 | 5 19 | 1 48 | 26 22 | 12 3 | 22 45 | 22 43 | 16 37 | 13 35 | 0 27 |
| T 31 | 22s46 | 24s49 | 3s14 | 24s 4 | 2s 4 | 17s41 | 1s40 | 26n44 | 4n 9 | 3n29 | 1s16 | 2n26 | 2s31 | 8s53 | 0n34 | 5s20 | 1n48 | 26n23 | 12n 4 | 22s45 | 22s44 | 16n39 | 13s36 | 0s27 |

Julian Day Number = 2074588.5, Delta T = 27m10s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'23, Lahiri = 9°28'23 Julian Calendar 1 Dec. 967 == Greg. Calendar 6 Dec. 967


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## JANUARY 968 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 6 59 34 | 15♑33'51 | 21♐32 | 22♑ 4 | 17♒22 | 15°R35 | 11♈48 | 12♈ 0 | 24♎ 7 | 17♎44 | 19°R44 | 14♑48 | 14♑53 | 1♉31 | 4♏51 | W 1 |
| T 2 | 7 3 31 | 16°34'57 | 5♑42 | 23°47 | 18°35 | 15♋11 | 11°54 | 12° 3 | 24° 9 | 17°44 | 19♌42 | 14°48 | 14°50 | 1°37 | 4°55 | T 2 |
| F 3 | 7 7 27 | 17°36'02 | 19°38 | 25°30 | 19°49 | 14°47 | 12° 1 | 12° 5 | 24°10 | 17°45 | 19°41 | 14°R48 | 14°47 | 1°44 | 5° 0 | F 3 |
| S 4 | 7 11 24 | 18°37'06 | 3♒17 | 27°14 | 21° 3 | 14°23 | 12° 7 | 12° 8 | 24°11 | 17°45 | 19°40 | 14°48 | 14°44 | 1°51 | 5° 4 | S 4 |
| S 5 | 7 15 20 | 19°38'09 | 16°37 | 28°58 | 22°16 | 13°59 | 12°14 | 12°11 | 24°12 | 17°45 | 19°39 | 14°48 | 14°41 | 1°58 | 5° 8 | S 5 |
| M 6 | 7 19 17 | 20°39'12 | 29°37 | 0♒42 | 23°30 | 13°36 | 12°21 | 12°14 | 24°13 | 17°46 | 19°37 | 14°47 | 14°38 | 2° 4 | 5°12 | M 6 |
| T 7 | 7 23 13 | 21°40'13 | 12♓17 | 2°26 | 24°44 | 13°12 | 12°28 | 12°17 | 24°14 | 17°46 | 19°36 | 14°46 | 14°34 | 2°11 | 5°16 | T 7 |
| W 8 | 7 27 10 | 22°41'12 | 24°40 | 4°10 | 25°57 | 12°50 | 12°35 | 12°20 | 24°15 | 17°46 | 19°35 | 14°45 | 14°31 | 2°18 | 5°20 | W 8 |
| T 9 | 7 31 7 | 23°42'11 | 6♈49 | 5°53 | 27°10 | 12°27 | 12°42 | 12°24 | 24°16 | 17°46 | 19°33 | 14°44 | 14°28 | 2°24 | 5°24 | T 9 |
| F 10 | 7 35 3 | 24°43'08 | 18°47 | 7°36 | 28°24 | 12° 5 | 12°50 | 12°27 | 24°16 | 17°46 | 19°32 | 14°44 | 14°25 | 2°31 | 5°28 | F 10 |
| S 11 | 7 39 0 | 25°44'04 | 0♉40 | 9°18 | 29°37 | 11°43 | 12°58 | 12°30 | 24°17 | 17°46 | 19°31 | 14°D44 | 14°22 | 2°38 | 5°32 | S 11 |
| S 12 | 7 42 56 | 26°44'59 | 12°33 | 10°59 | 0♓50 | 11°22 | 13° 5 | 12°34 | 24°18 | 17°47 | 19°29 | 14°44 | 14°19 | 2°45 | 5°35 | S 12 |
| M13 | 7 46 53 | 27°45'52 | 24°29 | 12°38 | 2° 4 | 11° 2 | 13°13 | 12°38 | 24°19 | 17°47 | 19°28 | 14°45 | 14°15 | 2°51 | 5°39 | M13 |
| T 14 | 7 50 49 | 28°46'44 | 6♊33 | 14°15 | 3°17 | 10°42 | 13°22 | 12°41 | 24°19 | 17°R47 | 19°27 | 14°47 | 14°12 | 2°58 | 5°42 | T 14 |
| W15 | 7 54 46 | 29°47'35 | 18°50 | 15°50 | 4°30 | 10°22 | 13°30 | 12°45 | 24°20 | 17°47 | 19°25 | 14°48 | 14° 9 | 3° 5 | 5°45 | W15 |
| T 16 | 7 58 42 | 0♒48'24 | 1♋22 | 17°23 | 5°43 | 10° 3 | 13°38 | 12°49 | 24°20 | 17°47 | 19°24 | 14°49 | 14° 6 | 3°11 | 5°48 | T 16 |
| F 17 | 8 2 39 | 1°49'11 | 14°12 | 18°52 | 6°56 | 9°45 | 13°47 | 12°53 | 24°20 | 17°46 | 19°22 | 14°R50 | 14° 3 | 3°18 | 5°51 | F 17 |
| S 18 | 8 6 36 | 2°49'58 | 27°21 | 20°16 | 8° 9 | 9°27 | 13°55 | 12°57 | 24°21 | 17°46 | 19°21 | 14°49 | 13°59 | 3°25 | 5°54 | S 18 |
| S 19 | 8 10 32 | 3°50'43 | 10♌47 | 21°37 | 9°21 | 9°10 | 14° 4 | 13° 1 | 24°21 | 17°46 | 19°19 | 14°48 | 13°56 | 3°32 | 5°57 | S 19 |
| M20 | 8 14 29 | 4°51'26 | 24°30 | 22°52 | 10°34 | 8°54 | 14°13 | 13° 6 | 24°21 | 17°46 | 19°18 | 14°45 | 13°53 | 3°38 | 6° 0 | M20 |
| T 21 | 8 18 25 | 5°52'08 | 8♍26 | 24° 1 | 11°47 | 8°39 | 14°22 | 13°10 | 24°21 | 17°46 | 19°16 | 14°42 | 13°50 | 3°45 | 6° 3 | T 21 |
| W22 | 8 22 22 | 6°52'49 | 22°32 | 25° 3 | 12°59 | 8°24 | 14°31 | 13°14 | 24°22 | 17°46 | 19°15 | 14°39 | 13°47 | 3°52 | 6° 5 | W22 |
| T 23 | 8 26 18 | 7°53'29 | 6♎44 | 25°57 | 14°12 | 8°10 | 14°41 | 13°19 | 24°22 | 17°45 | 19°13 | 14°36 | 13°44 | 3°58 | 6° 7 | T 23 |
| F 24 | 8 30 15 | 8°54'07 | 20°58 | 26°44 | 15°24 | 7°56 | 14°50 | 13°24 | 24°R22 | 17°45 | 19°12 | 14°34 | 13°40 | 4° 5 | 6°10 | F 24 |
| S 25 | 8 34 11 | 9°54'45 | 5♏11 | 27°21 | 16°37 | 7°44 | 15° 0 | 13°28 | 24°22 | 17°45 | 19°11 | 14°D33 | 13°37 | 4°12 | 6°12 | S 25 |
| S 26 | 8 38 8 | 10°55'21 | 19°21 | 27°49 | 17°49 | 7°32 | 15° 9 | 13°33 | 24°22 | 17°44 | 19° 9 | 14°33 | 13°34 | 4°19 | 6°14 | S 26 |
| M27 | 8 42 5 | 11°55'56 | 3♐25 | 28° 7 | 19° 1 | 7°21 | 15°19 | 13°38 | 24°21 | 17°44 | 19° 7 | 14°34 | 13°31 | 4°25 | 6°16 | M27 |
| T 28 | 8 46 1 | 12°56'30 | 17°23 | 28°R15 | 20°13 | 7°11 | 15°29 | 13°43 | 24°21 | 17°43 | 19° 6 | 14°36 | 13°28 | 4°32 | 6°18 | T 28 |
| W29 | 8 49 58 | 13°57'02 | 1♑13 | 28°12 | 21°25 | 7° 2 | 15°39 | 13°48 | 24°21 | 17°43 | 19° 4 | 14°37 | 13°25 | 4°39 | 6°20 | W29 |
| T 30 | 8 53 54 | 14°57'33 | 14°54 | 27°59 | 22°37 | 6°53 | 15°50 | 13°53 | 24°21 | 17°42 | 19° 3 | 14°R38 | 13°21 | 4°45 | 6°21 | T 30 |
| F 31 | 8 57 51 | 15♒58'03 | 28♑24 | 27♒36 | 23♓49 | 6♋45 | 16♈ 0 | 13♈58 | 24♎20 | 17♎42 | 19♌ 1 | 14♑37 | 13♑18 | 4♉52 | 6♏23 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s40 | 25s23 | 2s 6 | 23s47 | 2s 4 | 17s17 | 1s39 | 26n48 | 4n10 | 3n32 | 1s16 | 2n27 | 2s31 | 8s53 | 0n34 | 5s20 | 1n48 | 26n23 | 12n 4 | 22s45 | 22s44 | 16n41 | 13s38 | 0s27 |
| T 2 | 22 32 | 24 17 | 0 50 | 23 29 | 2 2 | 16 53 | 1 38 | 26 52 | 4 11 | 3 35 | 1 15 | 2 29 | 2 31 | 8 53 | 0 34 | 5 20 | 1 48 | 26 24 | 12 4 | 22 45 | 22 45 | 16 43 | 13 39 | 0 26 |
| F 3 | 22 24 | 21 41 | 0n27 | 23 8 | 2 1 | 16 29 | 1 37 | 26 55 | 4 12 | 3 37 | 1 15 | 2 30 | 2 30 | 8 54 | 0 34 | 5 20 | 1 48 | 26 25 | 12 5 | 22 45 | 22 45 | 16 45 | 13 40 | 0 26 |
| S 4 | 22 16 | 17 54 | 1 41 | 22 46 | 1 58 | 16 4 | 1 36 | 26 58 | 4 12 | 3 40 | 1 15 | 2 31 | 2 30 | 8 54 | 0 34 | 5 20 | 1 48 | 26 25 | 12 5 | 22 45 | 22 45 | 16 47 | 13 42 | 0 26 |
| S 5 | 22 8 | 13 17 | 2 47 | 22 22 | 1 55 | 15 39 | 1 34 | 27 1 | 4 13 | 3 43 | 1 14 | 2 33 | 2 30 | 8 55 | 0 34 | 5 20 | 1 48 | 26 26 | 12 5 | 22 45 | 22 46 | 16 49 | 13 43 | 0 26 |
| M 6 | 21 59 | 8 11 | 3 44 | 21 56 | 1 52 | 15 14 | 1 33 | 27 4 | 4 13 | 3 46 | 1 14 | 2 34 | 2 30 | 8 55 | 0 34 | 5 20 | 1 49 | 26 27 | 12 5 | 22 45 | 22 46 | 16 52 | 13 44 | 0 26 |
| T 7 | 21 49 | 2 52 | 4 27 | 21 29 | 1 48 | 14 48 | 1 32 | 27 7 | 4 13 | 3 49 | 1 14 | 2 35 | 2 29 | 8 55 | 0 34 | 5 20 | 1 49 | 26 27 | 12 6 | 22 45 | 22 46 | 16 54 | 13 45 | 0 25 |
| W 8 | 21 39 | 2n25 | 4 58 | 20 59 | 1 43 | 14 21 | 1 30 | 27 9 | 4 13 | 3 52 | 1 14 | 2 37 | 2 29 | 8 56 | 0 34 | 5 20 | 1 49 | 26 28 | 12 6 | 22 45 | 22 47 | 16 56 | 13 46 | 0 25 |
| T 9 | 21 29 | 7 31 | 5 14 | 20 29 | 1 38 | 13 54 | 1 29 | 27 12 | 4 14 | 3 55 | 1 13 | 2 38 | 2 29 | 8 56 | 0 34 | 5 20 | 1 49 | 26 29 | 12 6 | 22 45 | 22 47 | 16 58 | 13 47 | 0 25 |
| F 10 | 21 18 | 12 16 | 5 16 | 19 57 | 1 31 | 13 27 | 1 27 | 27 14 | 4 14 | 3 59 | 1 13 | 2 40 | 2 29 | 8 56 | 0 34 | 5 20 | 1 49 | 26 29 | 12 6 | 22 45 | 22 47 | 17 0 | 13 48 | 0 25 |
| S 11 | 21 7 | 16 31 | 5 5 | 19 23 | 1 24 | 13 0 | 1 25 | 27 16 | 4 13 | 4 2 | 1 13 | 2 42 | 2 28 | 8 56 | 0 34 | 5 20 | 1 49 | 26 30 | 12 7 | 22 45 | 22 48 | 17 2 | 13 49 | 0 24 |
| S 12 | 20 55 | 20 8 | 4 40 | 18 48 | 1 17 | 12 32 | 1 24 | 27 17 | 4 13 | 4 5 | 1 12 | 2 43 | 2 28 | 8 57 | 0 34 | 5 20 | 1 49 | 26 31 | 12 7 | 22 45 | 22 48 | 17 4 | 13 50 | 0 24 |
| M13 | 20 43 | 22 56 | 4 4 | 18 12 | 1 8 | 12 4 | 1 22 | 27 19 | 4 13 | 4 8 | 1 12 | 2 45 | 2 28 | 8 57 | 0 34 | 5 20 | 1 49 | 26 31 | 12 7 | 22 45 | 22 48 | 17 6 | 13 51 | 0 24 |
| T 14 | 20 31 | 24 45 | 3 16 | 17 35 | 0 59 | 11 36 | 1 20 | 27 20 | 4 12 | 4 12 | 1 12 | 2 47 | 2 27 | 8 57 | 0 34 | 5 20 | 1 49 | 26 32 | 12 7 | 22 45 | 22 49 | 17 8 | 13 52 | 0 24 |
| W15 | 20 18 | 25 24 | 2 19 | 16 57 | 0 49 | 11 7 | 1 18 | 27 21 | 4 12 | 4 15 | 1 12 | 2 48 | 2 27 | 8 57 | 0 34 | 5 20 | 1 49 | 26 33 | 12 7 | 22 45 | 22 49 | 17 10 | 13 53 | 0 24 |
| T 16 | 20 5 | 24 48 | 1 14 | 16 19 | 0 38 | 10 38 | 1 16 | 27 22 | 4 11 | 4 19 | 1 11 | 2 50 | 2 27 | 8 57 | 0 34 | 5 20 | 1 49 | 26 33 | 12 8 | 22 45 | 22 49 | 17 13 | 13 54 | 0 23 |
| F 17 | 19 52 | 22 52 | 0 3 | 15 40 | 0 26 | 10 9 | 1 13 | 27 23 | 4 11 | 4 22 | 1 11 | 2 52 | 2 27 | 8 57 | 0 34 | 5 20 | 1 49 | 26 34 | 12 8 | 22 45 | 22 50 | 17 15 | 13 55 | 0 23 |
| S 18 | 19 38 | 19 41 | 1s 9 | 15 2 | 0 14 | 9 40 | 1 11 | 27 23 | 4 10 | 4 26 | 1 11 | 2 54 | 2 26 | 8 58 | 0 34 | 5 20 | 1 49 | 26 35 | 12 8 | 22 45 | 22 50 | 17 17 | 13 55 | 0 23 |
| S 19 | 19 24 | 15 24 | 2 18 | 14 23 | 0 1 | 9 10 | 1 9 | 27 24 | 4 9 | 4 30 | 1 11 | 2 56 | 2 26 | 8 58 | 0 34 | 5 20 | 1 49 | 26 35 | 12 8 | 22 45 | 22 50 | 17 19 | 13 56 | 0 23 |
| M20 | 19 9 | 10 16 | 3 22 | 13 46 | 0n13 | 8 40 | 1 6 | 27 24 | 4 8 | 4 33 | 1 10 | 2 58 | 2 26 | 8 58 | 0 34 | 5 19 | 1 49 | 26 36 | 12 8 | 22 45 | 22 51 | 17 21 | 13 57 | 0 22 |
| T 21 | 18 55 | 4 32 | 4 14 | 13 9 | 0 28 | 8 10 | 1 4 | 27 24 | 4 7 | 4 37 | 1 10 | 2 59 | 2 26 | 8 58 | 0 34 | 5 19 | 1 50 | 26 36 | 12 9 | 22 45 | 22 51 | 17 23 | 13 57 | 0 22 |
| W22 | 18 39 | 1s29 | 4 51 | 12 34 | 0 43 | 7 40 | 1 1 | 27 24 | 4 6 | 4 41 | 1 10 | 3 1 | 2 25 | 8 58 | 0 34 | 5 19 | 1 50 | 26 37 | 12 9 | 22 46 | 22 51 | 17 25 | 13 58 | 0 22 |
| T 23 | 18 24 | 7 27 | 5 11 | 12 1 | 0 59 | 7 9 | 0 59 | 27 24 | 4 5 | 4 45 | 1 10 | 3 3 | 2 25 | 8 58 | 0 34 | 5 19 | 1 50 | 26 38 | 12 9 | 22 46 | 22 52 | 17 27 | 13 59 | 0 22 |
| F 24 | 18 8 | 13 3 | 5 12 | 11 30 | 1 15 | 6 39 | 0 56 | 27 24 | 4 4 | 4 49 | 1 9 | 3 5 | 2 25 | 8 58 | 0 34 | 5 19 | 1 50 | 26 38 | 12 9 | 22 46 | 22 52 | 17 29 | 13 59 | 0 21 |
| S 25 | 17 52 | 17 56 | 4 54 | 11 2 | 1 32 | 6 8 | 0 53 | 27 23 | 4 3 | 4 53 | 1 9 | 3 7 | 2 25 | 8 58 | 0 34 | 5 19 | 1 50 | 26 39 | 12 9 | 22 46 | 22 52 | 17 31 | 14 0 | 0 21 |
| S 26 | 17 35 | 21 48 | 4 18 | 10 37 | 1 48 | 5 37 | 0 50 | 27 23 | 4 1 | 4 57 | 1 9 | 3 10 | 2 25 | 8 58 | 0 34 | 5 18 | 1 50 | 26 40 | 12 9 | 22 46 | 22 53 | 17 33 | 14 0 | 0 21 |
| M27 | 17 19 | 24 20 | 3 27 | 10 15 | 2 4 | 5 6 | 0 47 | 27 22 | 4 0 | 5 1 | 1 9 | 3 12 | 2 24 | 8 58 | 0 34 | 5 18 | 1 50 | 26 40 | 12 9 | 22 46 | 22 53 | 17 35 | 14 1 | 0 21 |
| T 28 | 17 1 | 25 21 | 2 24 | 9 58 | 2 20 | 4 35 | 0 44 | 27 21 | 3 59 | 5 5 | 1 8 | 3 14 | 2 24 | 8 57 | 0 35 | 5 18 | 1 50 | 26 41 | 12 10 | 22 46 | 22 53 | 17 37 | 14 1 | 0 20 |
| W29 | 16 44 | 24 47 | 1 13 | 9 44 | 2 35 | 4 3 | 0 41 | 27 20 | 3 57 | 5 9 | 1 8 | 3 16 | 2 24 | 8 57 | 0 35 | 5 18 | 1 50 | 26 41 | 12 10 | 22 46 | 22 54 | 17 39 | 14 1 | 0 20 |
| T 30 | 16 26 | 22 43 | 0n 1 | 9 35 | 2 50 | 3 32 | 0 38 | 27 19 | 3 56 | 5 13 | 1 8 | 3 18 | 2 24 | 8 57 | 0 35 | 5 17 | 1 50 | 26 42 | 12 10 | 22 46 | 22 54 | 17 41 | 14 2 | 0 20 |
| F 31 | 16s 8 | 19s23 | 1n15 | 9s30 | 3n 3 | 3s 0 | 0s35 | 27n18 | 3n55 | 5n17 | 1s 8 | 3n20 | 2s23 | 8s57 | 0n35 | 5s17 | 1n50 | 26n43 | 12n10 | 22s46 | 22s54 | 17n43 | 14s 2 | 0s20 |

Julian Day Number = 2074619.5, Delta T = 27m09s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'27, Lahiri = 9°28'28 Julian Calendar 1 Jan. 968 == Greg. Calendar 6 Jan. 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## FEBRUARY 968 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 1 47 | 16♒58'31 | 11♒41 | 27°R 4 | 25♓ 1 | 6°R38 | 16♈10 | 14♈ 4 | 24°R20 | 17°R41 | 19°R 0 | 14°R35 | 13♉15 | 4♉59 | 6♏24 | S 1 |
| S 2 | 9 5 44 | 17°58'57 | 24°45 | 26♒24 | 26°12 | 6♋32 | 16°21 | 14° 9 | 24♎19 | 17♎41 | 18♌58 | 14♉31 | 13°12 | 5° 6 | 6°25 | S 2 |
| M 3 | 9 9 41 | 18°59'21 | 7♓35 | 25°35 | 27°24 | 6°26 | 16°31 | 14°14 | 24°19 | 17°40 | 18°57 | 14°25 | 13° 9 | 5°12 | 6°27 | M 3 |
| T 4 | 9 13 37 | 19°59'44 | 20° 9 | 24°41 | 28°35 | 6°22 | 16°42 | 14°20 | 24°18 | 17°39 | 18°55 | 14°18 | 13° 5 | 5°19 | 6°28 | T 4 |
| W 5 | 9 17 34 | 21° 0'04 | 2♈30 | 23°42 | 29°47 | 6°18 | 16°53 | 14°25 | 24°18 | 17°39 | 18°54 | 14°12 | 13° 2 | 5°26 | 6°29 | W 5 |
| T 6 | 9 21 30 | 22° 0'23 | 14°38 | 22°39 | 0♈58 | 6°15 | 17° 4 | 14°31 | 24°17 | 17°38 | 18°52 | 14° 6 | 12°59 | 5°32 | 6°29 | T 6 |
| F 7 | 9 25 27 | 23° 0'40 | 26°36 | 21°35 | 2° 9 | 6°13 | 17°15 | 14°37 | 24°16 | 17°37 | 18°51 | 14° 1 | 12°56 | 5°39 | 6°30 | F 7 |
| S 8 | 9 29 23 | 24° 0'54 | 8♉29 | 20°31 | 3°20 | 6°11 | 17°26 | 14°42 | 24°15 | 17°36 | 18°49 | 13°58 | 12°53 | 5°46 | 6°31 | S 8 |
| S 9 | 9 33 20 | 25° 1'07 | 20°20 | 19°28 | 4°31 | 6°D10 | 17°37 | 14°48 | 24°14 | 17°35 | 18°48 | 13°D56 | 12°50 | 5°53 | 6°31 | S 9 |
| M10 | 9 37 16 | 26° 1'17 | 2♊15 | 18°29 | 5°42 | 6°10 | 17°49 | 14°54 | 24°14 | 17°35 | 18°46 | 13°56 | 12°46 | 5°59 | 6°32 | M10 |
| T 11 | 9 41 13 | 27° 1'26 | 14°18 | 17°33 | 6°52 | 6°11 | 18° 0 | 15° 0 | 24°13 | 17°34 | 18°45 | 13°57 | 12°43 | 6° 6 | 6°32 | T 11 |
| W12 | 9 45 9 | 28° 1'32 | 26°34 | 16°42 | 8° 3 | 6°13 | 18°12 | 15° 6 | 24°12 | 17°33 | 18°43 | 13°59 | 12°40 | 6°13 | 6°32 | W12 |
| T 13 | 9 49 6 | 29° 1'36 | 9♋ 9 | 15°56 | 9°13 | 6°15 | 18°23 | 15°12 | 24°11 | 17°32 | 18°42 | 14°R 0 | 12°37 | 6°19 | 6°R32 | T 13 |
| F 14 | 9 53 3 | 0♓ 1'38 | 22° 5 | 15°17 | 10°24 | 6°18 | 18°35 | 15°18 | 24° 9 | 17°31 | 18°40 | 14° 0 | 12°34 | 6°26 | 6°32 | F 14 |
| S 15 | 9 56 59 | 1° 1'38 | 5♌26 | 14°44 | 11°34 | 6°21 | 18°47 | 15°25 | 24° 8 | 17°30 | 18°39 | 13°58 | 12°31 | 6°33 | 6°32 | S 15 |
| S 16 | 10 0 56 | 2° 1'36 | 19°10 | 14°18 | 12°44 | 6°26 | 18°59 | 15°31 | 24° 7 | 17°29 | 18°37 | 13°53 | 12°27 | 6°40 | 6°32 | S 16 |
| M17 | 10 4 52 | 3° 1'31 | 3♍17 | 13°59 | 13°54 | 6°31 | 19°11 | 15°37 | 24° 6 | 17°28 | 18°36 | 13°47 | 12°24 | 6°46 | 6°31 | M17 |
| T 18 | 10 8 49 | 4° 1'25 | 17°41 | 13°46 | 15° 4 | 6°36 | 19°23 | 15°44 | 24° 5 | 17°27 | 18°34 | 13°39 | 12°21 | 6°53 | 6°31 | T 18 |
| W19 | 10 12 45 | 5° 1'17 | 2♎17 | 13°D40 | 16°13 | 6°42 | 19°35 | 15°50 | 24° 3 | 17°26 | 18°33 | 13°31 | 12°18 | 7° 0 | 6°30 | W19 |
| T 20 | 10 16 42 | 6° 1'07 | 16°57 | 13°41 | 17°23 | 6°49 | 19°47 | 15°57 | 24° 2 | 17°25 | 18°31 | 13°23 | 12°15 | 7° 6 | 6°30 | T 20 |
| F 21 | 10 20 38 | 7° 0'55 | 1♏33 | 13°47 | 18°32 | 6°57 | 19°59 | 16° 3 | 24° 0 | 17°24 | 18°30 | 13°17 | 12°11 | 7°13 | 6°29 | F 21 |
| S 22 | 10 24 35 | 8° 0'41 | 16° 1 | 13°59 | 19°41 | 7° 5 | 20°12 | 16°10 | 23°59 | 17°22 | 18°29 | 13°12 | 12° 8 | 7°20 | 6°28 | S 22 |
| S 23 | 10 28 32 | 9° 0'26 | 0♐16 | 14°17 | 20°50 | 7°14 | 20°24 | 16°16 | 23°57 | 17°21 | 18°27 | 13°10 | 12° 5 | 7°27 | 6°27 | S 23 |
| M24 | 10 32 28 | 10° 0'09 | 14°17 | 14°39 | 21°59 | 7°23 | 20°36 | 16°23 | 23°56 | 17°20 | 18°26 | 13°D10 | 12° 2 | 7°33 | 6°26 | M24 |
| T 25 | 10 36 25 | 10°59'50 | 28° 2 | 15° 7 | 23° 8 | 7°33 | 20°49 | 16°30 | 23°54 | 17°19 | 18°24 | 13°11 | 11°59 | 7°40 | 6°24 | T 25 |
| W26 | 10 40 21 | 11°59'30 | 11♑33 | 15°39 | 24°16 | 7°43 | 21° 2 | 16°36 | 23°53 | 17°18 | 18°23 | 13°R11 | 11°56 | 7°47 | 6°23 | W26 |
| T 27 | 10 44 18 | 12°59'08 | 24°51 | 16°15 | 25°25 | 7°54 | 21°14 | 16°43 | 23°51 | 17°16 | 18°22 | 13°11 | 11°52 | 7°53 | 6°22 | T 27 |
| F 28 | 10 48 14 | 13°58'43 | 7♒57 | 16°56 | 26°33 | 8° 6 | 21°27 | 16°50 | 23°49 | 17°15 | 18°20 | 13° 8 | 11°49 | 8° 0 | 6°20 | F 28 |
| S 29 | 10 52 11 | 14♓58'17 | 20♒52 | 17♒40 | 27♈41 | 8♋18 | 21♈40 | 16♈57 | 23♎48 | 17♎14 | 18♌19 | 13♉ 3 | 11♉46 | 8♉ 7 | 6♏18 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 15s50 | 15s 6 | 2n22 | 9s30 | 3n15 | 2s29 | 0s32 | 27n17 | 3n53 | 5n21 | 1s 8 | 3n23 | 2s23 | 8s57 | 0n35 | 5s17 | 1n50 | 26n43 | 12n10 | 22s46 | 22s55 | 17n45 | 14s 2 | 0s19 | S 1 |
| S 2 | 15 32 | 10 11 | 3 21 | 9 34 | 3 25 | 1 57 | 0 29 | 27 16 | 3 52 | 5 26 | 1 7 | 3 25 | 2 23 | 8 57 | 0 35 | 5 17 | 1 50 | 26 44 | 12 10 | 22 47 | 22 55 | 17 47 | 14 2 | 0 19 | S 2 |
| M 3 | 15 13 | 4 55 | 4 9 | 9 42 | 3 34 | 1 26 | 0 25 | 27 15 | 3 50 | 5 30 | 1 7 | 3 27 | 2 23 | 8 56 | 0 35 | 5 16 | 1 50 | 26 44 | 12 10 | 22 47 | 22 55 | 17 49 | 14 3 | 0 19 | M 3 |
| T 4 | 14 54 | 0n25 | 4 43 | 9 54 | 3 40 | 0 54 | 0 22 | 27 13 | 3 48 | 5 34 | 1 7 | 3 30 | 2 23 | 8 56 | 0 35 | 5 16 | 1 50 | 26 45 | 12 10 | 22 48 | 22 56 | 17 51 | 14 3 | 0 19 | T 4 |
| W 5 | 14 35 | 5 38 | 5 4 | 10 10 | 3 45 | 0 22 | 0 18 | 27 12 | 3 47 | 5 39 | 1 7 | 3 32 | 2 22 | 8 56 | 0 35 | 5 16 | 1 50 | 26 46 | 12 10 | 22 49 | 22 56 | 17 53 | 14 3 | 0 19 | W 5 |
| T 6 | 14 15 | 10 33 | 5 10 | 10 28 | 3 47 | 0n 9 | 0 15 | 27 10 | 3 45 | 5 43 | 1 6 | 3 34 | 2 22 | 8 56 | 0 35 | 5 15 | 1 50 | 26 46 | 12 10 | 22 49 | 22 56 | 17 55 | 14 3 | 0 18 | T 6 |
| F 7 | 13 55 | 15 1 | 5 3 | 10 49 | 3 47 | 0 41 | 0 11 | 27 9 | 3 44 | 5 47 | 1 6 | 3 37 | 2 22 | 8 55 | 0 35 | 5 15 | 1 51 | 26 47 | 12 10 | 22 50 | 22 56 | 17 57 | 14 3 | 0 18 | F 7 |
| S 8 | 13 35 | 18 52 | 4 43 | 11 11 | 3 44 | 1 13 | 0 8 | 27 7 | 3 42 | 5 52 | 1 6 | 3 39 | 2 22 | 8 55 | 0 35 | 5 15 | 1 51 | 26 47 | 12 10 | 22 50 | 22 57 | 17 59 | 14 3 | 0 18 | S 8 |
| S 9 | 13 15 | 21 57 | 4 10 | 11 35 | 3 40 | 1 44 | 0 4 | 27 6 | 3 40 | 5 56 | 1 6 | 3 42 | 2 22 | 8 55 | 0 35 | 5 14 | 1 51 | 26 48 | 12 10 | 22 50 | 22 57 | 18 1 | 14 3 | 0 17 | S 9 |
| M10 | 12 55 | 24 6 | 3 27 | 11 59 | 3 34 | 2 16 | 0 0 | 27 4 | 3 39 | 6 1 | 1 6 | 3 44 | 2 21 | 8 54 | 0 35 | 5 14 | 1 51 | 26 48 | 12 10 | 22 50 | 22 57 | 18 3 | 14 3 | 0 17 | M10 |
| T 11 | 12 34 | 25 11 | 2 34 | 12 24 | 3 26 | 2 48 | 0n 3 | 27 2 | 3 37 | 6 6 | 1 5 | 3 46 | 2 21 | 8 54 | 0 35 | 5 14 | 1 51 | 26 49 | 12 10 | 22 50 | 22 58 | 18 5 | 14 2 | 0 17 | T 11 |
| W12 | 12 14 | 25 5 | 1 33 | 12 48 | 3 16 | 3 19 | 0 7 | 27 1 | 3 35 | 6 10 | 1 5 | 3 49 | 2 21 | 8 54 | 0 35 | 5 13 | 1 51 | 26 49 | 12 10 | 22 50 | 22 58 | 18 7 | 14 2 | 0 17 | W12 |
| T 13 | 11 53 | 23 42 | 0 26 | 13 12 | 3 6 | 3 51 | 0 11 | 26 59 | 3 33 | 6 15 | 1 5 | 3 51 | 2 21 | 8 53 | 0 35 | 5 13 | 1 51 | 26 50 | 12 11 | 22 50 | 22 58 | 18 9 | 14 2 | 0 16 | T 13 |
| F 14 | 11 32 | 21 2 | 0s44 | 13 35 | 2 54 | 4 22 | 0 15 | 26 57 | 3 32 | 6 19 | 1 5 | 3 54 | 2 21 | 8 53 | 0 35 | 5 12 | 1 51 | 26 50 | 12 11 | 22 50 | 22 59 | 18 11 | 14 2 | 0 16 | F 14 |
| S 15 | 11 10 | 17 12 | 1 53 | 13 56 | 2 41 | 4 53 | 0 19 | 26 55 | 3 30 | 6 24 | 1 5 | 3 57 | 2 20 | 8 52 | 0 35 | 5 12 | 1 51 | 26 51 | 12 11 | 22 50 | 22 59 | 18 12 | 14 1 | 0 16 | S 15 |
| S 16 | 10 49 | 12 21 | 2 58 | 14 16 | 2 28 | 5 24 | 0 23 | 26 53 | 3 28 | 6 29 | 1 4 | 3 59 | 2 20 | 8 52 | 0 35 | 5 12 | 1 51 | 26 51 | 12 11 | 22 51 | 22 59 | 18 14 | 14 1 | 0 16 | S 16 |
| M17 | 10 27 | 6 44 | 3 54 | 14 35 | 2 14 | 5 55 | 0 27 | 26 51 | 3 27 | 6 33 | 1 4 | 4 2 | 2 20 | 8 51 | 0 35 | 5 11 | 1 51 | 26 52 | 12 10 | 22 51 | 22 59 | 18 16 | 14 1 | 0 15 | M17 |
| T 18 | 10 5 | 0 40 | 4 36 | 14 52 | 2 0 | 6 26 | 0 31 | 26 49 | 3 25 | 6 38 | 1 4 | 4 4 | 2 20 | 8 51 | 0 35 | 5 11 | 1 51 | 26 52 | 12 10 | 22 52 | 23 0 | 18 18 | 14 0 | 0 15 | T 18 |
| W19 | 9 43 | 5s30 | 5 0 | 15 7 | 1 46 | 6 57 | 0 35 | 26 47 | 3 23 | 6 43 | 1 4 | 4 7 | 2 20 | 8 50 | 0 35 | 5 10 | 1 51 | 26 53 | 12 10 | 22 53 | 23 0 | 18 20 | 14 0 | 0 15 | W19 |
| T 20 | 9 21 | 11 23 | 5 5 | 15 20 | 1 32 | 7 27 | 0 39 | 26 45 | 3 21 | 6 48 | 1 4 | 4 10 | 2 20 | 8 50 | 0 35 | 5 10 | 1 51 | 26 53 | 12 10 | 22 54 | 23 0 | 18 22 | 13 59 | 0 15 | T 20 |
| F 21 | 8 59 | 16 37 | 4 51 | 15 32 | 1 18 | 7 58 | 0 43 | 26 43 | 3 20 | 6 53 | 1 4 | 4 12 | 2 19 | 8 49 | 0 35 | 5 9 | 1 51 | 26 54 | 12 10 | 22 54 | 23 1 | 18 24 | 13 59 | 0 14 | F 21 |
| S 22 | 8 37 | 20 50 | 4 18 | 15 42 | 1 5 | 8 28 | 0 47 | 26 41 | 3 18 | 6 57 | 1 3 | 4 15 | 2 19 | 8 49 | 0 35 | 5 9 | 1 51 | 26 54 | 12 10 | 22 55 | 23 1 | 18 26 | 13 58 | 0 14 | S 22 |
| S 23 | 8 14 | 23 43 | 3 29 | 15 50 | 0 51 | 8 58 | 0 51 | 26 39 | 3 16 | 7 2 | 1 3 | 4 18 | 2 19 | 8 48 | 0 35 | 5 8 | 1 51 | 26 54 | 12 10 | 22 55 | 23 1 | 18 28 | 13 58 | 0 14 | S 23 |
| M24 | 7 52 | 25 6 | 2 28 | 15 56 | 0 38 | 9 28 | 0 55 | 26 36 | 3 15 | 7 7 | 1 3 | 4 20 | 2 19 | 8 48 | 0 35 | 5 8 | 1 51 | 26 55 | 12 10 | 22 55 | 23 2 | 18 30 | 13 57 | 0 14 | M24 |
| T 25 | 7 29 | 24 54 | 1 20 | 16 0 | 0 25 | 9 57 | 0 59 | 26 34 | 3 13 | 7 12 | 1 3 | 4 23 | 2 19 | 8 47 | 0 35 | 5 7 | 1 51 | 26 55 | 12 10 | 22 55 | 23 2 | 18 31 | 13 56 | 0 13 | T 25 |
| W26 | 7 6 | 23 13 | 0 9 | 16 2 | 0 12 | 10 27 | 1 4 | 26 32 | 3 11 | 7 17 | 1 3 | 4 26 | 2 19 | 8 46 | 0 35 | 5 7 | 1 51 | 26 56 | 12 10 | 22 55 | 23 2 | 18 33 | 13 56 | 0 13 | W26 |
| T 27 | 6 43 | 20 16 | 1n 2 | 16 3 | 0 0 | 10 56 | 1 8 | 26 30 | 3 10 | 7 22 | 1 3 | 4 29 | 2 18 | 8 46 | 0 35 | 5 6 | 1 52 | 26 56 | 12 10 | 22 55 | 23 2 | 18 35 | 13 55 | 0 13 | T 27 |
| F 28 | 6 20 | 16 19 | 2 8 | 16 2 | 0s11 | 11 25 | 1 12 | 26 27 | 3 8 | 7 27 | 1 2 | 4 31 | 2 18 | 8 45 | 0 35 | 5 6 | 1 52 | 26 56 | 12 10 | 22 55 | 23 3 | 18 37 | 13 54 | 0 12 | F 28 |
| S 29 | 5s57 | 11s40 | 3n 7 | 15s59 | 0s23 | 11n54 | 1n16 | 26n25 | 3n 6 | 7n32 | 1s 2 | 4n34 | 2s18 | 8s44 | 0n35 | 5s 5 | 1n52 | 26n57 | 12n10 | 22s56 | 23s 3 | 18n39 | 13s53 | 0s12 | S 29 |

Julian Day Number = 2074650.5, Delta T = 27m09s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'31, Lahiri = 9°28'32 Julian Calendar 1 Feb. 968 == Greg. Calendar 6 Feb. 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## MARCH 968 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 56 7 | 15♓57'49 | 3♓36 | 18♒28 | 28♈49 | 8♋31 | 21♈53 | 17♈ 4 | 23°R46 | 17°R12 | 18°R18 | 12°R54 | 11♑43 | 8♉13 | 6°R17 | S 1 |
| M 2 | 11 0 4 | 16°57'19 | 16° 9 | 19°19 | 29°57 | 8°44 | 22° 6 | 17°11 | 23♎44 | 17♎11 | 18♌16 | 12♑44 | 11°40 | 8°20 | 6♏15 | M 2 |
| T 3 | 11 4 1 | 17°56'47 | 28°31 | 20°13 | 1♉ 4 | 8°57 | 22°19 | 17°18 | 23°42 | 17°10 | 18°15 | 12°32 | 11°36 | 8°27 | 6°13 | T 3 |
| W 4 | 11 7 57 | 18°56'13 | 10♈44 | 21°10 | 2°12 | 9°11 | 22°32 | 17°25 | 23°40 | 17° 8 | 18°14 | 12°19 | 11°33 | 8°34 | 6°11 | W 4 |
| T 5 | 11 11 54 | 19°55'36 | 22°47 | 22°10 | 3°19 | 9°26 | 22°45 | 17°32 | 23°38 | 17° 7 | 18°12 | 12° 7 | 11°30 | 8°40 | 6° 9 | T 5 |
| F 6 | 11 15 50 | 20°54'57 | 4♉43 | 23°13 | 4°26 | 9°41 | 22°58 | 17°39 | 23°36 | 17° 5 | 18°11 | 11°57 | 11°27 | 8°47 | 6° 6 | F 6 |
| S 7 | 11 19 47 | 21°54'16 | 16°34 | 24°18 | 5°33 | 9°57 | 23°11 | 17°47 | 23°34 | 17° 4 | 18°10 | 11°49 | 11°24 | 8°54 | 6° 4 | S 7 |
| S 8 | 11 23 43 | 22°53'33 | 28°24 | 25°26 | 6°39 | 10°13 | 23°25 | 17°54 | 23°32 | 17° 3 | 18° 9 | 11°44 | 11°21 | 9° 0 | 6° 2 | S 8 |
| M 9 | 11 27 40 | 23°52'47 | 10♊16 | 26°36 | 7°45 | 10°29 | 23°38 | 18° 1 | 23°30 | 17° 1 | 18° 7 | 11°41 | 11°17 | 9° 7 | 5°59 | M 9 |
| T 10 | 11 31 36 | 24°52'00 | 22°16 | 27°47 | 8°51 | 10°46 | 23°51 | 18° 8 | 23°28 | 17° 0 | 18° 6 | 11°D40 | 11°14 | 9°14 | 5°56 | T 10 |
| W11 | 11 35 33 | 25°51'09 | 4♋30 | 29° 2 | 9°57 | 11° 3 | 24° 5 | 18°16 | 23°26 | 16°58 | 18° 5 | 11°40 | 11°11 | 9°21 | 5°54 | W11 |
| T 12 | 11 39 30 | 26°50'17 | 17° 2 | 0♓18 | 11° 3 | 11°21 | 24°18 | 18°23 | 23°24 | 16°57 | 18° 4 | 11°R40 | 11° 8 | 9°27 | 5°51 | T 12 |
| F 13 | 11 43 26 | 27°49'22 | 29°57 | 1°36 | 12° 8 | 11°39 | 24°32 | 18°30 | 23°21 | 16°55 | 18° 3 | 11°39 | 11° 5 | 9°34 | 5°48 | F 13 |
| S 14 | 11 47 23 | 28°48'24 | 13♌19 | 2°56 | 13°13 | 11°58 | 24°45 | 18°38 | 23°19 | 16°54 | 18° 2 | 11°36 | 11° 2 | 9°41 | 5°45 | S 14 |
| S 15 | 11 51 19 | 29°47'25 | 27°10 | 4°17 | 14°18 | 12°17 | 24°59 | 18°45 | 23°17 | 16°52 | 18° 1 | 11°30 | 10°58 | 9°47 | 5°42 | S 15 |
| M16 | 11 55 16 | 0♈46'23 | 11♍28 | 5°41 | 15°23 | 12°36 | 25°12 | 18°53 | 23°15 | 16°50 | 18° 0 | 11°21 | 10°55 | 9°54 | 5°39 | M16 |
| T 17 | 11 59 12 | 1°45'18 | 26°10 | 7° 6 | 16°27 | 12°55 | 25°26 | 19° 0 | 23°12 | 16°49 | 17°59 | 11°11 | 10°52 | 10° 1 | 5°36 | T 17 |
| W18 | 12 3 9 | 2°44'12 | 11♎ 8 | 8°33 | 17°31 | 13°15 | 25°40 | 19° 8 | 23°10 | 16°47 | 17°58 | 11° 0 | 10°49 | 10° 7 | 5°32 | W18 |
| T 19 | 12 7 5 | 3°43'04 | 26°12 | 10° 2 | 18°35 | 13°36 | 25°54 | 19°15 | 23° 8 | 16°46 | 17°57 | 10°49 | 10°46 | 10°14 | 5°29 | T 19 |
| F 20 | 12 11 2 | 4°41'54 | 11♏14 | 11°32 | 19°39 | 13°56 | 26° 7 | 19°23 | 23° 5 | 16°44 | 17°56 | 10°40 | 10°42 | 10°21 | 5°26 | F 20 |
| S 21 | 12 14 58 | 5°40'42 | 26° 2 | 13° 4 | 20°42 | 14°17 | 26°21 | 19°30 | 23° 3 | 16°43 | 17°55 | 10°33 | 10°39 | 10°28 | 5°22 | S 21 |
| S 22 | 12 18 55 | 6°39'28 | 10♐33 | 14°37 | 21°45 | 14°39 | 26°35 | 19°38 | 23° 1 | 16°41 | 17°54 | 10°29 | 10°36 | 10°34 | 5°19 | S 22 |
| M23 | 12 22 52 | 7°38'13 | 24°42 | 16°13 | 22°47 | 15° 0 | 26°49 | 19°45 | 22°58 | 16°39 | 17°53 | 10°27 | 10°33 | 10°41 | 5°15 | M23 |
| T 24 | 12 26 48 | 8°36'56 | 8♑28 | 17°49 | 23°49 | 15°22 | 27° 3 | 19°53 | 22°56 | 16°38 | 17°52 | 10°27 | 10°30 | 10°48 | 5°11 | T 24 |
| W25 | 12 30 45 | 9°35'37 | 21°53 | 19°28 | 24°51 | 15°44 | 27°17 | 20° 1 | 22°53 | 16°36 | 17°51 | 10°27 | 10°27 | 10°54 | 5° 8 | W25 |
| T 26 | 12 34 41 | 10°34'16 | 5♒ 0 | 21° 8 | 25°53 | 16° 7 | 27°31 | 20° 8 | 22°51 | 16°34 | 17°50 | 10°26 | 10°23 | 11° 1 | 5° 4 | T 26 |
| F 27 | 12 38 38 | 11°32'54 | 17°51 | 22°49 | 26°54 | 16°30 | 27°45 | 20°16 | 22°48 | 16°33 | 17°50 | 10°22 | 10°20 | 11° 8 | 5° 0 | F 27 |
| S 28 | 12 42 34 | 12°31'30 | 0♓29 | 24°33 | 27°55 | 16°53 | 27°59 | 20°24 | 22°46 | 16°31 | 17°49 | 10°16 | 10°17 | 11°15 | 4°56 | S 28 |
| S 29 | 12 46 31 | 13°30'04 | 12°56 | 26°18 | 28°56 | 17°16 | 28°13 | 20°31 | 22°43 | 16°30 | 17°48 | 10° 6 | 10°14 | 11°21 | 4°52 | S 29 |
| M30 | 12 50 27 | 14°28'36 | 25°14 | 28° 4 | 29°56 | 17°40 | 28°27 | 20°39 | 22°41 | 16°28 | 17°47 | 9°55 | 10°11 | 11°28 | 4°48 | M30 |
| T 31 | 12 54 24 | 15♈27'06 | 7♈24 | 29♓52 | 0♊55 | 18♋ 4 | 28♈41 | 20♈47 | 22♎38 | 16♎26 | 17♌47 | 9♑41 | 10♑ 8 | 11♉35 | 4♏44 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s34 | 6s36 | 3n55 | 15s54 | 0s33 | 12n22 | 1n20 | 26n22 | 3n 5 | 7n37 | 1s 2 | 4n37 | 2s18 | 8s44 | 0n35 | 5s 5 | 1n52 | 26n57 | 12n10 | 22s57 | 23s 3 | 18n41 | 13s53 | 0s12 |
| M 2 | 5 11 | 1 20 | 4 31 | 15 48 | 0 44 | 12 50 | 1 25 | 26 20 | 3 3 | 7 42 | 1 2 | 4 40 | 2 18 | 8 43 | 0 35 | 5 4 | 1 52 | 26 57 | 12 10 | 22 58 | 23 4 | 18 43 | 13 52 | 0 12 |
| T 3 | 4 47 | 3n53 | 4 53 | 15 40 | 0 54 | 13 18 | 1 29 | 26 17 | 3 1 | 7 47 | 1 2 | 4 43 | 2 18 | 8 42 | 0 35 | 5 3 | 1 52 | 26 58 | 12 10 | 22 59 | 23 4 | 18 44 | 13 51 | 0 11 |
| W 4 | 4 24 | 8 53 | 5 2 | 15 31 | 1 3 | 13 45 | 1 33 | 26 15 | 3 0 | 7 52 | 1 2 | 4 45 | 2 18 | 8 42 | 0 35 | 5 3 | 1 52 | 26 58 | 12 9 | 23 0 | 23 4 | 18 46 | 13 50 | 0 11 |
| T 5 | 4 1 | 13 30 | 4 57 | 15 20 | 1 12 | 14 13 | 1 37 | 26 12 | 2 58 | 7 57 | 1 1 | 4 48 | 2 18 | 8 41 | 0 35 | 5 2 | 1 52 | 26 58 | 12 9 | 23 1 | 23 4 | 18 48 | 13 49 | 0 11 |
| F 6 | 3 37 | 17 32 | 4 39 | 15 7 | 1 20 | 14 40 | 1 41 | 26 9 | 2 57 | 8 2 | 1 1 | 4 51 | 2 17 | 8 40 | 0 35 | 5 2 | 1 52 | 26 59 | 12 9 | 23 2 | 23 5 | 18 50 | 13 48 | 0 11 |
| S 7 | 3 14 | 20 51 | 4 9 | 14 53 | 1 28 | 15 6 | 1 46 | 26 7 | 2 55 | 8 7 | 1 1 | 4 54 | 2 17 | 8 39 | 0 35 | 5 1 | 1 52 | 26 59 | 12 9 | 23 3 | 23 5 | 18 52 | 13 47 | 0 10 |
| S 8 | 2 50 | 23 18 | 3 28 | 14 37 | 1 36 | 15 32 | 1 50 | 26 4 | 2 54 | 8 12 | 1 1 | 4 57 | 2 17 | 8 39 | 0 35 | 5 1 | 1 52 | 26 59 | 12 9 | 23 3 | 23 5 | 18 54 | 13 46 | 0 10 |
| M 9 | 2 27 | 24 44 | 2 38 | 14 20 | 1 43 | 15 58 | 1 54 | 26 1 | 2 52 | 8 17 | 1 1 | 5 0 | 2 17 | 8 38 | 0 35 | 5 0 | 1 52 | 26 59 | 12 9 | 23 3 | 23 5 | 18 55 | 13 45 | 0 10 |
| T 10 | 2 3 | 25 2 | 1 41 | 14 1 | 1 49 | 16 24 | 1 58 | 25 58 | 2 50 | 8 22 | 1 1 | 5 3 | 2 17 | 8 37 | 0 35 | 4 59 | 1 52 | 27 0 | 12 9 | 23 3 | 23 6 | 18 57 | 13 43 | 0 9 |
| W11 | 1 39 | 24 8 | 0 38 | 13 40 | 1 55 | 16 49 | 2 2 | 25 55 | 2 49 | 8 27 | 1 1 | 5 5 | 2 17 | 8 36 | 0 35 | 4 59 | 1 52 | 27 0 | 12 8 | 23 3 | 23 6 | 18 59 | 13 42 | 0 9 |
| T 12 | 1 16 | 22 1 | 0s28 | 13 18 | 2 0 | 17 14 | 2 6 | 25 52 | 2 47 | 8 32 | 1 0 | 5 8 | 2 17 | 8 35 | 0 35 | 4 58 | 1 52 | 27 0 | 12 8 | 23 3 | 23 6 | 19 1 | 13 41 | 0 9 |
| F 13 | 0 52 | 18 43 | 1 35 | 12 55 | 2 5 | 17 38 | 2 10 | 25 49 | 2 46 | 8 37 | 1 0 | 5 11 | 2 17 | 8 35 | 0 35 | 4 58 | 1 52 | 27 0 | 12 8 | 23 4 | 23 7 | 19 3 | 13 40 | 0 9 |
| S 14 | 0 29 | 14 22 | 2 39 | 12 30 | 2 10 | 18 2 | 2 14 | 25 46 | 2 44 | 8 42 | 1 0 | 5 14 | 2 17 | 8 34 | 0 35 | 4 57 | 1 52 | 27 0 | 12 8 | 23 4 | 23 7 | 19 4 | 13 39 | 0 8 |
| S 15 | 0 5 | 9 9 | 3 36 | 12 4 | 2 14 | 18 25 | 2 18 | 25 42 | 2 43 | 8 47 | 1 0 | 5 17 | 2 17 | 8 33 | 0 35 | 4 56 | 1 52 | 27 1 | 12 8 | 23 4 | 23 7 | 19 6 | 13 37 | 0 8 |
| M16 | 0n19 | 3 17 | 4 21 | 11 36 | 2 17 | 18 48 | 2 22 | 25 39 | 2 41 | 8 53 | 1 0 | 5 20 | 2 16 | 8 32 | 0 35 | 4 56 | 1 52 | 27 1 | 12 8 | 23 5 | 23 7 | 19 8 | 13 36 | 0 8 |
| T 17 | 0 42 | 2s54 | 4 50 | 11 7 | 2 20 | 19 11 | 2 26 | 25 36 | 2 40 | 8 58 | 1 0 | 5 23 | 2 16 | 8 31 | 0 35 | 4 55 | 1 52 | 27 1 | 12 7 | 23 6 | 23 8 | 19 10 | 13 35 | 0 7 |
| W18 | 1 6 | 9 2 | 5 0 | 10 37 | 2 23 | 19 33 | 2 30 | 25 32 | 2 39 | 9 3 | 1 0 | 5 26 | 2 16 | 8 30 | 0 35 | 4 55 | 1 52 | 27 1 | 12 7 | 23 7 | 23 8 | 19 11 | 13 33 | 0 7 |
| T 19 | 1 29 | 14 40 | 4 50 | 10 5 | 2 25 | 19 55 | 2 34 | 25 29 | 2 37 | 9 8 | 1 0 | 5 29 | 2 16 | 8 29 | 0 35 | 4 54 | 1 52 | 27 1 | 12 7 | 23 8 | 23 8 | 19 13 | 13 32 | 0 7 |
| F 20 | 1 53 | 19 23 | 4 19 | 9 32 | 2 26 | 20 16 | 2 38 | 25 25 | 2 36 | 9 13 | 1 0 | 5 32 | 2 16 | 8 29 | 0 35 | 4 53 | 1 52 | 27 1 | 12 7 | 23 9 | 23 8 | 19 15 | 13 30 | 0 6 |
| S 21 | 2 16 | 22 48 | 3 32 | 8 57 | 2 28 | 20 37 | 2 42 | 25 22 | 2 34 | 9 18 | 0 59 | 5 34 | 2 16 | 8 28 | 0 35 | 4 53 | 1 52 | 27 2 | 12 7 | 23 9 | 23 9 | 19 17 | 13 29 | 0 6 |
| S 22 | 2 39 | 24 39 | 2 31 | 8 22 | 2 28 | 20 58 | 2 45 | 25 18 | 2 33 | 9 23 | 0 59 | 5 37 | 2 16 | 8 27 | 0 35 | 4 52 | 1 52 | 27 2 | 12 7 | 23 9 | 23 9 | 19 18 | 13 28 | 0 6 |
| M23 | 3 3 | 24 50 | 1 22 | 7 44 | 2 28 | 21 17 | 2 49 | 25 14 | 2 31 | 9 28 | 0 59 | 5 40 | 2 16 | 8 26 | 0 35 | 4 51 | 1 52 | 27 2 | 12 6 | 23 10 | 23 9 | 19 20 | 13 26 | 0 6 |
| T 24 | 3 26 | 23 29 | 0 11 | 7 6 | 2 27 | 21 37 | 2 52 | 25 10 | 2 30 | 9 34 | 0 59 | 5 43 | 2 16 | 8 25 | 0 35 | 4 51 | 1 52 | 27 2 | 12 6 | 23 10 | 23 9 | 19 22 | 13 25 | 0 5 |
| W25 | 3 49 | 20 48 | 1n 0 | 6 26 | 2 26 | 21 56 | 2 56 | 25 6 | 2 29 | 9 39 | 0 59 | 5 46 | 2 16 | 8 24 | 0 35 | 4 50 | 1 52 | 27 2 | 12 6 | 23 10 | 23 10 | 19 23 | 13 23 | 0 5 |
| T 26 | 4 12 | 17 5 | 2 6 | 5 45 | 2 25 | 22 14 | 2 59 | 25 2 | 2 27 | 9 44 | 0 59 | 5 49 | 2 16 | 8 23 | 0 35 | 4 49 | 1 52 | 27 2 | 12 6 | 23 10 | 23 10 | 19 25 | 13 21 | 0 5 |
| F 27 | 4 36 | 12 39 | 3 4 | 5 3 | 2 23 | 22 32 | 3 3 | 24 58 | 2 26 | 9 49 | 0 59 | 5 52 | 2 16 | 8 22 | 0 35 | 4 49 | 1 52 | 27 2 | 12 5 | 23 10 | 23 10 | 19 27 | 13 20 | 0 4 |
| S 28 | 4 59 | 7 45 | 3 51 | 4 19 | 2 20 | 22 49 | 3 6 | 24 54 | 2 25 | 9 54 | 0 59 | 5 55 | 2 16 | 8 21 | 0 35 | 4 48 | 1 52 | 27 2 | 12 5 | 23 10 | 23 10 | 19 29 | 13 18 | 0 4 |
| S 29 | 5 21 | 2 38 | 4 27 | 3 35 | 2 17 | 23 6 | 3 9 | 24 49 | 2 23 | 9 59 | 0 59 | 5 58 | 2 16 | 8 20 | 0 35 | 4 48 | 1 52 | 27 2 | 12 5 | 23 11 | 23 11 | 19 30 | 13 17 | 0 4 |
| M30 | 5 44 | 2n32 | 4 50 | 2 49 | 2 13 | 23 23 | 3 12 | 24 45 | 2 22 | 10 4 | 0 58 | 6 1 | 2 16 | 8 19 | 0 35 | 4 47 | 1 52 | 27 2 | 12 5 | 23 12 | 23 11 | 19 32 | 13 15 | 0 4 |
| T 31 | 6n 7 | 7n32 | 4n59 | 2s 2 | 2s 9 | 23n39 | 3n15 | 24n40 | 2n21 | 10n 9 | 0s58 | 6n 4 | 2s16 | 8s19 | 0n35 | 4s46 | 1n52 | 27n 2 | 12n 5 | 23s13 | 23s11 | 19n34 | 13s13 | 0s 3 |

Julian Day Number = 2074679.5, Delta T = 27m09s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'35, Lahiri = 9°28'36 Julian Calendar 1 March 968 == Greg. Calendar 6 March 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## APRIL 968 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 58 21 | 16♈25'34 | 19♈26 | 1♈42 | 1♊55 | 18♋28 | 28♈55 | 20♈54 | 22°R36 | 16°R25 | 17°R46 | 9°R27 | 10♑ 4 | 11♉41 | 4°R40 | W 1 |
| T 2 | 13 2 17 | 17°24'01 | 1♉23 | 3°33 | 2°54 | 18°53 | 29° 9 | 21° 2 | 22♎33 | 16♎23 | 17♏45 | 9♑13 | 10° 1 | 11°48 | 4♏36 | T 2 |
| F 3 | 13 6 14 | 18°22'26 | 13°15 | 5°26 | 3°52 | 19°18 | 29°23 | 21°10 | 22°31 | 16°21 | 17°45 | 9° 1 | 9°58 | 11°55 | 4°32 | F 3 |
| S 4 | 13 10 10 | 19°20'48 | 25° 5 | 7°21 | 4°50 | 19°43 | 29°37 | 21°17 | 22°28 | 16°20 | 17°44 | 8°52 | 9°55 | 12° 1 | 4°27 | S 4 |
| S 5 | 13 14 7 | 20°19'09 | 6♊54 | 9°17 | 5°48 | 20° 8 | 29°52 | 21°25 | 22°26 | 16°18 | 17°44 | 8°45 | 9°52 | 12° 8 | 4°23 | S 5 |
| M 6 | 13 18 3 | 21°17'28 | 18°46 | 11°15 | 6°45 | 20°33 | 0♉ 6 | 21°33 | 22°23 | 16°16 | 17°43 | 8°42 | 9°48 | 12°15 | 4°19 | M 6 |
| T 7 | 13 22 0 | 22°15'44 | 0♋46 | 13°15 | 7°42 | 20°59 | 0°20 | 21°41 | 22°21 | 16°15 | 17°43 | 8°40 | 9°45 | 12°22 | 4°14 | T 7 |
| W 8 | 13 25 56 | 23°13'59 | 12°58 | 15°16 | 8°38 | 21°25 | 0°34 | 21°48 | 22°18 | 16°13 | 17°42 | 8°D40 | 9°42 | 12°28 | 4°10 | W 8 |
| T 9 | 13 29 53 | 24°12'11 | 25°27 | 17°19 | 9°33 | 21°51 | 0°48 | 21°56 | 22°16 | 16°12 | 17°42 | 8°R40 | 9°39 | 12°35 | 4° 6 | T 9 |
| F 10 | 13 33 50 | 25°10'21 | 8♌18 | 19°23 | 10°28 | 22°18 | 1° 2 | 22° 4 | 22°13 | 16°10 | 17°41 | 8°39 | 9°36 | 12°42 | 4° 1 | F 10 |
| S 11 | 13 37 46 | 26° 8'30 | 21°35 | 21°28 | 11°23 | 22°44 | 1°17 | 22°11 | 22°10 | 16° 8 | 17°41 | 8°37 | 9°33 | 12°48 | 3°57 | S 11 |
| S 12 | 13 41 43 | 27° 6'36 | 5♍22 | 23°35 | 12°17 | 23°11 | 1°31 | 22°19 | 22° 8 | 16° 7 | 17°41 | 8°32 | 9°29 | 12°55 | 3°52 | S 12 |
| M13 | 13 45 39 | 28° 4'40 | 19°39 | 25°42 | 13°10 | 23°38 | 1°45 | 22°27 | 22° 5 | 16° 5 | 17°40 | 8°25 | 9°26 | 13° 2 | 3°48 | M13 |
| T 14 | 13 49 36 | 29° 2'42 | 4♎23 | 27°51 | 14° 2 | 24° 5 | 1°59 | 22°34 | 22° 3 | 16° 4 | 17°40 | 8°16 | 9°23 | 13° 8 | 3°44 | T 14 |
| W15 | 13 53 32 | 0♉ 0'43 | 19°28 | 0♉ 0 | 14°54 | 24°33 | 2°14 | 22°42 | 22° 0 | 16° 2 | 17°40 | 8° 6 | 9°20 | 13°15 | 3°39 | W15 |
| T 16 | 13 57 29 | 0°58'41 | 4♏44 | 2°10 | 15°46 | 25° 0 | 2°28 | 22°50 | 21°58 | 16° 0 | 17°39 | 7°57 | 9°17 | 13°22 | 3°35 | T 16 |
| F 17 | 14 1 25 | 1°56'39 | 20° 0 | 4°20 | 16°36 | 25°28 | 2°42 | 22°57 | 21°55 | 15°59 | 17°39 | 7°48 | 9°13 | 13°29 | 3°30 | F 17 |
| S 18 | 14 5 22 | 2°54'34 | 5♐ 6 | 6°31 | 17°26 | 25°56 | 2°56 | 23° 5 | 21°53 | 15°57 | 17°39 | 7°43 | 9°10 | 13°35 | 3°26 | S 18 |
| S 19 | 14 9 19 | 3°52'29 | 19°52 | 8°41 | 18°15 | 26°24 | 3°11 | 23°13 | 21°50 | 15°56 | 17°39 | 7°39 | 9° 7 | 13°42 | 3°21 | S 19 |
| M20 | 14 13 15 | 4°50'22 | 4♑14 | 10°50 | 19° 3 | 26°52 | 3°25 | 23°20 | 21°48 | 15°54 | 17°39 | 7°D38 | 9° 4 | 13°49 | 3°17 | M20 |
| T 21 | 14 17 12 | 5°48'13 | 18°10 | 12°59 | 19°51 | 27°21 | 3°39 | 23°28 | 21°45 | 15°53 | 17°39 | 7°38 | 9° 1 | 13°55 | 3°12 | T 21 |
| W22 | 14 21 8 | 6°46'04 | 1♒40 | 15° 7 | 20°38 | 27°50 | 3°53 | 23°35 | 21°43 | 15°51 | 17°39 | 7°R39 | 8°58 | 14° 2 | 3° 8 | W22 |
| T 23 | 14 25 5 | 7°43'53 | 14°47 | 17°13 | 21°24 | 28°18 | 4° 8 | 23°43 | 21°41 | 15°50 | 17°39 | 7°39 | 8°54 | 14° 9 | 3° 3 | T 23 |
| F 24 | 14 29 1 | 8°41'41 | 27°33 | 19°17 | 22° 8 | 28°47 | 4°22 | 23°51 | 21°38 | 15°48 | 17°D39 | 7°37 | 8°51 | 14°15 | 2°59 | F 24 |
| S 25 | 14 32 58 | 9°39'27 | 10♓ 4 | 21°20 | 22°52 | 29°17 | 4°36 | 23°58 | 21°36 | 15°47 | 17°39 | 7°33 | 8°48 | 14°22 | 2°54 | S 25 |
| S 26 | 14 36 54 | 10°37'13 | 22°21 | 23°21 | 23°35 | 29°46 | 4°50 | 24° 6 | 21°33 | 15°45 | 17°39 | 7°27 | 8°45 | 14°29 | 2°50 | S 26 |
| M27 | 14 40 51 | 11°34'57 | 4♈29 | 25°19 | 24°18 | 0♌15 | 5° 4 | 24°13 | 21°31 | 15°44 | 17°39 | 7°18 | 8°42 | 14°36 | 2°45 | M27 |
| T 28 | 14 44 48 | 12°32'40 | 16°29 | 27°15 | 24°59 | 0°45 | 5°18 | 24°21 | 21°29 | 15°42 | 17°39 | 7° 8 | 8°39 | 14°42 | 2°41 | T 28 |
| W29 | 14 48 44 | 13°30'21 | 28°24 | 29° 9 | 25°38 | 1°15 | 5°33 | 24°28 | 21°26 | 15°41 | 17°39 | 6°58 | 8°35 | 14°49 | 2°37 | W29 |
| T 30 | 14 52 41 | 14♉28'02 | 10♉16 | 0♊59 | 26♊17 | 1♌45 | 5♉47 | 24♈35 | 21♎24 | 15♎39 | 17♏39 | 6♑48 | 8♑32 | 14♉56 | 2♏32 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n30 | 12n12 | 4n55 | 1s14 | 2s 5 | 23n54 | 3n18 | 24n36 | 2n20 | 10n15 | 0s58 | 6n 7 | 2s16 | 8s18 | 0n35 | 4s46 | 1n52 | 27n 2 | 12n 4 | 23s14 | 23s11 | 19n35 | 13s12 | 0s 3 |
| T 2 | 6 52 | 16 21 | 4 38 | 0 24 | 1 59 | 24 9 | 3 21 | 24 31 | 2 18 | 10 20 | 0 58 | 6 10 | 2 16 | 8 17 | 0 35 | 4 45 | 1 52 | 27 2 | 12 4 | 23 15 | 23 12 | 19 37 | 13 10 | 0 3 |
| F 3 | 7 15 | 19 51 | 4 9 | 0n26 | 1 54 | 24 23 | 3 24 | 24 26 | 2 17 | 10 25 | 0 58 | 6 12 | 2 16 | 8 16 | 0 35 | 4 44 | 1 52 | 27 2 | 12 4 | 23 16 | 23 12 | 19 39 | 13 8 | 0 2 |
| S 4 | 7 37 | 22 31 | 3 29 | 1 17 | 1 48 | 24 36 | 3 27 | 24 21 | 2 16 | 10 30 | 0 58 | 6 15 | 2 15 | 8 15 | 0 35 | 4 44 | 1 52 | 27 2 | 12 4 | 23 17 | 23 12 | 19 40 | 13 7 | 0 2 |
| S 5 | 7 59 | 24 12 | 2 40 | 2 9 | 1 41 | 24 49 | 3 29 | 24 16 | 2 14 | 10 35 | 0 58 | 6 18 | 2 15 | 8 14 | 0 35 | 4 43 | 1 52 | 27 2 | 12 3 | 23 17 | 23 12 | 19 42 | 13 5 | 0 2 |
| M 6 | 8 21 | 24 49 | 1 43 | 3 2 | 1 34 | 25 2 | 3 32 | 24 11 | 2 13 | 10 40 | 0 58 | 6 21 | 2 15 | 8 13 | 0 35 | 4 42 | 1 52 | 27 2 | 12 3 | 23 17 | 23 13 | 19 44 | 13 3 | 0 1 |
| T 7 | 8 43 | 24 16 | 0 42 | 3 56 | 1 26 | 25 14 | 3 34 | 24 6 | 2 12 | 10 45 | 0 58 | 6 24 | 2 15 | 8 12 | 0 35 | 4 42 | 1 52 | 27 2 | 12 3 | 23 17 | 23 13 | 19 45 | 13 1 | 0 1 |
| W 8 | 9 5 | 22 34 | 0s23 | 4 51 | 1 18 | 25 25 | 3 36 | 24 1 | 2 11 | 10 50 | 0 58 | 6 27 | 2 15 | 8 11 | 0 35 | 4 41 | 1 52 | 27 2 | 12 3 | 23 17 | 23 13 | 19 47 | 13 0 | 0 1 |
| T 9 | 9 26 | 19 44 | 1 28 | 5 46 | 1 9 | 25 36 | 3 38 | 23 55 | 2 10 | 10 55 | 0 58 | 6 30 | 2 15 | 8 10 | 0 35 | 4 41 | 1 52 | 27 2 | 12 2 | 23 17 | 23 13 | 19 49 | 12 58 | 0 0 |
| F 10 | 9 48 | 15 52 | 2 30 | 6 42 | 1 0 | 25 46 | 3 40 | 23 50 | 2 8 | 11 0 | 0 58 | 6 33 | 2 15 | 8 9 | 0 35 | 4 40 | 1 52 | 27 1 | 12 2 | 23 17 | 23 13 | 19 50 | 12 56 | 0 0 |
| S 11 | 10 9 | 11 7 | 3 27 | 7 38 | 0 51 | 25 56 | 3 42 | 23 44 | 2 7 | 11 5 | 0 57 | 6 36 | 2 15 | 8 8 | 0 35 | 4 39 | 1 52 | 27 1 | 12 2 | 23 17 | 23 14 | 19 52 | 12 54 | 0n 0 |
| S 12 | 10 30 | 5 40 | 4 14 | 8 34 | 0 41 | 26 5 | 3 44 | 23 38 | 2 6 | 11 10 | 0 57 | 6 38 | 2 15 | 8 7 | 0 35 | 4 39 | 1 52 | 27 1 | 12 1 | 23 18 | 23 14 | 19 54 | 12 52 | 0 0 |
| M13 | 10 51 | 0s16 | 4 47 | 9 30 | 0 31 | 26 14 | 3 45 | 23 32 | 2 5 | 11 15 | 0 57 | 6 41 | 2 15 | 8 6 | 0 35 | 4 38 | 1 52 | 27 1 | 12 1 | 23 18 | 23 14 | 19 55 | 12 51 | 0 1 |
| T 14 | 11 12 | 6 22 | 5 2 | 10 26 | 0 21 | 26 22 | 3 47 | 23 27 | 2 4 | 11 20 | 0 57 | 6 44 | 2 15 | 8 5 | 0 35 | 4 38 | 1 52 | 27 1 | 12 1 | 23 19 | 23 14 | 19 57 | 12 49 | 0 1 |
| W15 | 11 32 | 12 13 | 4 57 | 11 22 | 0 11 | 26 29 | 3 48 | 23 20 | 2 2 | 11 25 | 0 57 | 6 47 | 2 15 | 8 4 | 0 35 | 4 37 | 1 52 | 27 1 | 12 1 | 23 19 | 23 15 | 19 58 | 12 47 | 0 1 |
| T 16 | 11 53 | 17 24 | 4 30 | 12 18 | 0 0 | 26 36 | 3 49 | 23 14 | 2 1 | 11 30 | 0 57 | 6 50 | 2 15 | 8 3 | 0 35 | 4 36 | 1 52 | 27 1 | 12 0 | 23 20 | 23 15 | 20 0 | 12 45 | 0 2 |
| F 17 | 12 13 | 21 27 | 3 45 | 13 12 | 0n10 | 26 43 | 3 50 | 23 8 | 2 0 | 11 35 | 0 57 | 6 53 | 2 15 | 8 3 | 0 35 | 4 36 | 1 52 | 27 0 | 12 0 | 23 21 | 23 15 | 20 2 | 12 43 | 0 2 |
| S 18 | 12 33 | 23 57 | 2 44 | 14 6 | 0 21 | 26 49 | 3 51 | 23 2 | 1 59 | 11 40 | 0 57 | 6 55 | 2 16 | 8 2 | 0 35 | 4 35 | 1 52 | 27 0 | 12 0 | 23 21 | 23 15 | 20 3 | 12 41 | 0 2 |
| S 19 | 12 53 | 24 44 | 1 33 | 14 58 | 0 32 | 26 54 | 3 52 | 22 55 | 1 58 | 11 45 | 0 57 | 6 58 | 2 16 | 8 1 | 0 35 | 4 35 | 1 52 | 27 0 | 12 0 | 23 21 | 23 15 | 20 5 | 12 40 | 0 3 |
| M20 | 13 12 | 23 48 | 0 18 | 15 49 | 0 42 | 26 59 | 3 52 | 22 49 | 1 57 | 11 50 | 0 57 | 7 1 | 2 16 | 8 0 | 0 35 | 4 34 | 1 52 | 27 0 | 11 59 | 23 21 | 23 16 | 20 6 | 12 38 | 0 3 |
| T 21 | 13 32 | 21 24 | 0n56 | 16 39 | 0 52 | 27 3 | 3 52 | 22 42 | 1 56 | 11 55 | 0 57 | 7 4 | 2 16 | 7 59 | 0 35 | 4 33 | 1 52 | 27 0 | 11 59 | 23 21 | 23 16 | 20 8 | 12 36 | 0 3 |
| W22 | 13 51 | 17 52 | 2 5 | 17 27 | 1 2 | 27 6 | 3 53 | 22 35 | 1 55 | 12 0 | 0 57 | 7 7 | 2 16 | 7 58 | 0 35 | 4 33 | 1 52 | 26 59 | 11 59 | 23 21 | 23 16 | 20 9 | 12 34 | 0 3 |
| T 23 | 14 10 | 13 33 | 3 5 | 18 13 | 1 12 | 27 9 | 3 52 | 22 28 | 1 54 | 12 5 | 0 57 | 7 9 | 2 16 | 7 57 | 0 35 | 4 32 | 1 52 | 26 59 | 11 58 | 23 21 | 23 16 | 20 11 | 12 32 | 0 4 |
| F 24 | 14 29 | 8 43 | 3 54 | 18 56 | 1 21 | 27 12 | 3 52 | 22 21 | 1 52 | 12 9 | 0 57 | 7 12 | 2 16 | 7 56 | 0 35 | 4 32 | 1 52 | 26 59 | 11 58 | 23 21 | 23 17 | 20 13 | 12 31 | 0 4 |
| S 25 | 14 47 | 3 39 | 4 31 | 19 38 | 1 29 | 27 14 | 3 52 | 22 14 | 1 51 | 12 14 | 0 57 | 7 15 | 2 16 | 7 55 | 0 35 | 4 31 | 1 52 | 26 58 | 11 58 | 23 21 | 23 17 | 20 14 | 12 29 | 0 4 |
| S 26 | 15 6 | 1n27 | 4 55 | 20 17 | 1 37 | 27 16 | 3 51 | 22 7 | 1 50 | 12 19 | 0 57 | 7 18 | 2 16 | 7 54 | 0 35 | 4 31 | 1 52 | 26 58 | 11 58 | 23 22 | 23 17 | 20 16 | 12 27 | 0 5 |
| M27 | 15 24 | 6 26 | 5 5 | 20 53 | 1 45 | 27 17 | 3 50 | 21 59 | 1 49 | 12 24 | 0 57 | 7 20 | 2 16 | 7 54 | 0 35 | 4 30 | 1 52 | 26 58 | 11 57 | 23 22 | 23 17 | 20 17 | 12 25 | 0 5 |
| T 28 | 15 41 | 11 8 | 5 1 | 21 28 | 1 51 | 27 17 | 3 49 | 21 52 | 1 48 | 12 29 | 0 56 | 7 23 | 2 16 | 7 53 | 0 35 | 4 30 | 1 52 | 26 58 | 11 57 | 23 23 | 23 17 | 20 19 | 12 23 | 0 5 |
| W29 | 15 59 | 15 23 | 4 44 | 21 59 | 1 57 | 27 17 | 3 48 | 21 44 | 1 47 | 12 33 | 0 56 | 7 26 | 2 16 | 7 52 | 0 35 | 4 29 | 1 52 | 26 57 | 11 57 | 23 23 | 23 18 | 20 20 | 12 22 | 0 6 |
| T 30 | 16n16 | 19n 1 | 4n15 | 22n28 | 2n 3 | 27n17 | 3n46 | 21n36 | 1n46 | 12n38 | 0s56 | 7n28 | 2s16 | 7s51 | 0n35 | 4s29 | 1n52 | 26n57 | 11n56 | 23s24 | 23s18 | 20n22 | 12s20 | 0n 6 |

Julian Day Number = 2074710.5, Delta T = 27m08s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'40, Lahiri = 9°28'40 Julian Calendar 1 Apr. 968 == Greg. Calendar 6 Apr. 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## MAY 968 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 56 37 | 15♉25'41 | 22♉ 6 | 2♊47 | 26♊55 | 2♌15 | 6♉ 1 | 24♈43 | 21°R22 | 15°R38 | 17♌39 | 6°R39 | 8♑29 | 15♉ 2 | 2°R28 | F 1 |
| S 2 | 15 0 34 | 16°23'19 | 3♊56 | 4°32 | 27°31 | 2°45 | 6°15 | 24°50 | 21♎20 | 15♎37 | 17°40 | 6♑33 | 8°26 | 15° 9 | 2♏24 | S 2 |
| S 3 | 15 4 30 | 17°20'55 | 15°48 | 6°14 | 28° 7 | 3°16 | 6°29 | 24°58 | 21°17 | 15°35 | 17°40 | 6°28 | 8°23 | 15°16 | 2°19 | S 3 |
| M 4 | 15 8 27 | 18°18'31 | 27°44 | 7°53 | 28°40 | 3°46 | 6°43 | 25° 5 | 21°15 | 15°34 | 17°40 | 6°26 | 8°19 | 15°22 | 2°15 | M 4 |
| T 5 | 15 12 23 | 19°16'05 | 9♋48 | 9°29 | 29°13 | 4°17 | 6°57 | 25°12 | 21°13 | 15°33 | 17°41 | 6°D26 | 8°16 | 15°29 | 2°11 | T 5 |
| W 6 | 15 16 20 | 20°13'37 | 22° 4 | 11° 1 | 29°44 | 4°48 | 7°11 | 25°20 | 21°11 | 15°31 | 17°41 | 6°27 | 8°13 | 15°36 | 2° 7 | W 6 |
| T 7 | 15 20 17 | 21°11'08 | 4♌34 | 12°31 | 0♋14 | 5°19 | 7°25 | 25°27 | 21° 9 | 15°30 | 17°41 | 6°28 | 8°10 | 15°42 | 2° 3 | T 7 |
| F 8 | 15 24 13 | 22° 8'38 | 17°24 | 13°57 | 0°42 | 5°50 | 7°39 | 25°34 | 21° 7 | 15°29 | 17°42 | 6°R29 | 8° 7 | 15°49 | 1°59 | F 8 |
| S 9 | 15 28 10 | 23° 6'06 | 0♍38 | 15°21 | 1° 8 | 6°21 | 7°53 | 25°41 | 21° 5 | 15°28 | 17°42 | 6°29 | 8° 4 | 15°56 | 1°55 | S 9 |
| S 10 | 15 32 6 | 24° 3'33 | 14°17 | 16°40 | 1°33 | 6°53 | 8° 7 | 25°48 | 21° 3 | 15°27 | 17°43 | 6°27 | 8° 0 | 16° 3 | 1°51 | S 10 |
| M11 | 15 36 3 | 25° 0'58 | 28°25 | 17°57 | 1°57 | 7°24 | 8°21 | 25°55 | 21° 1 | 15°25 | 17°43 | 6°23 | 7°57 | 16° 9 | 1°47 | M11 |
| T 12 | 15 39 59 | 25°58'22 | 12♎59 | 19°10 | 2°18 | 7°56 | 8°35 | 26° 2 | 20°59 | 15°24 | 17°44 | 6°19 | 7°54 | 16°16 | 1°43 | T 12 |
| W13 | 15 43 56 | 26°55'45 | 27°55 | 20°20 | 2°38 | 8°27 | 8°49 | 26° 9 | 20°57 | 15°23 | 17°44 | 6°13 | 7°51 | 16°23 | 1°39 | W13 |
| T 14 | 15 47 52 | 27°53'07 | 13♏ 5 | 21°27 | 2°55 | 8°59 | 9° 3 | 26°16 | 20°55 | 15°22 | 17°45 | 6° 8 | 7°48 | 16°29 | 1°36 | T 14 |
| F 15 | 15 51 49 | 28°50'28 | 28°20 | 22°30 | 3°11 | 9°31 | 9°16 | 26°23 | 20°53 | 15°21 | 17°45 | 6° 3 | 7°45 | 16°36 | 1°32 | F 15 |
| S 16 | 15 55 46 | 29°47'48 | 13♐30 | 23°29 | 3°25 | 10° 3 | 9°30 | 26°30 | 20°52 | 15°20 | 17°46 | 6° 0 | 7°41 | 16°43 | 1°28 | S 16 |
| S 17 | 15 59 42 | 0♊45'08 | 28°24 | 24°24 | 3°37 | 10°35 | 9°44 | 26°37 | 20°50 | 15°19 | 17°47 | 5°58 | 7°38 | 16°49 | 1°25 | S 17 |
| M18 | 16 3 39 | 1°42'26 | 12♑56 | 25°16 | 3°46 | 11° 8 | 9°58 | 26°44 | 20°48 | 15°18 | 17°47 | 5°D58 | 7°35 | 16°56 | 1°21 | M18 |
| T 19 | 16 7 35 | 2°39'44 | 27° 2 | 26° 4 | 3°54 | 11°40 | 10°11 | 26°51 | 20°46 | 15°17 | 17°48 | 5°59 | 7°32 | 17° 3 | 1°18 | T 19 |
| W20 | 16 11 32 | 3°37'02 | 10♒40 | 26°48 | 3°59 | 12°13 | 10°25 | 26°57 | 20°45 | 15°16 | 17°49 | 6° 1 | 7°29 | 17°10 | 1°15 | W20 |
| T 21 | 16 15 28 | 4°34'19 | 23°53 | 27°28 | 4° 2 | 12°45 | 10°38 | 27° 4 | 20°43 | 15°15 | 17°50 | 6° 2 | 7°25 | 17°16 | 1°11 | T 21 |
| F 22 | 16 19 25 | 5°31'35 | 6♓42 | 28° 4 | 4°R 3 | 13°18 | 10°52 | 27°11 | 20°42 | 15°14 | 17°50 | 6°R 2 | 7°22 | 17°23 | 1° 8 | F 22 |
| S 23 | 16 23 21 | 6°28'52 | 19°12 | 28°36 | 4° 1 | 13°51 | 11° 5 | 27°17 | 20°40 | 15°13 | 17°51 | 6° 1 | 7°19 | 17°30 | 1° 5 | S 23 |
| S 24 | 16 27 18 | 7°26'07 | 1♈27 | 29° 4 | 3°57 | 14°24 | 11°19 | 27°24 | 20°38 | 15°12 | 17°52 | 5°59 | 7°16 | 17°36 | 1° 2 | S 24 |
| M25 | 16 31 15 | 8°23'23 | 13°30 | 29°27 | 3°51 | 14°57 | 11°32 | 27°30 | 20°37 | 15°11 | 17°53 | 5°56 | 7°13 | 17°43 | 0°59 | M25 |
| T 26 | 16 35 11 | 9°20'38 | 25°26 | 29°45 | 3°42 | 15°30 | 11°46 | 27°37 | 20°36 | 15°10 | 17°54 | 5°52 | 7°10 | 17°50 | 0°56 | T 26 |
| W27 | 16 39 8 | 10°17'52 | 7♉17 | 29°59 | 3°31 | 16° 3 | 11°59 | 27°43 | 20°34 | 15°10 | 17°55 | 5°48 | 7° 6 | 17°56 | 0°53 | W27 |
| T 28 | 16 43 4 | 11°15'07 | 19° 7 | 0♋ 9 | 3°17 | 16°37 | 12°12 | 27°50 | 20°33 | 15° 9 | 17°56 | 5°44 | 7° 3 | 18° 3 | 0°51 | T 28 |
| F 29 | 16 47 1 | 12°12'20 | 0♊57 | 0°14 | 3° 2 | 17°10 | 12°26 | 27°56 | 20°32 | 15° 8 | 17°57 | 5°40 | 7° 0 | 18°10 | 0°48 | F 29 |
| S 30 | 16 50 57 | 13° 9'34 | 12°51 | 0°R15 | 2°43 | 17°44 | 12°39 | 28° 2 | 20°30 | 15° 8 | 17°58 | 5°38 | 6°57 | 18°16 | 0°46 | S 30 |
| S 31 | 16 54 54 | 14♊ 6'47 | 24♊50 | 0♋11 | 2♋23 | 18♌17 | 12♉52 | 28♈ 8 | 20♎29 | 15♎ 7 | 17♌59 | 5♑36 | 6♑54 | 18♉23 | 0♏43 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 16n33 | 21n51 | 3n35 | 22n55 | 2n 7 | 27n16 | 3n44 | 21n28 | 1n45 | 12n43 | 0s56 | 7n31 | 2s16 | 7s50 | 0n35 | 4s28 | 1n52 | 26n57 | 11n56 | 23s24 | 23s18 | 20n23 | 12s18 | 0n 6 | |
| S 2 | 16 50 | 23 46 | 2 46 | 23 19 | 2 11 | 27 15 | 3 42 | 21 20 | 1 44 | 12 48 | 0 56 | 7 34 | 2 16 | 7 49 | 0 35 | 4 28 | 1 52 | 26 56 | 11 56 | 23 25 | 23 18 | 20 25 | 12 16 | 0 6 | |
| S 3 | 17 6 | 24 37 | 1 49 | 23 40 | 2 14 | 27 13 | 3 39 | 21 12 | 1 43 | 12 52 | 0 56 | 7 36 | 2 16 | 7 49 | 0 35 | 4 27 | 1 52 | 26 56 | 11 56 | 23 25 | 23 18 | 20 26 | 12 14 | 0 7 | |
| M 4 | 17 23 | 24 20 | 0 47 | 23 59 | 2 16 | 27 11 | 3 37 | 21 4 | 1 42 | 12 57 | 0 56 | 7 39 | 2 16 | 7 48 | 0 35 | 4 27 | 1 52 | 26 56 | 11 55 | 23 25 | 23 19 | 20 28 | 12 13 | 0 7 | |
| T 5 | 17 38 | 22 54 | 0s18 | 24 16 | 2 18 | 27 8 | 3 34 | 20 56 | 1 41 | 13 2 | 0 56 | 7 41 | 2 16 | 7 47 | 0 35 | 4 26 | 1 52 | 26 55 | 11 55 | 23 25 | 23 19 | 20 29 | 12 11 | 0 7 | |
| W 6 | 17 54 | 20 23 | 1 24 | 24 30 | 2 19 | 27 5 | 3 30 | 20 47 | 1 40 | 13 6 | 0 56 | 7 44 | 2 16 | 7 46 | 0 35 | 4 26 | 1 52 | 26 55 | 11 55 | 23 25 | 23 19 | 20 31 | 12 9 | 0 8 | |
| T 7 | 18 9 | 16 52 | 2 26 | 24 43 | 2 18 | 27 1 | 3 27 | 20 39 | 1 39 | 13 11 | 0 56 | 7 47 | 2 16 | 7 45 | 0 35 | 4 25 | 1 52 | 26 54 | 11 54 | 23 25 | 23 19 | 20 32 | 12 8 | 0 8 | |
| F 8 | 18 24 | 12 28 | 3 23 | 24 53 | 2 17 | 26 57 | 3 23 | 20 30 | 1 38 | 13 15 | 0 56 | 7 49 | 2 17 | 7 45 | 0 35 | 4 25 | 1 52 | 26 54 | 11 54 | 23 25 | 23 19 | 20 34 | 12 6 | 0 8 | |
| S 9 | 18 39 | 7 23 | 4 12 | 25 1 | 2 16 | 26 53 | 3 19 | 20 21 | 1 37 | 13 20 | 0 56 | 7 52 | 2 17 | 7 44 | 0 35 | 4 24 | 1 52 | 26 54 | 11 54 | 23 25 | 23 20 | 20 35 | 12 4 | 0 9 | |
| S 10 | 18 54 | 1 48 | 4 47 | 25 7 | 2 13 | 26 48 | 3 14 | 20 12 | 1 36 | 13 25 | 0 56 | 7 54 | 2 17 | 7 43 | 0 35 | 4 24 | 1 52 | 26 53 | 11 54 | 23 25 | 23 20 | 20 37 | 12 3 | 0 9 | |
| M11 | 19 8 | 4s 3 | 5 7 | 25 11 | 2 10 | 26 43 | 3 9 | 20 3 | 1 35 | 13 29 | 0 56 | 7 57 | 2 17 | 7 43 | 0 35 | 4 23 | 1 52 | 26 53 | 11 53 | 23 25 | 23 20 | 20 38 | 12 1 | 0 9 | |
| T 12 | 19 21 | 9 52 | 5 8 | 25 13 | 2 5 | 26 37 | 3 4 | 19 54 | 1 34 | 13 33 | 0 56 | 7 59 | 2 17 | 7 42 | 0 35 | 4 23 | 1 52 | 26 52 | 11 53 | 23 25 | 23 20 | 20 40 | 11 59 | 0 9 | |
| W13 | 19 35 | 15 16 | 4 48 | 25 13 | 2 0 | 26 31 | 2 59 | 19 45 | 1 33 | 13 38 | 0 56 | 8 2 | 2 17 | 7 41 | 0 35 | 4 23 | 1 52 | 26 52 | 11 53 | 23 26 | 23 20 | 20 41 | 11 58 | 0 10 | |
| T 14 | 19 48 | 19 48 | 4 8 | 25 12 | 1 55 | 26 25 | 2 53 | 19 36 | 1 32 | 13 42 | 0 56 | 8 4 | 2 17 | 7 40 | 0 35 | 4 22 | 1 51 | 26 51 | 11 52 | 23 26 | 23 21 | 20 42 | 11 56 | 0 10 | |
| F 15 | 20 1 | 23 0 | 3 10 | 25 9 | 1 48 | 26 18 | 2 46 | 19 26 | 1 31 | 13 47 | 0 56 | 8 6 | 2 17 | 7 40 | 0 35 | 4 22 | 1 51 | 26 51 | 11 52 | 23 26 | 23 21 | 20 44 | 11 55 | 0 10 | |
| S 16 | 20 13 | 24 31 | 1 59 | 25 5 | 1 41 | 26 11 | 2 40 | 19 17 | 1 30 | 13 51 | 0 56 | 8 9 | 2 17 | 7 39 | 0 35 | 4 21 | 1 51 | 26 50 | 11 52 | 23 26 | 23 21 | 20 45 | 11 53 | 0 11 | |
| S 17 | 20 25 | 24 15 | 0 41 | 24 59 | 1 32 | 26 4 | 2 32 | 19 7 | 1 29 | 13 56 | 0 56 | 8 11 | 2 17 | 7 38 | 0 35 | 4 21 | 1 51 | 26 50 | 11 52 | 23 26 | 23 21 | 20 47 | 11 52 | 0 11 | |
| M18 | 20 37 | 22 19 | 0n38 | 24 53 | 1 23 | 25 56 | 2 25 | 18 57 | 1 29 | 14 0 | 0 56 | 8 14 | 2 18 | 7 38 | 0 35 | 4 21 | 1 51 | 26 50 | 11 51 | 23 26 | 23 21 | 20 48 | 11 50 | 0 11 | |
| T 19 | 20 49 | 19 2 | 1 53 | 24 44 | 1 14 | 25 48 | 2 17 | 18 47 | 1 28 | 14 4 | 0 56 | 8 16 | 2 18 | 7 37 | 0 35 | 4 20 | 1 51 | 26 49 | 11 51 | 23 26 | 23 21 | 20 50 | 11 49 | 0 11 | |
| W20 | 21 0 | 14 48 | 2 58 | 24 35 | 1 3 | 25 39 | 2 8 | 18 37 | 1 27 | 14 9 | 0 56 | 8 18 | 2 18 | 7 37 | 0 35 | 4 20 | 1 51 | 26 49 | 11 51 | 23 26 | 23 22 | 20 51 | 11 47 | 0 12 | |
| T 21 | 21 10 | 9 59 | 3 52 | 24 25 | 0 52 | 25 30 | 2 0 | 18 27 | 1 26 | 14 13 | 0 56 | 8 20 | 2 18 | 7 36 | 0 34 | 4 20 | 1 51 | 26 48 | 11 51 | 23 26 | 23 22 | 20 52 | 11 46 | 0 12 | |
| F 22 | 21 21 | 4 52 | 4 33 | 24 13 | 0 40 | 25 21 | 1 50 | 18 16 | 1 25 | 14 17 | 0 56 | 8 23 | 2 18 | 7 36 | 0 34 | 4 19 | 1 51 | 26 48 | 11 50 | 23 26 | 23 22 | 20 54 | 11 45 | 0 12 | |
| S 23 | 21 31 | 0n18 | 5 0 | 24 1 | 0 27 | 25 11 | 1 41 | 18 6 | 1 24 | 14 21 | 0 56 | 8 25 | 2 18 | 7 35 | 0 34 | 4 19 | 1 51 | 26 47 | 11 50 | 23 26 | 23 22 | 20 55 | 11 43 | 0 13 | |
| S 24 | 21 40 | 5 21 | 5 12 | 23 48 | 0 14 | 25 1 | 1 31 | 17 56 | 1 23 | 14 25 | 0 56 | 8 27 | 2 18 | 7 34 | 0 34 | 4 19 | 1 51 | 26 46 | 11 50 | 23 26 | 23 22 | 20 56 | 11 42 | 0 13 | |
| M25 | 21 50 | 10 7 | 5 10 | 23 34 | 0s 0 | 24 51 | 1 20 | 17 45 | 1 22 | 14 30 | 0 56 | 8 29 | 2 18 | 7 34 | 0 34 | 4 19 | 1 51 | 26 46 | 11 50 | 23 26 | 23 23 | 20 58 | 11 41 | 0 13 | |
| T 26 | 21 59 | 14 28 | 4 55 | 23 20 | 0 15 | 24 41 | 1 9 | 17 34 | 1 21 | 14 34 | 0 56 | 8 32 | 2 19 | 7 33 | 0 34 | 4 18 | 1 51 | 26 45 | 11 49 | 23 27 | 23 23 | 20 59 | 11 39 | 0 13 | |
| W27 | 22 7 | 18 14 | 4 27 | 23 5 | 0 30 | 24 29 | 0 58 | 17 23 | 1 20 | 14 38 | 0 56 | 8 34 | 2 19 | 7 33 | 0 34 | 4 18 | 1 51 | 26 45 | 11 49 | 23 27 | 23 23 | 21 1 | 11 38 | 0 14 | |
| T 28 | 22 15 | 21 15 | 3 48 | 22 49 | 0 45 | 24 18 | 0 46 | 17 12 | 1 19 | 14 42 | 0 56 | 8 36 | 2 19 | 7 32 | 0 34 | 4 18 | 1 51 | 26 44 | 11 49 | 23 27 | 23 23 | 21 2 | 11 37 | 0 14 | |
| F 29 | 22 23 | 23 23 | 2 59 | 22 33 | 1 1 | 24 6 | 0 34 | 17 1 | 1 19 | 14 46 | 0 56 | 8 38 | 2 19 | 7 32 | 0 34 | 4 18 | 1 51 | 26 44 | 11 49 | 23 27 | 23 23 | 21 3 | 11 36 | 0 14 | |
| S 30 | 22 30 | 24 29 | 2 2 | 22 17 | 1 17 | 23 54 | 0 22 | 16 50 | 1 18 | 14 50 | 0 56 | 8 40 | 2 19 | 7 32 | 0 34 | 4 17 | 1 51 | 26 43 | 11 48 | 23 27 | 23 23 | 21 5 | 11 35 | 0 15 | |
| S 31 | 22n37 | 24n27 | 0n59 | 22n 1 | 1s33 | 23n42 | 0n 9 | 16n39 | 1n17 | 14n54 | 0s56 | 8n42 | 2s19 | 7s31 | 0n34 | 4s17 | 1n51 | 26n43 | 11n48 | 23s27 | 23s24 | 21n 6 | 11s33 | 0n15 | |

Julian Day Number = 2074740.5, Delta T = 27m08s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'44, Lahiri = 9°28'44 Julian Calendar 1 May 968 == Greg. Calendar 6 May 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## JUNE 968 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 58 50 | 15♊ 4'00 | 6♋55 | 0°R 2 | 2°R 0 | 18♌51 | 13♉ 5 | 28♈14 | 20°R28 | 15°R 6 | 18♌ 0 | 5°D36 | 6♑51 | 18♉30 | 0°R41 | M 1 |
| T 2 | 17 2 47 | 16° 1'12 | 19°10 | 29♊50 | 1♋36 | 19°25 | 13°18 | 28°20 | 20♎27 | 15♎ 6 | 18° 1 | 5♑36 | 6°47 | 18°36 | 0♏39 | T 2 |
| W 3 | 17 6 44 | 16°58'24 | 1♌36 | 29°33 | 1° 9 | 19°59 | 13°31 | 28°26 | 20°26 | 15° 5 | 18° 2 | 5°37 | 6°44 | 18°43 | 0°36 | W 3 |
| T 4 | 17 10 40 | 17°55'35 | 14°16 | 29°12 | 0°40 | 20°33 | 13°44 | 28°32 | 20°25 | 15° 4 | 18° 3 | 5°39 | 6°41 | 18°50 | 0°34 | T 4 |
| F 5 | 17 14 37 | 18°52'46 | 27°13 | 28°48 | 0°10 | 21° 7 | 13°57 | 28°38 | 20°24 | 15° 4 | 18° 4 | 5°40 | 6°38 | 18°57 | 0°32 | F 5 |
| S 6 | 17 18 33 | 19°49'56 | 10♍28 | 28°20 | 29♊38 | 21°42 | 14° 9 | 28°44 | 20°23 | 15° 3 | 18° 6 | 5°41 | 6°35 | 19° 3 | 0°30 | S 6 |
| S 7 | 17 22 30 | 20°47'06 | 24° 5 | 27°50 | 29° 4 | 22°16 | 14°22 | 28°50 | 20°22 | 15° 3 | 18° 7 | 5°R41 | 6°31 | 19°10 | 0°29 | S 7 |
| M 8 | 17 26 26 | 21°44'15 | 8♎ 3 | 27°17 | 28°29 | 22°50 | 14°35 | 28°55 | 20°22 | 15° 3 | 18° 8 | 5°40 | 6°28 | 19°17 | 0°27 | M 8 |
| T 9 | 17 30 23 | 22°41'24 | 22°23 | 26°43 | 27°54 | 23°25 | 14°47 | 29° 1 | 20°21 | 15° 2 | 18° 9 | 5°39 | 6°25 | 19°23 | 0°25 | T 9 |
| W10 | 17 34 19 | 23°38'32 | 7♏ 1 | 26° 7 | 27°17 | 23°59 | 15° 0 | 29° 7 | 20°20 | 15° 2 | 18°11 | 5°38 | 6°22 | 19°30 | 0°24 | W10 |
| T 11 | 17 38 16 | 24°35'41 | 21°53 | 25°31 | 26°40 | 24°34 | 15°12 | 29°12 | 20°19 | 15° 1 | 18°12 | 5°37 | 6°19 | 19°37 | 0°22 | T 11 |
| F 12 | 17 42 13 | 25°32'49 | 6♐52 | 24°54 | 26° 2 | 25° 9 | 15°25 | 29°18 | 20°19 | 15° 1 | 18°13 | 5°36 | 6°16 | 19°43 | 0°21 | F 12 |
| S 13 | 17 46 9 | 26°29'57 | 21°50 | 24°18 | 25°25 | 25°44 | 15°37 | 29°23 | 20°18 | 15° 1 | 18°15 | 5°35 | 6°12 | 19°50 | 0°20 | S 13 |
| S 14 | 17 50 6 | 27°27'05 | 6♑37 | 23°44 | 24°47 | 26°19 | 15°49 | 29°28 | 20°18 | 15° 1 | 18°16 | 5°D35 | 6° 9 | 19°57 | 0°19 | S 14 |
| M15 | 17 54 2 | 28°24'13 | 21° 8 | 23°11 | 24°10 | 26°54 | 16° 2 | 29°33 | 20°17 | 15° 0 | 18°17 | 5°35 | 6° 6 | 20° 3 | 0°18 | M15 |
| T 16 | 17 57 59 | 29°21'22 | 5♒17 | 22°40 | 23°34 | 27°29 | 16°14 | 29°39 | 20°17 | 15° 0 | 18°19 | 5°36 | 6° 3 | 20°10 | 0°17 | T 16 |
| W17 | 18 1 55 | 0♋18'30 | 19° 1 | 22°13 | 22°58 | 28° 4 | 16°26 | 29°44 | 20°17 | 15° 0 | 18°20 | 5°36 | 6° 0 | 20°17 | 0°16 | W17 |
| T 18 | 18 5 52 | 1°15'39 | 2♓19 | 21°49 | 22°24 | 28°39 | 16°38 | 29°49 | 20°16 | 15° 0 | 18°22 | 5°37 | 5°57 | 20°23 | 0°15 | T 18 |
| F 19 | 18 9 49 | 2°12'49 | 15°13 | 21°29 | 21°51 | 29°15 | 16°50 | 29°54 | 20°16 | 15° 0 | 18°23 | 5°37 | 5°53 | 20°30 | 0°15 | F 19 |
| S 20 | 18 13 45 | 3° 9'59 | 27°47 | 21°13 | 21°19 | 29°50 | 17° 2 | 29°58 | 20°16 | 15° 0 | 18°25 | 5°37 | 5°50 | 20°37 | 0°14 | S 20 |
| S 21 | 18 17 42 | 4° 7'09 | 10♈ 3 | 21° 1 | 20°49 | 0♍26 | 17°13 | 0♉ 3 | 20°16 | 15°D 0 | 18°26 | 5°R37 | 5°47 | 20°44 | 0°14 | S 21 |
| M22 | 18 21 38 | 5° 4'20 | 22° 6 | 20°55 | 20°21 | 1° 1 | 17°25 | 0° 8 | 20°16 | 15° 0 | 18°28 | 5°37 | 5°44 | 20°50 | 0°13 | M22 |
| T 23 | 18 25 35 | 6° 1'32 | 4♉ 0 | 20°D53 | 19°54 | 1°37 | 17°37 | 0°12 | 20°D16 | 15° 0 | 18°29 | 5°D37 | 5°41 | 20°57 | 0°13 | T 23 |
| W24 | 18 29 31 | 6°58'44 | 15°51 | 20°57 | 19°30 | 2°13 | 17°48 | 0°17 | 20°16 | 15° 0 | 18°31 | 5°37 | 5°37 | 21° 4 | 0°D13 | W24 |
| T 25 | 18 33 28 | 7°55'57 | 27°41 | 21° 7 | 19° 8 | 2°49 | 17°59 | 0°21 | 20°16 | 15° 0 | 18°33 | 5°37 | 5°34 | 21°10 | 0°13 | T 25 |
| F 26 | 18 37 24 | 8°53'10 | 9♊34 | 21°21 | 18°48 | 3°25 | 18°11 | 0°26 | 20°16 | 15° 0 | 18°34 | 5°38 | 5°31 | 21°17 | 0°13 | F 26 |
| S 27 | 18 41 21 | 9°50'24 | 21°34 | 21°42 | 18°30 | 4° 1 | 18°22 | 0°30 | 20°16 | 15° 0 | 18°36 | 5°38 | 5°28 | 21°24 | 0°13 | S 27 |
| S 28 | 18 45 18 | 10°47'39 | 3♋42 | 22° 8 | 18°15 | 4°37 | 18°33 | 0°34 | 20°16 | 15° 1 | 18°37 | 5°R38 | 5°25 | 21°30 | 0°14 | S 28 |
| M29 | 18 49 14 | 11°44'54 | 16° 1 | 22°39 | 18° 2 | 5°13 | 18°44 | 0°38 | 20°16 | 15° 1 | 18°39 | 5°38 | 5°22 | 21°37 | 0°14 | M29 |
| T 30 | 18 53 11 | 12♋42'10 | 28♋32 | 23♊16 | 17♊52 | 5♍49 | 18♉55 | 0♉43 | 20♎17 | 15♎ 1 | 18♌41 | 5♑37 | 5♑18 | 21♉44 | 0♏15 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n44 | 23n16 | 0s 7 | 21n45 | 1s50 | 23n29 | 0s 4 | 16n27 | 1n16 | 14n58 | 0s56 | 8n44 | 2s19 | 7s31 | 0n34 | 4s17 | 1n51 | 26n42 | 11n48 | 23s27 | 23s24 | 21n 7 | 11s32 | 0n15 |
| T 2 | 22 50 | 20 58 | 1 14 | 21 28 | 2 6 | 23 16 | 0 18 | 16 16 | 1 15 | 15 2 | 0 56 | 8 46 | 2 20 | 7 30 | 0 34 | 4 17 | 1 51 | 26 41 | 11 48 | 23 27 | 23 24 | 21 9 | 11 31 | 0 15 |
| W 3 | 22 56 | 17 40 | 2 19 | 21 12 | 2 23 | 23 3 | 0 31 | 16 4 | 1 14 | 15 6 | 0 56 | 8 48 | 2 20 | 7 30 | 0 34 | 4 17 | 1 51 | 26 41 | 11 47 | 23 27 | 23 24 | 21 10 | 11 30 | 0 16 |
| T 4 | 23 1 | 13 29 | 3 18 | 20 56 | 2 39 | 22 49 | 0 45 | 15 53 | 1 13 | 15 9 | 0 56 | 8 50 | 2 20 | 7 30 | 0 34 | 4 16 | 1 50 | 26 40 | 11 47 | 23 27 | 23 24 | 21 11 | 11 29 | 0 16 |
| F 5 | 23 6 | 8 37 | 4 8 | 20 40 | 2 54 | 22 35 | 0 59 | 15 41 | 1 12 | 15 13 | 0 56 | 8 52 | 2 20 | 7 29 | 0 34 | 4 16 | 1 50 | 26 40 | 11 47 | 23 27 | 23 24 | 21 13 | 11 28 | 0 16 |
| S 6 | 23 11 | 3 16 | 4 46 | 20 24 | 3 9 | 22 21 | 1 13 | 15 29 | 1 12 | 15 17 | 0 56 | 8 54 | 2 20 | 7 29 | 0 34 | 4 16 | 1 50 | 26 39 | 11 47 | 23 27 | 23 25 | 21 14 | 11 27 | 0 16 |
| S 7 | 23 15 | 2s22 | 5 10 | 20 10 | 3 24 | 22 7 | 1 27 | 15 17 | 1 11 | 15 21 | 0 56 | 8 56 | 2 20 | 7 29 | 0 34 | 4 16 | 1 50 | 26 38 | 11 46 | 23 27 | 23 25 | 21 15 | 11 27 | 0 17 |
| M 8 | 23 19 | 8 3 | 5 16 | 19 55 | 3 37 | 21 52 | 1 42 | 15 5 | 1 10 | 15 25 | 0 56 | 8 58 | 2 21 | 7 28 | 0 34 | 4 16 | 1 50 | 26 38 | 11 46 | 23 27 | 23 25 | 21 17 | 11 26 | 0 17 |
| T 9 | 23 22 | 13 26 | 5 3 | 19 42 | 3 50 | 21 38 | 1 56 | 14 53 | 1 9 | 15 28 | 0 56 | 9 0 | 2 21 | 7 28 | 0 34 | 4 16 | 1 50 | 26 37 | 11 46 | 23 27 | 23 25 | 21 18 | 11 25 | 0 17 |
| W10 | 23 25 | 18 11 | 4 30 | 19 30 | 4 1 | 21 23 | 2 10 | 14 40 | 1 8 | 15 32 | 0 56 | 9 1 | 2 21 | 7 28 | 0 34 | 4 16 | 1 50 | 26 37 | 11 46 | 23 27 | 23 25 | 21 19 | 11 24 | 0 17 |
| T 11 | 23 28 | 21 52 | 3 39 | 19 19 | 4 11 | 21 8 | 2 24 | 14 28 | 1 7 | 15 36 | 0 56 | 9 3 | 2 21 | 7 28 | 0 34 | 4 16 | 1 50 | 26 36 | 11 46 | 23 27 | 23 25 | 21 20 | 11 23 | 0 18 |
| F 12 | 23 30 | 24 5 | 2 33 | 19 9 | 4 20 | 20 54 | 2 37 | 14 15 | 1 7 | 15 39 | 0 56 | 9 5 | 2 21 | 7 28 | 0 34 | 4 15 | 1 50 | 26 35 | 11 45 | 23 27 | 23 25 | 21 22 | 11 23 | 0 18 |
| S 13 | 23 32 | 24 35 | 1 16 | 19 0 | 4 27 | 20 39 | 2 51 | 14 3 | 1 6 | 15 43 | 0 56 | 9 7 | 2 21 | 7 27 | 0 34 | 4 15 | 1 50 | 26 35 | 11 45 | 23 27 | 23 26 | 21 23 | 11 22 | 0 18 |
| S 14 | 23 33 | 23 19 | 0n 6 | 18 53 | 4 33 | 20 25 | 3 4 | 13 50 | 1 5 | 15 46 | 0 56 | 9 8 | 2 22 | 7 27 | 0 34 | 4 15 | 1 50 | 26 34 | 11 45 | 23 27 | 23 26 | 21 24 | 11 21 | 0 18 |
| M15 | 23 34 | 20 30 | 1 25 | 18 47 | 4 37 | 20 11 | 3 16 | 13 37 | 1 4 | 15 50 | 0 56 | 9 10 | 2 22 | 7 27 | 0 34 | 4 15 | 1 50 | 26 33 | 11 45 | 23 27 | 23 26 | 21 25 | 11 21 | 0 19 |
| T 16 | 23 34 | 16 30 | 2 37 | 18 43 | 4 40 | 19 57 | 3 28 | 13 24 | 1 3 | 15 53 | 0 56 | 9 12 | 2 22 | 7 27 | 0 34 | 4 15 | 1 50 | 26 33 | 11 45 | 23 27 | 23 26 | 21 27 | 11 20 | 0 19 |
| W17 | 23 34 | 11 45 | 3 38 | 18 40 | 4 41 | 19 43 | 3 40 | 13 11 | 1 2 | 15 57 | 0 56 | 9 13 | 2 22 | 7 27 | 0 34 | 4 15 | 1 50 | 26 32 | 11 44 | 23 27 | 23 26 | 21 28 | 11 20 | 0 19 |
| T 18 | 23 34 | 6 35 | 4 25 | 18 39 | 4 40 | 19 30 | 3 51 | 12 58 | 1 2 | 16 0 | 0 56 | 9 15 | 2 22 | 7 27 | 0 34 | 4 15 | 1 50 | 26 31 | 11 44 | 23 27 | 23 26 | 21 29 | 11 19 | 0 19 |
| F 19 | 23 33 | 1 17 | 4 58 | 18 40 | 4 39 | 19 18 | 4 2 | 12 45 | 1 1 | 16 3 | 0 56 | 9 16 | 2 23 | 7 27 | 0 34 | 4 15 | 1 50 | 26 31 | 11 44 | 23 27 | 23 26 | 21 30 | 11 19 | 0 20 |
| S 20 | 23 32 | 3n55 | 5 14 | 18 42 | 4 35 | 19 6 | 4 12 | 12 32 | 1 0 | 16 7 | 0 56 | 9 18 | 2 23 | 7 27 | 0 33 | 4 15 | 1 50 | 26 30 | 11 44 | 23 27 | 23 27 | 21 32 | 11 18 | 0 20 |
| S 21 | 23 31 | 8 50 | 5 16 | 18 46 | 4 30 | 18 54 | 4 22 | 12 18 | 0 59 | 16 10 | 0 57 | 9 19 | 2 23 | 7 27 | 0 33 | 4 15 | 1 50 | 26 30 | 11 44 | 23 27 | 23 27 | 21 33 | 11 18 | 0 20 |
| M22 | 23 29 | 13 21 | 5 4 | 18 52 | 4 24 | 18 43 | 4 31 | 12 5 | 0 58 | 16 13 | 0 57 | 9 21 | 2 23 | 7 27 | 0 33 | 4 15 | 1 49 | 26 29 | 11 43 | 23 27 | 23 27 | 21 34 | 11 18 | 0 20 |
| T 23 | 23 26 | 17 18 | 4 39 | 18 59 | 4 17 | 18 33 | 4 39 | 11 51 | 0 58 | 16 16 | 0 57 | 9 22 | 2 23 | 7 27 | 0 33 | 4 16 | 1 49 | 26 28 | 11 43 | 23 27 | 23 27 | 21 35 | 11 17 | 0 21 |
| W24 | 23 23 | 20 32 | 4 3 | 19 8 | 4 9 | 18 23 | 4 47 | 11 38 | 0 57 | 16 20 | 0 57 | 9 24 | 2 24 | 7 27 | 0 33 | 4 16 | 1 49 | 26 28 | 11 43 | 23 27 | 23 27 | 21 36 | 11 17 | 0 21 |
| T 25 | 23 20 | 22 55 | 3 15 | 19 17 | 3 59 | 18 15 | 4 54 | 11 24 | 0 56 | 16 23 | 0 57 | 9 25 | 2 24 | 7 27 | 0 33 | 4 16 | 1 49 | 26 27 | 11 43 | 23 27 | 23 27 | 21 38 | 11 17 | 0 21 |
| F 26 | 23 16 | 24 19 | 2 20 | 19 29 | 3 49 | 18 6 | 5 0 | 11 10 | 0 55 | 16 26 | 0 57 | 9 26 | 2 24 | 7 27 | 0 33 | 4 16 | 1 49 | 26 26 | 11 43 | 23 27 | 23 27 | 21 39 | 11 17 | 0 21 |
| S 27 | 23 12 | 24 35 | 1 17 | 19 41 | 3 38 | 17 59 | 5 6 | 10 56 | 0 54 | 16 29 | 0 57 | 9 28 | 2 24 | 7 27 | 0 33 | 4 16 | 1 49 | 26 25 | 11 43 | 23 27 | 23 28 | 21 40 | 11 16 | 0 22 |
| S 28 | 23 8 | 23 42 | 0 11 | 19 54 | 3 26 | 17 52 | 5 12 | 10 42 | 0 54 | 16 32 | 0 57 | 9 29 | 2 24 | 7 27 | 0 33 | 4 16 | 1 49 | 26 25 | 11 43 | 23 27 | 23 28 | 21 41 | 11 16 | 0 22 |
| M29 | 23 3 | 21 39 | 0s57 | 20 8 | 3 14 | 17 47 | 5 17 | 10 28 | 0 53 | 16 35 | 0 57 | 9 30 | 2 25 | 7 27 | 0 33 | 4 16 | 1 49 | 26 24 | 11 42 | 23 27 | 23 28 | 21 42 | 11 16 | 0 22 |
| T 30 | 22n58 | 18n33 | 2s 4 | 20n23 | 3s 1 | 17n41 | 5s21 | 10n14 | 0n52 | 16n38 | 0s57 | 9n31 | 2s25 | 7s27 | 0n33 | 4s16 | 1n49 | 26n23 | 11n42 | 23s27 | 23s28 | 21n43 | 11s16 | 0n22 |

Julian Day Number = 2074771.5, Delta T = 27m07s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'48, Lahiri = 9°28'48 Julian Calendar 1 June 968 == Greg. Calendar 6 June 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## JULY 968 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 57 7 | 13♋39'27 | 11♌16 | 23♊59 | 17°R43 | 6♍25 | 19♉ 6 | 0♉46 | 20♎17 | 15♎ 1 | 18♌42 | 5°R37 | 5♑15 | 21♉50 | 0♏15 | W 1 |
| T 2 | 19 1 4 | 14°36'43 | 24°14 | 24°47 | 17♊38 | 7° 2 | 19°17 | 0°50 | 20°18 | 15° 2 | 18°44 | 5♑36 | 5°12 | 21°57 | 0°16 | T 2 |
| F 3 | 19 5 0 | 15°34'01 | 7♍26 | 25°41 | 17°34 | 7°38 | 19°28 | 0°54 | 20°18 | 15° 2 | 18°46 | 5°34 | 5° 9 | 22° 4 | 0°17 | F 3 |
| S 4 | 19 8 57 | 16°31'18 | 20°53 | 26°40 | 17°D33 | 8°15 | 19°38 | 0°58 | 20°19 | 15° 2 | 18°48 | 5°33 | 5° 6 | 22°10 | 0°18 | S 4 |
| S 5 | 19 12 53 | 17°28'36 | 4♎35 | 27°44 | 17°34 | 8°52 | 19°49 | 1° 1 | 20°19 | 15° 3 | 18°49 | 5°33 | 5° 3 | 22°17 | 0°19 | S 5 |
| M 6 | 19 16 50 | 18°25'55 | 18°30 | 28°53 | 17°38 | 9°28 | 19°59 | 1° 5 | 20°20 | 15° 3 | 18°51 | 5°D32 | 4°59 | 22°24 | 0°20 | M 6 |
| T 7 | 19 20 47 | 19°23'14 | 2♏40 | 0♋ 7 | 17°43 | 10° 5 | 20° 9 | 1° 8 | 20°21 | 15° 4 | 18°53 | 5°33 | 4°56 | 22°30 | 0°21 | T 7 |
| W 8 | 19 24 43 | 20°20'34 | 17° 1 | 1°27 | 17°51 | 10°42 | 20°20 | 1°12 | 20°21 | 15° 4 | 18°55 | 5°33 | 4°53 | 22°37 | 0°23 | W 8 |
| T 9 | 19 28 40 | 21°17'54 | 1♐30 | 2°51 | 18° 1 | 11°19 | 20°30 | 1°15 | 20°22 | 15° 5 | 18°57 | 5°34 | 4°50 | 22°44 | 0°24 | T 9 |
| F 10 | 19 32 36 | 22°15'15 | 16° 5 | 4°20 | 18°13 | 11°56 | 20°40 | 1°18 | 20°23 | 15° 5 | 18°58 | 5°35 | 4°47 | 22°51 | 0°26 | F 10 |
| S 11 | 19 36 33 | 23°12'36 | 0♑39 | 5°53 | 18°27 | 12°33 | 20°49 | 1°21 | 20°24 | 15° 6 | 19° 0 | 5°R36 | 4°43 | 22°57 | 0°27 | S 11 |
| S 12 | 19 40 29 | 24° 9'59 | 15° 7 | 7°30 | 18°43 | 13°10 | 20°59 | 1°24 | 20°25 | 15° 7 | 19° 2 | 5°36 | 4°40 | 23° 4 | 0°29 | S 12 |
| M13 | 19 44 26 | 25° 7'22 | 29°24 | 9°12 | 19° 1 | 13°47 | 21° 9 | 1°27 | 20°26 | 15° 7 | 19° 4 | 5°35 | 4°37 | 23°11 | 0°31 | M13 |
| T 14 | 19 48 22 | 26° 4'46 | 13♒24 | 10°57 | 19°21 | 14°25 | 21°18 | 1°30 | 20°27 | 15° 8 | 19° 6 | 5°33 | 4°34 | 23°17 | 0°33 | T 14 |
| W15 | 19 52 19 | 27° 2'12 | 27° 4 | 12°45 | 19°43 | 15° 2 | 21°28 | 1°32 | 20°28 | 15° 9 | 19° 8 | 5°30 | 4°31 | 23°24 | 0°35 | W15 |
| T 16 | 19 56 16 | 27°59'38 | 10♓22 | 14°36 | 20° 6 | 15°39 | 21°37 | 1°35 | 20°29 | 15°10 | 19°10 | 5°27 | 4°28 | 23°31 | 0°37 | T 16 |
| F 17 | 20 0 12 | 28°57'06 | 23°18 | 16°30 | 20°31 | 16°17 | 21°46 | 1°37 | 20°30 | 15°10 | 19°12 | 5°24 | 4°24 | 23°37 | 0°39 | F 17 |
| S 18 | 20 4 9 | 29°54'35 | 5♈53 | 18°27 | 20°58 | 16°54 | 21°55 | 1°40 | 20°32 | 15°11 | 19°13 | 5°21 | 4°21 | 23°44 | 0°42 | S 18 |
| S 19 | 20 8 5 | 0♌52'06 | 18°11 | 20°25 | 21°26 | 17°32 | 22° 4 | 1°42 | 20°33 | 15°12 | 19°15 | 5°19 | 4°18 | 23°51 | 0°44 | S 19 |
| M20 | 20 12 2 | 1°49'38 | 0♉15 | 22°25 | 21°55 | 18°10 | 22°13 | 1°44 | 20°34 | 15°13 | 19°17 | 5°D18 | 4°15 | 23°57 | 0°47 | M20 |
| T 21 | 20 15 58 | 2°47'11 | 12°10 | 24°26 | 22°27 | 18°48 | 22°21 | 1°46 | 20°36 | 15°14 | 19°19 | 5°19 | 4°12 | 24° 4 | 0°50 | T 21 |
| W22 | 20 19 55 | 3°44'46 | 24° 0 | 26°28 | 22°59 | 19°25 | 22°30 | 1°48 | 20°37 | 15°15 | 19°21 | 5°20 | 4° 9 | 24°11 | 0°52 | W22 |
| T 23 | 20 23 51 | 4°42'23 | 5♊52 | 28°30 | 23°33 | 20° 3 | 22°38 | 1°50 | 20°39 | 15°16 | 19°23 | 5°22 | 4° 5 | 24°17 | 0°55 | T 23 |
| F 24 | 20 27 48 | 5°40'01 | 17°48 | 0♌33 | 24° 8 | 20°41 | 22°47 | 1°52 | 20°40 | 15°17 | 19°25 | 5°23 | 4° 2 | 24°24 | 0°58 | F 24 |
| S 25 | 20 31 45 | 6°37'40 | 29°53 | 2°36 | 24°45 | 21°19 | 22°55 | 1°53 | 20°42 | 15°18 | 19°27 | 5°R24 | 3°59 | 24°31 | 1° 1 | S 25 |
| S 26 | 20 35 41 | 7°35'21 | 12♋11 | 4°38 | 25°22 | 21°58 | 23° 3 | 1°55 | 20°43 | 15°19 | 19°29 | 5°24 | 3°56 | 24°37 | 1° 4 | S 26 |
| M27 | 20 39 38 | 8°33'04 | 24°44 | 6°40 | 26° 1 | 22°36 | 23°11 | 1°56 | 20°45 | 15°20 | 19°31 | 5°23 | 3°53 | 24°44 | 1° 8 | M27 |
| T 28 | 20 43 34 | 9°30'47 | 7♌34 | 8°41 | 26°41 | 23°14 | 23°18 | 1°58 | 20°47 | 15°21 | 19°33 | 5°20 | 3°49 | 24°51 | 1°11 | T 28 |
| W29 | 20 47 31 | 10°28'33 | 20°40 | 10°42 | 27°22 | 23°52 | 23°26 | 1°59 | 20°49 | 15°22 | 19°35 | 5°15 | 3°46 | 24°57 | 1°14 | W29 |
| T 30 | 20 51 27 | 11°26'19 | 4♍ 2 | 12°41 | 28° 4 | 24°31 | 23°33 | 2° 0 | 20°50 | 15°24 | 19°37 | 5°10 | 3°43 | 25° 4 | 1°18 | T 30 |
| F 31 | 20 55 24 | 12♌24'07 | 17♍38 | 14♌40 | 28♊47 | 25♍ 9 | 23♉41 | 2♉ 1 | 20♎52 | 15♎25 | 19♌39 | 5♑ 4 | 3♑40 | 25♉11 | 1♏21 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n52 | 14n32 | 3s 5 | 20n39 | 2s48 | 17n37 | 5s25 | 10n 0 | 0n51 | 16n41 | 0s57 | 9n32 | 2s25 | 7s28 | 0n33 | 4s17 | 1n49 | 26n23 | 11n42 | 23s27 | 23s28 | 21n45 | 11s16 | 0n23 |
| T 2 | 22 46 | 9 47 | 3 58 | 20 55 | 2 34 | 17 33 | 5 28 | 9 45 | 0 50 | 16 44 | 0 57 | 9 34 | 2 25 | 7 28 | 0 33 | 4 17 | 1 49 | 26 22 | 11 42 | 23 27 | 23 28 | 21 46 | 11 16 | 0 23 |
| F 3 | 22 40 | 4 30 | 4 39 | 21 11 | 2 20 | 17 30 | 5 30 | 9 31 | 0 50 | 16 47 | 0 57 | 9 35 | 2 26 | 7 28 | 0 33 | 4 17 | 1 49 | 26 21 | 11 42 | 23 27 | 23 28 | 21 47 | 11 16 | 0 23 |
| S 4 | 22 33 | 1s 3 | 5 6 | 21 27 | 2 5 | 17 28 | 5 33 | 9 17 | 0 49 | 16 49 | 0 57 | 9 36 | 2 26 | 7 28 | 0 33 | 4 17 | 1 49 | 26 21 | 11 42 | 23 27 | 23 28 | 21 48 | 11 16 | 0 23 |
| S 5 | 22 25 | 6 40 | 5 16 | 21 42 | 1 51 | 17 26 | 5 34 | 9 2 | 0 48 | 16 52 | 0 57 | 9 37 | 2 26 | 7 28 | 0 33 | 4 17 | 1 49 | 26 20 | 11 42 | 23 27 | 23 29 | 21 49 | 11 17 | 0 24 |
| M 6 | 22 18 | 12 2 | 5 8 | 21 58 | 1 36 | 17 25 | 5 36 | 8 48 | 0 47 | 16 55 | 0 57 | 9 38 | 2 26 | 7 29 | 0 33 | 4 18 | 1 49 | 26 19 | 11 42 | 23 27 | 23 29 | 21 50 | 11 17 | 0 24 |
| T 7 | 22 10 | 16 52 | 4 42 | 22 12 | 1 22 | 17 25 | 5 37 | 8 33 | 0 47 | 16 58 | 0 57 | 9 39 | 2 27 | 7 29 | 0 33 | 4 18 | 1 49 | 26 19 | 11 41 | 23 27 | 23 29 | 21 51 | 11 17 | 0 24 |
| W 8 | 22 1 | 20 48 | 3 57 | 22 26 | 1 8 | 17 25 | 5 37 | 8 18 | 0 46 | 17 0 | 0 57 | 9 40 | 2 27 | 7 29 | 0 33 | 4 18 | 1 49 | 26 18 | 11 41 | 23 27 | 23 29 | 21 53 | 11 17 | 0 24 |
| T 9 | 21 53 | 23 28 | 2 58 | 22 39 | 0 53 | 17 26 | 5 37 | 8 3 | 0 45 | 17 3 | 0 57 | 9 41 | 2 27 | 7 30 | 0 33 | 4 18 | 1 49 | 26 17 | 11 41 | 23 27 | 23 29 | 21 54 | 11 18 | 0 24 |
| F 10 | 21 43 | 24 36 | 1 46 | 22 51 | 0 39 | 17 27 | 5 37 | 7 48 | 0 44 | 17 6 | 0 58 | 9 41 | 2 27 | 7 30 | 0 33 | 4 19 | 1 48 | 26 17 | 11 41 | 23 27 | 23 29 | 21 55 | 11 18 | 0 25 |
| S 11 | 21 34 | 24 2 | 0 27 | 23 1 | 0 26 | 17 29 | 5 36 | 7 33 | 0 43 | 17 8 | 0 58 | 9 42 | 2 27 | 7 30 | 0 33 | 4 19 | 1 48 | 26 16 | 11 41 | 23 27 | 23 29 | 21 56 | 11 18 | 0 25 |
| S 12 | 21 24 | 21 51 | 0n52 | 23 9 | 0 13 | 17 31 | 5 35 | 7 18 | 0 43 | 17 11 | 0 58 | 9 43 | 2 28 | 7 31 | 0 33 | 4 19 | 1 48 | 26 15 | 11 41 | 23 27 | 23 29 | 21 57 | 11 19 | 0 25 |
| M13 | 21 14 | 18 19 | 2 8 | 23 15 | 0n 0 | 17 34 | 5 34 | 7 3 | 0 42 | 17 13 | 0 58 | 9 44 | 2 28 | 7 31 | 0 33 | 4 20 | 1 48 | 26 15 | 11 41 | 23 27 | 23 30 | 21 58 | 11 19 | 0 25 |
| T 14 | 21 3 | 13 48 | 3 14 | 23 20 | 0 12 | 17 37 | 5 32 | 6 48 | 0 41 | 17 15 | 0 58 | 9 45 | 2 28 | 7 32 | 0 33 | 4 20 | 1 48 | 26 14 | 11 41 | 23 27 | 23 30 | 21 59 | 11 20 | 0 26 |
| W15 | 20 52 | 8 42 | 4 7 | 23 21 | 0 24 | 17 41 | 5 31 | 6 33 | 0 40 | 17 18 | 0 58 | 9 45 | 2 28 | 7 32 | 0 33 | 4 20 | 1 48 | 26 13 | 11 41 | 23 27 | 23 30 | 22 0 | 11 20 | 0 26 |
| T 16 | 20 41 | 3 20 | 4 45 | 23 21 | 0 35 | 17 44 | 5 29 | 6 18 | 0 40 | 17 20 | 0 58 | 9 46 | 2 29 | 7 33 | 0 33 | 4 21 | 1 48 | 26 13 | 11 41 | 23 28 | 23 30 | 22 1 | 11 21 | 0 26 |
| F 17 | 20 29 | 2n 2 | 5 7 | 23 18 | 0 45 | 17 48 | 5 26 | 6 2 | 0 39 | 17 22 | 0 58 | 9 47 | 2 29 | 7 33 | 0 32 | 4 21 | 1 48 | 26 12 | 11 41 | 23 28 | 23 30 | 22 2 | 11 21 | 0 26 |
| S 18 | 20 17 | 7 9 | 5 14 | 23 12 | 0 55 | 17 53 | 5 24 | 5 47 | 0 38 | 17 25 | 0 58 | 9 47 | 2 29 | 7 34 | 0 32 | 4 21 | 1 48 | 26 11 | 11 41 | 23 28 | 23 30 | 22 3 | 11 22 | 0 26 |
| S 19 | 20 5 | 11 53 | 5 7 | 23 4 | 1 4 | 17 57 | 5 21 | 5 32 | 0 37 | 17 27 | 0 58 | 9 48 | 2 29 | 7 34 | 0 32 | 4 22 | 1 48 | 26 10 | 11 41 | 23 28 | 23 30 | 22 4 | 11 23 | 0 27 |
| M20 | 19 52 | 16 4 | 4 45 | 22 52 | 1 12 | 18 2 | 5 18 | 5 16 | 0 37 | 17 29 | 0 58 | 9 48 | 2 30 | 7 35 | 0 32 | 4 22 | 1 48 | 26 10 | 11 41 | 23 28 | 23 30 | 22 6 | 11 23 | 0 27 |
| T 21 | 19 39 | 19 34 | 4 12 | 22 39 | 1 19 | 18 7 | 5 15 | 5 1 | 0 36 | 17 31 | 0 58 | 9 49 | 2 30 | 7 35 | 0 32 | 4 22 | 1 48 | 26 9 | 11 41 | 23 28 | 23 30 | 22 7 | 11 24 | 0 27 |
| W22 | 19 25 | 22 14 | 3 28 | 22 22 | 1 25 | 18 12 | 5 11 | 4 45 | 0 35 | 17 33 | 0 58 | 9 49 | 2 30 | 7 36 | 0 32 | 4 23 | 1 48 | 26 8 | 11 40 | 23 28 | 23 30 | 22 8 | 11 25 | 0 27 |
| T 23 | 19 12 | 23 57 | 2 35 | 22 3 | 1 30 | 18 17 | 5 8 | 4 29 | 0 34 | 17 35 | 0 59 | 9 50 | 2 30 | 7 36 | 0 32 | 4 23 | 1 48 | 26 8 | 11 40 | 23 28 | 23 31 | 22 9 | 11 26 | 0 28 |
| F 24 | 18 58 | 24 35 | 1 35 | 21 41 | 1 35 | 18 23 | 5 4 | 4 14 | 0 34 | 17 37 | 0 59 | 9 50 | 2 31 | 7 37 | 0 32 | 4 24 | 1 48 | 26 7 | 11 40 | 23 28 | 23 31 | 22 10 | 11 26 | 0 28 |
| S 25 | 18 43 | 24 5 | 0 30 | 21 18 | 1 39 | 18 28 | 5 0 | 3 58 | 0 33 | 17 39 | 0 59 | 9 50 | 2 31 | 7 38 | 0 32 | 4 24 | 1 48 | 26 6 | 11 40 | 23 28 | 23 31 | 22 11 | 11 27 | 0 28 |
| S 26 | 18 29 | 22 24 | 0s37 | 20 51 | 1 42 | 18 33 | 4 57 | 3 42 | 0 32 | 17 41 | 0 59 | 9 51 | 2 31 | 7 38 | 0 32 | 4 25 | 1 48 | 26 6 | 11 40 | 23 28 | 23 31 | 22 12 | 11 28 | 0 28 |
| M27 | 18 14 | 19 36 | 1 44 | 20 23 | 1 44 | 18 38 | 4 52 | 3 26 | 0 32 | 17 43 | 0 59 | 9 51 | 2 31 | 7 39 | 0 32 | 4 25 | 1 48 | 26 5 | 11 40 | 23 28 | 23 31 | 22 13 | 11 29 | 0 28 |
| T 28 | 17 58 | 15 48 | 2 46 | 19 53 | 1 46 | 18 44 | 4 48 | 3 10 | 0 31 | 17 45 | 0 59 | 9 51 | 2 32 | 7 40 | 0 32 | 4 26 | 1 47 | 26 5 | 11 40 | 23 28 | 23 31 | 22 14 | 11 30 | 0 29 |
| W29 | 17 43 | 11 11 | 3 42 | 19 21 | 1 46 | 18 49 | 4 44 | 2 54 | 0 30 | 17 47 | 0 59 | 9 51 | 2 32 | 7 40 | 0 32 | 4 26 | 1 47 | 26 4 | 11 40 | 23 28 | 23 31 | 22 15 | 11 31 | 0 29 |
| T 30 | 17 27 | 5 57 | 4 26 | 18 48 | 1 46 | 18 54 | 4 39 | 2 38 | 0 29 | 17 49 | 0 59 | 9 51 | 2 32 | 7 41 | 0 32 | 4 27 | 1 47 | 26 3 | 11 40 | 23 28 | 23 31 | 22 16 | 11 32 | 0 29 |
| F 31 | 17n11 | 0n22 | 4s56 | 18n13 | 1n46 | 18n59 | 4s35 | 2n22 | 0n29 | 17n50 | 0s59 | 9n51 | 2s32 | 7s42 | 0n32 | 4s27 | 1n47 | 26n 3 | 11n41 | 23s29 | 23s31 | 22n17 | 11s33 | 0n29 |

Julian Day Number = 2074801.5, Delta T = 27m07s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'52, Lahiri = 9°28'52 Julian Calendar 1 July 968 == Greg. Calendar 6 July 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## AUGUST 968 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 59 20 | 13♌21'56 | 1♎25 | 16♌37 | 29♊31 | 25♍48 | 23♉48 | 2♉ 2 | 20♎54 | 15♎26 | 19♌41 | 4°R58 | 3♏37 | 25♉17 | 1♏25 | S 1 |
| S 2 | 21 3 17 | 14°19'47 | 15°22 | 18°33 | 0♋15 | 26°27 | 23°55 | 2° 3 | 20°56 | 15°27 | 19°43 | 4♏54 | 3°34 | 25°24 | 1°29 | S 2 |
| M 3 | 21 7 14 | 15°17'39 | 29°26 | 20°28 | 1° 1 | 27° 5 | 24° 2 | 2° 4 | 20°58 | 15°29 | 19°45 | 4°51 | 3°30 | 25°31 | 1°33 | M 3 |
| T 4 | 21 11 10 | 16°15'32 | 13♏34 | 22°22 | 1°48 | 27°44 | 24° 8 | 2° 4 | 21° 0 | 15°30 | 19°47 | 4°D50 | 3°27 | 25°37 | 1°37 | T 4 |
| W 5 | 21 15 7 | 17°13'26 | 27°44 | 24°14 | 2°35 | 28°23 | 24°15 | 2° 5 | 21° 2 | 15°31 | 19°49 | 4°50 | 3°24 | 25°44 | 1°41 | W 5 |
| T 6 | 21 19 3 | 18°11'22 | 11♐56 | 26° 5 | 3°23 | 29° 2 | 24°21 | 2° 5 | 21° 4 | 15°33 | 19°51 | 4°51 | 3°21 | 25°51 | 1°45 | T 6 |
| F 7 | 21 23 0 | 19° 9'19 | 26° 7 | 27°55 | 4°12 | 29°41 | 24°27 | 2° 5 | 21° 7 | 15°34 | 19°53 | 4°52 | 3°18 | 25°57 | 1°49 | F 7 |
| S 8 | 21 26 56 | 20° 7'18 | 10♑14 | 29°43 | 5° 2 | 0♎20 | 24°33 | 2° 6 | 21° 9 | 15°36 | 19°55 | 4°R53 | 3°15 | 26° 4 | 1°54 | S 8 |
| S 9 | 21 30 53 | 21° 5'18 | 24°17 | 1♍30 | 5°52 | 0°59 | 24°39 | 2°R 6 | 21°11 | 15°37 | 19°57 | 4°51 | 3°11 | 26°11 | 1°58 | S 9 |
| M10 | 21 34 49 | 22° 3'19 | 8♒10 | 3°16 | 6°43 | 1°38 | 24°45 | 2° 6 | 21°13 | 15°38 | 19°59 | 4°47 | 3° 8 | 26°18 | 2° 3 | M10 |
| T 11 | 21 38 46 | 23° 1'22 | 21°51 | 5° 1 | 7°35 | 2°18 | 24°51 | 2° 5 | 21°16 | 15°40 | 20° 1 | 4°41 | 3° 5 | 26°24 | 2° 7 | T 11 |
| W12 | 21 42 43 | 23°59'27 | 5♓18 | 6°44 | 8°28 | 2°57 | 24°56 | 2° 5 | 21°18 | 15°41 | 20° 3 | 4°34 | 3° 2 | 26°31 | 2°12 | W12 |
| T 13 | 21 46 39 | 24°57'33 | 18°27 | 8°26 | 9°21 | 3°36 | 25° 1 | 2° 5 | 21°21 | 15°43 | 20° 5 | 4°25 | 2°59 | 26°38 | 2°17 | T 13 |
| F 14 | 21 50 36 | 25°55'41 | 1♈17 | 10° 7 | 10°14 | 4°16 | 25° 6 | 2° 4 | 21°23 | 15°45 | 20° 7 | 4°16 | 2°55 | 26°44 | 2°21 | F 14 |
| S 15 | 21 54 32 | 26°53'52 | 13°50 | 11°47 | 11° 9 | 4°55 | 25°11 | 2° 4 | 21°26 | 15°46 | 20° 9 | 4° 8 | 2°52 | 26°51 | 2°26 | S 15 |
| S 16 | 21 58 29 | 27°52'04 | 26° 7 | 13°26 | 12° 3 | 5°35 | 25°16 | 2° 3 | 21°28 | 15°48 | 20°11 | 4° 2 | 2°49 | 26°58 | 2°31 | S 16 |
| M17 | 22 2 25 | 28°50'18 | 8♉10 | 15° 3 | 12°59 | 6°14 | 25°20 | 2° 2 | 21°31 | 15°49 | 20°13 | 3°57 | 2°46 | 27° 4 | 2°36 | M17 |
| T 18 | 22 6 22 | 29°48'35 | 20° 4 | 16°39 | 13°55 | 6°54 | 25°25 | 2° 1 | 21°33 | 15°51 | 20°15 | 3°55 | 2°43 | 27°11 | 2°41 | T 18 |
| W19 | 22 10 18 | 0♍46'53 | 1♊54 | 18°14 | 14°51 | 7°34 | 25°29 | 2° 0 | 21°36 | 15°53 | 20°17 | 3°D54 | 2°40 | 27°18 | 2°47 | W19 |
| T 20 | 22 14 15 | 1°45'14 | 13°45 | 19°48 | 15°48 | 8°14 | 25°33 | 1°59 | 21°39 | 15°55 | 20°19 | 3°55 | 2°36 | 27°24 | 2°52 | T 20 |
| F 21 | 22 18 12 | 2°43'37 | 25°42 | 21°21 | 16°46 | 8°54 | 25°37 | 1°58 | 21°42 | 15°56 | 20°21 | 3°56 | 2°33 | 27°31 | 2°57 | F 21 |
| S 22 | 22 22 8 | 3°42'02 | 7♋50 | 22°52 | 17°44 | 9°34 | 25°41 | 1°57 | 21°44 | 15°58 | 20°23 | 3°R56 | 2°30 | 27°38 | 3° 3 | S 22 |
| S 23 | 22 26 5 | 4°40'29 | 20°14 | 24°23 | 18°42 | 10°14 | 25°44 | 1°55 | 21°47 | 16° 0 | 20°25 | 3°55 | 2°27 | 27°44 | 3° 8 | S 23 |
| M24 | 22 30 1 | 5°38'58 | 2♌57 | 25°52 | 19°41 | 10°54 | 25°47 | 1°54 | 21°50 | 16° 2 | 20°27 | 3°51 | 2°24 | 27°51 | 3°14 | M24 |
| T 25 | 22 33 58 | 6°37'30 | 16° 2 | 27°20 | 20°40 | 11°34 | 25°50 | 1°52 | 21°53 | 16° 3 | 20°29 | 3°45 | 2°20 | 27°58 | 3°19 | T 25 |
| W26 | 22 37 54 | 7°36'03 | 29°29 | 28°47 | 21°40 | 12°14 | 25°53 | 1°51 | 21°56 | 16° 5 | 20°31 | 3°37 | 2°17 | 28° 4 | 3°25 | W26 |
| T 27 | 22 41 51 | 8°34'38 | 13♍15 | 0♎13 | 22°40 | 12°55 | 25°56 | 1°49 | 21°59 | 16° 7 | 20°33 | 3°26 | 2°14 | 28°11 | 3°31 | T 27 |
| F 28 | 22 45 47 | 9°33'16 | 27°18 | 1°38 | 23°40 | 13°35 | 25°58 | 1°47 | 22° 2 | 16° 9 | 20°35 | 3°16 | 2°11 | 28°18 | 3°37 | F 28 |
| S 29 | 22 49 44 | 10°31'55 | 11♎33 | 3° 1 | 24°41 | 14°16 | 26° 1 | 1°45 | 22° 5 | 16°11 | 20°37 | 3° 6 | 2° 8 | 28°24 | 3°43 | S 29 |
| S 30 | 22 53 41 | 11°30'36 | 25°54 | 4°23 | 25°42 | 14°56 | 26° 3 | 1°43 | 22° 8 | 16°13 | 20°39 | 2°57 | 2° 5 | 28°31 | 3°49 | S 30 |
| M31 | 22 57 37 | 12♍29'19 | 10♏15 | 5♎44 | 26♋44 | 15♎37 | 26♉ 5 | 1♉40 | 22♎11 | 16♎15 | 20♌41 | 2♏51 | 2♏ 1 | 28♉38 | 3♏55 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n54 | 5s18 | 5s10 | 17n36 | 1n45 | 19n 4 | 4s30 | 2n 6 | 0n28 | 17n52 | 0s59 | 9n52 | 2s33 | 7s43 | 0n32 | 4s28 | 1n47 | 26n 2 | 11n41 | 23s29 | 23s31 | 22n18 | 11s34 | 0n29 |
| S 2 | 16 37 | 10 46 | 5 5 | 16 59 | 1 43 | 19 9 | 4 26 | 1 50 | 0 27 | 17 54 | 0 59 | 9 52 | 2 33 | 7 43 | 0 32 | 4 28 | 1 47 | 26 1 | 11 41 | 23 29 | 23 31 | 22 19 | 11 36 | 0 30 |
| M 3 | 16 20 | 15 44 | 4 42 | 16 20 | 1 41 | 19 13 | 4 21 | 1 34 | 0 26 | 17 55 | 1 0 | 9 52 | 2 33 | 7 44 | 0 32 | 4 29 | 1 47 | 26 1 | 11 41 | 23 29 | 23 32 | 22 19 | 11 37 | 0 30 |
| T 4 | 16 3 | 19 51 | 4 2 | 15 41 | 1 38 | 19 18 | 4 16 | 1 18 | 0 26 | 17 57 | 1 0 | 9 52 | 2 33 | 7 45 | 0 32 | 4 29 | 1 47 | 26 0 | 11 41 | 23 29 | 23 32 | 22 20 | 11 38 | 0 30 |
| W 5 | 15 46 | 22 48 | 3 8 | 15 0 | 1 35 | 19 22 | 4 11 | 1 2 | 0 25 | 17 58 | 1 0 | 9 51 | 2 34 | 7 46 | 0 32 | 4 30 | 1 47 | 25 59 | 11 41 | 23 29 | 23 32 | 22 21 | 11 39 | 0 30 |
| T 6 | 15 28 | 24 21 | 2 1 | 14 19 | 1 31 | 19 26 | 4 6 | 0 45 | 0 24 | 18 0 | 1 0 | 9 51 | 2 34 | 7 47 | 0 32 | 4 30 | 1 47 | 25 59 | 11 41 | 23 29 | 23 32 | 22 22 | 11 40 | 0 30 |
| F 7 | 15 10 | 24 18 | 0 47 | 13 37 | 1 27 | 19 30 | 4 1 | 0 29 | 0 24 | 18 1 | 1 0 | 9 51 | 2 34 | 7 47 | 0 32 | 4 31 | 1 47 | 25 58 | 11 41 | 23 29 | 23 32 | 22 23 | 11 42 | 0 31 |
| S 8 | 14 51 | 22 42 | 0n29 | 12 55 | 1 23 | 19 33 | 3 55 | 0 13 | 0 23 | 18 3 | 1 0 | 9 51 | 2 35 | 7 48 | 0 32 | 4 32 | 1 47 | 25 58 | 11 41 | 23 29 | 23 32 | 22 24 | 11 43 | 0 31 |
| S 9 | 14 33 | 19 42 | 1 43 | 12 12 | 1 18 | 19 36 | 3 50 | 0s 3 | 0 22 | 18 4 | 1 0 | 9 51 | 2 35 | 7 49 | 0 32 | 4 32 | 1 47 | 25 57 | 11 41 | 23 29 | 23 32 | 22 25 | 11 44 | 0 31 |
| M10 | 14 14 | 15 36 | 2 50 | 11 29 | 1 13 | 19 39 | 3 45 | 0 20 | 0 21 | 18 5 | 1 0 | 9 51 | 2 35 | 7 50 | 0 32 | 4 33 | 1 47 | 25 56 | 11 41 | 23 29 | 23 32 | 22 26 | 11 46 | 0 31 |
| T 11 | 13 55 | 10 44 | 3 46 | 10 46 | 1 7 | 19 42 | 3 40 | 0 36 | 0 21 | 18 7 | 1 0 | 9 50 | 2 35 | 7 51 | 0 32 | 4 33 | 1 47 | 25 56 | 11 41 | 23 29 | 23 32 | 22 27 | 11 47 | 0 32 |
| W12 | 13 36 | 5 28 | 4 28 | 10 2 | 1 1 | 19 44 | 3 34 | 0 52 | 0 20 | 18 8 | 1 0 | 9 50 | 2 36 | 7 52 | 0 32 | 4 34 | 1 47 | 25 55 | 11 41 | 23 30 | 23 32 | 22 28 | 11 48 | 0 32 |
| T 13 | 13 16 | 0 5 | 4 55 | 9 18 | 0 55 | 19 46 | 3 29 | 1 9 | 0 19 | 18 9 | 1 1 | 9 50 | 2 36 | 7 53 | 0 32 | 4 35 | 1 47 | 25 55 | 11 41 | 23 30 | 23 32 | 22 29 | 11 50 | 0 32 |
| F 14 | 12 57 | 5n11 | 5 6 | 8 34 | 0 49 | 19 48 | 3 23 | 1 25 | 0 19 | 18 10 | 1 1 | 9 49 | 2 36 | 7 54 | 0 32 | 4 35 | 1 47 | 25 54 | 11 41 | 23 30 | 23 32 | 22 30 | 11 51 | 0 32 |
| S 15 | 12 37 | 10 7 | 5 2 | 7 50 | 0 42 | 19 49 | 3 18 | 1 42 | 0 18 | 18 11 | 1 1 | 9 49 | 2 36 | 7 55 | 0 32 | 4 36 | 1 47 | 25 53 | 11 42 | 23 30 | 23 33 | 22 31 | 11 53 | 0 32 |
| S 16 | 12 17 | 14 33 | 4 44 | 7 6 | 0 36 | 19 50 | 3 13 | 1 58 | 0 17 | 18 12 | 1 1 | 9 48 | 2 36 | 7 56 | 0 32 | 4 37 | 1 47 | 25 53 | 11 42 | 23 31 | 23 33 | 22 31 | 11 54 | 0 33 |
| M17 | 11 57 | 18 18 | 4 14 | 6 22 | 0 29 | 19 50 | 3 7 | 2 14 | 0 16 | 18 13 | 1 1 | 9 48 | 2 37 | 7 57 | 0 31 | 4 37 | 1 47 | 25 52 | 11 42 | 23 31 | 23 33 | 22 32 | 11 56 | 0 33 |
| T 18 | 11 36 | 21 16 | 3 33 | 5 38 | 0 22 | 19 50 | 3 1 | 2 31 | 0 16 | 18 14 | 1 1 | 9 47 | 2 37 | 7 58 | 0 31 | 4 38 | 1 47 | 25 52 | 11 42 | 23 31 | 23 33 | 22 33 | 11 58 | 0 33 |
| W19 | 11 15 | 23 19 | 2 43 | 4 54 | 0 15 | 19 50 | 2 56 | 2 47 | 0 15 | 18 15 | 1 1 | 9 47 | 2 37 | 7 59 | 0 31 | 4 39 | 1 46 | 25 51 | 11 42 | 23 31 | 23 33 | 22 34 | 11 59 | 0 33 |
| T 20 | 10 55 | 24 20 | 1 46 | 4 10 | 0 7 | 19 49 | 2 50 | 3 4 | 0 14 | 18 16 | 1 1 | 9 46 | 2 37 | 8 0 | 0 31 | 4 39 | 1 46 | 25 51 | 11 42 | 23 31 | 23 33 | 22 35 | 12 1 | 0 33 |
| F 21 | 10 34 | 24 14 | 0 44 | 3 27 | 0s 0 | 19 47 | 2 45 | 3 20 | 0 14 | 18 17 | 1 1 | 9 45 | 2 38 | 8 1 | 0 31 | 4 40 | 1 46 | 25 50 | 11 42 | 23 31 | 23 33 | 22 36 | 12 2 | 0 34 |
| S 22 | 10 12 | 23 0 | 0s21 | 2 44 | 0 8 | 19 46 | 2 39 | 3 37 | 0 13 | 18 17 | 1 1 | 9 45 | 2 38 | 8 2 | 0 31 | 4 41 | 1 46 | 25 50 | 11 42 | 23 31 | 23 33 | 22 37 | 12 4 | 0 34 |
| S 23 | 9 51 | 20 37 | 1 26 | 2 1 | 0 16 | 19 43 | 2 34 | 3 53 | 0 12 | 18 18 | 1 2 | 9 44 | 2 38 | 8 3 | 0 31 | 4 42 | 1 46 | 25 49 | 11 43 | 23 31 | 23 33 | 22 37 | 12 6 | 0 34 |
| M24 | 9 29 | 17 12 | 2 29 | 1 18 | 0 23 | 19 41 | 2 28 | 4 10 | 0 11 | 18 19 | 1 2 | 9 43 | 2 38 | 8 4 | 0 31 | 4 42 | 1 46 | 25 49 | 11 43 | 23 31 | 23 33 | 22 38 | 12 8 | 0 34 |
| T 25 | 9 8 | 12 52 | 3 25 | 0 35 | 0 31 | 19 37 | 2 23 | 4 26 | 0 11 | 18 19 | 1 2 | 9 43 | 2 39 | 8 5 | 0 31 | 4 43 | 1 46 | 25 48 | 11 43 | 23 31 | 23 33 | 22 39 | 12 9 | 0 34 |
| W26 | 8 46 | 7 48 | 4 11 | 0s 7 | 0 39 | 19 34 | 2 17 | 4 43 | 0 10 | 18 20 | 1 2 | 9 42 | 2 39 | 8 6 | 0 31 | 4 44 | 1 46 | 25 48 | 11 43 | 23 31 | 23 33 | 22 40 | 12 11 | 0 35 |
| T 27 | 8 24 | 2 14 | 4 44 | 0 48 | 0 47 | 19 30 | 2 12 | 4 59 | 0 9 | 18 21 | 1 2 | 9 41 | 2 39 | 8 8 | 0 31 | 4 45 | 1 46 | 25 47 | 11 43 | 23 32 | 23 33 | 22 41 | 12 13 | 0 35 |
| F 28 | 8 2 | 3s31 | 5 1 | 1 29 | 0 55 | 19 25 | 2 6 | 5 15 | 0 9 | 18 21 | 1 2 | 9 40 | 2 39 | 8 9 | 0 31 | 4 45 | 1 46 | 25 47 | 11 43 | 23 32 | 23 33 | 22 41 | 12 15 | 0 35 |
| S 29 | 7 40 | 9 11 | 4 59 | 2 10 | 1 3 | 19 20 | 2 1 | 5 32 | 0 8 | 18 22 | 1 2 | 9 39 | 2 40 | 8 10 | 0 31 | 4 46 | 1 46 | 25 46 | 11 44 | 23 32 | 23 33 | 22 42 | 12 16 | 0 35 |
| S 30 | 7 17 | 14 23 | 4 39 | 2 50 | 1 11 | 19 14 | 1 55 | 5 48 | 0 7 | 18 22 | 1 2 | 9 38 | 2 40 | 8 11 | 0 31 | 4 47 | 1 46 | 25 46 | 11 44 | 23 32 | 23 33 | 22 43 | 12 18 | 0 35 |
| M31 | 6n55 | 18s47 | 4s 1 | 3s30 | 1s19 | 19n 8 | 1s50 | 6s 5 | 0n 7 | 18n22 | 1s 2 | 9n37 | 2s40 | 8s12 | 0n31 | 4s48 | 1n46 | 25n45 | 11n44 | 23s33 | 23s33 | 22n44 | 12s20 | 0n36 |

Julian Day Number = 2074832.5, Delta T = 27m06s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°21'56, Lahiri = 9°28'57 Julian Calendar 1 Aug. 968 == Greg. Calendar 6 Aug. 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## SEPTEMBER 968 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 1 34 | 13♍28'03 | 24♏33 | 7♎ 4 | 27♋46 | 16♎18 | 26♉ 7 | 1°R38 | 22♎14 | 16♎17 | 20♑43 | 2°R48 | 1♐58 | 28♉44 | 4♏ 1 | T 1 |
| W 2 | 23 5 30 | 14°26'50 | 8♐45 | 8°22 | 28°48 | 16°58 | 26° 8 | 1♉36 | 22°17 | 16°19 | 20°44 | 2°D46 | 1°55 | 28°51 | 4° 7 | W 2 |
| T 3 | 23 9 27 | 15°25'38 | 22°49 | 9°39 | 29°50 | 17°39 | 26°10 | 1°33 | 22°20 | 16°21 | 20°46 | 2♐46 | 1°52 | 28°58 | 4°13 | T 3 |
| F 4 | 23 13 23 | 16°24'28 | 6♐44 | 10°54 | 0♑53 | 18°20 | 26°11 | 1°30 | 22°23 | 16°23 | 20°48 | 2°R46 | 1°49 | 29° 4 | 4°19 | F 4 |
| S 5 | 23 17 20 | 17°23'20 | 20°31 | 12° 8 | 1°57 | 19° 1 | 26°12 | 1°28 | 22°27 | 16°25 | 20°50 | 2°45 | 1°46 | 29°11 | 4°26 | S 5 |
| S 6 | 23 21 16 | 18°22'13 | 4♒ 9 | 13°20 | 3° 0 | 19°42 | 26°12 | 1°25 | 22°30 | 16°27 | 20°52 | 2°42 | 1°42 | 29°18 | 4°32 | S 6 |
| M 7 | 23 25 13 | 19°21'08 | 17°37 | 14°31 | 4° 4 | 20°23 | 26°13 | 1°22 | 22°33 | 16°29 | 20°54 | 2°36 | 1°39 | 29°24 | 4°39 | M 7 |
| T 8 | 23 29 10 | 20°20'05 | 0♓55 | 15°39 | 5° 8 | 21° 4 | 26°13 | 1°19 | 22°37 | 16°31 | 20°55 | 2°27 | 1°36 | 29°31 | 4°45 | T 8 |
| W 9 | 23 33 6 | 21°19'04 | 14° 1 | 16°46 | 6°12 | 21°45 | 26°R13 | 1°16 | 22°40 | 16°33 | 20°57 | 2°15 | 1°33 | 29°38 | 4°52 | W 9 |
| T 10 | 23 37 3 | 22°18'05 | 26°54 | 17°50 | 7°17 | 22°27 | 26°13 | 1°13 | 22°43 | 16°35 | 20°59 | 2° 3 | 1°30 | 29°44 | 4°58 | T 10 |
| F 11 | 23 40 59 | 23°17'09 | 9♈32 | 18°52 | 8°22 | 23° 8 | 26°13 | 1°10 | 22°47 | 16°37 | 21° 1 | 1°49 | 1°26 | 29°51 | 5° 5 | F 11 |
| S 12 | 23 44 56 | 24°16'14 | 21°57 | 19°52 | 9°27 | 23°49 | 26°13 | 1° 6 | 22°50 | 16°39 | 21° 3 | 1°37 | 1°23 | 29°58 | 5°12 | S 12 |
| S 13 | 23 48 52 | 25°15'22 | 4♉ 8 | 20°49 | 10°33 | 24°31 | 26°12 | 1° 3 | 22°53 | 16°41 | 21° 4 | 1°26 | 1°20 | 0♊ 4 | 5°19 | S 13 |
| M14 | 23 52 49 | 26°14'32 | 16° 9 | 21°43 | 11°38 | 25°12 | 26°11 | 1° 0 | 22°57 | 16°43 | 21° 6 | 1°18 | 1°17 | 0°11 | 5°25 | M14 |
| T 15 | 23 56 45 | 27°13'44 | 28° 1 | 22°34 | 12°44 | 25°54 | 26°10 | 0°56 | 23° 0 | 16°45 | 21° 8 | 1°13 | 1°14 | 0°18 | 5°32 | T 15 |
| W16 | 0 0 42 | 28°12'58 | 9♊49 | 23°21 | 13°50 | 26°36 | 26° 9 | 0°52 | 23° 4 | 16°48 | 21° 9 | 1°10 | 1°11 | 0°24 | 5°39 | W16 |
| T 17 | 0 4 38 | 29°12'15 | 21°38 | 24° 5 | 14°57 | 27°17 | 26° 7 | 0°49 | 23° 7 | 16°50 | 21°11 | 1° 9 | 1° 7 | 0°31 | 5°46 | T 17 |
| F 18 | 0 8 35 | 0♎11'35 | 3♋33 | 24°44 | 16° 4 | 27°59 | 26° 6 | 0°45 | 23°11 | 16°52 | 21°13 | 1° 9 | 1° 4 | 0°38 | 5°53 | F 18 |
| S 19 | 0 12 32 | 1°10'57 | 15°40 | 25°19 | 17°11 | 28°41 | 26° 4 | 0°41 | 23°14 | 16°54 | 21°14 | 1° 9 | 1° 1 | 0°44 | 6° 0 | S 19 |
| S 20 | 0 16 28 | 2°10'21 | 28° 4 | 25°49 | 18°18 | 29°23 | 26° 2 | 0°37 | 23°18 | 16°56 | 21°16 | 1° 7 | 0°58 | 0°51 | 6° 7 | S 20 |
| M21 | 0 20 25 | 3° 9'47 | 10♌50 | 26°14 | 19°25 | 0♏ 5 | 26° 0 | 0°33 | 23°21 | 16°58 | 21°18 | 1° 3 | 0°55 | 0°58 | 6°15 | M21 |
| T 22 | 0 24 21 | 4° 9'16 | 24° 2 | 26°32 | 20°33 | 0°47 | 25°57 | 0°29 | 23°25 | 17° 1 | 21°19 | 0°56 | 0°51 | 1° 4 | 6°22 | T 22 |
| W23 | 0 28 18 | 5° 8'47 | 7♍40 | 26°45 | 21°40 | 1°29 | 25°55 | 0°25 | 23°29 | 17° 3 | 21°21 | 0°47 | 0°48 | 1°11 | 6°29 | W23 |
| T 24 | 0 32 14 | 6° 8'20 | 21°43 | 26°R50 | 22°48 | 2°11 | 25°52 | 0°21 | 23°32 | 17° 5 | 21°22 | 0°36 | 0°45 | 1°18 | 6°36 | T 24 |
| F 25 | 0 36 11 | 7° 7'55 | 6♎ 8 | 26°48 | 23°57 | 2°54 | 25°49 | 0°17 | 23°36 | 17° 7 | 21°24 | 0°24 | 0°42 | 1°24 | 6°44 | F 25 |
| S 26 | 0 40 7 | 8° 7'32 | 20°49 | 26°38 | 25° 5 | 3°36 | 25°45 | 0°12 | 23°40 | 17° 9 | 21°25 | 0°12 | 0°39 | 1°31 | 6°51 | S 26 |
| S 27 | 0 44 4 | 9° 7'12 | 5♏36 | 26°20 | 26°13 | 4°18 | 25°42 | 0° 8 | 23°43 | 17°12 | 21°27 | 0° 2 | 0°36 | 1°38 | 6°58 | S 27 |
| M28 | 0 48 1 | 10° 6'53 | 20°22 | 25°53 | 27°22 | 5° 1 | 25°38 | 0° 4 | 23°47 | 17°14 | 21°28 | 29♐55 | 0°32 | 1°44 | 7° 6 | M28 |
| T 29 | 0 51 57 | 11° 6'36 | 5♐ 0 | 25°18 | 28°31 | 5°43 | 25°35 | 29♈59 | 23°51 | 17°16 | 21°30 | 29°51 | 0°29 | 1°51 | 7°13 | T 29 |
| W30 | 0 55 54 | 12♎ 6'21 | 19♐25 | 24♎33 | 29♌40 | 6♏26 | 25♉31 | 29♈55 | 23♎54 | 17♎18 | 21♌31 | 29♐49 | 0♐26 | 1♊58 | 7♏21 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n32 | 22s 3 | 3s 8 | 4s 8 | 1s26 | 19n 1 | 1s44 | 6s21 | 0n 6 | 18n23 | 1s 2 | 9n36 | 2s40 | 8s13 | 0n31 | 4s48 | 1n46 | 25n45 | 11n44 | 23s33 | 23s33 | 22n45 | 12s22 | 0n36 |
| W 2 | 6 9 | 23 55 | 2 4 | 4 47 | 1 34 | 18 54 | 1 39 | 6 37 | 0 5 | 18 23 | 1 3 | 9 35 | 2 40 | 8 15 | 0 31 | 4 49 | 1 46 | 25 44 | 11 44 | 23 33 | 23 34 | 22 45 | 12 24 | 0 36 |
| T 3 | 5 47 | 24 15 | 0 53 | 5 24 | 1 42 | 18 47 | 1 33 | 6 54 | 0 5 | 18 23 | 1 3 | 9 34 | 2 41 | 8 16 | 0 31 | 4 50 | 1 46 | 25 44 | 11 45 | 23 33 | 23 34 | 22 46 | 12 26 | 0 36 |
| F 4 | 5 24 | 23 3 | 0n21 | 6 1 | 1 50 | 18 38 | 1 28 | 7 10 | 0 4 | 18 23 | 1 3 | 9 33 | 2 41 | 8 17 | 0 31 | 4 51 | 1 46 | 25 43 | 11 45 | 23 33 | 23 34 | 22 47 | 12 28 | 0 36 |
| S 5 | 5 1 | 20 28 | 1 33 | 6 37 | 1 57 | 18 30 | 1 23 | 7 26 | 0 3 | 18 23 | 1 3 | 9 32 | 2 41 | 8 18 | 0 31 | 4 51 | 1 46 | 25 43 | 11 45 | 23 33 | 23 34 | 22 48 | 12 30 | 0 36 |
| S 6 | 4 37 | 16 46 | 2 38 | 7 12 | 2 5 | 18 21 | 1 17 | 7 42 | 0 3 | 18 23 | 1 3 | 9 31 | 2 41 | 8 19 | 0 31 | 4 52 | 1 46 | 25 43 | 11 45 | 23 33 | 23 34 | 22 48 | 12 32 | 0 37 |
| M 7 | 4 14 | 12 15 | 3 34 | 7 47 | 2 12 | 18 11 | 1 12 | 7 59 | 0 2 | 18 24 | 1 3 | 9 30 | 2 41 | 8 21 | 0 31 | 4 53 | 1 46 | 25 42 | 11 45 | 23 33 | 23 34 | 22 49 | 12 34 | 0 37 |
| T 8 | 3 51 | 7 12 | 4 17 | 8 20 | 2 19 | 18 1 | 1 7 | 8 15 | 0 1 | 18 24 | 1 3 | 9 28 | 2 42 | 8 22 | 0 31 | 4 54 | 1 46 | 25 42 | 11 46 | 23 33 | 23 34 | 22 50 | 12 36 | 0 37 |
| W 9 | 3 28 | 1 56 | 4 46 | 8 52 | 2 26 | 17 50 | 1 2 | 8 31 | 0 1 | 18 23 | 1 3 | 9 27 | 2 42 | 8 23 | 0 31 | 4 55 | 1 46 | 25 41 | 11 46 | 23 33 | 23 34 | 22 51 | 12 38 | 0 37 |
| T 10 | 3 4 | 3n20 | 4 59 | 9 23 | 2 33 | 17 39 | 0 57 | 8 47 | 0s 0 | 18 23 | 1 3 | 9 26 | 2 42 | 8 24 | 0 31 | 4 56 | 1 46 | 25 41 | 11 46 | 23 33 | 23 34 | 22 51 | 12 40 | 0 37 |
| F 11 | 2 41 | 8 21 | 4 58 | 9 53 | 2 40 | 17 27 | 0 51 | 9 3 | 0 1 | 18 23 | 1 3 | 9 25 | 2 42 | 8 26 | 0 31 | 4 56 | 1 46 | 25 41 | 11 46 | 23 34 | 23 34 | 22 52 | 12 42 | 0 38 |
| S 12 | 2 17 | 12 57 | 4 42 | 10 22 | 2 46 | 17 14 | 0 46 | 9 19 | 0 1 | 18 23 | 1 4 | 9 23 | 2 42 | 8 27 | 0 31 | 4 57 | 1 46 | 25 40 | 11 47 | 23 34 | 23 34 | 22 53 | 12 44 | 0 38 |
| S 13 | 1 54 | 16 56 | 4 14 | 10 49 | 2 52 | 17 2 | 0 41 | 9 35 | 0 2 | 18 23 | 1 4 | 9 22 | 2 42 | 8 28 | 0 31 | 4 58 | 1 46 | 25 40 | 11 47 | 23 34 | 23 34 | 22 54 | 12 46 | 0 38 |
| M14 | 1 30 | 20 10 | 3 34 | 11 15 | 2 57 | 16 48 | 0 37 | 9 51 | 0 3 | 18 22 | 1 4 | 9 21 | 2 43 | 8 30 | 0 31 | 4 59 | 1 46 | 25 40 | 11 47 | 23 34 | 23 34 | 22 54 | 12 48 | 0 38 |
| T 15 | 1 6 | 22 31 | 2 46 | 11 39 | 3 2 | 16 35 | 0 32 | 10 7 | 0 3 | 18 22 | 1 4 | 9 19 | 2 43 | 8 31 | 0 31 | 5 0 | 1 46 | 25 39 | 11 47 | 23 34 | 23 34 | 22 55 | 12 50 | 0 38 |
| W16 | 0 43 | 23 52 | 1 50 | 12 1 | 3 7 | 16 20 | 0 27 | 10 23 | 0 4 | 18 22 | 1 4 | 9 18 | 2 43 | 8 32 | 0 31 | 5 0 | 1 46 | 25 39 | 11 48 | 23 34 | 23 34 | 22 56 | 12 52 | 0 39 |
| T 17 | 0 19 | 24 9 | 0 50 | 12 21 | 3 11 | 16 5 | 0 22 | 10 38 | 0 5 | 18 21 | 1 4 | 9 16 | 2 43 | 8 34 | 0 31 | 5 1 | 1 46 | 25 39 | 11 48 | 23 34 | 23 34 | 22 56 | 12 54 | 0 39 |
| F 18 | 0s 5 | 23 19 | 0s13 | 12 39 | 3 15 | 15 50 | 0 17 | 10 54 | 0 5 | 18 21 | 1 4 | 9 15 | 2 43 | 8 35 | 0 31 | 5 2 | 1 46 | 25 38 | 11 48 | 23 34 | 23 34 | 22 57 | 12 57 | 0 39 |
| S 19 | 0 28 | 21 23 | 1 16 | 12 55 | 3 18 | 15 34 | 0 13 | 11 10 | 0 6 | 18 20 | 1 4 | 9 14 | 2 43 | 8 36 | 0 31 | 5 3 | 1 46 | 25 38 | 11 49 | 23 34 | 23 34 | 22 58 | 12 59 | 0 39 |
| S 20 | 0 52 | 18 25 | 2 17 | 13 8 | 3 20 | 15 18 | 0 8 | 11 25 | 0 7 | 18 20 | 1 4 | 9 12 | 2 43 | 8 38 | 0 31 | 5 4 | 1 46 | 25 38 | 11 49 | 23 34 | 23 34 | 22 58 | 13 1 | 0 39 |
| M21 | 1 16 | 14 30 | 3 14 | 13 19 | 3 22 | 15 1 | 0 4 | 11 41 | 0 7 | 18 19 | 1 4 | 9 11 | 2 44 | 8 39 | 0 31 | 5 5 | 1 46 | 25 38 | 11 49 | 23 34 | 23 34 | 22 59 | 13 3 | 0 40 |
| T 22 | 1 40 | 9 48 | 4 1 | 13 26 | 3 23 | 14 44 | 0n 1 | 11 56 | 0 8 | 18 19 | 1 4 | 9 9 | 2 44 | 8 40 | 0 31 | 5 6 | 1 46 | 25 37 | 11 50 | 23 34 | 23 34 | 23 0 | 13 5 | 0 40 |
| W23 | 2 3 | 4 28 | 4 37 | 13 30 | 3 22 | 14 26 | 0 5 | 12 12 | 0 9 | 18 18 | 1 4 | 9 8 | 2 44 | 8 42 | 0 31 | 5 6 | 1 46 | 25 37 | 11 50 | 23 34 | 23 34 | 23 0 | 13 8 | 0 40 |
| T 24 | 2 27 | 1s15 | 4 57 | 13 31 | 3 21 | 14 8 | 0 9 | 12 27 | 0 9 | 18 17 | 1 4 | 9 6 | 2 44 | 8 43 | 0 31 | 5 7 | 1 46 | 25 37 | 11 50 | 23 34 | 23 34 | 23 1 | 13 10 | 0 40 |
| F 25 | 2 51 | 7 1 | 4 59 | 13 28 | 3 18 | 13 50 | 0 14 | 12 42 | 0 10 | 18 16 | 1 5 | 9 4 | 2 44 | 8 44 | 0 31 | 5 8 | 1 46 | 25 37 | 11 50 | 23 34 | 23 34 | 23 2 | 13 12 | 0 41 |
| S 26 | 3 14 | 12 31 | 4 42 | 13 20 | 3 14 | 13 31 | 0 18 | 12 57 | 0 11 | 18 16 | 1 5 | 9 3 | 2 44 | 8 46 | 0 31 | 5 9 | 1 46 | 25 36 | 11 51 | 23 34 | 23 34 | 23 2 | 13 14 | 0 41 |
| S 27 | 3 38 | 17 19 | 4 5 | 13 8 | 3 8 | 13 11 | 0 22 | 13 12 | 0 11 | 18 15 | 1 5 | 9 1 | 2 44 | 8 47 | 0 31 | 5 10 | 1 46 | 25 36 | 11 51 | 23 34 | 23 34 | 23 3 | 13 16 | 0 41 |
| M28 | 4 2 | 21 2 | 3 12 | 12 52 | 3 1 | 12 52 | 0 26 | 13 27 | 0 12 | 18 14 | 1 5 | 9 0 | 2 44 | 8 48 | 0 31 | 5 11 | 1 46 | 25 36 | 11 51 | 23 34 | 23 34 | 23 3 | 13 19 | 0 41 |
| T 29 | 4 25 | 23 20 | 2 7 | 12 30 | 2 52 | 12 31 | 0 30 | 13 42 | 0 13 | 18 13 | 1 5 | 8 58 | 2 44 | 8 50 | 0 31 | 5 12 | 1 46 | 25 36 | 11 52 | 23 34 | 23 34 | 23 4 | 13 21 | 0 41 |
| W30 | 4s49 | 24s 4 | 0s55 | 12s 4 | 2s41 | 12n11 | 0n34 | 13s57 | 0s13 | 18n12 | 1s 5 | 8n56 | 2s44 | 8s51 | 0n31 | 5s12 | 1n46 | 25n36 | 11n52 | 23s34 | 23s34 | 23n 5 | 13s23 | 0n42 |

Julian Day Number = 2074863.5, Delta T = 27m06s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'01, Lahiri = 9°29'01 Julian Calendar 1 Sept. 968 == Greg. Calendar 6 Sept. 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## OCTOBER 968 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 59 50 | 13♎ 6'08 | 3♉34 | 23°R41 | 0♍49 | 7♏ 9 | 25°R26 | 29°R50 | 23♎58 | 17♎21 | 21♌33 | 29°D49 | 0♉23 | 2♊ 4 | 7♏28 | T 1 |
| F 2 | 1 3 47 | 14° 5'57 | 17°27 | 22♎41 | 1°59 | 7°51 | 25♉22 | 29♈46 | 24° 2 | 17°23 | 21°34 | 29°R49 | 0°20 | 2°11 | 7°36 | F 2 |
| S 3 | 1 7 43 | 15° 5'47 | 1♒ 3 | 21°34 | 3° 8 | 8°34 | 25°17 | 29°41 | 24° 5 | 17°25 | 21°35 | 29♐48 | 0°17 | 2°18 | 7°43 | S 3 |
| S 4 | 1 11 40 | 16° 5'39 | 14°25 | 20°22 | 4°18 | 9°17 | 25°13 | 29°36 | 24° 9 | 17°27 | 21°37 | 29°45 | 0°13 | 2°24 | 7°51 | S 4 |
| M 5 | 1 15 36 | 17° 5'32 | 27°34 | 19° 6 | 5°28 | 10° 0 | 25° 8 | 29°32 | 24°13 | 17°30 | 21°38 | 29°39 | 0°10 | 2°31 | 7°59 | M 5 |
| T 6 | 1 19 33 | 18° 5'28 | 10♓31 | 17°50 | 6°38 | 10°43 | 25° 3 | 29°27 | 24°17 | 17°32 | 21°39 | 29°30 | 0° 7 | 2°38 | 8° 6 | T 6 |
| W 7 | 1 23 30 | 19° 5'25 | 23°16 | 16°34 | 7°48 | 11°26 | 24°57 | 29°22 | 24°20 | 17°34 | 21°41 | 29°20 | 0° 4 | 2°44 | 8°14 | W 7 |
| T 8 | 1 27 26 | 20° 5'23 | 5♈50 | 15°22 | 8°58 | 12° 9 | 24°52 | 29°17 | 24°24 | 17°36 | 21°42 | 29° 7 | 0° 1 | 2°51 | 8°22 | T 8 |
| F 9 | 1 31 23 | 21° 5'24 | 18°14 | 14°16 | 10° 8 | 12°52 | 24°47 | 29°13 | 24°28 | 17°39 | 21°43 | 28°54 | 29♐57 | 2°58 | 8°29 | F 9 |
| S 10 | 1 35 19 | 22° 5'27 | 0♉27 | 13°18 | 11°19 | 13°35 | 24°41 | 29° 8 | 24°32 | 17°41 | 21°44 | 28°42 | 29°54 | 3° 4 | 8°37 | S 10 |
| S 11 | 1 39 16 | 23° 5'32 | 12°30 | 12°28 | 12°30 | 14°18 | 24°35 | 29° 3 | 24°35 | 17°43 | 21°45 | 28°32 | 29°51 | 3°11 | 8°45 | S 11 |
| M12 | 1 43 12 | 24° 5'38 | 24°25 | 11°49 | 13°41 | 15° 2 | 24°29 | 28°58 | 24°39 | 17°45 | 21°46 | 28°24 | 29°48 | 3°17 | 8°53 | M12 |
| T 13 | 1 47 9 | 25° 5'47 | 6♊14 | 11°22 | 14°51 | 15°45 | 24°23 | 28°53 | 24°43 | 17°47 | 21°48 | 28°19 | 29°45 | 3°24 | 9° 0 | T 13 |
| W14 | 1 51 5 | 26° 5'58 | 18° 1 | 11° 6 | 16° 3 | 16°28 | 24°16 | 28°49 | 24°47 | 17°50 | 21°49 | 28°16 | 29°42 | 3°31 | 9° 8 | W14 |
| T 15 | 1 55 2 | 27° 6'11 | 29°49 | 11°D 2 | 17°14 | 17°12 | 24°10 | 28°44 | 24°50 | 17°52 | 21°50 | 28°D16 | 29°38 | 3°37 | 9°16 | T 15 |
| F 16 | 1 58 58 | 28° 6'26 | 11♋42 | 11° 9 | 18°25 | 17°55 | 24° 3 | 28°39 | 24°54 | 17°54 | 21°51 | 28°16 | 29°35 | 3°44 | 9°24 | F 16 |
| S 17 | 2 2 55 | 29° 6'43 | 23°47 | 11°26 | 19°37 | 18°39 | 23°57 | 28°34 | 24°58 | 17°56 | 21°52 | 28°R17 | 29°32 | 3°51 | 9°32 | S 17 |
| S 18 | 2 6 52 | 0♏ 7'02 | 6♌ 8 | 11°54 | 20°48 | 19°23 | 23°50 | 28°29 | 25° 2 | 17°59 | 21°53 | 28°17 | 29°29 | 3°57 | 9°40 | S 18 |
| M19 | 2 10 48 | 1° 7'23 | 18°50 | 12°30 | 22° 0 | 20° 7 | 23°43 | 28°24 | 25° 5 | 18° 1 | 21°54 | 28°15 | 29°26 | 4° 4 | 9°47 | M19 |
| T 20 | 2 14 45 | 2° 7'46 | 1♍59 | 13°15 | 23°12 | 20°50 | 23°36 | 28°19 | 25° 9 | 18° 3 | 21°55 | 28°11 | 29°23 | 4°11 | 9°55 | T 20 |
| W21 | 2 18 41 | 3° 8'11 | 15°36 | 14° 7 | 24°24 | 21°34 | 23°29 | 28°15 | 25°13 | 18° 5 | 21°55 | 28° 5 | 29°19 | 4°17 | 10° 3 | W21 |
| T 22 | 2 22 38 | 4° 8'38 | 29°42 | 15° 5 | 25°36 | 22°18 | 23°21 | 28°10 | 25°16 | 18° 7 | 21°56 | 27°58 | 29°16 | 4°24 | 10°11 | T 22 |
| F 23 | 2 26 34 | 5° 9'07 | 14♎15 | 16° 8 | 26°48 | 23° 2 | 23°14 | 28° 5 | 25°20 | 18°10 | 21°57 | 27°49 | 29°13 | 4°31 | 10°19 | F 23 |
| S 24 | 2 30 31 | 6° 9'37 | 29° 8 | 17°17 | 28° 0 | 23°46 | 23° 6 | 28° 0 | 25°24 | 18°12 | 21°58 | 27°40 | 29°10 | 4°37 | 10°27 | S 24 |
| S 25 | 2 34 27 | 7°10'10 | 14♏14 | 18°30 | 29°12 | 24°30 | 22°59 | 27°55 | 25°28 | 18°14 | 21°59 | 27°33 | 29° 7 | 4°44 | 10°35 | S 25 |
| M26 | 2 38 24 | 8°10'44 | 29°22 | 19°46 | 0♎25 | 25°14 | 22°51 | 27°50 | 25°31 | 18°16 | 21°59 | 27°28 | 29° 3 | 4°51 | 10°43 | M26 |
| T 27 | 2 42 21 | 9°11'19 | 14♐23 | 21° 5 | 1°37 | 25°59 | 22°43 | 27°46 | 25°35 | 18°18 | 22° 0 | 27°25 | 29° 0 | 4°57 | 10°51 | T 27 |
| W28 | 2 46 17 | 10°11'56 | 29° 8 | 22°27 | 2°50 | 26°43 | 22°36 | 27°41 | 25°39 | 18°20 | 22° 1 | 27°D24 | 28°57 | 5° 4 | 10°59 | W28 |
| T 29 | 2 50 14 | 11°12'34 | 13♑33 | 23°51 | 4° 2 | 27°27 | 22°28 | 27°36 | 25°42 | 18°22 | 22° 2 | 27°25 | 28°54 | 5°11 | 11° 7 | T 29 |
| F 30 | 2 54 10 | 12°13'14 | 27°35 | 25°17 | 5°15 | 28°12 | 22°20 | 27°32 | 25°46 | 18°24 | 22° 2 | 27°26 | 28°51 | 5°17 | 11°15 | F 30 |
| S 31 | 2 58 7 | 13♏13'54 | 11♒15 | 26♎44 | 6♎28 | 28♏56 | 22♉12 | 27♈27 | 25♎50 | 18♎27 | 22♌ 3 | 27°R27 | 28♐48 | 5♊24 | 11♏22 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 5 s12 | 23 s12 | 0n20 | 11 s32 | 2 s28 | 11n50 | 0n37 | 14 s11 | 0 s14 | 18n11 | 1 s 5 | 8n55 | 2 s44 | 8 s53 | 0n31 | 5 s13 | 1n46 | 25n36 | 11n52 | 23 s34 | 23 s34 | 23n 5 | 13 s25 | 0n42 | T 1 |
| F 2 | 5 35 | 20 54 | 1 32 | 10 56 | 2 14 | 11 28 | 0 41 | 14 26 | 0 14 | 18 10 | 1 5 | 8 53 | 2 45 | 8 54 | 0 31 | 5 14 | 1 46 | 25 35 | 11 53 | 23 34 | 23 34 | 23 6 | 13 28 | 0 42 | F 2 |
| S 3 | 5 59 | 17 28 | 2 38 | 10 16 | 1 58 | 11 6 | 0 45 | 14 41 | 0 15 | 18 8 | 1 5 | 8 51 | 2 45 | 8 55 | 0 31 | 5 15 | 1 46 | 25 35 | 11 53 | 23 34 | 23 34 | 23 6 | 13 30 | 0 42 | S 3 |
| S 4 | 6 22 | 13 12 | 3 33 | 9 32 | 1 40 | 10 44 | 0 48 | 14 55 | 0 16 | 18 7 | 1 5 | 8 50 | 2 45 | 8 57 | 0 31 | 5 16 | 1 46 | 25 35 | 11 53 | 23 34 | 23 34 | 23 7 | 13 32 | 0 42 | S 4 |
| M 5 | 6 45 | 8 22 | 4 16 | 8 46 | 1 21 | 10 22 | 0 52 | 15 9 | 0 16 | 18 6 | 1 5 | 8 48 | 2 45 | 8 58 | 0 31 | 5 17 | 1 46 | 25 35 | 11 54 | 23 34 | 23 34 | 23 8 | 13 34 | 0 43 | M 5 |
| T 6 | 7 8 | 3 16 | 4 46 | 7 58 | 1 1 | 9 59 | 0 55 | 15 23 | 0 17 | 18 5 | 1 5 | 8 46 | 2 45 | 8 59 | 0 31 | 5 18 | 1 46 | 25 35 | 11 54 | 23 34 | 23 34 | 23 8 | 13 37 | 0 43 | T 6 |
| W 7 | 7 31 | 1n54 | 5 0 | 7 10 | 0 40 | 9 36 | 0 58 | 15 37 | 0 18 | 18 4 | 1 5 | 8 45 | 2 45 | 9 1 | 0 30 | 5 18 | 1 46 | 25 35 | 11 55 | 23 34 | 23 34 | 23 9 | 13 39 | 0 43 | W 7 |
| T 8 | 7 54 | 6 55 | 5 0 | 6 23 | 0 19 | 9 12 | 1 2 | 15 51 | 0 18 | 18 2 | 1 5 | 8 43 | 2 45 | 9 2 | 0 30 | 5 19 | 1 46 | 25 35 | 11 55 | 23 34 | 23 34 | 23 9 | 13 41 | 0 43 | T 8 |
| F 9 | 8 16 | 11 34 | 4 45 | 5 38 | 0n 1 | 8 48 | 1 5 | 16 5 | 0 19 | 18 1 | 1 5 | 8 41 | 2 45 | 9 4 | 0 30 | 5 20 | 1 46 | 25 35 | 11 55 | 23 34 | 23 34 | 23 10 | 13 44 | 0 43 | F 9 |
| S 10 | 8 39 | 15 42 | 4 18 | 4 57 | 0 21 | 8 24 | 1 8 | 16 19 | 0 19 | 17 59 | 1 5 | 8 39 | 2 45 | 9 5 | 0 30 | 5 21 | 1 46 | 25 35 | 11 56 | 23 34 | 23 34 | 23 10 | 13 46 | 0 44 | S 10 |
| S 11 | 9 1 | 19 8 | 3 39 | 4 21 | 0 39 | 8 0 | 1 11 | 16 32 | 0 20 | 17 58 | 1 5 | 8 38 | 2 45 | 9 6 | 0 30 | 5 22 | 1 46 | 25 35 | 11 56 | 23 34 | 23 34 | 23 11 | 13 48 | 0 44 | S 11 |
| M12 | 9 24 | 21 44 | 2 50 | 3 50 | 0 56 | 7 35 | 1 13 | 16 46 | 0 21 | 17 57 | 1 5 | 8 36 | 2 45 | 9 8 | 0 30 | 5 23 | 1 46 | 25 35 | 11 56 | 23 34 | 23 34 | 23 11 | 13 50 | 0 44 | M12 |
| T 13 | 9 46 | 23 21 | 1 55 | 3 25 | 1 12 | 7 10 | 1 16 | 16 59 | 0 21 | 17 55 | 1 5 | 8 34 | 2 45 | 9 9 | 0 30 | 5 24 | 1 46 | 25 35 | 11 57 | 23 34 | 23 34 | 23 12 | 13 53 | 0 44 | T 13 |
| W14 | 10 8 | 23 56 | 0 55 | 3 6 | 1 26 | 6 45 | 1 19 | 17 12 | 0 22 | 17 53 | 1 5 | 8 33 | 2 45 | 9 11 | 0 30 | 5 24 | 1 46 | 25 35 | 11 57 | 23 34 | 23 34 | 23 12 | 13 55 | 0 44 | W14 |
| T 15 | 10 30 | 23 26 | 0s 8 | 2 53 | 1 38 | 6 19 | 1 21 | 17 25 | 0 23 | 17 52 | 1 5 | 8 31 | 2 45 | 9 12 | 0 30 | 5 25 | 1 46 | 25 35 | 11 58 | 23 34 | 23 34 | 23 13 | 13 57 | 0 45 | T 15 |
| F 16 | 10 52 | 21 52 | 1 11 | 2 46 | 1 48 | 5 53 | 1 24 | 17 38 | 0 23 | 17 50 | 1 5 | 8 29 | 2 45 | 9 13 | 0 30 | 5 26 | 1 46 | 25 35 | 11 58 | 23 34 | 23 34 | 23 13 | 14 0 | 0 45 | F 16 |
| S 17 | 11 13 | 19 18 | 2 12 | 2 46 | 1 57 | 5 27 | 1 26 | 17 51 | 0 24 | 17 49 | 1 5 | 8 28 | 2 45 | 9 15 | 0 30 | 5 27 | 1 46 | 25 35 | 11 58 | 23 34 | 23 34 | 23 14 | 14 2 | 0 45 | S 17 |
| S 18 | 11 35 | 15 48 | 3 9 | 2 50 | 2 4 | 5 1 | 1 28 | 18 4 | 0 24 | 17 47 | 1 5 | 8 26 | 2 45 | 9 16 | 0 30 | 5 28 | 1 46 | 25 35 | 11 59 | 23 34 | 23 34 | 23 14 | 14 4 | 0 45 | S 18 |
| M19 | 11 56 | 11 30 | 3 57 | 2 59 | 2 9 | 4 34 | 1 30 | 18 16 | 0 25 | 17 45 | 1 5 | 8 24 | 2 45 | 9 17 | 0 30 | 5 29 | 1 46 | 25 35 | 11 59 | 23 34 | 23 34 | 23 15 | 14 7 | 0 46 | M19 |
| T 20 | 12 17 | 6 33 | 4 35 | 3 13 | 2 13 | 4 8 | 1 33 | 18 28 | 0 26 | 17 44 | 1 5 | 8 22 | 2 45 | 9 19 | 0 30 | 5 29 | 1 46 | 25 35 | 12 0 | 23 34 | 23 34 | 23 15 | 14 9 | 0 46 | T 20 |
| W21 | 12 38 | 1 7 | 4 59 | 3 31 | 2 15 | 3 41 | 1 34 | 18 41 | 0 26 | 17 42 | 1 5 | 8 21 | 2 45 | 9 20 | 0 30 | 5 30 | 1 46 | 25 35 | 12 0 | 23 34 | 23 34 | 23 16 | 14 11 | 0 46 | W21 |
| T 22 | 12 58 | 4 s33 | 5 6 | 3 52 | 2 17 | 3 14 | 1 36 | 18 53 | 0 27 | 17 40 | 1 5 | 8 19 | 2 45 | 9 22 | 0 30 | 5 31 | 1 46 | 25 35 | 12 0 | 23 33 | 23 34 | 23 16 | 14 13 | 0 46 | T 22 |
| F 23 | 13 19 | 10 9 | 4 54 | 4 17 | 2 17 | 2 47 | 1 38 | 19 5 | 0 27 | 17 38 | 1 5 | 8 17 | 2 44 | 9 23 | 0 30 | 5 32 | 1 46 | 25 35 | 12 1 | 23 33 | 23 34 | 23 17 | 14 16 | 0 46 | F 23 |
| S 24 | 13 39 | 15 18 | 4 22 | 4 44 | 2 16 | 2 19 | 1 40 | 19 16 | 0 28 | 17 36 | 1 5 | 8 16 | 2 44 | 9 24 | 0 30 | 5 33 | 1 46 | 25 35 | 12 1 | 23 33 | 23 34 | 23 17 | 14 18 | 0 47 | S 24 |
| S 25 | 13 59 | 19 33 | 3 31 | 5 13 | 2 15 | 1 52 | 1 41 | 19 28 | 0 28 | 17 34 | 1 5 | 8 14 | 2 44 | 9 26 | 0 30 | 5 33 | 1 46 | 25 35 | 12 2 | 23 33 | 23 34 | 23 18 | 14 20 | 0 47 | S 25 |
| M26 | 14 19 | 22 29 | 2 25 | 5 44 | 2 12 | 1 24 | 1 43 | 19 39 | 0 29 | 17 33 | 1 5 | 8 13 | 2 44 | 9 27 | 0 30 | 5 34 | 1 46 | 25 36 | 12 2 | 23 33 | 23 34 | 23 18 | 14 22 | 0 47 | M26 |
| T 27 | 14 38 | 23 49 | 1 10 | 6 17 | 2 9 | 0 57 | 1 44 | 19 50 | 0 30 | 17 31 | 1 5 | 8 11 | 2 44 | 9 28 | 0 30 | 5 35 | 1 46 | 25 36 | 12 3 | 23 33 | 23 34 | 23 19 | 14 25 | 0 47 | T 27 |
| W28 | 14 58 | 23 25 | 0n 9 | 6 51 | 2 5 | 0 29 | 1 46 | 20 1 | 0 30 | 17 29 | 1 5 | 8 9 | 2 44 | 9 30 | 0 30 | 5 36 | 1 46 | 25 36 | 12 3 | 23 33 | 23 34 | 23 19 | 14 27 | 0 48 | W28 |
| T 29 | 15 17 | 21 27 | 1 26 | 7 26 | 2 1 | 0 1 | 1 47 | 20 12 | 0 31 | 17 27 | 1 5 | 8 8 | 2 44 | 9 31 | 0 30 | 5 37 | 1 46 | 25 36 | 12 3 | 23 33 | 23 34 | 23 19 | 14 29 | 0 48 | T 29 |
| F 30 | 15 35 | 18 13 | 2 36 | 8 1 | 1 57 | 0 s27 | 1 48 | 20 23 | 0 31 | 17 25 | 1 5 | 8 6 | 2 44 | 9 32 | 0 30 | 5 37 | 1 46 | 25 36 | 12 4 | 23 33 | 23 34 | 23 20 | 14 31 | 0 48 | F 30 |
| S 31 | 15 s54 | 14 s 3 | 3n35 | 8 s38 | 1n52 | 0 s55 | 1n49 | 20 s33 | 0 s32 | 17n23 | 1 s 4 | 8n 5 | 2 s44 | 9 s34 | 0n30 | 5 s38 | 1n46 | 25n36 | 12n 4 | 23 s33 | 23 s34 | 23n20 | 14 s34 | 0n48 | S 31 |

Julian Day Number = 2074893.5, Delta T = 27m05s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'05, Lahiri = 9°29'05 Julian Calendar 1 Oct. 968 == Greg. Calendar 6 Oct. 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## NOVEMBER 968 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 2 3 | 14♏14'36 | 24♒34 | 28♎12 | 7♎41 | 29♏41 | 22°R 4 | 27°R23 | 25♎53 | 18♎29 | 22♌ 3 | 27°R27 | 28♐44 | 5♊31 | 11♏30 | S 1 |
| M 2 | 3 6 0 | 15°15'18 | 7♓33 | 29°42 | 8°54 | 0♐25 | 21♉56 | 27♈18 | 25°57 | 18°31 | 22° 4 | 27♐24 | 28°41 | 5°37 | 11°38 | M 2 |
| T 3 | 3 9 56 | 16°16'02 | 20°17 | 1♏12 | 10° 7 | 1°10 | 21°48 | 27°14 | 26° 0 | 18°33 | 22° 4 | 27°20 | 28°38 | 5°44 | 11°46 | T 3 |
| W 4 | 3 13 53 | 17°16'47 | 2♈47 | 2°43 | 11°20 | 1°54 | 21°40 | 27° 9 | 26° 4 | 18°35 | 22° 5 | 27°14 | 28°35 | 5°51 | 11°54 | W 4 |
| T 5 | 3 17 50 | 18°17'33 | 15° 5 | 4°15 | 12°33 | 2°39 | 21°31 | 27° 5 | 26° 8 | 18°37 | 22° 5 | 27° 7 | 28°32 | 5°57 | 12° 2 | T 5 |
| F 6 | 3 21 46 | 19°18'20 | 27°15 | 5°47 | 13°46 | 3°24 | 21°23 | 27° 0 | 26°11 | 18°39 | 22° 6 | 26°59 | 28°28 | 6° 4 | 12°10 | F 6 |
| S 7 | 3 25 43 | 20°19'09 | 9♉16 | 7°20 | 15° 0 | 4° 9 | 21°15 | 26°56 | 26°15 | 18°41 | 22° 6 | 26°52 | 28°25 | 6°11 | 12°18 | S 7 |
| S 8 | 3 29 39 | 21°19'58 | 21°11 | 8°52 | 16°13 | 4°54 | 21° 7 | 26°52 | 26°18 | 18°43 | 22° 6 | 26°46 | 28°22 | 6°17 | 12°26 | S 8 |
| M 9 | 3 33 36 | 22°20'49 | 3♊ 2 | 10°25 | 17°27 | 5°39 | 20°59 | 26°48 | 26°22 | 18°45 | 22° 7 | 26°42 | 28°19 | 6°24 | 12°33 | M 9 |
| T 10 | 3 37 32 | 23°21'42 | 14°49 | 11°59 | 18°40 | 6°24 | 20°50 | 26°44 | 26°25 | 18°47 | 22° 7 | 26°40 | 28°16 | 6°31 | 12°41 | T 10 |
| W11 | 3 41 29 | 24°22'35 | 26°37 | 13°32 | 19°54 | 7° 9 | 20°42 | 26°40 | 26°29 | 18°49 | 22° 7 | 26°D39 | 28°13 | 6°37 | 12°49 | W11 |
| T 12 | 3 45 25 | 25°23'30 | 8♋27 | 15° 5 | 21° 7 | 7°54 | 20°34 | 26°36 | 26°32 | 18°50 | 22° 7 | 26°40 | 28° 9 | 6°44 | 12°57 | T 12 |
| F 13 | 3 49 22 | 26°24'26 | 20°23 | 16°39 | 22°21 | 8°39 | 20°26 | 26°32 | 26°35 | 18°52 | 22° 8 | 26°41 | 28° 6 | 6°51 | 13° 5 | F 13 |
| S 14 | 3 53 19 | 27°25'23 | 2♌28 | 18°12 | 23°35 | 9°24 | 20°18 | 26°28 | 26°39 | 18°54 | 22° 8 | 26°43 | 28° 3 | 6°57 | 13°12 | S 14 |
| S 15 | 3 57 15 | 28°26'22 | 14°48 | 19°46 | 24°49 | 10° 9 | 20°10 | 26°24 | 26°42 | 18°56 | 22° 8 | 26°45 | 28° 0 | 7° 4 | 13°20 | S 15 |
| M16 | 4 1 12 | 29°27'21 | 27°26 | 21°19 | 26° 2 | 10°54 | 20° 2 | 26°21 | 26°45 | 18°58 | 22° 8 | 26°R45 | 27°57 | 7°11 | 13°28 | M16 |
| T 17 | 4 5 8 | 0♐28'22 | 10♍28 | 22°53 | 27°16 | 11°40 | 19°54 | 26°17 | 26°49 | 19° 0 | 22° 8 | 26°45 | 27°54 | 7°17 | 13°36 | T 17 |
| W18 | 4 9 5 | 1°29'24 | 23°56 | 24°27 | 28°30 | 12°25 | 19°46 | 26°13 | 26°52 | 19° 1 | 22° 8 | 26°43 | 27°50 | 7°24 | 13°43 | W18 |
| T 19 | 4 13 1 | 2°30'27 | 7♎52 | 26° 0 | 29°44 | 13°11 | 19°38 | 26°10 | 26°55 | 19° 3 | 22°R 8 | 26°41 | 27°47 | 7°30 | 13°51 | T 19 |
| F 20 | 4 16 58 | 3°31'32 | 22°16 | 27°34 | 0♏58 | 13°56 | 19°31 | 26° 7 | 26°58 | 19° 5 | 22° 8 | 26°37 | 27°44 | 7°37 | 13°58 | F 20 |
| S 21 | 4 20 54 | 4°32'37 | 7♏ 4 | 29° 8 | 2°12 | 14°42 | 19°23 | 26° 3 | 27° 2 | 19° 7 | 22° 8 | 26°34 | 27°41 | 7°44 | 14° 6 | S 21 |
| S 22 | 4 24 51 | 5°33'44 | 22°10 | 0♐42 | 3°27 | 15°27 | 19°15 | 26° 0 | 27° 5 | 19° 8 | 22° 8 | 26°31 | 27°38 | 7°50 | 14°14 | S 22 |
| M23 | 4 28 48 | 6°34'51 | 7♐25 | 2°16 | 4°41 | 16°13 | 19° 8 | 25°57 | 27° 8 | 19°10 | 22° 8 | 26°29 | 27°34 | 7°57 | 14°21 | M23 |
| T 24 | 4 32 44 | 7°35'59 | 22°39 | 3°50 | 5°55 | 16°59 | 19° 0 | 25°54 | 27°11 | 19°12 | 22° 8 | 26°D29 | 27°31 | 8° 4 | 14°29 | T 24 |
| W25 | 4 36 41 | 8°37'08 | 7♑41 | 5°24 | 7° 9 | 17°44 | 18°53 | 25°51 | 27°14 | 19°13 | 22° 7 | 26°29 | 27°28 | 8°10 | 14°36 | W25 |
| T 26 | 4 40 37 | 9°38'17 | 22°24 | 6°58 | 8°24 | 18°30 | 18°46 | 25°48 | 27°17 | 19°15 | 22° 7 | 26°30 | 27°25 | 8°17 | 14°44 | T 26 |
| F 27 | 4 44 34 | 10°39'26 | 6♒43 | 8°33 | 9°38 | 19°16 | 18°39 | 25°46 | 27°20 | 19°16 | 22° 7 | 26°31 | 27°22 | 8°24 | 14°51 | F 27 |
| S 28 | 4 48 30 | 11°40'36 | 20°35 | 10° 7 | 10°52 | 20° 2 | 18°32 | 25°43 | 27°23 | 19°18 | 22° 7 | 26°32 | 27°19 | 8°30 | 14°58 | S 28 |
| S 29 | 4 52 27 | 12°41'46 | 4♓ 1 | 11°42 | 12° 7 | 20°48 | 18°25 | 25°40 | 27°26 | 19°20 | 22° 6 | 26°33 | 27°15 | 8°37 | 15° 6 | S 29 |
| M30 | 4 56 24 | 13♐42'56 | 17♓ 3 | 13♐17 | 13♏21 | 21♐34 | 18♉18 | 25♈38 | 27♎29 | 19♎21 | 22♌ 6 | 26°R33 | 27♐12 | 8♊44 | 15♏13 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s12 | 9s19 | 4n21 | 9s15 | 1n46 | 1s23 | 1n50 | 20s43 | 0s32 | 17n21 | 1s 4 | 8n 3 | 2s44 | 9s35 | 0n30 | 5s39 | 1n46 | 25n37 | 12n 5 | 23s33 | 23s34 | 23n21 | 14s36 | 0n49 |
| M 2 | 16 30 | 4 16 | 4 52 | 9 52 | 1 40 | 1 51 | 1 51 | 20 53 | 0 33 | 17 19 | 1 4 | 8 2 | 2 43 | 9 36 | 0 30 | 5 40 | 1 46 | 25 37 | 12 5 | 23 33 | 23 34 | 23 21 | 14 38 | 0 49 |
| T 3 | 16 48 | 0n50 | 5 8 | 10 29 | 1 34 | 2 19 | 1 52 | 21 3 | 0 34 | 17 17 | 1 4 | 8 0 | 2 43 | 9 38 | 0 30 | 5 40 | 1 46 | 25 37 | 12 6 | 23 33 | 23 34 | 23 21 | 14 40 | 0 49 |
| W 4 | 17 5 | 5 49 | 5 8 | 11 6 | 1 28 | 2 47 | 1 52 | 21 13 | 0 34 | 17 15 | 1 4 | 7 59 | 2 43 | 9 39 | 0 30 | 5 41 | 1 46 | 25 37 | 12 6 | 23 33 | 23 34 | 23 22 | 14 43 | 0 49 |
| T 5 | 17 22 | 10 30 | 4 55 | 11 44 | 1 22 | 3 15 | 1 53 | 21 22 | 0 35 | 17 13 | 1 4 | 7 57 | 2 43 | 9 40 | 0 30 | 5 42 | 1 46 | 25 38 | 12 6 | 23 32 | 23 34 | 23 22 | 14 45 | 0 49 |
| F 6 | 17 39 | 14 43 | 4 28 | 12 21 | 1 15 | 3 44 | 1 53 | 21 32 | 0 35 | 17 11 | 1 4 | 7 56 | 2 43 | 9 42 | 0 30 | 5 43 | 1 46 | 25 38 | 12 7 | 23 32 | 23 34 | 23 23 | 14 47 | 0 50 |
| S 7 | 17 56 | 18 17 | 3 50 | 12 57 | 1 9 | 4 12 | 1 54 | 21 41 | 0 36 | 17 9 | 1 4 | 7 55 | 2 43 | 9 43 | 0 30 | 5 43 | 1 46 | 25 38 | 12 7 | 23 32 | 23 34 | 23 23 | 14 49 | 0 50 |
| S 8 | 18 12 | 21 4 | 3 2 | 13 34 | 1 2 | 4 40 | 1 54 | 21 50 | 0 36 | 17 7 | 1 4 | 7 53 | 2 43 | 9 44 | 0 30 | 5 44 | 1 46 | 25 38 | 12 8 | 23 32 | 23 34 | 23 23 | 14 51 | 0 50 |
| M 9 | 18 28 | 22 56 | 2 6 | 14 10 | 0 55 | 5 8 | 1 54 | 21 58 | 0 37 | 17 5 | 1 4 | 7 52 | 2 42 | 9 45 | 0 30 | 5 45 | 1 46 | 25 39 | 12 8 | 23 32 | 23 34 | 23 24 | 14 53 | 0 50 |
| T 10 | 18 43 | 23 46 | 1 4 | 14 45 | 0 48 | 5 36 | 1 54 | 22 7 | 0 37 | 17 3 | 1 3 | 7 51 | 2 42 | 9 47 | 0 30 | 5 45 | 1 46 | 25 39 | 12 9 | 23 32 | 23 34 | 23 24 | 14 56 | 0 51 |
| W11 | 18 58 | 23 32 | 0 0 | 15 20 | 0 41 | 6 4 | 1 54 | 22 15 | 0 38 | 17 1 | 1 3 | 7 49 | 2 42 | 9 48 | 0 30 | 5 46 | 1 46 | 25 39 | 12 9 | 23 32 | 23 34 | 23 24 | 14 58 | 0 51 |
| T 12 | 19 13 | 22 14 | 1s 4 | 15 54 | 0 34 | 6 31 | 1 54 | 22 23 | 0 38 | 16 59 | 1 3 | 7 48 | 2 42 | 9 49 | 0 30 | 5 47 | 1 46 | 25 40 | 12 9 | 23 32 | 23 34 | 23 25 | 15 0 | 0 51 |
| F 13 | 19 28 | 19 56 | 2 7 | 16 28 | 0 27 | 6 59 | 1 54 | 22 31 | 0 39 | 16 57 | 1 3 | 7 47 | 2 42 | 9 50 | 0 30 | 5 48 | 1 46 | 25 40 | 12 10 | 23 32 | 23 34 | 23 25 | 15 2 | 0 51 |
| S 14 | 19 42 | 16 44 | 3 4 | 17 1 | 0 20 | 7 27 | 1 54 | 22 38 | 0 39 | 16 55 | 1 3 | 7 46 | 2 41 | 9 52 | 0 30 | 5 48 | 1 46 | 25 40 | 12 10 | 23 32 | 23 33 | 23 25 | 15 4 | 0 52 |
| S 15 | 19 55 | 12 45 | 3 55 | 17 34 | 0 13 | 7 54 | 1 53 | 22 45 | 0 40 | 16 53 | 1 3 | 7 44 | 2 41 | 9 53 | 0 30 | 5 49 | 1 47 | 25 41 | 12 11 | 23 32 | 23 33 | 23 26 | 15 6 | 0 52 |
| M16 | 20 9 | 8 8 | 4 35 | 18 5 | 0 6 | 8 22 | 1 53 | 22 52 | 0 41 | 16 51 | 1 2 | 7 43 | 2 41 | 9 54 | 0 30 | 5 50 | 1 47 | 25 41 | 12 11 | 23 32 | 23 33 | 23 26 | 15 8 | 0 52 |
| T 17 | 20 22 | 3 1 | 5 2 | 18 36 | 0s 0 | 8 49 | 1 52 | 22 59 | 0 41 | 16 49 | 1 2 | 7 42 | 2 41 | 9 55 | 0 30 | 5 50 | 1 47 | 25 41 | 12 12 | 23 32 | 23 33 | 23 26 | 15 10 | 0 52 |
| W18 | 20 34 | 2s23 | 5 15 | 19 6 | 0 7 | 9 16 | 1 52 | 23 6 | 0 42 | 16 47 | 1 2 | 7 41 | 2 41 | 9 56 | 0 30 | 5 51 | 1 47 | 25 42 | 12 12 | 23 32 | 23 33 | 23 27 | 15 12 | 0 53 |
| T 19 | 20 47 | 7 52 | 5 9 | 19 35 | 0 14 | 9 43 | 1 51 | 23 12 | 0 42 | 16 45 | 1 2 | 7 40 | 2 40 | 9 57 | 0 31 | 5 51 | 1 47 | 25 42 | 12 13 | 23 32 | 23 33 | 23 27 | 15 14 | 0 53 |
| F 20 | 20 59 | 13 6 | 4 44 | 20 4 | 0 21 | 10 9 | 1 50 | 23 18 | 0 43 | 16 43 | 1 2 | 7 39 | 2 40 | 9 59 | 0 31 | 5 52 | 1 47 | 25 43 | 12 13 | 23 32 | 23 33 | 23 27 | 15 17 | 0 53 |
| S 21 | 21 10 | 17 43 | 4 0 | 20 31 | 0 27 | 10 36 | 1 50 | 23 24 | 0 43 | 16 41 | 1 2 | 7 38 | 2 40 | 10 0 | 0 31 | 5 53 | 1 47 | 25 43 | 12 13 | 23 32 | 23 33 | 23 27 | 15 19 | 0 53 |
| S 22 | 21 21 | 21 17 | 2 58 | 20 57 | 0 33 | 11 2 | 1 49 | 23 30 | 0 43 | 16 39 | 1 1 | 7 37 | 2 40 | 10 1 | 0 31 | 5 53 | 1 47 | 25 44 | 12 14 | 23 32 | 23 33 | 23 28 | 15 21 | 0 54 |
| M23 | 21 32 | 23 22 | 1 43 | 21 23 | 0 40 | 11 28 | 1 48 | 23 35 | 0 44 | 16 37 | 1 1 | 7 36 | 2 39 | 10 2 | 0 31 | 5 54 | 1 47 | 25 44 | 12 14 | 23 32 | 23 33 | 23 28 | 15 23 | 0 54 |
| T 24 | 21 42 | 23 43 | 0 21 | 21 47 | 0 46 | 11 53 | 1 47 | 23 40 | 0 44 | 16 35 | 1 1 | 7 35 | 2 39 | 10 3 | 0 31 | 5 54 | 1 47 | 25 44 | 12 15 | 23 32 | 23 33 | 23 28 | 15 24 | 0 54 |
| W25 | 21 52 | 22 19 | 1n 2 | 22 10 | 0 52 | 12 19 | 1 46 | 23 45 | 0 45 | 16 34 | 1 1 | 7 35 | 2 39 | 10 4 | 0 31 | 5 55 | 1 47 | 25 45 | 12 15 | 23 32 | 23 33 | 23 28 | 15 26 | 0 55 |
| T 26 | 22 1 | 19 25 | 2 19 | 22 33 | 0 58 | 12 44 | 1 44 | 23 50 | 0 45 | 16 32 | 1 1 | 7 34 | 2 39 | 10 5 | 0 31 | 5 56 | 1 47 | 25 45 | 12 16 | 23 32 | 23 33 | 23 29 | 15 28 | 0 55 |
| F 27 | 22 10 | 15 24 | 3 25 | 22 54 | 1 4 | 13 9 | 1 43 | 23 54 | 0 46 | 16 30 | 1 0 | 7 33 | 2 38 | 10 6 | 0 31 | 5 56 | 1 47 | 25 46 | 12 16 | 23 32 | 23 33 | 23 29 | 15 30 | 0 55 |
| S 28 | 22 19 | 10 39 | 4 17 | 23 14 | 1 9 | 13 33 | 1 42 | 23 58 | 0 46 | 16 28 | 1 0 | 7 32 | 2 38 | 10 7 | 0 31 | 5 57 | 1 47 | 25 46 | 12 16 | 23 32 | 23 33 | 23 29 | 15 32 | 0 55 |
| S 29 | 22 27 | 5 32 | 4 53 | 23 33 | 1 15 | 13 58 | 1 40 | 24 2 | 0 47 | 16 27 | 1 0 | 7 32 | 2 38 | 10 8 | 0 31 | 5 57 | 1 47 | 25 47 | 12 17 | 23 32 | 23 33 | 23 29 | 15 34 | 0 56 |
| M30 | 22s34 | 0s21 | 5n13 | 23s50 | 1s20 | 14s22 | 1n39 | 24s 5 | 0s47 | 16n25 | 1s 0 | 7n31 | 2s38 | 10s10 | 0n31 | 5s58 | 1n47 | 25n47 | 12n17 | 23s32 | 23s33 | 23n30 | 15s36 | 0n56 |

Julian Day Number = 2074924.5, Delta T = 27m05s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'09, Lahiri = 9°29'09 Julian Calendar 1 Nov. 968 == Greg. Calendar 6 Nov. 968


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# ASTRODIENST EPHEMERIS for the year 968
# geocentric

## DECEMBER 968 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 0 20 | 14♐44'06 | 29♓43 | 14♐52 | 14♏35 | 22♐20 | 18°R12 | 25°R36 | 27♎32 | 19♎23 | 22°R 6 | 26°R33 | 27♐ 9 | 8♊50 | 15♏20 | T 1 |
| W 2 | 5 4 17 | 15°45'16 | 12♈ 7 | 16°27 | 15°50 | 23° 6 | 18♉ 5 | 25♈33 | 27°35 | 19°24 | 22♌ 5 | 26♐32 | 27° 6 | 8°57 | 15°27 | W 2 |
| T 3 | 5 8 13 | 16°46'26 | 24°16 | 18° 3 | 17° 4 | 23°52 | 17°59 | 25°31 | 27°37 | 19°25 | 22° 5 | 26°30 | 27° 3 | 9° 4 | 15°35 | T 3 |
| F 4 | 5 12 10 | 17°47'37 | 6♉16 | 19°39 | 18°19 | 24°38 | 17°53 | 25°29 | 27°40 | 19°27 | 22° 4 | 26°29 | 27° 0 | 9°10 | 15°42 | F 4 |
| S 5 | 5 16 6 | 18°48'48 | 18° 9 | 21°15 | 19°33 | 25°24 | 17°47 | 25°27 | 27°43 | 19°28 | 22° 4 | 26°28 | 26°56 | 9°17 | 15°49 | S 5 |
| S 6 | 5 20 3 | 19°49'58 | 29°59 | 22°51 | 20°48 | 26°10 | 17°41 | 25°26 | 27°45 | 19°29 | 22° 3 | 26°27 | 26°53 | 9°24 | 15°56 | S 6 |
| M 7 | 5 23 59 | 20°51'09 | 11♊47 | 24°27 | 22° 2 | 26°56 | 17°35 | 25°24 | 27°48 | 19°31 | 22° 3 | 26°26 | 26°50 | 9°30 | 16° 3 | M 7 |
| T 8 | 5 27 56 | 21°52'20 | 23°36 | 26° 4 | 23°17 | 27°43 | 17°30 | 25°22 | 27°51 | 19°32 | 22° 2 | 26°D26 | 26°47 | 9°37 | 16°10 | T 8 |
| W 9 | 5 31 53 | 22°53'32 | 5♋28 | 27°41 | 24°32 | 28°29 | 17°24 | 25°21 | 27°53 | 19°33 | 22° 2 | 26°26 | 26°44 | 9°44 | 16°17 | W 9 |
| T 10 | 5 35 49 | 23°54'43 | 17°25 | 29°18 | 25°46 | 29°15 | 17°19 | 25°19 | 27°56 | 19°35 | 22° 1 | 26°26 | 26°40 | 9°50 | 16°23 | T 10 |
| F 11 | 5 39 46 | 24°55'54 | 29°29 | 0♌56 | 27° 1 | 0♌ 2 | 17°14 | 25°18 | 27°58 | 19°36 | 22° 0 | 26°27 | 26°37 | 9°57 | 16°30 | F 11 |
| S 12 | 5 43 42 | 25°57'06 | 11♎43 | 2°34 | 28°16 | 0°48 | 17° 9 | 25°17 | 28° 1 | 19°37 | 22° 0 | 26°27 | 26°34 | 10° 4 | 16°37 | S 12 |
| S 13 | 5 47 39 | 26°58'18 | 24° 9 | 4°12 | 29°30 | 1°35 | 17° 5 | 25°16 | 28° 3 | 19°38 | 21°59 | 26°R27 | 26°31 | 10°10 | 16°44 | S 13 |
| M14 | 5 51 35 | 27°59'30 | 6♍51 | 5°50 | 0♐45 | 2°21 | 17° 0 | 25°15 | 28° 5 | 19°39 | 21°58 | 26°27 | 26°28 | 10°17 | 16°50 | M14 |
| T 15 | 5 55 32 | 29° 0'41 | 19°51 | 7°29 | 2° 0 | 3° 8 | 16°56 | 25°14 | 28° 8 | 19°40 | 21°57 | 26°26 | 26°25 | 10°23 | 16°57 | T 15 |
| W16 | 5 59 28 | 0♌ 1'54 | 3♎11 | 9° 8 | 3°14 | 3°54 | 16°52 | 25°13 | 28°10 | 19°41 | 21°57 | 26°D26 | 26°21 | 10°30 | 17° 3 | W16 |
| T 17 | 6 3 25 | 1° 3'06 | 16°55 | 10°47 | 4°29 | 4°41 | 16°48 | 25°13 | 28°12 | 19°42 | 21°56 | 26°27 | 26°18 | 10°37 | 17°10 | T 17 |
| F 18 | 6 7 22 | 2° 4'18 | 1♏ 2 | 12°26 | 5°44 | 5°27 | 16°44 | 25°12 | 28°14 | 19°43 | 21°55 | 26°27 | 26°15 | 10°43 | 17°16 | F 18 |
| S 19 | 6 11 18 | 3° 5'31 | 15°32 | 14° 5 | 6°59 | 6°14 | 16°40 | 25°12 | 28°16 | 19°44 | 21°54 | 26°28 | 26°12 | 10°50 | 17°23 | S 19 |
| S 20 | 6 15 15 | 4° 6'43 | 0♐20 | 15°44 | 8°14 | 7° 1 | 16°37 | 25°11 | 28°18 | 19°45 | 21°53 | 26°28 | 26° 9 | 10°57 | 17°29 | S 20 |
| M21 | 6 19 11 | 5° 7'55 | 15°22 | 17°23 | 9°28 | 7°47 | 16°34 | 25°11 | 28°20 | 19°46 | 21°52 | 26°29 | 26° 6 | 11° 3 | 17°35 | M21 |
| T 22 | 6 23 8 | 6° 9'07 | 0♌29 | 19° 1 | 10°43 | 8°34 | 16°31 | 25°D11 | 28°22 | 19°47 | 21°51 | 26°R29 | 26° 2 | 11°10 | 17°41 | T 22 |
| W23 | 6 27 4 | 7°10'19 | 15°32 | 20°39 | 11°58 | 9°21 | 16°28 | 25°11 | 28°24 | 19°48 | 21°50 | 26°28 | 25°59 | 11°17 | 17°47 | W23 |
| T 24 | 6 31 1 | 8°11'30 | 0♒22 | 22°17 | 13°13 | 10° 8 | 16°25 | 25°11 | 28°26 | 19°48 | 21°49 | 26°27 | 25°56 | 11°23 | 17°53 | T 24 |
| F 25 | 6 34 58 | 9°12'41 | 14°51 | 23°53 | 14°28 | 10°55 | 16°23 | 25°12 | 28°28 | 19°49 | 21°48 | 26°26 | 25°53 | 11°30 | 17°59 | F 25 |
| S 26 | 6 38 54 | 10°13'50 | 28°56 | 25°29 | 15°43 | 11°41 | 16°21 | 25°12 | 28°30 | 19°50 | 21°47 | 26°24 | 25°50 | 11°37 | 18° 5 | S 26 |
| S 27 | 6 42 51 | 11°14'59 | 12♓33 | 27° 3 | 16°57 | 12°28 | 16°19 | 25°13 | 28°32 | 19°51 | 21°46 | 26°22 | 25°46 | 11°43 | 18°11 | S 27 |
| M28 | 6 46 47 | 12°16'07 | 25°43 | 28°36 | 18°12 | 13°15 | 16°17 | 25°13 | 28°33 | 19°51 | 21°45 | 26°21 | 25°43 | 11°50 | 18°17 | M28 |
| T 29 | 6 50 44 | 13°17'14 | 8♈28 | 0♒ 6 | 19°27 | 14° 2 | 16°15 | 25°14 | 28°35 | 19°52 | 21°44 | 26°D20 | 25°40 | 11°57 | 18°22 | T 29 |
| W30 | 6 54 40 | 14°18'20 | 20°53 | 1°34 | 20°42 | 14°49 | 16°14 | 25°15 | 28°36 | 19°52 | 21°43 | 26°20 | 25°37 | 12° 3 | 18°28 | W30 |
| T 31 | 6 58 37 | 15♌19'25 | 3♉ 1 | 2♒59 | 21♐57 | 15♌36 | 16♉13 | 25♈16 | 28♎38 | 19♎53 | 21♌42 | 26♐21 | 25♐34 | 12♊10 | 18♏34 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s42 | 4n44 | 5n17 | 24s 7 | 1s25 | 14s45 | 1n37 | 24s 9 | 0s48 | 16n23 | 1s 0 | 7n30 | 2s37 | 10s11 | 0n31 | 5s58 | 1n47 | 25n48 | 12n18 | 23s32 | 23s33 | 23n30 | 15s38 | 0n56 |
| W 2 | 22 48 | 9 30 | 5 6 | 24 22 | 1 30 | 15 8 | 1 36 | 24 12 | 0 48 | 16 22 | 0 59 | 7 30 | 2 37 | 10 12 | 0 31 | 5 59 | 1 47 | 25 48 | 12 18 | 23 32 | 23 32 | 23 30 | 15 40 | 0 56 |
| T 3 | 22 55 | 13 48 | 4 41 | 24 36 | 1 34 | 15 31 | 1 34 | 24 14 | 0 49 | 16 20 | 0 59 | 7 29 | 2 37 | 10 13 | 0 31 | 5 59 | 1 47 | 25 49 | 12 18 | 23 32 | 23 32 | 23 30 | 15 41 | 0 57 |
| F 4 | 23 1 | 17 31 | 4 4 | 24 48 | 1 38 | 15 54 | 1 32 | 24 17 | 0 49 | 16 19 | 0 59 | 7 29 | 2 37 | 10 13 | 0 31 | 6 0 | 1 47 | 25 50 | 12 19 | 23 32 | 23 32 | 23 30 | 15 43 | 0 57 |
| S 5 | 23 6 | 20 29 | 3 17 | 24 59 | 1 43 | 16 16 | 1 31 | 24 19 | 0 49 | 16 17 | 0 59 | 7 28 | 2 36 | 10 14 | 0 31 | 6 0 | 1 47 | 25 50 | 12 19 | 23 31 | 23 32 | 23 31 | 15 45 | 0 57 |
| S 6 | 23 11 | 22 34 | 2 22 | 25 9 | 1 46 | 16 38 | 1 29 | 24 21 | 0 50 | 16 16 | 0 58 | 7 28 | 2 36 | 10 15 | 0 31 | 6 1 | 1 48 | 25 51 | 12 20 | 23 31 | 23 32 | 23 31 | 15 47 | 0 58 |
| M 7 | 23 15 | 23 39 | 1 21 | 25 17 | 1 50 | 16 59 | 1 27 | 24 23 | 0 50 | 16 15 | 0 58 | 7 28 | 2 36 | 10 16 | 0 31 | 6 1 | 1 48 | 25 51 | 12 20 | 23 31 | 23 32 | 23 31 | 15 49 | 0 58 |
| T 8 | 23 19 | 23 41 | 0 16 | 25 24 | 1 53 | 17 20 | 1 25 | 24 24 | 0 51 | 16 13 | 0 58 | 7 27 | 2 36 | 10 17 | 0 31 | 6 1 | 1 48 | 25 52 | 12 21 | 23 31 | 23 32 | 23 31 | 15 50 | 0 58 |
| W 9 | 23 23 | 22 38 | 0s50 | 25 29 | 1 56 | 17 40 | 1 23 | 24 25 | 0 51 | 16 12 | 0 58 | 7 27 | 2 35 | 10 18 | 0 31 | 6 2 | 1 48 | 25 52 | 12 21 | 23 31 | 23 32 | 23 31 | 15 52 | 0 58 |
| T 10 | 23 26 | 20 33 | 1 54 | 25 33 | 1 59 | 18 0 | 1 21 | 24 26 | 0 52 | 16 11 | 0 57 | 7 27 | 2 35 | 10 19 | 0 31 | 6 2 | 1 48 | 25 53 | 12 21 | 23 31 | 23 32 | 23 32 | 15 54 | 0 59 |
| F 11 | 23 28 | 17 32 | 2 54 | 25 36 | 2 1 | 18 19 | 1 19 | 24 26 | 0 52 | 16 10 | 0 57 | 7 27 | 2 35 | 10 20 | 0 31 | 6 3 | 1 48 | 25 54 | 12 22 | 23 31 | 23 32 | 23 32 | 15 55 | 0 59 |
| S 12 | 23 31 | 13 45 | 3 46 | 25 36 | 2 3 | 18 38 | 1 17 | 24 27 | 0 52 | 16 8 | 0 57 | 7 26 | 2 34 | 10 21 | 0 31 | 6 3 | 1 48 | 25 54 | 12 22 | 23 31 | 23 32 | 23 32 | 15 57 | 0 59 |
| S 13 | 23 32 | 9 19 | 4 29 | 25 35 | 2 5 | 18 57 | 1 15 | 24 27 | 0 53 | 16 7 | 0 57 | 7 26 | 2 34 | 10 22 | 0 31 | 6 3 | 1 48 | 25 55 | 12 22 | 23 31 | 23 32 | 23 32 | 15 59 | 1 0 |
| M14 | 23 33 | 4 24 | 5 0 | 25 33 | 2 6 | 19 14 | 1 12 | 24 26 | 0 53 | 16 6 | 0 56 | 7 26 | 2 34 | 10 22 | 0 31 | 6 4 | 1 48 | 25 55 | 12 23 | 23 31 | 23 31 | 23 32 | 16 0 | 1 0 |
| T 15 | 23 34 | 0s48 | 5 16 | 25 28 | 2 7 | 19 32 | 1 10 | 24 26 | 0 54 | 16 5 | 0 56 | 7 26 | 2 33 | 10 23 | 0 31 | 6 4 | 1 48 | 25 56 | 12 23 | 23 31 | 23 31 | 23 32 | 16 2 | 1 0 |
| W16 | 23 34 | 6 6 | 5 16 | 25 23 | 2 7 | 19 49 | 1 8 | 24 25 | 0 54 | 16 4 | 0 56 | 7 26 | 2 33 | 10 24 | 0 31 | 6 5 | 1 48 | 25 57 | 12 24 | 23 31 | 23 31 | 23 32 | 16 3 | 1 0 |
| T 17 | 23 34 | 11 16 | 4 58 | 25 15 | 2 7 | 20 5 | 1 6 | 24 24 | 0 54 | 16 4 | 0 56 | 7 26 | 2 33 | 10 25 | 0 31 | 6 5 | 1 48 | 25 57 | 12 24 | 23 31 | 23 31 | 23 33 | 16 5 | 1 1 |
| F 18 | 23 33 | 15 59 | 4 22 | 25 6 | 2 7 | 20 21 | 1 3 | 24 22 | 0 55 | 16 3 | 0 55 | 7 26 | 2 33 | 10 26 | 0 31 | 6 5 | 1 48 | 25 58 | 12 24 | 23 31 | 23 31 | 23 33 | 16 6 | 1 1 |
| S 19 | 23 32 | 19 54 | 3 29 | 24 54 | 2 6 | 20 36 | 1 1 | 24 20 | 0 55 | 16 2 | 0 55 | 7 26 | 2 32 | 10 26 | 0 31 | 6 5 | 1 48 | 25 59 | 12 25 | 23 31 | 23 31 | 23 33 | 16 8 | 1 1 |
| S 20 | 23 30 | 22 37 | 2 20 | 24 42 | 2 4 | 20 50 | 0 58 | 24 18 | 0 55 | 16 1 | 0 55 | 7 27 | 2 32 | 10 27 | 0 31 | 6 6 | 1 48 | 25 59 | 12 25 | 23 32 | 23 31 | 23 33 | 16 9 | 1 2 |
| M21 | 23 28 | 23 47 | 1 1 | 24 27 | 2 2 | 21 4 | 0 56 | 24 16 | 0 56 | 16 1 | 0 54 | 7 27 | 2 32 | 10 28 | 0 31 | 6 6 | 1 48 | 26 0 | 12 25 | 23 32 | 23 31 | 23 33 | 16 11 | 1 2 |
| T 22 | 23 26 | 23 12 | 0n22 | 24 11 | 1 59 | 21 18 | 0 53 | 24 14 | 0 56 | 16 0 | 0 54 | 7 27 | 2 31 | 10 28 | 0 31 | 6 6 | 1 48 | 26 0 | 12 26 | 23 32 | 23 31 | 23 33 | 16 12 | 1 2 |
| W23 | 23 23 | 20 57 | 1 44 | 23 53 | 1 56 | 21 31 | 0 51 | 24 11 | 0 56 | 16 0 | 0 54 | 7 27 | 2 31 | 10 29 | 0 31 | 6 7 | 1 49 | 26 1 | 12 26 | 23 32 | 23 31 | 23 33 | 16 14 | 1 3 |
| T 24 | 23 19 | 17 18 | 2 57 | 23 33 | 1 52 | 21 43 | 0 48 | 24 8 | 0 57 | 15 59 | 0 54 | 7 28 | 2 31 | 10 30 | 0 31 | 6 7 | 1 49 | 26 2 | 12 26 | 23 31 | 23 31 | 23 33 | 16 15 | 1 3 |
| F 25 | 23 15 | 12 41 | 3 57 | 23 12 | 1 47 | 21 54 | 0 46 | 24 4 | 0 57 | 15 59 | 0 53 | 7 28 | 2 30 | 10 30 | 0 31 | 6 7 | 1 49 | 26 2 | 12 27 | 23 31 | 23 30 | 23 33 | 16 16 | 1 3 |
| S 26 | 23 11 | 7 31 | 4 41 | 22 49 | 1 41 | 22 5 | 0 43 | 24 0 | 0 57 | 15 58 | 0 53 | 7 29 | 2 30 | 10 31 | 0 31 | 6 7 | 1 49 | 26 3 | 12 27 | 23 31 | 23 30 | 23 33 | 16 18 | 1 4 |
| S 27 | 23 6 | 2 9 | 5 8 | 22 25 | 1 35 | 22 15 | 0 41 | 23 56 | 0 58 | 15 58 | 0 53 | 7 29 | 2 30 | 10 32 | 0 31 | 6 7 | 1 49 | 26 4 | 12 27 | 23 31 | 23 30 | 23 33 | 16 19 | 1 4 |
| M28 | 23 0 | 3n 8 | 5 17 | 22 0 | 1 28 | 22 25 | 0 38 | 23 52 | 0 58 | 15 58 | 0 53 | 7 30 | 2 30 | 10 32 | 0 31 | 6 8 | 1 49 | 26 4 | 12 28 | 23 31 | 23 30 | 23 34 | 16 20 | 1 4 |
| T 29 | 22 54 | 8 7 | 5 10 | 21 33 | 1 20 | 22 34 | 0 35 | 23 48 | 0 58 | 15 58 | 0 52 | 7 30 | 2 29 | 10 33 | 0 31 | 6 8 | 1 49 | 26 5 | 12 28 | 23 31 | 23 30 | 23 34 | 16 22 | 1 5 |
| W30 | 22 48 | 12 38 | 4 48 | 21 5 | 1 11 | 22 42 | 0 33 | 23 43 | 0 59 | 15 57 | 0 52 | 7 31 | 2 29 | 10 33 | 0 31 | 6 8 | 1 49 | 26 6 | 12 28 | 23 31 | 23 30 | 23 34 | 16 23 | 1 5 |
| T 31 | 22s41 | 16n34 | 4n14 | 20s36 | 1s 2 | 22s49 | 0n30 | 23s38 | 0s59 | 15n57 | 0s52 | 7n31 | 2s29 | 10s34 | 0n31 | 6s 8 | 1n49 | 26n 6 | 12n29 | 23s31 | 23s30 | 23n34 | 16s24 | 1n 5 |

Julian Day Number = 2074954.5, Delta T = 27m04s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'13, Lahiri = 9°29'13 Julian Calendar 1 Dec. 968 == Greg. Calendar 6 Dec. 968


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## JANUARY 969 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 2 33 | 16♑20'29 | 14♉57 | 4♒20 | 23♐12 | 16♑23 | 16°R12 | 25♈17 | 28♎39 | 19♎53 | 21°R41 | 26♐22 | 25♐31 | 12♊17 | 18♏39 | F 1 |
| S 2 | 7 6 30 | 17°21'32 | 26°47 | 5°37 | 24°26 | 17°10 | 16♉11 | 25°18 | 28°41 | 19°54 | 21♌39 | 26°24 | 25°27 | 12°23 | 18°44 | S 2 |
| S 3 | 7 10 27 | 18°22'34 | 8♊34 | 6°48 | 25°41 | 17°57 | 16°11 | 25°19 | 28°42 | 19°54 | 21°38 | 26°26 | 25°24 | 12°30 | 18°50 | S 3 |
| M 4 | 7 14 23 | 19°23'36 | 20°22 | 7°55 | 26°56 | 18°44 | 16°10 | 25°21 | 28°44 | 19°55 | 21°37 | 26°27 | 25°21 | 12°36 | 18°55 | M 4 |
| T 5 | 7 18 20 | 20°24'36 | 2♋14 | 8°54 | 28°11 | 19°31 | 16°D10 | 25°22 | 28°45 | 19°55 | 21°36 | 26°R27 | 25°18 | 12°43 | 19° 0 | T 5 |
| W 6 | 7 22 16 | 21°25'35 | 14°13 | 9°46 | 29°26 | 20°18 | 16°10 | 25°24 | 28°46 | 19°55 | 21°34 | 26°26 | 25°15 | 12°50 | 19° 5 | W 6 |
| T 7 | 7 26 13 | 22°26'33 | 26°22 | 10°30 | 0♑41 | 21° 6 | 16°11 | 25°26 | 28°47 | 19°56 | 21°33 | 26°23 | 25°12 | 12°56 | 19°10 | T 7 |
| F 8 | 7 30 9 | 23°27'30 | 8♌41 | 11° 5 | 1°56 | 21°53 | 16°11 | 25°28 | 28°48 | 19°56 | 21°32 | 26°19 | 25° 8 | 13° 3 | 19°15 | F 8 |
| S 9 | 7 34 6 | 24°28'26 | 21°11 | 11°31 | 3°10 | 22°40 | 16°12 | 25°30 | 28°49 | 19°56 | 21°31 | 26°14 | 25° 5 | 13°10 | 19°20 | S 9 |
| S 10 | 7 38 2 | 25°29'21 | 3♍53 | 11°45 | 4°25 | 23°27 | 16°13 | 25°32 | 28°50 | 19°56 | 21°29 | 26° 9 | 25° 2 | 13°16 | 19°25 | S 10 |
| M11 | 7 41 59 | 26°30'15 | 16°49 | 11°R49 | 5°40 | 24°14 | 16°14 | 25°34 | 28°51 | 19°57 | 21°28 | 26° 5 | 24°59 | 13°23 | 19°29 | M11 |
| T 12 | 7 45 56 | 27°31'08 | 29°58 | 11°42 | 6°55 | 25° 1 | 16°15 | 25°36 | 28°52 | 19°57 | 21°26 | 26° 1 | 24°56 | 13°30 | 19°34 | T 12 |
| W13 | 7 49 52 | 28°32'00 | 13♎22 | 11°23 | 8°10 | 25°49 | 16°17 | 25°38 | 28°53 | 19°57 | 21°25 | 25°58 | 24°52 | 13°36 | 19°38 | W13 |
| T 14 | 7 53 49 | 29°32'51 | 27° 1 | 10°54 | 9°25 | 26°36 | 16°18 | 25°41 | 28°54 | 19°57 | 21°24 | 25°D57 | 24°49 | 13°43 | 19°43 | T 14 |
| F 15 | 7 57 45 | 0♒33'42 | 10♏56 | 10°15 | 10°40 | 27°23 | 16°20 | 25°44 | 28°54 | 19°R57 | 21°22 | 25°57 | 24°46 | 13°50 | 19°47 | F 15 |
| S 16 | 8 1 42 | 1°34'31 | 25° 7 | 9°26 | 11°55 | 28°10 | 16°22 | 25°46 | 28°55 | 19°57 | 21°21 | 25°59 | 24°43 | 13°56 | 19°51 | S 16 |
| S 17 | 8 5 38 | 2°35'20 | 9♐32 | 8°29 | 13° 9 | 28°58 | 16°25 | 25°49 | 28°56 | 19°57 | 21°19 | 26° 0 | 24°40 | 14° 3 | 19°55 | S 17 |
| M18 | 8 9 35 | 3°36'07 | 24° 9 | 7°26 | 14°24 | 29°45 | 16°27 | 25°52 | 28°56 | 19°57 | 21°18 | 26°R 1 | 24°37 | 14°10 | 19°59 | M18 |
| T 19 | 8 13 31 | 4°36'54 | 8♑53 | 6°18 | 15°39 | 0♒32 | 16°30 | 25°55 | 28°57 | 19°57 | 21°17 | 26° 0 | 24°33 | 14°16 | 20° 3 | T 19 |
| W20 | 8 17 28 | 5°37'39 | 23°38 | 5° 8 | 16°54 | 1°20 | 16°33 | 25°58 | 28°57 | 19°57 | 21°15 | 25°58 | 24°30 | 14°23 | 20° 7 | W20 |
| T 21 | 8 21 25 | 6°38'23 | 8♒16 | 3°57 | 18° 9 | 2° 7 | 16°36 | 26° 1 | 28°58 | 19°56 | 21°14 | 25°53 | 24°27 | 14°29 | 20°11 | T 21 |
| F 22 | 8 25 21 | 7°39'05 | 22°41 | 2°47 | 19°24 | 2°54 | 16°39 | 26° 5 | 28°58 | 19°56 | 21°12 | 25°47 | 24°24 | 14°36 | 20°14 | F 22 |
| S 23 | 8 29 18 | 8°39'46 | 6♓46 | 1°40 | 20°39 | 3°41 | 16°43 | 26° 8 | 28°58 | 19°56 | 21°11 | 25°40 | 24°21 | 14°43 | 20°18 | S 23 |
| S 24 | 8 33 14 | 9°40'25 | 20°27 | 0°38 | 21°54 | 4°29 | 16°46 | 26°12 | 28°58 | 19°56 | 21° 9 | 25°32 | 24°18 | 14°49 | 20°22 | S 24 |
| M25 | 8 37 11 | 10°41'02 | 3♈42 | 29♑41 | 23° 8 | 5°16 | 16°50 | 26°15 | 28°59 | 19°55 | 21° 8 | 25°26 | 24°14 | 14°56 | 20°25 | M25 |
| T 26 | 8 41 7 | 11°41'37 | 16°33 | 28°51 | 24°23 | 6° 3 | 16°54 | 26°19 | 28°59 | 19°55 | 21° 6 | 25°21 | 24°11 | 15° 3 | 20°28 | T 26 |
| W27 | 8 45 4 | 12°42'11 | 29° 1 | 28° 8 | 25°38 | 6°51 | 16°58 | 26°23 | 28°R59 | 19°55 | 21° 5 | 25°18 | 24° 8 | 15° 9 | 20°31 | W27 |
| T 28 | 8 49 0 | 13°42'43 | 11♉11 | 27°32 | 26°53 | 7°38 | 17° 3 | 26°27 | 28°59 | 19°54 | 21° 3 | 25°D16 | 24° 5 | 15°16 | 20°34 | T 28 |
| F 29 | 8 52 57 | 14°43'13 | 23° 9 | 27° 5 | 28° 8 | 8°25 | 17° 7 | 26°31 | 28°59 | 19°54 | 21° 2 | 25°17 | 24° 2 | 15°23 | 20°37 | F 29 |
| S 30 | 8 56 54 | 15°43'41 | 4♊58 | 26°44 | 29°22 | 9°13 | 17°12 | 26°35 | 28°59 | 19°53 | 21° 0 | 25°18 | 23°58 | 15°29 | 20°40 | S 30 |
| S 31 | 9 0 50 | 16♒44'07 | 16♊45 | 26♑31 | 0♒37 | 10♒ 0 | 17♉17 | 26♈39 | 28♎58 | 19♎53 | 20♌59 | 25♐19 | 23♐55 | 15♊36 | 20♏43 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s34 | 19n45 | 3n30 | 20s 6 | 0s51 | 22s56 | 0n28 | 23s32 | 0s59 | 15n57 | 0s51 | 7n32 | 2s28 | 10s34 | 0n31 | 6s 8 | 1n49 | 26n 7 | 12n29 | 23s31 | 23s30 | 23n34 | 16s25 | 1n 6 | F 1 |
| S 2 | 22 26 | 22 5 | 2 37 | 19 36 | 0 39 | 23 2 | 0 25 | 23 27 | 1 0 | 15 57 | 0 51 | 7 33 | 2 28 | 10 35 | 0 31 | 6 8 | 1 49 | 26 8 | 12 29 | 23 31 | 23 30 | 23 34 | 16 26 | 1 6 | S 2 |
| S 3 | 22 18 | 23 27 | 1 37 | 19 6 | 0 27 | 23 8 | 0 22 | 23 21 | 1 0 | 15 57 | 0 51 | 7 33 | 2 28 | 10 35 | 0 31 | 6 8 | 1 49 | 26 9 | 12 30 | 23 31 | 23 30 | 23 34 | 16 28 | 1 6 | S 3 |
| M 4 | 22 10 | 23 47 | 0 34 | 18 36 | 0 13 | 23 13 | 0 20 | 23 15 | 1 0 | 15 58 | 0 51 | 7 34 | 2 27 | 10 36 | 0 31 | 6 9 | 1 49 | 26 9 | 12 30 | 23 31 | 23 29 | 23 34 | 16 29 | 1 7 | M 4 |
| T 5 | 22 1 | 23 1 | 0s32 | 18 7 | 0n 1 | 23 17 | 0 17 | 23 8 | 1 0 | 15 58 | 0 50 | 7 35 | 2 27 | 10 36 | 0 31 | 6 9 | 1 49 | 26 10 | 12 30 | 23 31 | 23 29 | 23 34 | 16 30 | 1 7 | T 5 |
| W 6 | 21 51 | 21 13 | 1 36 | 17 38 | 0 16 | 23 20 | 0 14 | 23 2 | 1 1 | 15 58 | 0 50 | 7 36 | 2 27 | 10 37 | 0 31 | 6 9 | 1 49 | 26 11 | 12 30 | 23 31 | 23 29 | 23 34 | 16 31 | 1 7 | W 6 |
| T 7 | 21 42 | 18 25 | 2 37 | 17 11 | 0 32 | 23 23 | 0 12 | 22 55 | 1 1 | 15 58 | 0 50 | 7 37 | 2 27 | 10 37 | 0 31 | 6 9 | 1 49 | 26 11 | 12 31 | 23 31 | 23 29 | 23 34 | 16 32 | 1 8 | T 7 |
| F 8 | 21 31 | 14 47 | 3 32 | 16 45 | 0 49 | 23 25 | 0 9 | 22 47 | 1 1 | 15 59 | 0 50 | 7 38 | 2 26 | 10 37 | 0 31 | 6 9 | 1 50 | 26 12 | 12 31 | 23 31 | 23 29 | 23 34 | 16 33 | 1 8 | F 8 |
| S 9 | 21 21 | 10 28 | 4 17 | 16 22 | 1 6 | 23 26 | 0 6 | 22 40 | 1 1 | 15 59 | 0 49 | 7 39 | 2 26 | 10 38 | 0 31 | 6 9 | 1 50 | 26 13 | 12 31 | 23 31 | 23 29 | 23 34 | 16 34 | 1 8 | S 9 |
| S 10 | 21 10 | 5 38 | 4 50 | 16 1 | 1 24 | 23 26 | 0 4 | 22 32 | 1 2 | 16 0 | 0 49 | 7 40 | 2 26 | 10 38 | 0 31 | 6 9 | 1 50 | 26 13 | 12 31 | 23 31 | 23 29 | 23 34 | 16 35 | 1 9 | S 10 |
| M11 | 20 58 | 0 30 | 5 9 | 15 43 | 1 42 | 23 26 | 0 1 | 22 24 | 1 2 | 16 0 | 0 49 | 7 41 | 2 25 | 10 38 | 0 31 | 6 9 | 1 50 | 26 14 | 12 32 | 23 31 | 23 29 | 23 34 | 16 36 | 1 9 | M11 |
| T 12 | 20 46 | 4s45 | 5 12 | 15 28 | 1 59 | 23 25 | 0s 2 | 22 16 | 1 2 | 16 1 | 0 48 | 7 42 | 2 25 | 10 39 | 0 31 | 6 9 | 1 50 | 26 15 | 12 32 | 23 31 | 23 28 | 23 34 | 16 37 | 1 9 | T 12 |
| W13 | 20 34 | 9 53 | 4 59 | 15 16 | 2 17 | 23 23 | 0 4 | 22 7 | 1 2 | 16 2 | 0 48 | 7 43 | 2 25 | 10 39 | 0 31 | 6 9 | 1 50 | 26 15 | 12 32 | 23 31 | 23 28 | 23 34 | 16 37 | 1 10 | W13 |
| T 14 | 20 22 | 14 38 | 4 28 | 15 8 | 2 33 | 23 21 | 0 7 | 21 58 | 1 2 | 16 3 | 0 48 | 7 44 | 2 24 | 10 39 | 0 31 | 6 9 | 1 50 | 26 16 | 12 32 | 23 31 | 23 28 | 23 34 | 16 38 | 1 10 | T 14 |
| F 15 | 20 9 | 18 42 | 3 42 | 15 4 | 2 49 | 23 18 | 0 9 | 21 49 | 1 3 | 16 3 | 0 48 | 7 46 | 2 24 | 10 39 | 0 31 | 6 9 | 1 50 | 26 17 | 12 33 | 23 31 | 23 28 | 23 34 | 16 39 | 1 10 | F 15 |
| S 16 | 19 55 | 21 45 | 2 41 | 15 3 | 3 3 | 23 14 | 0 12 | 21 40 | 1 3 | 16 4 | 0 47 | 7 47 | 2 24 | 10 40 | 0 31 | 6 9 | 1 50 | 26 17 | 12 33 | 23 31 | 23 28 | 23 33 | 16 40 | 1 11 | S 16 |
| S 17 | 19 41 | 23 28 | 1 29 | 15 6 | 3 15 | 23 9 | 0 14 | 21 31 | 1 3 | 16 5 | 0 47 | 7 48 | 2 24 | 10 40 | 0 32 | 6 9 | 1 50 | 26 18 | 12 33 | 23 31 | 23 28 | 23 33 | 16 41 | 1 11 | S 17 |
| M18 | 19 27 | 23 37 | 0 10 | 15 12 | 3 26 | 23 4 | 0 17 | 21 21 | 1 3 | 16 6 | 0 47 | 7 49 | 2 23 | 10 40 | 0 32 | 6 8 | 1 50 | 26 19 | 12 33 | 23 31 | 23 28 | 23 33 | 16 41 | 1 11 | M18 |
| T 19 | 19 13 | 22 7 | 1n10 | 15 21 | 3 34 | 22 58 | 0 19 | 21 11 | 1 3 | 16 7 | 0 47 | 7 51 | 2 23 | 10 40 | 0 32 | 6 8 | 1 50 | 26 19 | 12 33 | 23 31 | 23 28 | 23 33 | 16 42 | 1 12 | T 19 |
| W20 | 18 58 | 19 7 | 2 25 | 15 32 | 3 40 | 22 52 | 0 22 | 21 0 | 1 4 | 16 8 | 0 46 | 7 52 | 2 23 | 10 40 | 0 32 | 6 8 | 1 50 | 26 20 | 12 34 | 23 31 | 23 27 | 23 33 | 16 43 | 1 12 | W20 |
| T 21 | 18 43 | 14 56 | 3 29 | 15 45 | 3 43 | 22 44 | 0 24 | 20 50 | 1 4 | 16 9 | 0 46 | 7 54 | 2 22 | 10 40 | 0 32 | 6 8 | 1 50 | 26 21 | 12 34 | 23 30 | 23 27 | 23 33 | 16 43 | 1 12 | T 21 |
| F 22 | 18 28 | 9 56 | 4 20 | 16 0 | 3 44 | 22 36 | 0 27 | 20 39 | 1 4 | 16 10 | 0 46 | 7 55 | 2 22 | 10 40 | 0 32 | 6 8 | 1 50 | 26 21 | 12 34 | 23 30 | 23 27 | 23 33 | 16 44 | 1 13 | F 22 |
| S 23 | 18 12 | 4 33 | 4 53 | 16 16 | 3 43 | 22 27 | 0 29 | 20 28 | 1 4 | 16 12 | 0 46 | 7 57 | 2 22 | 10 41 | 0 32 | 6 8 | 1 51 | 26 22 | 12 34 | 23 30 | 23 27 | 23 33 | 16 45 | 1 13 | S 23 |
| S 24 | 17 56 | 0n55 | 5 8 | 16 33 | 3 40 | 22 18 | 0 32 | 20 17 | 1 4 | 16 13 | 0 45 | 7 58 | 2 22 | 10 41 | 0 32 | 6 8 | 1 51 | 26 23 | 12 34 | 23 30 | 23 27 | 23 33 | 16 45 | 1 14 | S 24 |
| M25 | 17 39 | 6 9 | 5 6 | 16 50 | 3 35 | 22 8 | 0 34 | 20 6 | 1 4 | 16 14 | 0 45 | 8 0 | 2 21 | 10 41 | 0 32 | 6 8 | 1 51 | 26 23 | 12 34 | 23 30 | 23 27 | 23 33 | 16 46 | 1 14 | M25 |
| T 26 | 17 22 | 10 58 | 4 49 | 17 7 | 3 28 | 21 57 | 0 36 | 19 54 | 1 4 | 16 16 | 0 45 | 8 1 | 2 21 | 10 41 | 0 32 | 6 7 | 1 51 | 26 24 | 12 35 | 23 29 | 23 27 | 23 33 | 16 46 | 1 14 | T 26 |
| W27 | 17 5 | 15 12 | 4 18 | 17 24 | 3 19 | 21 46 | 0 38 | 19 42 | 1 5 | 16 17 | 0 45 | 8 3 | 2 21 | 10 41 | 0 32 | 6 7 | 1 51 | 26 25 | 12 35 | 23 29 | 23 27 | 23 32 | 16 47 | 1 15 | W27 |
| T 28 | 16 48 | 18 41 | 3 36 | 17 40 | 3 10 | 21 34 | 0 41 | 19 30 | 1 5 | 16 19 | 0 44 | 8 5 | 2 20 | 10 41 | 0 32 | 6 7 | 1 51 | 26 25 | 12 35 | 23 29 | 23 26 | 23 32 | 16 47 | 1 15 | T 28 |
| F 29 | 16 30 | 21 19 | 2 45 | 17 56 | 2 59 | 21 21 | 0 43 | 19 18 | 1 5 | 16 20 | 0 44 | 8 6 | 2 20 | 10 41 | 0 32 | 6 7 | 1 51 | 26 26 | 12 35 | 23 29 | 23 26 | 23 32 | 16 48 | 1 15 | F 29 |
| S 30 | 16 13 | 23 1 | 1 48 | 18 11 | 2 48 | 21 8 | 0 45 | 19 5 | 1 5 | 16 22 | 0 44 | 8 8 | 2 20 | 10 41 | 0 32 | 6 6 | 1 51 | 26 27 | 12 35 | 23 29 | 23 26 | 23 32 | 16 48 | 1 16 | S 30 |
| S 31 | 15s54 | 23n40 | 0n46 | 18s25 | 2n36 | 20s54 | 0s47 | 18s53 | 1s 5 | 16n23 | 0s44 | 8n10 | 2s20 | 10s40 | 0n32 | 6s 6 | 1n51 | 26n27 | 12n35 | 23s29 | 23s26 | 23n32 | 16s48 | 1n16 | S 31 |

Julian Day Number = 2074985.5, Delta T = 27m04s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'17, Lahiri = 9°29'18 Julian Calendar 1 Jan. 969 == Greg. Calendar 6 Jan. 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## FEBRUARY 969 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 4 47 | 17♒44'31 | 28♊35 | 26°D26 | 1♒52 | 10♒47 | 17♉22 | 26♈43 | 28°R58 | 19°R52 | 20°R57 | 25°R19 | 23♐52 | 15♊43 | 20♏46 | M 1 |
| T 2 | 9 8 43 | 18°44'54 | 10♋31 | 26♉27 | 3° 7 | 11°35 | 17°27 | 26°47 | 28♎58 | 19♎52 | 20♌56 | 25♐18 | 23°49 | 15°49 | 20°48 | T 2 |
| W 3 | 9 12 40 | 19°45'14 | 22°38 | 26°35 | 4°21 | 12°22 | 17°33 | 26°52 | 28°58 | 19°51 | 20°54 | 25°14 | 23°46 | 15°56 | 20°51 | W 3 |
| T 4 | 9 16 36 | 20°45'33 | 4♌58 | 26°49 | 5°36 | 13° 9 | 17°38 | 26°56 | 28°57 | 19°51 | 20°52 | 25° 8 | 23°43 | 16° 3 | 20°53 | T 4 |
| F 5 | 9 20 33 | 21°45'49 | 17°33 | 27° 9 | 6°51 | 13°57 | 17°44 | 27° 1 | 28°57 | 19°50 | 20°51 | 25° 0 | 23°39 | 16° 9 | 20°55 | F 5 |
| S 6 | 9 24 29 | 22°46'04 | 0♍23 | 27°34 | 8° 6 | 14°44 | 17°50 | 27° 6 | 28°56 | 19°49 | 20°49 | 24°50 | 23°36 | 16°16 | 20°58 | S 6 |
| S 7 | 9 28 26 | 23°46'17 | 13°28 | 28° 4 | 9°20 | 15°31 | 17°56 | 27°10 | 28°56 | 19°49 | 20°48 | 24°39 | 23°33 | 16°22 | 21° 0 | S 7 |
| M 8 | 9 32 23 | 24°46'28 | 26°46 | 28°39 | 10°35 | 16°19 | 18° 3 | 27°15 | 28°55 | 19°48 | 20°46 | 24°29 | 23°30 | 16°29 | 21° 2 | M 8 |
| T 9 | 9 36 19 | 25°46'38 | 10♎16 | 29°18 | 11°50 | 17° 6 | 18° 9 | 27°20 | 28°55 | 19°47 | 20°45 | 24°20 | 23°27 | 16°36 | 21° 3 | T 9 |
| W10 | 9 40 16 | 26°46'46 | 23°56 | 0♒ 1 | 13° 5 | 17°53 | 18°16 | 27°25 | 28°54 | 19°46 | 20°43 | 24°13 | 23°24 | 16°42 | 21° 5 | W10 |
| T 11 | 9 44 12 | 27°46'52 | 7♏44 | 0°48 | 14°19 | 18°41 | 18°22 | 27°30 | 28°53 | 19°45 | 20°42 | 24° 9 | 23°20 | 16°49 | 21° 7 | T 11 |
| F 12 | 9 48 9 | 28°46'57 | 21°40 | 1°38 | 15°34 | 19°28 | 18°29 | 27°35 | 28°52 | 19°45 | 20°40 | 24° 7 | 23°17 | 16°56 | 21° 8 | F 12 |
| S 13 | 9 52 5 | 29°47'00 | 5♐43 | 2°32 | 16°49 | 20°15 | 18°36 | 27°41 | 28°51 | 19°44 | 20°39 | 24°D 7 | 23°14 | 17° 2 | 21°10 | S 13 |
| S 14 | 9 56 2 | 0♓47'02 | 19°52 | 3°28 | 18° 3 | 21° 2 | 18°43 | 27°46 | 28°51 | 19°43 | 20°37 | 24°R 7 | 23°11 | 17° 9 | 21°11 | S 14 |
| M15 | 9 59 58 | 1°47'02 | 4♉ 6 | 4°28 | 19°18 | 21°50 | 18°51 | 27°51 | 28°50 | 19°42 | 20°36 | 24° 7 | 23° 8 | 17°16 | 21°12 | M15 |
| T 16 | 10 3 55 | 2°47'00 | 18°24 | 5°29 | 20°33 | 22°37 | 18°58 | 27°57 | 28°49 | 19°41 | 20°34 | 24° 5 | 23° 4 | 17°22 | 21°13 | T 16 |
| W17 | 10 7 52 | 3°46'56 | 2♒42 | 6°34 | 21°47 | 23°24 | 19° 6 | 28° 2 | 28°48 | 19°40 | 20°33 | 24° 0 | 23° 1 | 17°29 | 21°14 | W17 |
| T 18 | 10 11 48 | 4°46'51 | 16°56 | 7°41 | 23° 2 | 24°11 | 19°14 | 28° 8 | 28°46 | 19°39 | 20°31 | 23°52 | 22°58 | 17°36 | 21°15 | T 18 |
| F 19 | 10 15 45 | 5°46'44 | 1♓ 0 | 8°50 | 24°17 | 24°58 | 19°22 | 28°14 | 28°45 | 19°38 | 20°30 | 23°42 | 22°55 | 17°42 | 21°16 | F 19 |
| S 20 | 10 19 41 | 6°46'34 | 14°50 | 10° 1 | 25°31 | 25°46 | 19°30 | 28°19 | 28°44 | 19°37 | 20°28 | 23°30 | 22°52 | 17°49 | 21°17 | S 20 |
| S 21 | 10 23 38 | 7°46'23 | 28°21 | 11°14 | 26°46 | 26°33 | 19°38 | 28°25 | 28°43 | 19°36 | 20°27 | 23°18 | 22°49 | 17°56 | 21°17 | S 21 |
| M22 | 10 27 34 | 8°46'09 | 11♈32 | 12°29 | 28° 1 | 27°20 | 19°46 | 28°31 | 28°42 | 19°34 | 20°25 | 23° 7 | 22°45 | 18° 2 | 21°18 | M22 |
| T 23 | 10 31 31 | 9°45'54 | 24°21 | 13°45 | 29°15 | 28° 7 | 19°55 | 28°37 | 28°40 | 19°33 | 20°24 | 22°57 | 22°42 | 18° 9 | 21°18 | T 23 |
| W24 | 10 35 27 | 10°45'36 | 6♉50 | 15° 4 | 0♓30 | 28°54 | 20° 3 | 28°43 | 28°39 | 19°32 | 20°23 | 22°50 | 22°39 | 18°15 | 21°19 | W24 |
| T 25 | 10 39 24 | 11°45'16 | 19° 2 | 16°24 | 1°44 | 29°41 | 20°12 | 28°49 | 28°37 | 19°31 | 20°21 | 22°46 | 22°36 | 18°22 | 21°19 | T 25 |
| F 26 | 10 43 20 | 12°44'53 | 1♊ 0 | 17°46 | 2°59 | 0♓28 | 20°21 | 28°55 | 28°36 | 19°30 | 20°20 | 22°44 | 22°33 | 18°29 | 21°R19 | F 26 |
| S 27 | 10 47 17 | 13°44'28 | 12°50 | 19° 9 | 4°13 | 1°15 | 20°30 | 29° 2 | 28°34 | 19°28 | 20°18 | 22°D43 | 22°30 | 18°35 | 21°19 | S 27 |
| S 28 | 10 51 14 | 14♓44'01 | 24♊38 | 20♒34 | 5♓28 | 2♓ 2 | 20♉39 | 29♈ 8 | 28♎33 | 19♎27 | 20♌17 | 22°R43 | 22♐26 | 18♊42 | 21♏19 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 15s36 | 23n16 | 0s18 | 18s38 | 2n24 | 20s39 | 0s49 | 18s40 | 1s 5 | 16n25 | 0s43 | 8n12 | 2s19 | 10s40 | 0n32 | 6s 6 | 1n51 | 26n28 | 12n35 | 23s29 | 23s26 | 23n32 | 16s49 | 1n17 | M 1 |
| T 2 | 15 17 | 21 49 | 1 21 | 18 50 | 2 11 | 20 24 | 0 51 | 18 27 | 1 5 | 16 27 | 0 43 | 8 13 | 2 19 | 10 40 | 0 32 | 6 6 | 1 51 | 26 28 | 12 35 | 23 29 | 23 26 | 23 32 | 16 49 | 1 17 | T 2 |
| W 3 | 14 58 | 19 20 | 2 21 | 19 1 | 1 58 | 20 8 | 0 53 | 18 14 | 1 5 | 16 29 | 0 43 | 8 15 | 2 19 | 10 40 | 0 32 | 6 5 | 1 51 | 26 29 | 12 35 | 23 29 | 23 25 | 23 31 | 16 49 | 1 17 | W 3 |
| T 4 | 14 39 | 15 57 | 3 16 | 19 11 | 1 46 | 19 52 | 0 55 | 18 0 | 1 5 | 16 30 | 0 43 | 8 17 | 2 19 | 10 40 | 0 32 | 6 5 | 1 51 | 26 30 | 12 36 | 23 29 | 23 25 | 23 31 | 16 50 | 1 18 | T 4 |
| F 5 | 14 20 | 11 48 | 4 3 | 19 20 | 1 33 | 19 35 | 0 57 | 17 47 | 1 5 | 16 32 | 0 42 | 8 19 | 2 18 | 10 40 | 0 32 | 6 5 | 1 51 | 26 30 | 12 36 | 23 29 | 23 25 | 23 31 | 16 50 | 1 18 | F 5 |
| S 6 | 14 0 | 7 4 | 4 37 | 19 27 | 1 20 | 19 17 | 0 59 | 17 33 | 1 5 | 16 34 | 0 42 | 8 21 | 2 18 | 10 40 | 0 32 | 6 5 | 1 51 | 26 31 | 12 36 | 23 28 | 23 25 | 23 31 | 16 50 | 1 18 | S 6 |
| S 7 | 13 40 | 1 56 | 4 59 | 19 33 | 1 8 | 18 59 | 1 0 | 17 19 | 1 5 | 16 36 | 0 42 | 8 23 | 2 18 | 10 39 | 0 32 | 6 4 | 1 51 | 26 31 | 12 36 | 23 28 | 23 25 | 23 31 | 16 50 | 1 19 | S 7 |
| M 8 | 13 20 | 3s21 | 5 4 | 19 38 | 0 56 | 18 40 | 1 2 | 17 5 | 1 5 | 16 38 | 0 42 | 8 25 | 2 18 | 10 39 | 0 32 | 6 4 | 1 51 | 26 32 | 12 36 | 23 27 | 23 25 | 23 31 | 16 50 | 1 19 | M 8 |
| T 9 | 13 0 | 8 34 | 4 53 | 19 42 | 0 44 | 18 21 | 1 4 | 16 50 | 1 5 | 16 40 | 0 41 | 8 27 | 2 17 | 10 39 | 0 32 | 6 4 | 1 52 | 26 32 | 12 36 | 23 27 | 23 25 | 23 30 | 16 50 | 1 20 | T 9 |
| W10 | 12 39 | 13 26 | 4 25 | 19 44 | 0 32 | 18 2 | 1 5 | 16 36 | 1 5 | 16 42 | 0 41 | 8 29 | 2 17 | 10 39 | 0 32 | 6 3 | 1 52 | 26 33 | 12 36 | 23 27 | 23 24 | 23 30 | 16 51 | 1 20 | W10 |
| T 11 | 12 19 | 17 39 | 3 41 | 19 45 | 0 21 | 17 41 | 1 7 | 16 21 | 1 5 | 16 44 | 0 41 | 8 31 | 2 17 | 10 38 | 0 32 | 6 3 | 1 52 | 26 34 | 12 36 | 23 27 | 23 24 | 23 30 | 16 51 | 1 20 | T 11 |
| F 12 | 11 58 | 20 55 | 2 44 | 19 45 | 0 10 | 17 21 | 1 8 | 16 6 | 1 6 | 16 46 | 0 41 | 8 33 | 2 17 | 10 38 | 0 32 | 6 2 | 1 52 | 26 34 | 12 36 | 23 26 | 23 24 | 23 30 | 16 51 | 1 21 | F 12 |
| S 13 | 11 37 | 22 58 | 1 37 | 19 43 | 0s 1 | 17 0 | 1 10 | 15 51 | 1 6 | 16 49 | 0 40 | 8 35 | 2 16 | 10 38 | 0 32 | 6 2 | 1 52 | 26 35 | 12 36 | 23 26 | 23 24 | 23 29 | 16 51 | 1 21 | S 13 |
| S 14 | 11 15 | 23 34 | 0 23 | 19 40 | 0 11 | 16 38 | 1 11 | 15 36 | 1 5 | 16 51 | 0 40 | 8 37 | 2 16 | 10 37 | 0 32 | 6 2 | 1 52 | 26 35 | 12 36 | 23 26 | 23 24 | 23 29 | 16 51 | 1 22 | S 14 |
| M15 | 10 54 | 22 38 | 0n53 | 19 36 | 0 21 | 16 16 | 1 13 | 15 21 | 1 5 | 16 53 | 0 40 | 8 39 | 2 16 | 10 37 | 0 32 | 6 1 | 1 52 | 26 36 | 12 36 | 23 26 | 23 24 | 23 29 | 16 51 | 1 22 | M15 |
| T 16 | 10 32 | 20 14 | 2 5 | 19 30 | 0 31 | 15 53 | 1 14 | 15 5 | 1 5 | 16 55 | 0 40 | 8 41 | 2 16 | 10 37 | 0 32 | 6 1 | 1 52 | 26 36 | 12 36 | 23 26 | 23 23 | 23 29 | 16 50 | 1 22 | T 16 |
| W17 | 10 11 | 16 35 | 3 10 | 19 23 | 0 40 | 15 30 | 1 15 | 14 49 | 1 5 | 16 58 | 0 40 | 8 44 | 2 16 | 10 36 | 0 32 | 6 0 | 1 52 | 26 37 | 12 36 | 23 26 | 23 23 | 23 29 | 16 50 | 1 23 | W17 |
| T 18 | 9 49 | 12 0 | 4 2 | 19 14 | 0 49 | 15 7 | 1 16 | 14 34 | 1 5 | 17 0 | 0 39 | 8 46 | 2 15 | 10 36 | 0 32 | 6 0 | 1 52 | 26 37 | 12 36 | 23 26 | 23 23 | 23 28 | 16 50 | 1 23 | T 18 |
| F 19 | 9 27 | 6 50 | 4 39 | 19 5 | 0 57 | 14 43 | 1 17 | 14 18 | 1 5 | 17 2 | 0 39 | 8 48 | 2 15 | 10 35 | 0 32 | 6 0 | 1 52 | 26 38 | 12 36 | 23 25 | 23 23 | 23 28 | 16 50 | 1 24 | F 19 |
| S 20 | 9 4 | 1 25 | 4 58 | 18 53 | 1 5 | 14 19 | 1 18 | 14 2 | 1 5 | 17 5 | 0 39 | 8 50 | 2 15 | 10 35 | 0 32 | 5 59 | 1 52 | 26 38 | 12 36 | 23 25 | 23 23 | 23 28 | 16 50 | 1 24 | S 20 |
| S 21 | 8 42 | 3n56 | 5 0 | 18 40 | 1 13 | 13 54 | 1 19 | 13 45 | 1 5 | 17 7 | 0 39 | 8 53 | 2 15 | 10 35 | 0 32 | 5 59 | 1 52 | 26 39 | 12 36 | 23 24 | 23 23 | 23 27 | 16 50 | 1 24 | S 21 |
| M22 | 8 20 | 8 58 | 4 46 | 18 26 | 1 20 | 13 29 | 1 20 | 13 29 | 1 5 | 17 10 | 0 38 | 8 55 | 2 14 | 10 34 | 0 32 | 5 58 | 1 52 | 26 39 | 12 36 | 23 24 | 23 22 | 23 27 | 16 49 | 1 25 | M22 |
| T 23 | 7 57 | 13 29 | 4 18 | 18 11 | 1 27 | 13 4 | 1 21 | 13 13 | 1 5 | 17 12 | 0 38 | 8 57 | 2 14 | 10 34 | 0 32 | 5 58 | 1 52 | 26 39 | 12 36 | 23 23 | 23 22 | 23 27 | 16 49 | 1 25 | T 23 |
| W24 | 7 34 | 17 18 | 3 38 | 17 54 | 1 34 | 12 38 | 1 22 | 12 56 | 1 5 | 17 15 | 0 38 | 8 59 | 2 14 | 10 33 | 0 32 | 5 57 | 1 52 | 26 40 | 12 36 | 23 23 | 23 22 | 23 27 | 16 49 | 1 26 | W24 |
| T 25 | 7 12 | 20 17 | 2 49 | 17 36 | 1 40 | 12 12 | 1 23 | 12 39 | 1 5 | 17 17 | 0 38 | 9 2 | 2 14 | 10 33 | 0 32 | 5 57 | 1 52 | 26 40 | 12 36 | 23 22 | 23 22 | 23 26 | 16 48 | 1 26 | T 25 |
| F 26 | 6 49 | 22 19 | 1 53 | 17 16 | 1 45 | 11 46 | 1 23 | 12 23 | 1 5 | 17 20 | 0 38 | 9 4 | 2 14 | 10 32 | 0 32 | 5 56 | 1 52 | 26 41 | 12 36 | 23 22 | 23 22 | 23 26 | 16 48 | 1 26 | F 26 |
| S 27 | 6 26 | 23 20 | 0 52 | 16 55 | 1 51 | 11 19 | 1 24 | 12 6 | 1 5 | 17 22 | 0 37 | 9 7 | 2 13 | 10 31 | 0 32 | 5 56 | 1 52 | 26 41 | 12 35 | 23 22 | 23 22 | 23 26 | 16 48 | 1 27 | S 27 |
| S 28 | 6s 3 | 23n18 | 0s10 | 16s32 | 1s55 | 10s52 | 1s24 | 11s49 | 1s 5 | 17n25 | 0s37 | 9n 9 | 2s13 | 10s31 | 0n32 | 5s55 | 1n52 | 26n41 | 12n35 | 23s22 | 23s21 | 23n25 | 16s47 | 1n27 | S 28 |

Julian Day Number = 2075016.5, Delta T = 27m03s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'21, Lahiri = 9°29'22 Julian Calendar 1 Feb. 969 == Greg. Calendar 6 Feb. 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## MARCH 969 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 55 10 | 15♓43'32 | 6♋29 | 22♒ 0 | 6♓43 | 2♓49 | 20♉48 | 29♈14 | 28°R31 | 19°R26 | 20°R16 | 22°R43 | 22♐23 | 18♊49 | 21°R18 | M 1 |
| T 2 | 10 59 7 | 16°43'00 | 18°28 | 23°28 | 7°57 | 3°36 | 20°58 | 29°21 | 28♎30 | 19♎25 | 20♌14 | 22♐41 | 22°20 | 18°55 | 21♏18 | T 2 |
| W 3 | 11 3 3 | 17°42'26 | 0♌40 | 24°57 | 9°11 | 4°23 | 21° 7 | 29°27 | 28°28 | 19°23 | 20°13 | 22°36 | 22°17 | 19° 2 | 21°17 | W 3 |
| T 4 | 11 7 0 | 18°41'49 | 13° 8 | 26°28 | 10°26 | 5°10 | 21°17 | 29°33 | 28°26 | 19°22 | 20°12 | 22°29 | 22°14 | 19° 9 | 21°17 | T 4 |
| F 5 | 11 10 56 | 19°41'11 | 25°56 | 28° 0 | 11°40 | 5°57 | 21°27 | 29°40 | 28°25 | 19°21 | 20°10 | 22°19 | 22°10 | 19°15 | 21°16 | F 5 |
| S 6 | 11 14 53 | 20°40'30 | 9♍ 4 | 29°33 | 12°55 | 6°44 | 21°36 | 29°47 | 28°23 | 19°19 | 20° 9 | 22° 7 | 22° 7 | 19°22 | 21°15 | S 6 |
| S 7 | 11 18 49 | 21°39'47 | 22°30 | 1♓ 8 | 14° 9 | 7°31 | 21°46 | 29°53 | 28°21 | 19°18 | 20° 8 | 21°54 | 22° 4 | 19°29 | 21°14 | S 7 |
| M 8 | 11 22 46 | 22°39'01 | 6♎13 | 2°45 | 15°24 | 8°18 | 21°56 | 29°59 | 28°19 | 19°16 | 20° 6 | 21°41 | 22° 1 | 19°35 | 21°14 | M 8 |
| T 9 | 11 26 43 | 23°38'14 | 20° 9 | 4°22 | 16°38 | 9° 4 | 22° 6 | 0♉ 7 | 28°17 | 19°15 | 20° 5 | 21°31 | 21°58 | 19°42 | 21°12 | T 9 |
| W10 | 11 30 39 | 24°37'25 | 4♏14 | 6° 1 | 17°53 | 9°51 | 22°17 | 0°13 | 28°15 | 19°14 | 20° 4 | 21°22 | 21°55 | 19°48 | 21°11 | W10 |
| T 11 | 11 34 36 | 25°36'34 | 18°23 | 7°42 | 19° 7 | 10°38 | 22°27 | 0°20 | 28°13 | 19°12 | 20° 3 | 21°17 | 21°51 | 19°55 | 21°10 | T 11 |
| F 12 | 11 38 32 | 26°35'41 | 2♐33 | 9°24 | 20°21 | 11°25 | 22°37 | 0°27 | 28°11 | 19°11 | 20° 2 | 21°14 | 21°48 | 20° 2 | 21° 9 | F 12 |
| S 13 | 11 42 29 | 27°34'47 | 16°42 | 11° 7 | 21°36 | 12°11 | 22°48 | 0°34 | 28° 9 | 19° 9 | 20° 0 | 21°13 | 21°45 | 20° 8 | 21° 7 | S 13 |
| S 14 | 11 46 25 | 28°33'51 | 0♑49 | 12°52 | 22°50 | 12°58 | 22°59 | 0°41 | 28° 7 | 19° 8 | 19°59 | 21°13 | 21°42 | 20°15 | 21° 6 | S 14 |
| M15 | 11 50 22 | 29°32'52 | 14°52 | 14°38 | 24° 4 | 13°45 | 23° 9 | 0°48 | 28° 5 | 19° 6 | 19°58 | 21°13 | 21°39 | 20°22 | 21° 4 | M15 |
| T 16 | 11 54 18 | 0♈31'53 | 28°51 | 16°25 | 25°19 | 14°31 | 23°20 | 0°55 | 28° 3 | 19° 5 | 19°57 | 21°10 | 21°35 | 20°28 | 21° 2 | T 16 |
| W17 | 11 58 15 | 1°30'51 | 12♒45 | 18°14 | 26°33 | 15°18 | 23°31 | 1° 2 | 28° 1 | 19° 3 | 19°56 | 21° 5 | 21°32 | 20°35 | 21° 0 | W17 |
| T 18 | 12 2 12 | 2°29'47 | 26°32 | 20° 5 | 27°47 | 16° 4 | 23°42 | 1° 9 | 27°59 | 19° 2 | 19°55 | 20°57 | 21°29 | 20°42 | 20°58 | T 18 |
| F 19 | 12 6 8 | 3°28'42 | 10♓11 | 21°57 | 29° 2 | 16°51 | 23°53 | 1°16 | 27°56 | 19° 0 | 19°54 | 20°47 | 21°26 | 20°48 | 20°56 | F 19 |
| S 20 | 12 10 5 | 4°27'34 | 23°37 | 23°50 | 0♈16 | 17°37 | 24° 4 | 1°24 | 27°54 | 18°58 | 19°53 | 20°35 | 21°23 | 20°55 | 20°54 | S 20 |
| S 21 | 12 14 1 | 5°26'25 | 6♈49 | 25°45 | 1°30 | 18°24 | 24°16 | 1°31 | 27°52 | 18°57 | 19°52 | 20°23 | 21°20 | 21° 2 | 20°52 | S 21 |
| M22 | 12 17 58 | 6°25'13 | 19°44 | 27°42 | 2°45 | 19°10 | 24°27 | 1°38 | 27°50 | 18°55 | 19°51 | 20°11 | 21°16 | 21° 8 | 20°50 | M22 |
| T 23 | 12 21 54 | 7°24'00 | 2♉23 | 29°39 | 3°59 | 19°56 | 24°39 | 1°45 | 27°47 | 18°54 | 19°50 | 20° 1 | 21°13 | 21°15 | 20°47 | T 23 |
| W24 | 12 25 51 | 8°22'44 | 14°46 | 1♈39 | 5°13 | 20°43 | 24°50 | 1°53 | 27°45 | 18°52 | 19°49 | 19°53 | 21°10 | 21°21 | 20°45 | W24 |
| T 25 | 12 29 47 | 9°21'26 | 26°54 | 3°39 | 6°27 | 21°29 | 25° 2 | 2° 0 | 27°43 | 18°50 | 19°48 | 19°48 | 21° 7 | 21°28 | 20°42 | T 25 |
| F 26 | 12 33 44 | 10°20'06 | 8♊51 | 5°41 | 7°41 | 22°15 | 25°13 | 2° 8 | 27°40 | 18°49 | 19°47 | 19°46 | 21° 4 | 21°35 | 20°40 | F 26 |
| S 27 | 12 37 40 | 11°18'44 | 20°41 | 7°44 | 8°56 | 23° 2 | 25°25 | 2°15 | 27°38 | 18°47 | 19°46 | 19°D45 | 21° 1 | 21°41 | 20°37 | S 27 |
| S 28 | 12 41 37 | 12°17'20 | 2♋29 | 9°49 | 10°10 | 23°48 | 25°37 | 2°22 | 27°35 | 18°46 | 19°46 | 19°46 | 20°57 | 21°48 | 20°34 | S 28 |
| M29 | 12 45 34 | 13°15'53 | 14°19 | 11°54 | 11°24 | 24°34 | 25°49 | 2°30 | 27°33 | 18°44 | 19°45 | 19°R46 | 20°54 | 21°55 | 20°31 | M29 |
| T 30 | 12 49 30 | 14°14'24 | 26°19 | 14° 0 | 12°38 | 25°20 | 26° 1 | 2°37 | 27°31 | 18°42 | 19°44 | 19°45 | 20°51 | 22° 1 | 20°28 | T 30 |
| W31 | 12 53 27 | 15♈12'53 | 8♌32 | 16♈ 7 | 13♈52 | 26♓ 6 | 26♉13 | 2♉45 | 27♎28 | 18♎41 | 19♌43 | 19♐43 | 20♐48 | 22♊ 8 | 20♏25 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s40 | 22n13 | 1s12 | 16s 8 | 2s 0 | 10s25 | 1s25 | 11s32 | 1s 5 | 17n28 | 0s37 | 9n11 | 2s13 | 10s30 | 0n32 | 5s55 | 1n53 | 26n42 | 12n35 | 23s22 | 23s21 | 23n25 | 16s47 | 1n28 |
| T 2 | 5 16 | 20 7 | 2 12 | 15 43 | 2 4 | 9 57 | 1 25 | 11 14 | 1 4 | 17 30 | 0 37 | 9 14 | 2 13 | 10 30 | 0 32 | 5 54 | 1 53 | 26 42 | 12 35 | 23 22 | 23 21 | 23 25 | 16 46 | 1 28 |
| W 3 | 4 53 | 17 5 | 3 6 | 15 16 | 2 7 | 9 29 | 1 26 | 10 57 | 1 4 | 17 33 | 0 37 | 9 16 | 2 13 | 10 29 | 0 32 | 5 54 | 1 53 | 26 43 | 12 35 | 23 22 | 23 21 | 23 24 | 16 46 | 1 28 |
| T 4 | 4 30 | 13 14 | 3 53 | 14 48 | 2 10 | 9 1 | 1 26 | 10 40 | 1 4 | 17 36 | 0 36 | 9 19 | 2 13 | 10 28 | 0 32 | 5 53 | 1 53 | 26 43 | 12 35 | 23 21 | 23 21 | 23 24 | 16 45 | 1 29 |
| F 5 | 4 6 | 8 43 | 4 30 | 14 19 | 2 13 | 8 33 | 1 26 | 10 22 | 1 4 | 17 38 | 0 36 | 9 21 | 2 12 | 10 28 | 0 32 | 5 53 | 1 53 | 26 43 | 12 35 | 23 21 | 23 20 | 23 24 | 16 45 | 1 29 |
| S 6 | 3 43 | 3 42 | 4 53 | 13 48 | 2 15 | 8 5 | 1 26 | 10 5 | 1 4 | 17 41 | 0 36 | 9 24 | 2 12 | 10 27 | 0 32 | 5 52 | 1 53 | 26 44 | 12 35 | 23 20 | 23 20 | 23 23 | 16 44 | 1 30 |
| S 7 | 3 19 | 1s36 | 5 0 | 13 15 | 2 17 | 7 36 | 1 26 | 9 47 | 1 4 | 17 44 | 0 36 | 9 26 | 2 12 | 10 27 | 0 32 | 5 51 | 1 53 | 26 44 | 12 35 | 23 19 | 23 20 | 23 23 | 16 43 | 1 30 |
| M 8 | 2 56 | 6 56 | 4 51 | 12 42 | 2 18 | 7 7 | 1 26 | 9 29 | 1 4 | 17 47 | 0 36 | 9 29 | 2 12 | 10 26 | 0 32 | 5 51 | 1 53 | 26 44 | 12 34 | 23 19 | 23 20 | 23 23 | 16 43 | 1 30 |
| T 9 | 2 32 | 11 59 | 4 24 | 12 7 | 2 19 | 6 38 | 1 26 | 9 11 | 1 3 | 17 50 | 0 35 | 9 31 | 2 12 | 10 25 | 0 32 | 5 50 | 1 53 | 26 44 | 12 34 | 23 18 | 23 20 | 23 22 | 16 42 | 1 31 |
| W10 | 2 9 | 16 28 | 3 41 | 11 30 | 2 19 | 6 8 | 1 26 | 8 53 | 1 3 | 17 52 | 0 35 | 9 34 | 2 12 | 10 24 | 0 32 | 5 50 | 1 53 | 26 45 | 12 34 | 23 17 | 23 19 | 23 22 | 16 41 | 1 31 |
| T 11 | 1 45 | 20 1 | 2 44 | 10 52 | 2 19 | 5 39 | 1 26 | 8 36 | 1 3 | 17 55 | 0 35 | 9 36 | 2 11 | 10 24 | 0 32 | 5 49 | 1 53 | 26 45 | 12 34 | 23 17 | 23 19 | 23 22 | 16 41 | 1 32 |
| F 12 | 1 22 | 22 22 | 1 37 | 10 13 | 2 18 | 5 9 | 1 26 | 8 17 | 1 3 | 17 58 | 0 35 | 9 39 | 2 11 | 10 23 | 0 32 | 5 49 | 1 53 | 26 45 | 12 34 | 23 17 | 23 19 | 23 21 | 16 40 | 1 32 |
| S 13 | 0 58 | 23 18 | 0 24 | 9 33 | 2 17 | 4 40 | 1 26 | 7 59 | 1 3 | 18 1 | 0 35 | 9 41 | 2 11 | 10 22 | 0 32 | 5 48 | 1 53 | 26 45 | 12 34 | 23 17 | 23 19 | 23 21 | 16 39 | 1 32 |
| S 14 | 0 34 | 22 44 | 0n51 | 8 51 | 2 15 | 4 10 | 1 25 | 7 41 | 1 2 | 18 4 | 0 35 | 9 44 | 2 11 | 10 22 | 0 32 | 5 47 | 1 53 | 26 46 | 12 34 | 23 17 | 23 19 | 23 21 | 16 38 | 1 33 |
| M15 | 0 11 | 20 43 | 2 2 | 8 8 | 2 13 | 3 40 | 1 25 | 7 23 | 1 2 | 18 7 | 0 34 | 9 46 | 2 11 | 10 21 | 0 32 | 5 47 | 1 53 | 26 46 | 12 33 | 23 17 | 23 18 | 23 20 | 16 38 | 1 33 |
| T 16 | 0n13 | 17 29 | 3 5 | 7 23 | 2 11 | 3 10 | 1 24 | 7 5 | 1 2 | 18 10 | 0 34 | 9 49 | 2 11 | 10 20 | 0 33 | 5 46 | 1 53 | 26 46 | 12 33 | 23 17 | 23 18 | 23 20 | 16 37 | 1 34 |
| W17 | 0 36 | 13 17 | 3 57 | 6 38 | 2 7 | 2 40 | 1 24 | 6 46 | 1 2 | 18 12 | 0 34 | 9 52 | 2 10 | 10 19 | 0 33 | 5 46 | 1 53 | 26 46 | 12 33 | 23 16 | 23 18 | 23 19 | 16 36 | 1 34 |
| T 18 | 1 0 | 8 26 | 4 35 | 5 51 | 2 4 | 2 9 | 1 23 | 6 28 | 1 2 | 18 15 | 0 34 | 9 54 | 2 10 | 10 18 | 0 33 | 5 45 | 1 53 | 26 46 | 12 33 | 23 16 | 23 18 | 23 19 | 16 35 | 1 34 |
| F 19 | 1 23 | 3 14 | 4 56 | 5 2 | 1 59 | 1 39 | 1 23 | 6 10 | 1 1 | 18 18 | 0 34 | 9 57 | 2 10 | 10 18 | 0 33 | 5 44 | 1 53 | 26 47 | 12 33 | 23 15 | 23 18 | 23 18 | 16 34 | 1 35 |
| S 20 | 1 47 | 2n 3 | 5 1 | 4 13 | 1 55 | 1 9 | 1 22 | 5 51 | 1 1 | 18 21 | 0 34 | 10 0 | 2 10 | 10 17 | 0 33 | 5 44 | 1 53 | 26 47 | 12 32 | 23 14 | 23 17 | 23 18 | 16 33 | 1 35 |
| S 21 | 2 10 | 7 8 | 4 49 | 3 22 | 1 49 | 0 38 | 1 21 | 5 33 | 1 1 | 18 24 | 0 33 | 10 2 | 2 10 | 10 16 | 0 33 | 5 43 | 1 53 | 26 47 | 12 32 | 23 13 | 23 17 | 23 18 | 16 32 | 1 36 |
| M22 | 2 34 | 11 48 | 4 23 | 2 30 | 1 44 | 0 8 | 1 20 | 5 14 | 1 1 | 18 27 | 0 33 | 10 5 | 2 10 | 10 15 | 0 33 | 5 42 | 1 53 | 26 47 | 12 32 | 23 12 | 23 17 | 23 17 | 16 31 | 1 36 |
| T 23 | 2 57 | 15 52 | 3 44 | 1 38 | 1 37 | 0n23 | 1 19 | 4 56 | 1 0 | 18 30 | 0 33 | 10 7 | 2 10 | 10 14 | 0 33 | 5 42 | 1 53 | 26 47 | 12 32 | 23 12 | 23 17 | 23 17 | 16 30 | 1 36 |
| W24 | 3 20 | 19 8 | 2 55 | 0 44 | 1 31 | 0 53 | 1 18 | 4 37 | 1 0 | 18 33 | 0 33 | 10 10 | 2 10 | 10 13 | 0 33 | 5 41 | 1 53 | 26 47 | 12 32 | 23 11 | 23 17 | 23 16 | 16 29 | 1 37 |
| T 25 | 3 44 | 21 30 | 1 59 | 0n11 | 1 23 | 1 24 | 1 17 | 4 18 | 1 0 | 18 36 | 0 33 | 10 13 | 2 9 | 10 13 | 0 33 | 5 41 | 1 53 | 26 47 | 12 31 | 23 11 | 23 16 | 23 16 | 16 28 | 1 37 |
| F 26 | 4 7 | 22 51 | 0 58 | 1 7 | 1 16 | 1 54 | 1 16 | 4 0 | 0 59 | 18 39 | 0 33 | 10 15 | 2 9 | 10 12 | 0 33 | 5 40 | 1 53 | 26 47 | 12 31 | 23 11 | 23 16 | 23 15 | 16 27 | 1 37 |
| S 27 | 4 30 | 23 10 | 0s 5 | 2 3 | 1 7 | 2 24 | 1 15 | 3 41 | 0 59 | 18 42 | 0 32 | 10 18 | 2 9 | 10 11 | 0 33 | 5 39 | 1 53 | 26 48 | 12 31 | 23 10 | 23 16 | 23 15 | 16 26 | 1 38 |
| S 28 | 4 53 | 22 26 | 1 7 | 3 1 | 0 59 | 2 55 | 1 14 | 3 23 | 0 59 | 18 45 | 0 32 | 10 21 | 2 9 | 10 10 | 0 33 | 5 39 | 1 53 | 26 48 | 12 31 | 23 11 | 23 16 | 23 14 | 16 25 | 1 38 |
| M29 | 5 16 | 20 41 | 2 7 | 3 58 | 0 50 | 3 25 | 1 13 | 3 4 | 0 59 | 18 48 | 0 32 | 10 23 | 2 9 | 10 9 | 0 33 | 5 38 | 1 53 | 26 48 | 12 31 | 23 11 | 23 16 | 23 14 | 16 24 | 1 39 |
| T 30 | 5 39 | 18 1 | 3 2 | 4 56 | 0 40 | 3 55 | 1 11 | 2 45 | 0 58 | 18 51 | 0 32 | 10 26 | 2 9 | 10 8 | 0 33 | 5 37 | 1 53 | 26 48 | 12 30 | 23 10 | 23 15 | 23 14 | 16 23 | 1 39 |
| W31 | 6n 1 | 14n32 | 3s50 | 5n55 | 0s30 | 4n26 | 1s10 | 2s27 | 0s58 | 18n54 | 0s32 | 10n29 | 2s 9 | 10s 7 | 0n33 | 5s37 | 1n53 | 26n48 | 12n30 | 23s10 | 23s15 | 23n13 | 16s21 | 1n39 |

Julian Day Number = 2075044.5, Delta T = 27m03s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'25, Lahiri = 9°29'26 Julian Calendar 1 March 969 == Greg. Calendar 6 March 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## APRIL 969 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 57 23 | 16♈11'20 | 21♌ 4 | 18♈15 | 15♈ 6 | 26♓52 | 26♉25 | 2♉53 | 27°R26 | 18°R39 | 19°R43 | 19°R38 | 20♐45 | 22♊15 | 20°R22 | T 1 |
| F 2 | 13 1 20 | 17° 9'44 | 3♍57 | 20°23 | 16°20 | 27°38 | 26°37 | 3° 0 | 27♎23 | 18♎37 | 19♌42 | 19♐31 | 20°41 | 22°21 | 20♏19 | F 2 |
| S 3 | 13 5 16 | 18° 8'07 | 17°15 | 22°31 | 17°35 | 28°24 | 26°49 | 3° 8 | 27°21 | 18°36 | 19°41 | 19°22 | 20°38 | 22°28 | 20°16 | S 3 |
| S 4 | 13 9 13 | 19° 6'27 | 0♎56 | 24°39 | 18°49 | 29°10 | 27° 2 | 3°15 | 27°18 | 18°34 | 19°41 | 19°12 | 20°35 | 22°35 | 20°12 | S 4 |
| M 5 | 13 13 9 | 20° 4'45 | 14°58 | 26°47 | 20° 3 | 29°56 | 27°14 | 3°23 | 27°16 | 18°33 | 19°40 | 19° 2 | 20°32 | 22°41 | 20° 9 | M 5 |
| T 6 | 13 17 6 | 21° 3'02 | 29°18 | 28°54 | 21°17 | 0♈41 | 27°27 | 3°31 | 27°13 | 18°31 | 19°39 | 18°54 | 20°29 | 22°48 | 20° 5 | T 6 |
| W 7 | 13 21 3 | 22° 1'17 | 13♏48 | 0♉59 | 22°31 | 1°27 | 27°39 | 3°38 | 27°11 | 18°29 | 19°39 | 18°47 | 20°26 | 22°55 | 20° 2 | W 7 |
| T 8 | 13 24 59 | 22°59'30 | 28°22 | 3° 4 | 23°45 | 2°13 | 27°52 | 3°46 | 27° 8 | 18°28 | 19°38 | 18°43 | 20°22 | 23° 1 | 19°58 | T 8 |
| F 9 | 13 28 56 | 23°57'41 | 12♐56 | 5° 6 | 24°59 | 2°58 | 28° 4 | 3°54 | 27° 6 | 18°26 | 19°38 | 18°D42 | 20°19 | 23° 8 | 19°55 | F 9 |
| S 10 | 13 32 52 | 24°55'52 | 27°22 | 7° 7 | 26°13 | 3°44 | 28°17 | 4° 1 | 27° 3 | 18°24 | 19°37 | 18°42 | 20°16 | 23°14 | 19°51 | S 10 |
| S 11 | 13 36 49 | 25°54'00 | 11♑39 | 9° 6 | 27°27 | 4°30 | 28°30 | 4° 9 | 27° 1 | 18°23 | 19°37 | 18°43 | 20°13 | 23°21 | 19°47 | S 11 |
| M12 | 13 40 45 | 26°52'07 | 25°45 | 11° 2 | 28°41 | 5°15 | 28°42 | 4°17 | 26°58 | 18°21 | 19°36 | 18°R43 | 20°10 | 23°28 | 19°44 | M12 |
| T 13 | 13 44 42 | 27°50'13 | 9♒38 | 12°55 | 29°55 | 6° 1 | 28°55 | 4°24 | 26°55 | 18°19 | 19°36 | 18°43 | 20° 6 | 23°34 | 19°40 | T 13 |
| W14 | 13 48 38 | 28°48'17 | 23°18 | 14°46 | 1♉ 9 | 6°46 | 29° 8 | 4°32 | 26°53 | 18°18 | 19°36 | 18°40 | 20° 3 | 23°41 | 19°36 | W14 |
| T 15 | 13 52 35 | 29°46'20 | 6♓46 | 16°33 | 2°23 | 7°31 | 29°21 | 4°40 | 26°50 | 18°16 | 19°35 | 18°36 | 20° 0 | 23°48 | 19°32 | T 15 |
| F 16 | 13 56 32 | 0♉44'21 | 20° 1 | 18°17 | 3°36 | 8°17 | 29°34 | 4°48 | 26°48 | 18°15 | 19°35 | 18°29 | 19°57 | 23°54 | 19°28 | F 16 |
| S 17 | 14 0 28 | 1°42'21 | 3♈ 4 | 19°58 | 4°50 | 9° 2 | 29°47 | 4°55 | 26°45 | 18°13 | 19°35 | 18°21 | 19°54 | 24° 1 | 19°24 | S 17 |
| S 18 | 14 4 25 | 2°40'19 | 15°54 | 21°35 | 6° 4 | 9°47 | 29°59 | 5° 3 | 26°43 | 18°12 | 19°34 | 18°13 | 19°51 | 24° 8 | 19°20 | S 18 |
| M19 | 14 8 21 | 3°38'16 | 28°30 | 23° 9 | 7°18 | 10°32 | 0♊13 | 5°11 | 26°40 | 18°10 | 19°34 | 18° 5 | 19°47 | 24°14 | 19°16 | M19 |
| T 20 | 14 12 18 | 4°36'11 | 10♉54 | 24°39 | 8°32 | 11°18 | 0°26 | 5°19 | 26°38 | 18° 8 | 19°34 | 17°59 | 19°44 | 24°21 | 19°12 | T 20 |
| W21 | 14 16 14 | 5°34'05 | 23° 5 | 26° 6 | 9°46 | 12° 3 | 0°39 | 5°27 | 26°35 | 18° 7 | 19°34 | 17°54 | 19°41 | 24°28 | 19° 8 | W21 |
| T 22 | 14 20 11 | 6°31'57 | 5♊ 6 | 27°28 | 11° 0 | 12°48 | 0°53 | 5°34 | 26°33 | 18° 5 | 19°34 | 17°51 | 19°38 | 24°34 | 19° 3 | T 22 |
| F 23 | 14 24 7 | 7°29'47 | 16°59 | 28°47 | 12°14 | 13°33 | 1° 6 | 5°42 | 26°30 | 18° 4 | 19°34 | 17°D50 | 19°35 | 24°41 | 18°59 | F 23 |
| S 24 | 14 28 4 | 8°27'36 | 28°48 | 0♊ 1 | 13°27 | 14°18 | 1°19 | 5°50 | 26°28 | 18° 2 | 19°34 | 17°51 | 19°32 | 24°47 | 18°55 | S 24 |
| S 25 | 14 32 1 | 9°25'23 | 10♋35 | 1°12 | 14°41 | 15° 3 | 1°32 | 5°58 | 26°25 | 18° 1 | 19°34 | 17°52 | 19°28 | 24°54 | 18°51 | S 25 |
| M26 | 14 35 57 | 10°23'09 | 22°25 | 2°19 | 15°55 | 15°47 | 1°46 | 6° 5 | 26°23 | 17°59 | 19°D34 | 17°54 | 19°25 | 25° 1 | 18°46 | M26 |
| T 27 | 14 39 54 | 11°20'53 | 4♌24 | 3°21 | 17° 9 | 16°32 | 1°59 | 6°13 | 26°21 | 17°58 | 19°34 | 17°55 | 19°22 | 25° 7 | 18°42 | T 27 |
| W28 | 14 43 50 | 12°18'35 | 16°37 | 4°20 | 18°23 | 17°17 | 2°13 | 6°21 | 26°18 | 17°56 | 19°34 | 17°R55 | 19°19 | 25°14 | 18°38 | W28 |
| T 29 | 14 47 47 | 13°16'15 | 29° 7 | 5°14 | 19°36 | 18° 2 | 2°26 | 6°29 | 26°16 | 17°55 | 19°34 | 17°54 | 19°16 | 25°21 | 18°33 | T 29 |
| F 30 | 14 51 43 | 14♉13'54 | 12♍ 0 | 6♊ 4 | 20♉50 | 18♈46 | 2♊40 | 6♉36 | 26♎13 | 17♎53 | 19♌34 | 17♐51 | 19♐12 | 25♊27 | 18♏29 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n24 | 10n20 | 4s28 | 6n53 | 0s20 | 4n56 | 1s 9 | 2s 8 | 0s58 | 18n57 | 0s32 | 10n31 | 2s 9 | 10s 7 | 0n33 | 5s36 | 1n53 | 26n48 | 12n30 | 23s10 | 23s15 | 23n13 | 16s20 | 1n40 |
| F 2 | 6 47 | 5 33 | 4 53 | 7 52 | 0 9 | 5 26 | 1 7 | 1 49 | 0 57 | 19 0 | 0 31 | 10 34 | 2 9 | 10 6 | 0 33 | 5 36 | 1 53 | 26 48 | 12 30 | 23 9 | 23 15 | 23 12 | 16 19 | 1 40 |
| S 3 | 7 9 | 0 24 | 5 4 | 8 50 | 0n 1 | 5 55 | 1 6 | 1 31 | 0 57 | 19 3 | 0 31 | 10 37 | 2 9 | 10 5 | 0 33 | 5 35 | 1 53 | 26 48 | 12 29 | 23 9 | 23 14 | 23 12 | 16 18 | 1 40 |
| S 4 | 7 31 | 4s56 | 4 58 | 9 47 | 0 12 | 6 25 | 1 4 | 1 12 | 0 57 | 19 6 | 0 31 | 10 39 | 2 8 | 10 4 | 0 33 | 5 34 | 1 53 | 26 48 | 12 29 | 23 8 | 23 14 | 23 11 | 16 17 | 1 41 |
| M 5 | 7 53 | 10 8 | 4 34 | 10 44 | 0 23 | 6 55 | 1 3 | 0 53 | 0 56 | 19 9 | 0 31 | 10 42 | 2 8 | 10 3 | 0 33 | 5 34 | 1 53 | 26 48 | 12 29 | 23 7 | 23 14 | 23 11 | 16 15 | 1 41 |
| T 6 | 8 16 | 14 54 | 3 53 | 11 40 | 0 34 | 7 24 | 1 1 | 0 35 | 0 56 | 19 12 | 0 31 | 10 45 | 2 8 | 10 2 | 0 33 | 5 33 | 1 53 | 26 48 | 12 29 | 23 6 | 23 14 | 23 10 | 16 14 | 1 42 |
| W 7 | 8 37 | 18 52 | 2 56 | 12 35 | 0 44 | 7 53 | 0 59 | 0 16 | 0 55 | 19 15 | 0 31 | 10 47 | 2 8 | 10 1 | 0 33 | 5 32 | 1 53 | 26 48 | 12 28 | 23 6 | 23 13 | 23 9 | 16 13 | 1 42 |
| T 8 | 8 59 | 21 39 | 1 47 | 13 28 | 0 55 | 8 23 | 0 58 | 0n 3 | 0 55 | 19 18 | 0 31 | 10 50 | 2 8 | 10 0 | 0 33 | 5 32 | 1 53 | 26 47 | 12 28 | 23 5 | 23 13 | 23 9 | 16 11 | 1 42 |
| F 9 | 9 21 | 22 59 | 0 31 | 14 19 | 1 5 | 8 51 | 0 56 | 0 21 | 0 55 | 19 21 | 0 30 | 10 53 | 2 8 | 9 59 | 0 33 | 5 31 | 1 53 | 26 47 | 12 28 | 23 5 | 23 13 | 23 8 | 16 10 | 1 43 |
| S 10 | 9 42 | 22 46 | 0n47 | 15 9 | 1 15 | 9 20 | 0 54 | 0 40 | 0 54 | 19 24 | 0 30 | 10 55 | 2 8 | 9 58 | 0 33 | 5 31 | 1 53 | 26 47 | 12 27 | 23 5 | 23 13 | 23 8 | 16 9 | 1 43 |
| S 11 | 10 4 | 21 4 | 2 0 | 15 57 | 1 25 | 9 49 | 0 52 | 0 58 | 0 54 | 19 27 | 0 30 | 10 58 | 2 8 | 9 58 | 0 33 | 5 30 | 1 53 | 26 47 | 12 27 | 23 5 | 23 13 | 23 7 | 16 8 | 1 43 |
| M12 | 10 25 | 18 4 | 3 6 | 16 43 | 1 34 | 10 17 | 0 50 | 1 17 | 0 54 | 19 30 | 0 30 | 11 1 | 2 8 | 9 57 | 0 33 | 5 29 | 1 53 | 26 47 | 12 27 | 23 5 | 23 12 | 23 7 | 16 6 | 1 44 |
| T 13 | 10 46 | 14 6 | 3 59 | 17 26 | 1 43 | 10 45 | 0 48 | 1 35 | 0 53 | 19 33 | 0 30 | 11 3 | 2 8 | 9 56 | 0 32 | 5 29 | 1 53 | 26 47 | 12 27 | 23 5 | 23 12 | 23 6 | 16 5 | 1 44 |
| W14 | 11 7 | 9 27 | 4 38 | 18 7 | 1 51 | 11 13 | 0 46 | 1 54 | 0 53 | 19 36 | 0 30 | 11 6 | 2 8 | 9 55 | 0 32 | 5 28 | 1 53 | 26 47 | 12 26 | 23 5 | 23 12 | 23 6 | 16 3 | 1 44 |
| T 15 | 11 27 | 4 25 | 5 1 | 18 46 | 1 59 | 11 40 | 0 44 | 2 12 | 0 52 | 19 39 | 0 30 | 11 9 | 2 8 | 9 54 | 0 32 | 5 28 | 1 53 | 26 47 | 12 26 | 23 5 | 23 12 | 23 5 | 16 2 | 1 45 |
| F 16 | 11 48 | 0n44 | 5 8 | 19 23 | 2 5 | 12 8 | 0 42 | 2 30 | 0 52 | 19 41 | 0 29 | 11 11 | 2 8 | 9 53 | 0 32 | 5 27 | 1 53 | 26 46 | 12 26 | 23 4 | 23 11 | 23 5 | 16 1 | 1 45 |
| S 17 | 12 8 | 5 46 | 4 58 | 19 56 | 2 12 | 12 35 | 0 40 | 2 49 | 0 52 | 19 44 | 0 29 | 11 14 | 2 8 | 9 52 | 0 32 | 5 26 | 1 53 | 26 46 | 12 26 | 23 4 | 23 11 | 23 4 | 15 59 | 1 45 |
| S 18 | 12 28 | 10 29 | 4 33 | 20 28 | 2 17 | 13 1 | 0 38 | 3 7 | 0 51 | 19 47 | 0 29 | 11 17 | 2 8 | 9 51 | 0 32 | 5 26 | 1 53 | 26 46 | 12 25 | 23 3 | 23 11 | 23 3 | 15 58 | 1 46 |
| M19 | 12 48 | 14 39 | 3 55 | 20 57 | 2 21 | 13 28 | 0 36 | 3 25 | 0 51 | 19 50 | 0 29 | 11 19 | 2 7 | 9 50 | 0 32 | 5 25 | 1 53 | 26 46 | 12 25 | 23 2 | 23 11 | 23 3 | 15 56 | 1 46 |
| T 20 | 13 8 | 18 8 | 3 7 | 21 23 | 2 25 | 13 54 | 0 34 | 3 43 | 0 50 | 19 53 | 0 29 | 11 22 | 2 7 | 9 49 | 0 32 | 5 25 | 1 53 | 26 46 | 12 25 | 23 2 | 23 10 | 23 2 | 15 55 | 1 46 |
| W21 | 13 27 | 20 45 | 2 10 | 21 47 | 2 28 | 14 19 | 0 32 | 4 1 | 0 50 | 19 56 | 0 29 | 11 24 | 2 7 | 9 48 | 0 32 | 5 24 | 1 53 | 26 45 | 12 24 | 23 1 | 23 10 | 23 2 | 15 54 | 1 47 |
| T 22 | 13 46 | 22 24 | 1 9 | 22 8 | 2 30 | 14 45 | 0 29 | 4 19 | 0 49 | 19 59 | 0 29 | 11 27 | 2 7 | 9 48 | 0 32 | 5 23 | 1 53 | 26 45 | 12 24 | 23 1 | 23 10 | 23 1 | 15 52 | 1 47 |
| F 23 | 14 5 | 23 1 | 0 5 | 22 27 | 2 31 | 15 10 | 0 27 | 4 37 | 0 49 | 20 2 | 0 29 | 11 30 | 2 7 | 9 47 | 0 32 | 5 23 | 1 53 | 26 45 | 12 24 | 23 1 | 23 10 | 23 0 | 15 51 | 1 47 |
| S 24 | 14 24 | 22 35 | 0s59 | 22 44 | 2 31 | 15 34 | 0 25 | 4 55 | 0 48 | 20 5 | 0 28 | 11 32 | 2 7 | 9 46 | 0 32 | 5 22 | 1 53 | 26 45 | 12 23 | 23 1 | 23 9 | 23 0 | 15 49 | 1 47 |
| S 25 | 14 43 | 21 8 | 2 1 | 22 58 | 2 31 | 15 59 | 0 23 | 5 13 | 0 48 | 20 7 | 0 28 | 11 35 | 2 7 | 9 45 | 0 32 | 5 22 | 1 53 | 26 44 | 12 23 | 23 1 | 23 9 | 22 59 | 15 48 | 1 48 |
| M26 | 15 1 | 18 47 | 2 57 | 23 11 | 2 29 | 16 22 | 0 20 | 5 31 | 0 47 | 20 10 | 0 28 | 11 37 | 2 7 | 9 44 | 0 32 | 5 21 | 1 53 | 26 44 | 12 23 | 23 1 | 23 9 | 22 59 | 15 46 | 1 48 |
| T 27 | 15 19 | 15 35 | 3 47 | 23 20 | 2 27 | 16 46 | 0 18 | 5 49 | 0 47 | 20 13 | 0 28 | 11 40 | 2 7 | 9 43 | 0 32 | 5 21 | 1 53 | 26 44 | 12 23 | 23 1 | 23 9 | 22 58 | 15 45 | 1 48 |
| W28 | 15 37 | 11 42 | 4 27 | 23 28 | 2 23 | 17 9 | 0 16 | 6 6 | 0 47 | 20 16 | 0 28 | 11 43 | 2 7 | 9 42 | 0 32 | 5 20 | 1 53 | 26 44 | 12 22 | 23 1 | 23 8 | 22 57 | 15 43 | 1 49 |
| T 29 | 15 55 | 7 13 | 4 56 | 23 34 | 2 19 | 17 31 | 0 13 | 6 24 | 0 46 | 20 19 | 0 28 | 11 45 | 2 7 | 9 41 | 0 32 | 5 20 | 1 53 | 26 43 | 12 22 | 23 1 | 23 8 | 22 57 | 15 42 | 1 49 |
| F 30 | 16n12 | 2n18 | 5s11 | 23n38 | 2n13 | 17n53 | 0s11 | 6n42 | 0s46 | 20n21 | 0s28 | 11n48 | 2s 7 | 9s41 | 0n32 | 5s19 | 1n53 | 26n43 | 12n22 | 23s 1 | 23s 8 | 22n56 | 15s41 | 1n49 |

Julian Day Number = 2075075.5, Delta T = 27m03s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'30, Lahiri = 9°29'30 Julian Calendar 1 Apr. 969 == Greg. Calendar 6 Apr. 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## MAY 969 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 55 40 | 15♉11'31 | 25♍18 | 6♊50 | 22♉ 4 | 19♈31 | 2♊53 | 6♉44 | 26°R11 | 17°R52 | 19♎34 | 17°R48 | 19♐ 9 | 25♊34 | 18°R25 | S 1 |
| S 2 | 14 59 36 | 16° 9'07 | 9♎ 3 | 7°31 | 23°18 | 20°15 | 3° 7 | 6°52 | 26♎ 9 | 17♎51 | 19°34 | 17♐43 | 19° 6 | 25°41 | 18♏20 | S 2 |
| M 3 | 15 3 33 | 17° 6'41 | 23°13 | 8° 7 | 24°31 | 21° 0 | 3°20 | 6°59 | 26° 6 | 17°49 | 19°34 | 17°38 | 19° 3 | 25°47 | 18°16 | M 3 |
| T 4 | 15 7 30 | 18° 4'14 | 7♏46 | 8°39 | 25°45 | 21°44 | 3°34 | 7° 7 | 26° 4 | 17°48 | 19°35 | 17°34 | 19° 0 | 25°54 | 18°12 | T 4 |
| W 5 | 15 11 26 | 19° 1'45 | 22°34 | 9° 7 | 26°59 | 22°28 | 3°47 | 7°15 | 26° 2 | 17°46 | 19°35 | 17°32 | 18°57 | 26° 1 | 18° 7 | W 5 |
| T 6 | 15 15 23 | 19°59'16 | 7♐30 | 9°30 | 28°12 | 23°13 | 4° 1 | 7°22 | 25°59 | 17°45 | 19°35 | 17°30 | 18°53 | 26° 7 | 18° 3 | T 6 |
| F 7 | 15 19 19 | 20°56'46 | 22°26 | 9°48 | 29°26 | 23°57 | 4°15 | 7°30 | 25°57 | 17°44 | 19°35 | 17°D30 | 18°50 | 26°14 | 17°59 | F 7 |
| S 8 | 15 23 16 | 21°54'14 | 7♑15 | 10° 1 | 0♊40 | 24°41 | 4°28 | 7°38 | 25°55 | 17°43 | 19°36 | 17°31 | 18°47 | 26°21 | 17°54 | S 8 |
| S 9 | 15 27 12 | 22°51'42 | 21°50 | 10°10 | 1°53 | 25°25 | 4°42 | 7°45 | 25°53 | 17°41 | 19°36 | 17°32 | 18°44 | 26°27 | 17°50 | S 9 |
| M10 | 15 31 9 | 23°49'09 | 6♒ 8 | 10°R14 | 3° 7 | 26° 9 | 4°56 | 7°53 | 25°51 | 17°40 | 19°37 | 17°33 | 18°41 | 26°34 | 17°46 | M10 |
| T 11 | 15 35 5 | 24°46'35 | 20° 6 | 10°13 | 4°21 | 26°53 | 5° 9 | 8° 0 | 25°49 | 17°39 | 19°37 | 17°R34 | 18°38 | 26°40 | 17°41 | T 11 |
| W12 | 15 39 2 | 25°44'00 | 3♓44 | 10° 8 | 5°34 | 27°37 | 5°23 | 8° 8 | 25°47 | 17°38 | 19°37 | 17°34 | 18°34 | 26°47 | 17°37 | W12 |
| T 13 | 15 42 59 | 26°41'25 | 17° 3 | 9°59 | 6°48 | 28°21 | 5°37 | 8°16 | 25°44 | 17°36 | 19°38 | 17°33 | 18°31 | 26°54 | 17°33 | T 13 |
| F 14 | 15 46 55 | 27°38'49 | 0♈ 4 | 9°45 | 8° 2 | 29° 5 | 5°51 | 8°23 | 25°42 | 17°35 | 19°39 | 17°31 | 18°28 | 27° 0 | 17°29 | F 14 |
| S 15 | 15 50 52 | 28°36'12 | 12°49 | 9°28 | 9°15 | 29°49 | 6° 4 | 8°31 | 25°40 | 17°34 | 19°39 | 17°28 | 18°25 | 27° 7 | 17°24 | S 15 |
| S 16 | 15 54 48 | 29°33'35 | 25°21 | 9° 7 | 10°29 | 0♉33 | 6°18 | 8°38 | 25°38 | 17°33 | 19°40 | 17°26 | 18°22 | 27°14 | 17°20 | S 16 |
| M17 | 15 58 45 | 0♊30'57 | 7♉40 | 8°43 | 11°42 | 1°16 | 6°32 | 8°45 | 25°37 | 17°32 | 19°40 | 17°23 | 18°18 | 27°20 | 17°16 | M17 |
| T 18 | 16 2 41 | 1°28'18 | 19°48 | 8°16 | 12°56 | 2° 0 | 6°46 | 8°53 | 25°35 | 17°31 | 19°41 | 17°21 | 18°15 | 27°27 | 17°12 | T 18 |
| W19 | 16 6 38 | 2°25'38 | 1♊49 | 7°47 | 14° 9 | 2°44 | 6°59 | 9° 0 | 25°33 | 17°30 | 19°42 | 17°20 | 18°12 | 27°34 | 17° 8 | W19 |
| T 20 | 16 10 34 | 3°22'58 | 13°42 | 7°15 | 15°23 | 3°27 | 7°13 | 9° 8 | 25°31 | 17°29 | 19°42 | 17°D19 | 18° 9 | 27°40 | 17° 4 | T 20 |
| F 21 | 16 14 31 | 4°20'17 | 25°31 | 6°43 | 16°37 | 4°11 | 7°27 | 9°15 | 25°29 | 17°28 | 19°43 | 17°19 | 18° 6 | 27°47 | 17° 0 | F 21 |
| S 22 | 16 18 28 | 5°17'35 | 7♋18 | 6° 9 | 17°50 | 4°54 | 7°41 | 9°22 | 25°27 | 17°27 | 19°44 | 17°20 | 18° 3 | 27°54 | 16°56 | S 22 |
| S 23 | 16 22 24 | 6°14'53 | 19° 6 | 5°35 | 19° 4 | 5°37 | 7°55 | 9°29 | 25°26 | 17°26 | 19°45 | 17°21 | 17°59 | 28° 0 | 16°52 | S 23 |
| M24 | 16 26 21 | 7°12'09 | 0♌58 | 5° 2 | 20°17 | 6°21 | 8° 9 | 9°37 | 25°24 | 17°25 | 19°45 | 17°22 | 17°56 | 28° 7 | 16°48 | M24 |
| T 25 | 16 30 17 | 8° 9'25 | 12°58 | 4°30 | 21°31 | 7° 4 | 8°22 | 9°44 | 25°22 | 17°24 | 19°46 | 17°23 | 17°53 | 28°14 | 16°44 | T 25 |
| W26 | 16 34 14 | 9° 6'40 | 25°10 | 3°59 | 22°44 | 7°47 | 8°36 | 9°51 | 25°21 | 17°23 | 19°47 | 17°23 | 17°50 | 28°20 | 16°40 | W26 |
| T 27 | 16 38 10 | 10° 3'54 | 7♍39 | 3°29 | 23°58 | 8°30 | 8°50 | 9°58 | 25°19 | 17°22 | 19°48 | 17°R24 | 17°47 | 28°27 | 16°36 | T 27 |
| F 28 | 16 42 7 | 11° 1'07 | 20°29 | 3° 3 | 25°11 | 9°13 | 9° 4 | 10° 5 | 25°18 | 17°21 | 19°49 | 17°23 | 17°44 | 28°33 | 16°33 | F 28 |
| S 29 | 16 46 3 | 11°58'19 | 3♎42 | 2°39 | 26°25 | 9°56 | 9°18 | 10°12 | 25°16 | 17°21 | 19°50 | 17°23 | 17°40 | 28°40 | 16°29 | S 29 |
| S 30 | 16 50 0 | 12°55'31 | 17°22 | 2°19 | 27°38 | 10°39 | 9°31 | 10°19 | 25°15 | 17°20 | 19°51 | 17°23 | 17°37 | 28°47 | 16°25 | S 30 |
| M31 | 16 53 57 | 13♊52'42 | 1♏28 | 2♊ 2 | 28♊52 | 11♉22 | 9♊45 | 10♉26 | 25♎13 | 17♎19 | 19♌52 | 17♐22 | 17♐34 | 28♊53 | 16♏22 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n29 | 2s52 | 5s10 | 23n40 | 2n 7 | 18n15 | 0s 8 | 6n59 | 0s45 | 20n24 | 0s28 | 11n50 | 2s 7 | 9s40 | 0n32 | 5s19 | 1n53 | 26n43 | 12n21 | 23s 0 | 23s 8 | 22n55 | 15s39 | 1n49 |
| S 2 | 16 46 | 8 4 | 4 51 | 23 39 | 2 0 | 18 36 | 0 6 | 7 16 | 0 45 | 20 27 | 0 27 | 11 53 | 2 7 | 9 39 | 0 32 | 5 18 | 1 53 | 26 42 | 12 21 | 23 0 | 23 7 | 22 55 | 15 38 | 1 50 |
| M 3 | 17 2 | 13 1 | 4 15 | 23 37 | 1 52 | 18 57 | 0 4 | 7 33 | 0 44 | 20 30 | 0 27 | 11 55 | 2 7 | 9 38 | 0 32 | 5 17 | 1 53 | 26 42 | 12 21 | 23 0 | 23 7 | 22 54 | 15 36 | 1 50 |
| T 4 | 17 19 | 17 20 | 3 21 | 23 33 | 1 42 | 19 17 | 0 1 | 7 51 | 0 44 | 20 32 | 0 27 | 11 58 | 2 7 | 9 37 | 0 32 | 5 17 | 1 53 | 26 42 | 12 20 | 22 59 | 23 7 | 22 53 | 15 35 | 1 50 |
| W 5 | 17 34 | 20 39 | 2 13 | 23 28 | 1 32 | 19 37 | 0n 1 | 8 8 | 0 43 | 20 35 | 0 27 | 12 0 | 2 7 | 9 36 | 0 32 | 5 17 | 1 53 | 26 41 | 12 20 | 22 59 | 23 7 | 22 53 | 15 33 | 1 51 |
| T 6 | 17 50 | 22 35 | 0 55 | 23 20 | 1 21 | 19 56 | 0 4 | 8 25 | 0 42 | 20 38 | 0 27 | 12 3 | 2 7 | 9 36 | 0 32 | 5 16 | 1 53 | 26 41 | 12 20 | 22 59 | 23 6 | 22 52 | 15 32 | 1 51 |
| F 7 | 18 6 | 22 54 | 0n27 | 23 11 | 1 9 | 20 14 | 0 6 | 8 42 | 0 42 | 20 40 | 0 27 | 12 5 | 2 7 | 9 35 | 0 32 | 5 16 | 1 53 | 26 40 | 12 20 | 22 59 | 23 6 | 22 51 | 15 30 | 1 51 |
| S 8 | 18 21 | 21 36 | 1 47 | 23 1 | 0 57 | 20 32 | 0 8 | 8 58 | 0 41 | 20 43 | 0 27 | 12 8 | 2 7 | 9 34 | 0 32 | 5 15 | 1 53 | 26 40 | 12 19 | 22 59 | 23 6 | 22 51 | 15 29 | 1 51 |
| S 9 | 18 35 | 18 52 | 2 58 | 22 48 | 0 43 | 20 50 | 0 11 | 9 15 | 0 41 | 20 45 | 0 27 | 12 10 | 2 7 | 9 33 | 0 32 | 5 15 | 1 53 | 26 40 | 12 19 | 22 59 | 23 5 | 22 50 | 15 27 | 1 52 |
| M10 | 18 50 | 15 1 | 3 57 | 22 35 | 0 29 | 21 7 | 0 13 | 9 32 | 0 40 | 20 48 | 0 27 | 12 12 | 2 7 | 9 33 | 0 32 | 5 14 | 1 53 | 26 39 | 12 19 | 22 59 | 23 5 | 22 49 | 15 26 | 1 52 |
| T 11 | 19 4 | 10 26 | 4 40 | 22 20 | 0 14 | 21 23 | 0 16 | 9 48 | 0 40 | 20 51 | 0 26 | 12 15 | 2 7 | 9 32 | 0 32 | 5 14 | 1 53 | 26 39 | 12 18 | 22 59 | 23 5 | 22 48 | 15 25 | 1 52 |
| W12 | 19 18 | 5 26 | 5 6 | 22 4 | 0s 2 | 21 39 | 0 18 | 10 5 | 0 39 | 20 53 | 0 26 | 12 17 | 2 7 | 9 31 | 0 32 | 5 13 | 1 53 | 26 38 | 12 18 | 22 59 | 23 5 | 22 48 | 15 23 | 1 52 |
| T 13 | 19 31 | 0 18 | 5 15 | 21 46 | 0 18 | 21 54 | 0 20 | 10 21 | 0 39 | 20 56 | 0 26 | 12 20 | 2 7 | 9 30 | 0 32 | 5 13 | 1 53 | 26 38 | 12 18 | 22 59 | 23 4 | 22 47 | 15 22 | 1 52 |
| F 14 | 19 45 | 4n44 | 5 8 | 21 28 | 0 35 | 22 9 | 0 23 | 10 37 | 0 38 | 20 58 | 0 26 | 12 22 | 2 7 | 9 30 | 0 32 | 5 12 | 1 53 | 26 37 | 12 17 | 22 59 | 23 4 | 22 46 | 15 20 | 1 53 |
| S 15 | 19 58 | 9 28 | 4 45 | 21 8 | 0 52 | 22 23 | 0 25 | 10 53 | 0 38 | 21 1 | 0 26 | 12 24 | 2 7 | 9 29 | 0 32 | 5 12 | 1 52 | 26 37 | 12 17 | 22 59 | 23 4 | 22 46 | 15 19 | 1 53 |
| S 16 | 20 10 | 13 43 | 4 9 | 20 48 | 1 9 | 22 36 | 0 28 | 11 9 | 0 37 | 21 3 | 0 26 | 12 27 | 2 7 | 9 28 | 0 32 | 5 12 | 1 52 | 26 37 | 12 17 | 22 58 | 23 4 | 22 45 | 15 18 | 1 53 |
| M17 | 20 22 | 17 20 | 3 22 | 20 27 | 1 26 | 22 48 | 0 30 | 11 25 | 0 36 | 21 6 | 0 26 | 12 29 | 2 8 | 9 27 | 0 32 | 5 11 | 1 52 | 26 36 | 12 17 | 22 58 | 23 3 | 22 44 | 15 16 | 1 53 |
| T 18 | 20 34 | 20 8 | 2 26 | 20 6 | 1 43 | 23 0 | 0 32 | 11 40 | 0 36 | 21 8 | 0 26 | 12 31 | 2 8 | 9 27 | 0 32 | 5 11 | 1 52 | 26 36 | 12 16 | 22 58 | 23 3 | 22 43 | 15 15 | 1 54 |
| W19 | 20 46 | 22 1 | 1 25 | 19 45 | 2 0 | 23 12 | 0 35 | 11 56 | 0 35 | 21 11 | 0 26 | 12 34 | 2 8 | 9 26 | 0 32 | 5 11 | 1 52 | 26 35 | 12 16 | 22 58 | 23 3 | 22 43 | 15 13 | 1 54 |
| T 20 | 20 57 | 22 54 | 0 20 | 19 24 | 2 17 | 23 23 | 0 37 | 12 11 | 0 35 | 21 13 | 0 26 | 12 36 | 2 8 | 9 26 | 0 32 | 5 10 | 1 52 | 26 35 | 12 16 | 22 58 | 23 2 | 22 42 | 15 12 | 1 54 |
| F 21 | 21 8 | 22 44 | 0s45 | 19 3 | 2 33 | 23 33 | 0 39 | 12 27 | 0 34 | 21 15 | 0 25 | 12 38 | 2 8 | 9 25 | 0 32 | 5 10 | 1 52 | 26 34 | 12 15 | 22 58 | 23 2 | 22 41 | 15 11 | 1 54 |
| S 22 | 21 18 | 21 34 | 1 49 | 18 42 | 2 48 | 23 42 | 0 41 | 12 42 | 0 34 | 21 18 | 0 25 | 12 41 | 2 8 | 9 24 | 0 32 | 5 10 | 1 52 | 26 34 | 12 15 | 22 58 | 23 2 | 22 40 | 15 9 | 1 54 |
| S 23 | 21 28 | 19 26 | 2 47 | 18 22 | 3 2 | 23 50 | 0 44 | 12 57 | 0 33 | 21 20 | 0 25 | 12 43 | 2 8 | 9 24 | 0 32 | 5 9 | 1 52 | 26 33 | 12 15 | 22 58 | 23 2 | 22 40 | 15 8 | 1 55 |
| M24 | 21 38 | 16 29 | 3 39 | 18 3 | 3 16 | 23 58 | 0 46 | 13 12 | 0 32 | 21 22 | 0 25 | 12 45 | 2 8 | 9 23 | 0 32 | 5 9 | 1 52 | 26 32 | 12 15 | 22 58 | 23 1 | 22 39 | 15 7 | 1 55 |
| T 25 | 21 47 | 12 49 | 4 22 | 17 45 | 3 28 | 24 6 | 0 48 | 13 27 | 0 32 | 21 25 | 0 25 | 12 47 | 2 8 | 9 22 | 0 32 | 5 9 | 1 52 | 26 32 | 12 14 | 22 58 | 23 1 | 22 38 | 15 6 | 1 55 |
| W26 | 21 56 | 8 35 | 4 54 | 17 28 | 3 39 | 24 12 | 0 50 | 13 42 | 0 31 | 21 27 | 0 25 | 12 49 | 2 8 | 9 22 | 0 32 | 5 8 | 1 52 | 26 31 | 12 14 | 22 58 | 23 1 | 22 37 | 15 4 | 1 55 |
| T 27 | 22 5 | 3 54 | 5 13 | 17 13 | 3 49 | 24 18 | 0 52 | 13 56 | 0 30 | 21 29 | 0 25 | 12 52 | 2 8 | 9 21 | 0 32 | 5 8 | 1 52 | 26 31 | 12 14 | 22 58 | 23 0 | 22 36 | 15 3 | 1 55 |
| F 28 | 22 13 | 1s 4 | 5 17 | 17 0 | 3 58 | 24 23 | 0 54 | 14 10 | 0 30 | 21 31 | 0 25 | 12 54 | 2 8 | 9 21 | 0 32 | 5 8 | 1 52 | 26 30 | 12 13 | 22 58 | 23 0 | 22 36 | 15 2 | 1 55 |
| S 29 | 22 21 | 6 8 | 5 5 | 16 48 | 4 5 | 24 28 | 0 56 | 14 25 | 0 29 | 21 34 | 0 25 | 12 56 | 2 8 | 9 20 | 0 32 | 5 7 | 1 52 | 26 30 | 12 13 | 22 58 | 23 0 | 22 35 | 15 1 | 1 56 |
| S 30 | 22 28 | 11 5 | 4 35 | 16 38 | 4 11 | 24 31 | 0 58 | 14 39 | 0 29 | 21 36 | 0 25 | 12 58 | 2 8 | 9 20 | 0 32 | 5 7 | 1 52 | 26 29 | 12 13 | 22 58 | 23 0 | 22 34 | 15 0 | 1 56 |
| M31 | 22n36 | 15s37 | 3s49 | 16n31 | 4s15 | 24n34 | 1n 0 | 14n53 | 0s28 | 21n38 | 0s24 | 13n 0 | 2s 8 | 9s19 | 0n32 | 5s 7 | 1n52 | 26n29 | 12n13 | 22s58 | 22s59 | 22n33 | 14s58 | 1n56 |

Julian Day Number = 2075105.5, Delta T = 27m02s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'34, Lahiri = 9°29'34 Julian Calendar 1 May 969 == Greg. Calendar 6 May 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## JUNE 969 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 57 53 | 14♊49'52 | 16♏ 0 | 1°R50 | 0♋ 5 | 12♉ 5 | 9♊59 | 10♉33 | 25°R12 | 17°R18 | 19♌53 | 17°R22 | 17♐31 | 29♊ 0 | 16°R18 | T 1 |
| W 2 | 17 1 50 | 15°47'02 | 0♐52 | 1♊41 | 1°18 | 12°47 | 10°13 | 10°40 | 25♎11 | 17♎18 | 19°54 | 17♐22 | 17°28 | 29° 7 | 16♏15 | W 2 |
| T 3 | 17 5 46 | 16°44'12 | 15°58 | 1°D37 | 2°32 | 13°30 | 10°26 | 10°47 | 25° 9 | 17°17 | 19°55 | 17°D22 | 17°24 | 29°13 | 16°12 | T 3 |
| F 4 | 17 9 43 | 17°41'21 | 1♑ 9 | 1°38 | 3°45 | 14°12 | 10°40 | 10°53 | 25° 8 | 17°16 | 19°56 | 17°R22 | 17°21 | 29°20 | 16° 8 | F 4 |
| S 5 | 17 13 39 | 18°38'30 | 16°15 | 1°43 | 4°59 | 14°55 | 10°54 | 11° 0 | 25° 7 | 17°16 | 19°57 | 17°22 | 17°18 | 29°27 | 16° 5 | S 5 |
| S 6 | 17 17 36 | 19°35'39 | 1♒ 8 | 1°53 | 6°12 | 15°37 | 11° 8 | 11° 7 | 25° 6 | 17°15 | 19°58 | 17°22 | 17°15 | 29°33 | 16° 2 | S 6 |
| M 7 | 17 21 33 | 20°32'48 | 15°41 | 2° 8 | 7°25 | 16°20 | 11°21 | 11°14 | 25° 5 | 17°15 | 19°59 | 17°21 | 17°12 | 29°40 | 15°59 | M 7 |
| T 8 | 17 25 29 | 21°29'57 | 29°51 | 2°28 | 8°39 | 17° 2 | 11°35 | 11°20 | 25° 4 | 17°14 | 20° 1 | 17°21 | 17° 9 | 29°47 | 15°56 | T 8 |
| W 9 | 17 29 26 | 22°27'06 | 13♓35 | 2°52 | 9°52 | 17°45 | 11°49 | 11°27 | 25° 3 | 17°14 | 20° 2 | 17°21 | 17° 5 | 29°53 | 15°53 | W 9 |
| T 10 | 17 33 22 | 23°24'16 | 26°54 | 3°22 | 11° 5 | 18°27 | 12° 2 | 11°33 | 25° 2 | 17°13 | 20° 3 | 17°D21 | 17° 2 | 29°59 | 15°50 | T 10 |
| F 11 | 17 37 19 | 24°21'25 | 9♈50 | 3°56 | 12°19 | 19° 9 | 12°16 | 11°40 | 25° 1 | 17°13 | 20° 4 | 17°21 | 16°59 | 0♋ 7 | 15°47 | F 11 |
| S 12 | 17 41 15 | 25°18'35 | 22°26 | 4°35 | 13°32 | 19°51 | 12°30 | 11°46 | 25° 0 | 17°12 | 20° 6 | 17°21 | 16°56 | 0°13 | 15°45 | S 12 |
| S 13 | 17 45 12 | 26°15'45 | 4♉46 | 5°18 | 14°45 | 20°33 | 12°43 | 11°52 | 24°59 | 17°12 | 20° 7 | 17°22 | 16°53 | 0°20 | 15°42 | S 13 |
| M14 | 17 49 8 | 27°12'56 | 16°54 | 6° 6 | 15°59 | 21°15 | 12°57 | 11°59 | 24°58 | 17°12 | 20° 8 | 17°23 | 16°50 | 0°26 | 15°39 | M14 |
| T 15 | 17 53 5 | 28°10'06 | 28°52 | 6°59 | 17°12 | 21°57 | 13°10 | 12° 5 | 24°58 | 17°11 | 20°10 | 17°24 | 16°46 | 0°33 | 15°37 | T 15 |
| W16 | 17 57 2 | 29° 7'17 | 10♊44 | 7°56 | 18°25 | 22°39 | 13°24 | 12°11 | 24°57 | 17°11 | 20°11 | 17°25 | 16°43 | 0°40 | 15°35 | W16 |
| T 17 | 18 0 58 | 0♋ 4'28 | 22°32 | 8°58 | 19°39 | 23°21 | 13°37 | 12°17 | 24°56 | 17°11 | 20°13 | 17°R25 | 16°40 | 0°46 | 15°32 | T 17 |
| F 18 | 18 4 55 | 1° 1'40 | 4♋19 | 10° 4 | 20°52 | 24° 2 | 13°51 | 12°23 | 24°56 | 17°11 | 20°14 | 17°24 | 16°37 | 0°53 | 15°30 | F 18 |
| S 19 | 18 8 51 | 1°58'51 | 16° 7 | 11°15 | 22° 5 | 24°44 | 14° 4 | 12°29 | 24°55 | 17°11 | 20°15 | 17°23 | 16°34 | 1° 0 | 15°28 | S 19 |
| S 20 | 18 12 48 | 2°56'03 | 27°59 | 12°29 | 23°18 | 25°26 | 14°18 | 12°35 | 24°55 | 17°10 | 20°17 | 17°21 | 16°30 | 1° 6 | 15°26 | S 20 |
| M21 | 18 16 44 | 3°53'14 | 9♌56 | 13°48 | 24°32 | 26° 7 | 14°31 | 12°41 | 24°55 | 17°10 | 20°18 | 17°18 | 16°27 | 1°13 | 15°24 | M21 |
| T 22 | 18 20 41 | 4°50'26 | 22° 2 | 15°11 | 25°45 | 26°49 | 14°44 | 12°47 | 24°54 | 17°10 | 20°20 | 17°16 | 16°24 | 1°20 | 15°22 | T 22 |
| W23 | 18 24 37 | 5°47'38 | 4♍19 | 16°38 | 26°58 | 27°30 | 14°58 | 12°52 | 24°54 | 17°10 | 20°21 | 17°13 | 16°21 | 1°26 | 15°20 | W23 |
| T 24 | 18 28 34 | 6°44'50 | 16°50 | 18° 9 | 28°11 | 28°11 | 15°11 | 12°58 | 24°54 | 17°D10 | 20°23 | 17°12 | 16°18 | 1°33 | 15°18 | T 24 |
| F 25 | 18 32 31 | 7°42'03 | 29°38 | 19°44 | 29°24 | 28°53 | 15°24 | 13° 4 | 24°53 | 17°10 | 20°25 | 17°10 | 16°15 | 1°40 | 15°17 | F 25 |
| S 26 | 18 36 27 | 8°39'15 | 12♎46 | 21°23 | 0♌38 | 29°34 | 15°37 | 13° 9 | 24°53 | 17°10 | 20°26 | 17°D10 | 16°11 | 1°46 | 15°15 | S 26 |
| S 27 | 18 40 24 | 9°36'28 | 26°18 | 23° 5 | 1°51 | 0♊15 | 15°50 | 13°15 | 24°53 | 17°10 | 20°28 | 17°11 | 16° 8 | 1°53 | 15°14 | S 27 |
| M28 | 18 44 20 | 10°33'40 | 10♏14 | 24°51 | 3° 4 | 0°56 | 16° 4 | 13°20 | 24°D53 | 17°11 | 20°29 | 17°12 | 16° 5 | 2° 0 | 15°13 | M28 |
| T 29 | 18 48 17 | 11°30'54 | 24°35 | 26°40 | 4°17 | 1°37 | 16°17 | 13°25 | 24°53 | 17°11 | 20°31 | 17°14 | 16° 2 | 2° 6 | 15°11 | T 29 |
| W30 | 18 52 13 | 12♋28'07 | 9♐18 | 28♊32 | 5♌30 | 2♊18 | 16♊30 | 13♉31 | 24♎53 | 17♎11 | 20♌33 | 17♐15 | 15♐59 | 2♋13 | 15♏10 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n42 | 19s22 | 2s46 | 16n25 | 4s18 | 24n36 | 1n 2 | 15n 7 | 0s27 | 21n40 | 0s24 | 13n 2 | 2s 8 | 9s19 | 0n32 | 5s 7 | 1n52 | 26n28 | 12n12 | 22s58 | 22s59 | 22n32 | 14s57 | 1n56 |
| W 2 | 22 49 | 21 55 | 1 30 | 16 22 | 4 20 | 24 38 | 1 4 | 15 20 | 0 27 | 21 42 | 0 24 | 13 4 | 2 9 | 9 18 | 0 31 | 5 7 | 1 52 | 26 27 | 12 12 | 22 58 | 22 59 | 22 32 | 14 56 | 1 56 |
| T 3 | 22 54 | 22 57 | 0 8 | 16 21 | 4 21 | 24 39 | 1 6 | 15 34 | 0 26 | 21 44 | 0 24 | 13 6 | 2 9 | 9 18 | 0 31 | 5 6 | 1 52 | 26 27 | 12 12 | 22 58 | 22 58 | 22 31 | 14 55 | 1 56 |
| F 4 | 23 0 | 22 18 | 1n16 | 16 21 | 4 20 | 24 39 | 1 8 | 15 47 | 0 25 | 21 46 | 0 24 | 13 8 | 2 9 | 9 18 | 0 31 | 5 6 | 1 52 | 26 26 | 12 12 | 22 58 | 22 58 | 22 30 | 14 54 | 1 56 |
| S 5 | 23 5 | 20 2 | 2 34 | 16 24 | 4 18 | 24 38 | 1 9 | 16 0 | 0 25 | 21 48 | 0 24 | 13 10 | 2 9 | 9 17 | 0 31 | 5 6 | 1 51 | 26 26 | 12 11 | 22 58 | 22 58 | 22 29 | 14 53 | 1 57 |
| S 6 | 23 10 | 16 26 | 3 40 | 16 29 | 4 15 | 24 37 | 1 11 | 16 13 | 0 24 | 21 50 | 0 24 | 13 12 | 2 9 | 9 17 | 0 31 | 5 6 | 1 51 | 26 25 | 12 11 | 22 58 | 22 57 | 22 28 | 14 52 | 1 57 |
| M 7 | 23 14 | 11 55 | 4 31 | 16 37 | 4 11 | 24 34 | 1 13 | 16 26 | 0 23 | 21 52 | 0 24 | 13 14 | 2 9 | 9 16 | 0 31 | 5 6 | 1 51 | 26 24 | 12 11 | 22 58 | 22 57 | 22 27 | 14 51 | 1 57 |
| T 8 | 23 18 | 6 51 | 5 3 | 16 45 | 4 5 | 24 32 | 1 14 | 16 39 | 0 23 | 21 54 | 0 24 | 13 16 | 2 9 | 9 16 | 0 31 | 5 6 | 1 51 | 26 24 | 12 11 | 22 58 | 22 57 | 22 27 | 14 50 | 1 57 |
| W 9 | 23 21 | 1 37 | 5 17 | 16 56 | 3 59 | 24 28 | 1 16 | 16 52 | 0 22 | 21 56 | 0 24 | 13 18 | 2 9 | 9 16 | 0 31 | 5 5 | 1 51 | 26 23 | 12 10 | 22 58 | 22 56 | 22 26 | 14 49 | 1 57 |
| T 10 | 23 24 | 3n33 | 5 13 | 17 9 | 3 52 | 24 24 | 1 17 | 17 4 | 0 22 | 21 58 | 0 24 | 13 20 | 2 9 | 9 15 | 0 31 | 5 5 | 1 51 | 26 22 | 12 10 | 22 58 | 22 56 | 22 25 | 14 48 | 1 57 |
| F 11 | 23 27 | 8 25 | 4 54 | 17 23 | 3 44 | 24 18 | 1 19 | 17 16 | 0 21 | 22 0 | 0 24 | 13 22 | 2 9 | 9 15 | 0 31 | 5 5 | 1 51 | 26 22 | 12 10 | 22 58 | 22 56 | 22 24 | 14 47 | 1 57 |
| S 12 | 23 29 | 12 48 | 4 20 | 17 38 | 3 36 | 24 13 | 1 20 | 17 28 | 0 20 | 22 2 | 0 23 | 13 24 | 2 10 | 9 15 | 0 31 | 5 5 | 1 51 | 26 21 | 12 10 | 22 58 | 22 56 | 22 23 | 14 46 | 1 57 |
| S 13 | 23 31 | 16 34 | 3 35 | 17 55 | 3 26 | 24 6 | 1 22 | 17 40 | 0 20 | 22 4 | 0 23 | 13 25 | 2 10 | 9 15 | 0 31 | 5 5 | 1 51 | 26 20 | 12 10 | 22 58 | 22 55 | 22 22 | 14 45 | 1 58 |
| M14 | 23 33 | 19 33 | 2 41 | 18 13 | 3 16 | 23 59 | 1 23 | 17 52 | 0 19 | 22 6 | 0 23 | 13 27 | 2 10 | 9 14 | 0 31 | 5 5 | 1 51 | 26 20 | 12 9 | 22 58 | 22 55 | 22 21 | 14 44 | 1 58 |
| T 15 | 23 34 | 21 40 | 1 41 | 18 33 | 3 6 | 23 51 | 1 24 | 18 4 | 0 18 | 22 7 | 0 23 | 13 29 | 2 10 | 9 14 | 0 31 | 5 5 | 1 51 | 26 19 | 12 9 | 22 58 | 22 55 | 22 21 | 14 44 | 1 58 |
| W16 | 23 34 | 22 47 | 0 37 | 18 53 | 2 55 | 23 42 | 1 25 | 18 15 | 0 17 | 22 9 | 0 23 | 13 31 | 2 10 | 9 14 | 0 31 | 5 5 | 1 51 | 26 18 | 12 9 | 22 58 | 22 54 | 22 20 | 14 43 | 1 58 |
| T 17 | 23 34 | 22 53 | 0s28 | 19 14 | 2 43 | 23 33 | 1 26 | 18 27 | 0 17 | 22 11 | 0 23 | 13 33 | 2 10 | 9 14 | 0 31 | 5 5 | 1 51 | 26 18 | 12 9 | 22 58 | 22 54 | 22 19 | 14 42 | 1 58 |
| F 18 | 23 34 | 21 58 | 1 32 | 19 35 | 2 31 | 23 23 | 1 28 | 18 38 | 0 16 | 22 13 | 0 23 | 13 34 | 2 10 | 9 14 | 0 31 | 5 5 | 1 51 | 26 17 | 12 8 | 22 58 | 22 54 | 22 18 | 14 41 | 1 58 |
| S 19 | 23 33 | 20 4 | 2 32 | 19 57 | 2 19 | 23 12 | 1 29 | 18 49 | 0 15 | 22 14 | 0 23 | 13 36 | 2 10 | 9 13 | 0 31 | 5 5 | 1 51 | 26 16 | 12 8 | 22 58 | 22 53 | 22 17 | 14 41 | 1 58 |
| S 20 | 23 32 | 17 19 | 3 26 | 20 20 | 2 6 | 23 1 | 1 29 | 18 59 | 0 15 | 22 16 | 0 23 | 13 38 | 2 11 | 9 13 | 0 31 | 5 5 | 1 51 | 26 16 | 12 8 | 22 58 | 22 53 | 22 16 | 14 40 | 1 58 |
| M21 | 23 31 | 13 49 | 4 11 | 20 42 | 1 54 | 22 49 | 1 30 | 19 10 | 0 14 | 22 18 | 0 23 | 13 39 | 2 11 | 9 13 | 0 31 | 5 5 | 1 51 | 26 15 | 12 8 | 22 58 | 22 53 | 22 15 | 14 39 | 1 58 |
| T 22 | 23 29 | 9 44 | 4 46 | 21 5 | 1 41 | 22 36 | 1 31 | 19 20 | 0 13 | 22 19 | 0 23 | 13 41 | 2 11 | 9 13 | 0 31 | 5 5 | 1 51 | 26 14 | 12 8 | 22 57 | 22 52 | 22 14 | 14 39 | 1 58 |
| W23 | 23 27 | 5 12 | 5 8 | 21 27 | 1 28 | 22 23 | 1 32 | 19 30 | 0 13 | 22 21 | 0 23 | 13 42 | 2 11 | 9 13 | 0 31 | 5 5 | 1 50 | 26 14 | 12 7 | 22 57 | 22 52 | 22 13 | 14 38 | 1 59 |
| T 24 | 23 24 | 0 23 | 5 16 | 21 48 | 1 14 | 22 9 | 1 33 | 19 40 | 0 12 | 22 22 | 0 23 | 13 44 | 2 11 | 9 13 | 0 31 | 5 5 | 1 50 | 26 13 | 12 7 | 22 57 | 22 52 | 22 12 | 14 38 | 1 59 |
| F 25 | 23 21 | 4s34 | 5 8 | 22 9 | 1 1 | 21 54 | 1 33 | 19 50 | 0 11 | 22 24 | 0 23 | 13 46 | 2 11 | 9 13 | 0 31 | 5 5 | 1 50 | 26 12 | 12 7 | 22 57 | 22 51 | 22 11 | 14 37 | 1 59 |
| S 26 | 23 17 | 9 26 | 4 45 | 22 29 | 0 48 | 21 39 | 1 34 | 20 0 | 0 10 | 22 25 | 0 23 | 13 47 | 2 11 | 9 13 | 0 31 | 5 5 | 1 50 | 26 12 | 12 7 | 22 57 | 22 51 | 22 10 | 14 37 | 1 59 |
| S 27 | 23 13 | 14 0 | 4 5 | 22 48 | 0 35 | 21 23 | 1 34 | 20 9 | 0 10 | 22 27 | 0 23 | 13 49 | 2 12 | 9 13 | 0 31 | 5 5 | 1 50 | 26 11 | 12 7 | 22 57 | 22 51 | 22 10 | 14 36 | 1 59 |
| M28 | 23 9 | 17 58 | 3 10 | 23 6 | 0 23 | 21 7 | 1 35 | 20 19 | 0 9 | 22 28 | 0 23 | 13 50 | 2 12 | 9 13 | 0 31 | 5 5 | 1 50 | 26 10 | 12 7 | 22 57 | 22 50 | 22 9 | 14 36 | 1 59 |
| T 29 | 23 4 | 20 59 | 2 2 | 23 21 | 0 10 | 20 50 | 1 35 | 20 28 | 0 8 | 22 30 | 0 23 | 13 52 | 2 12 | 9 13 | 0 31 | 5 5 | 1 50 | 26 10 | 12 6 | 22 57 | 22 50 | 22 8 | 14 35 | 1 59 |
| W30 | 22n59 | 22s41 | 0s44 | 23n35 | 0n 2 | 20n32 | 1n35 | 20n37 | 0s 8 | 22n31 | 0s22 | 13n53 | 2s12 | 9s13 | 0n31 | 5s 5 | 1n50 | 26n 9 | 12n 6 | 22s57 | 22s50 | 22n 7 | 14s35 | 1n59 |

Julian Day Number = 2075136.5, Delta T = 27m02s
Ecliptic obliquity = 23°34'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'38, Lahiri = 9°29'38 Julian Calendar 1 June 969 == Greg. Calendar 6 June 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## JULY 969 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 56 10 | 13♋25'21 | 24♐18 | 0♋27 | 6♌43 | 2♊59 | 16♊43 | 13♉36 | 24♎53 | 17♎11 | 20♌34 | 17°R15 | 15♐56 | 2♋20 | 15°R 9 | T 1 |
| F 2 | 19 0 6 | 14°22'35 | 9♑29 | 2°24 | 7°56 | 3°40 | 16°56 | 13°41 | 24°54 | 17°11 | 20°36 | 17♐13 | 15°52 | 2°26 | 15♏ 8 | F 2 |
| S 3 | 19 4 3 | 15°19'51 | 24°40 | 4°24 | 9° 9 | 4°20 | 17° 9 | 13°46 | 24°54 | 17°12 | 20°38 | 17°11 | 15°49 | 2°33 | 15° 7 | S 3 |
| S 4 | 19 8 0 | 16°17'06 | 9♒42 | 6°26 | 10°22 | 5° 1 | 17°21 | 13°51 | 24°54 | 17°12 | 20°40 | 17° 7 | 15°46 | 2°40 | 15° 7 | S 4 |
| M 5 | 19 11 56 | 17°14'23 | 24°26 | 8°29 | 11°35 | 5°42 | 17°34 | 13°56 | 24°54 | 17°12 | 20°41 | 17° 3 | 15°43 | 2°46 | 15° 6 | M 5 |
| T 6 | 19 15 53 | 18°11'40 | 8♓46 | 10°33 | 12°48 | 6°22 | 17°47 | 14° 0 | 24°55 | 17°13 | 20°43 | 16°59 | 15°40 | 2°53 | 15° 5 | T 6 |
| W 7 | 19 19 49 | 19° 8'59 | 22°38 | 12°38 | 14° 1 | 7° 3 | 18° 0 | 14° 5 | 24°55 | 17°13 | 20°45 | 16°56 | 15°36 | 2°59 | 15° 5 | W 7 |
| T 8 | 19 23 46 | 20° 6'18 | 6♈ 3 | 14°44 | 15°14 | 7°43 | 18°12 | 14°10 | 24°56 | 17°14 | 20°47 | 16°53 | 15°33 | 3° 6 | 15° 5 | T 8 |
| F 9 | 19 27 42 | 21° 3'39 | 19° 0 | 16°50 | 16°27 | 8°23 | 18°25 | 14°14 | 24°56 | 17°14 | 20°48 | 16°D52 | 15°30 | 3°13 | 15° 4 | F 9 |
| S 10 | 19 31 39 | 22° 1'00 | 1♉35 | 18°56 | 17°40 | 9° 4 | 18°38 | 14°19 | 24°57 | 17°14 | 20°50 | 16°53 | 15°27 | 3°19 | 15° 4 | S 10 |
| S 11 | 19 35 35 | 22°58'23 | 13°51 | 21° 2 | 18°53 | 9°44 | 18°50 | 14°23 | 24°57 | 17°15 | 20°52 | 16°54 | 15°24 | 3°26 | 15°D 4 | S 11 |
| M12 | 19 39 32 | 23°55'47 | 25°53 | 23° 8 | 20° 6 | 10°24 | 19° 3 | 14°28 | 24°58 | 17°16 | 20°54 | 16°56 | 15°21 | 3°33 | 15° 4 | M12 |
| T 13 | 19 43 29 | 24°53'13 | 7♊46 | 25°12 | 21°19 | 11° 4 | 19°15 | 14°32 | 24°59 | 17°16 | 20°56 | 16°57 | 15°17 | 3°39 | 15° 4 | T 13 |
| W14 | 19 47 25 | 25°50'39 | 19°33 | 27°16 | 22°31 | 11°44 | 19°27 | 14°36 | 25° 0 | 17°17 | 20°58 | 16°R57 | 15°14 | 3°46 | 15° 4 | W14 |
| T 15 | 19 51 22 | 26°48'07 | 1♋20 | 29°19 | 23°44 | 12°24 | 19°39 | 14°40 | 25° 0 | 17°17 | 20°59 | 16°56 | 15°11 | 3°53 | 15° 5 | T 15 |
| F 16 | 19 55 18 | 27°45'36 | 13° 8 | 1♌21 | 24°57 | 13° 4 | 19°52 | 14°44 | 25° 1 | 17°18 | 21° 1 | 16°53 | 15° 8 | 3°59 | 15° 5 | F 16 |
| S 17 | 19 59 15 | 28°43'06 | 25° 1 | 3°22 | 26°10 | 13°44 | 20° 4 | 14°48 | 25° 2 | 17°19 | 21° 3 | 16°48 | 15° 5 | 4° 6 | 15° 6 | S 17 |
| S 18 | 20 3 11 | 29°40'37 | 7♌ 1 | 5°21 | 27°23 | 14°23 | 20°16 | 14°52 | 25° 3 | 17°20 | 21° 5 | 16°42 | 15° 2 | 4°13 | 15° 6 | S 18 |
| M19 | 20 7 8 | 0♌38'09 | 19° 8 | 7°19 | 28°35 | 15° 3 | 20°28 | 14°55 | 25° 4 | 17°20 | 21° 7 | 16°34 | 14°58 | 4°19 | 15° 7 | M19 |
| T 20 | 20 11 4 | 1°35'43 | 1♍25 | 9°15 | 29°48 | 15°42 | 20°40 | 14°59 | 25° 5 | 17°21 | 21° 9 | 16°26 | 14°55 | 4°26 | 15° 8 | T 20 |
| W21 | 20 15 1 | 2°33'17 | 13°53 | 11°10 | 1♍ 1 | 16°22 | 20°52 | 15° 2 | 25° 7 | 17°22 | 21°11 | 16°18 | 14°52 | 4°33 | 15° 9 | W21 |
| T 22 | 20 18 58 | 3°30'52 | 26°33 | 13° 4 | 2°14 | 17° 1 | 21° 4 | 15° 6 | 25° 8 | 17°23 | 21°13 | 16°12 | 14°49 | 4°39 | 15°10 | T 22 |
| F 23 | 20 22 54 | 4°28'29 | 9♎26 | 14°56 | 3°26 | 17°41 | 21°15 | 15° 9 | 25° 9 | 17°24 | 21°15 | 16° 7 | 14°46 | 4°46 | 15°11 | F 23 |
| S 24 | 20 26 51 | 5°26'06 | 22°36 | 16°47 | 4°39 | 18°20 | 21°27 | 15°12 | 25°10 | 17°25 | 21°17 | 16° 4 | 14°42 | 4°53 | 15°12 | S 24 |
| S 25 | 20 30 47 | 6°23'44 | 6♏ 3 | 18°36 | 5°52 | 18°59 | 21°38 | 15°16 | 25°12 | 17°26 | 21°19 | 16°D 3 | 14°39 | 4°59 | 15°13 | S 25 |
| M26 | 20 34 44 | 7°21'24 | 19°50 | 20°23 | 7° 4 | 19°38 | 21°50 | 15°19 | 25°13 | 17°27 | 21°21 | 16° 4 | 14°36 | 5° 6 | 15°15 | M26 |
| T 27 | 20 38 40 | 8°19'04 | 3♐56 | 22°10 | 8°17 | 20°17 | 22° 1 | 15°22 | 25°15 | 17°28 | 21°23 | 16° 5 | 14°33 | 5°13 | 15°16 | T 27 |
| W28 | 20 42 37 | 9°16'46 | 18°23 | 23°54 | 9°29 | 20°56 | 22°13 | 15°24 | 25°16 | 17°29 | 21°25 | 16°R 5 | 14°30 | 5°19 | 15°18 | W28 |
| T 29 | 20 46 33 | 10°14'29 | 3♑ 7 | 25°38 | 10°42 | 21°35 | 22°24 | 15°27 | 25°18 | 17°30 | 21°27 | 16° 4 | 14°27 | 5°26 | 15°20 | T 29 |
| F 30 | 20 50 30 | 11°12'13 | 18° 2 | 27°20 | 11°54 | 22°14 | 22°35 | 15°30 | 25°19 | 17°31 | 21°29 | 16° 1 | 14°23 | 5°33 | 15°21 | F 30 |
| S 31 | 20 54 27 | 12♌ 9'58 | 3♒ 3 | 29♌ 0 | 13♍ 7 | 22♊53 | 22♊46 | 15♉32 | 25♎21 | 17♎32 | 21♌31 | 15♐55 | 14♐20 | 5♋39 | 15♏23 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n53 | 22s48 | 0n39 | 23n48 | 0n13 | 20n14 | 1n35 | 20n46 | 0s 7 | 22n32 | 0s22 | 13n54 | 2s12 | 9s13 | 0n31 | 5s 6 | 1n50 | 26n 8 | 12n 6 | 22s57 | 22s49 | 22n 6 | 14s34 | 1n59 |
| F 2 | 22 47 | 21 15 | 1 59 | 23 57 | 0 24 | 19 55 | 1 35 | 20 54 | 0 6 | 22 34 | 0 22 | 13 56 | 2 12 | 9 13 | 0 30 | 5 6 | 1 50 | 26 7 | 12 6 | 22 57 | 22 49 | 22 5 | 14 34 | 1 59 |
| S 3 | 22 41 | 18 10 | 3 11 | 24 5 | 0 35 | 19 36 | 1 35 | 21 2 | 0 5 | 22 35 | 0 22 | 13 57 | 2 12 | 9 13 | 0 30 | 5 6 | 1 50 | 26 7 | 12 6 | 22 57 | 22 49 | 22 4 | 14 34 | 1 59 |
| S 4 | 22 34 | 13 55 | 4 9 | 24 10 | 0 45 | 19 16 | 1 35 | 21 11 | 0 5 | 22 36 | 0 22 | 13 58 | 2 13 | 9 13 | 0 30 | 5 6 | 1 50 | 26 6 | 12 6 | 22 57 | 22 48 | 22 3 | 14 34 | 1 59 |
| M 5 | 22 27 | 8 54 | 4 49 | 24 12 | 0 54 | 18 56 | 1 35 | 21 19 | 0 4 | 22 38 | 0 22 | 14 0 | 2 13 | 9 13 | 0 30 | 5 6 | 1 50 | 26 5 | 12 6 | 22 56 | 22 48 | 22 2 | 14 33 | 1 59 |
| T 6 | 22 20 | 3 32 | 5 10 | 24 12 | 1 3 | 18 35 | 1 35 | 21 26 | 0 3 | 22 39 | 0 22 | 14 1 | 2 13 | 9 14 | 0 30 | 5 6 | 1 50 | 26 5 | 12 5 | 22 56 | 22 48 | 22 1 | 14 33 | 1 59 |
| W 7 | 22 12 | 1n50 | 5 12 | 24 8 | 1 11 | 18 14 | 1 35 | 21 34 | 0 2 | 22 40 | 0 22 | 14 2 | 2 13 | 9 14 | 0 30 | 5 7 | 1 50 | 26 4 | 12 5 | 22 56 | 22 47 | 22 0 | 14 33 | 1 59 |
| T 8 | 22 3 | 6 56 | 4 56 | 24 2 | 1 18 | 17 52 | 1 35 | 21 41 | 0 2 | 22 41 | 0 21 | 14 3 | 2 13 | 9 14 | 0 30 | 5 7 | 1 50 | 26 3 | 12 5 | 22 55 | 22 47 | 21 59 | 14 33 | 1 59 |
| F 9 | 21 55 | 11 34 | 4 25 | 23 54 | 1 24 | 17 29 | 1 34 | 21 49 | 0 1 | 22 43 | 0 21 | 14 5 | 2 13 | 9 14 | 0 30 | 5 7 | 1 50 | 26 2 | 12 5 | 22 55 | 22 47 | 21 58 | 14 33 | 1 59 |
| S 10 | 21 46 | 15 34 | 3 43 | 23 42 | 1 30 | 17 7 | 1 34 | 21 56 | 0 0 | 22 44 | 0 21 | 14 6 | 2 14 | 9 15 | 0 30 | 5 7 | 1 49 | 26 2 | 12 5 | 22 55 | 22 46 | 21 57 | 14 33 | 1 59 |
| S 11 | 21 36 | 18 48 | 2 51 | 23 28 | 1 34 | 16 43 | 1 33 | 22 3 | 0n 1 | 22 45 | 0 21 | 14 7 | 2 14 | 9 15 | 0 30 | 5 8 | 1 49 | 26 1 | 12 5 | 22 55 | 22 46 | 21 56 | 14 32 | 2 0 |
| M12 | 21 26 | 21 9 | 1 53 | 23 12 | 1 38 | 16 20 | 1 33 | 22 9 | 0 1 | 22 46 | 0 21 | 14 8 | 2 14 | 9 15 | 0 30 | 5 8 | 1 49 | 26 0 | 12 5 | 22 56 | 22 46 | 21 55 | 14 32 | 2 0 |
| T 13 | 21 16 | 22 33 | 0 50 | 22 53 | 1 42 | 15 55 | 1 32 | 22 16 | 0 2 | 22 47 | 0 21 | 14 9 | 2 14 | 9 15 | 0 30 | 5 8 | 1 49 | 26 0 | 12 5 | 22 56 | 22 45 | 21 54 | 14 32 | 2 0 |
| W14 | 21 6 | 22 55 | 0s14 | 22 31 | 1 44 | 15 31 | 1 31 | 22 22 | 0 3 | 22 48 | 0 21 | 14 10 | 2 14 | 9 16 | 0 30 | 5 8 | 1 49 | 25 59 | 12 5 | 22 56 | 22 45 | 21 53 | 14 32 | 2 0 |
| T 15 | 20 55 | 22 16 | 1 17 | 22 8 | 1 46 | 15 6 | 1 30 | 22 28 | 0 4 | 22 49 | 0 21 | 14 11 | 2 15 | 9 16 | 0 30 | 5 9 | 1 49 | 25 58 | 12 5 | 22 56 | 22 45 | 21 52 | 14 33 | 2 0 |
| F 16 | 20 43 | 20 38 | 2 18 | 21 42 | 1 47 | 14 41 | 1 29 | 22 34 | 0 5 | 22 50 | 0 21 | 14 12 | 2 15 | 9 16 | 0 30 | 5 9 | 1 49 | 25 57 | 12 4 | 22 55 | 22 44 | 21 51 | 14 33 | 2 0 |
| S 17 | 20 32 | 18 6 | 3 12 | 21 15 | 1 47 | 14 15 | 1 28 | 22 40 | 0 5 | 22 51 | 0 21 | 14 13 | 2 15 | 9 17 | 0 30 | 5 9 | 1 49 | 25 57 | 12 4 | 22 55 | 22 44 | 21 50 | 14 33 | 2 0 |
| S 18 | 20 20 | 14 47 | 3 58 | 20 46 | 1 47 | 13 49 | 1 27 | 22 45 | 0 6 | 22 52 | 0 21 | 14 14 | 2 15 | 9 17 | 0 30 | 5 10 | 1 49 | 25 56 | 12 4 | 22 54 | 22 44 | 21 49 | 14 33 | 2 0 |
| M19 | 20 8 | 10 50 | 4 34 | 20 15 | 1 46 | 13 22 | 1 26 | 22 51 | 0 7 | 22 53 | 0 21 | 14 15 | 2 15 | 9 18 | 0 30 | 5 10 | 1 49 | 25 55 | 12 4 | 22 53 | 22 43 | 21 48 | 14 33 | 2 0 |
| T 20 | 19 55 | 6 23 | 4 58 | 19 43 | 1 44 | 12 56 | 1 25 | 22 56 | 0 8 | 22 54 | 0 21 | 14 16 | 2 16 | 9 18 | 0 30 | 5 10 | 1 49 | 25 55 | 12 4 | 22 53 | 22 43 | 21 47 | 14 33 | 2 0 |
| W21 | 19 42 | 1 38 | 5 8 | 19 9 | 1 42 | 12 28 | 1 24 | 23 1 | 0 8 | 22 55 | 0 21 | 14 17 | 2 16 | 9 18 | 0 30 | 5 11 | 1 49 | 25 54 | 12 4 | 22 52 | 22 42 | 21 45 | 14 34 | 2 0 |
| T 22 | 19 29 | 3s15 | 5 3 | 18 35 | 1 40 | 12 1 | 1 22 | 23 5 | 0 9 | 22 56 | 0 21 | 14 17 | 2 16 | 9 19 | 0 30 | 5 11 | 1 49 | 25 53 | 12 4 | 22 51 | 22 42 | 21 44 | 14 34 | 2 0 |
| F 23 | 19 15 | 8 6 | 4 43 | 17 59 | 1 37 | 11 33 | 1 21 | 23 10 | 0 10 | 22 56 | 0 20 | 14 18 | 2 16 | 9 19 | 0 30 | 5 12 | 1 49 | 25 53 | 12 4 | 22 51 | 22 42 | 21 43 | 14 34 | 2 0 |
| S 24 | 19 1 | 12 40 | 4 8 | 17 22 | 1 33 | 11 5 | 1 19 | 23 14 | 0 11 | 22 57 | 0 20 | 14 19 | 2 16 | 9 20 | 0 30 | 5 12 | 1 49 | 25 52 | 12 4 | 22 50 | 22 41 | 21 42 | 14 34 | 2 0 |
| S 25 | 18 47 | 16 44 | 3 19 | 16 45 | 1 29 | 10 37 | 1 18 | 23 18 | 0 12 | 22 58 | 0 20 | 14 20 | 2 16 | 9 20 | 0 30 | 5 12 | 1 49 | 25 51 | 12 4 | 22 50 | 22 41 | 21 41 | 14 35 | 2 0 |
| M26 | 18 32 | 19 59 | 2 17 | 16 6 | 1 25 | 10 8 | 1 16 | 23 22 | 0 12 | 22 59 | 0 20 | 14 20 | 2 17 | 9 21 | 0 30 | 5 13 | 1 49 | 25 50 | 12 4 | 22 50 | 22 41 | 21 40 | 14 35 | 2 0 |
| T 27 | 18 17 | 22 7 | 1 5 | 15 27 | 1 20 | 9 39 | 1 14 | 23 26 | 0 13 | 23 0 | 0 20 | 14 21 | 2 17 | 9 22 | 0 30 | 5 13 | 1 49 | 25 50 | 12 4 | 22 50 | 22 40 | 21 39 | 14 36 | 2 0 |
| W28 | 18 2 | 22 51 | 0n12 | 14 48 | 1 15 | 9 10 | 1 12 | 23 30 | 0 14 | 23 0 | 0 20 | 14 22 | 2 17 | 9 22 | 0 30 | 5 14 | 1 48 | 25 49 | 12 4 | 22 50 | 22 40 | 21 38 | 14 36 | 2 0 |
| T 29 | 17 46 | 22 2 | 1 30 | 14 8 | 1 9 | 8 41 | 1 11 | 23 33 | 0 15 | 23 1 | 0 20 | 14 22 | 2 17 | 9 23 | 0 30 | 5 14 | 1 48 | 25 48 | 12 4 | 22 50 | 22 40 | 21 37 | 14 36 | 2 0 |
| F 30 | 17 31 | 19 40 | 2 43 | 13 27 | 1 3 | 8 11 | 1 9 | 23 36 | 0 16 | 23 2 | 0 20 | 14 23 | 2 18 | 9 23 | 0 30 | 5 15 | 1 48 | 25 48 | 12 4 | 22 50 | 22 39 | 21 36 | 14 37 | 2 0 |
| S 31 | 17n15 | 15s57 | 3n44 | 12n46 | 0n57 | 7n42 | 1n 7 | 23n39 | 0n17 | 23n 2 | 0s20 | 14n23 | 2s18 | 9s24 | 0n29 | 5s15 | 1n48 | 25n47 | 12n 4 | 22s49 | 22s39 | 21n35 | 14s38 | 2n 0 |

Julian Day Number = 2075166.5, Delta T = 27m01s
Ecliptic obliquity = 23°34'19, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'42, Lahiri = 9°29'43 Julian Calendar 1 July 969 == Greg. Calendar 6 July 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## AUGUST 969 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 58 23 | 13♌ 7'45 | 17♒59 | 0♍39 | 14♍19 | 23♊31 | 22♊57 | 15♉35 | 25♎22 | 17♎33 | 21♌33 | 15°R47 | 14♐17 | 5♋46 | 15♏25 | S 1 |
| M 2 | 21 2 20 | 14° 5'33 | 2♓42 | 2°17 | 15°31 | 24°10 | 23° 8 | 15°37 | 25°24 | 17°35 | 21°35 | 15♐39 | 14°14 | 5°52 | 15°27 | M 2 |
| T 3 | 21 6 16 | 15° 3'23 | 17° 5 | 3°53 | 16°44 | 24°48 | 23°19 | 15°40 | 25°26 | 17°36 | 21°37 | 15°30 | 14°11 | 5°59 | 15°30 | T 3 |
| W 4 | 21 10 13 | 16° 1'14 | 1♈ 1 | 5°28 | 17°56 | 25°27 | 23°30 | 15°42 | 25°28 | 17°37 | 21°39 | 15°22 | 14° 7 | 6° 6 | 15°32 | W 4 |
| T 5 | 21 14 9 | 16°59'07 | 14°30 | 7° 2 | 19° 8 | 26° 5 | 23°40 | 15°44 | 25°30 | 17°38 | 21°41 | 15°15 | 14° 4 | 6°12 | 15°34 | T 5 |
| F 6 | 21 18 6 | 17°57'02 | 27°31 | 8°34 | 20°20 | 26°44 | 23°51 | 15°46 | 25°32 | 17°40 | 21°43 | 15°11 | 14° 1 | 6°19 | 15°37 | F 6 |
| S 7 | 21 22 2 | 18°54'59 | 10♉ 7 | 10° 5 | 21°33 | 27°22 | 24° 1 | 15°48 | 25°34 | 17°41 | 21°45 | 15° 9 | 13°58 | 6°26 | 15°39 | S 7 |
| S 8 | 21 25 59 | 19°52'58 | 22°24 | 11°35 | 22°45 | 28° 0 | 24°12 | 15°49 | 25°36 | 17°42 | 21°47 | 15°D 9 | 13°55 | 6°32 | 15°42 | S 8 |
| M 9 | 21 29 56 | 20°50'59 | 4♊25 | 13° 3 | 23°57 | 28°38 | 24°22 | 15°51 | 25°38 | 17°44 | 21°49 | 15° 9 | 13°52 | 6°39 | 15°45 | M 9 |
| T 10 | 21 33 52 | 21°49'02 | 16°17 | 14°30 | 25° 9 | 29°16 | 24°32 | 15°53 | 25°40 | 17°45 | 21°51 | 15°R 9 | 13°48 | 6°46 | 15°47 | T 10 |
| W11 | 21 37 49 | 22°47'07 | 28° 4 | 15°55 | 26°21 | 29°54 | 24°42 | 15°54 | 25°42 | 17°47 | 21°53 | 15° 9 | 13°45 | 6°52 | 15°50 | W11 |
| T 12 | 21 41 45 | 23°45'13 | 9♋52 | 17°19 | 27°33 | 0♋32 | 24°52 | 15°55 | 25°44 | 17°48 | 21°55 | 15° 6 | 13°42 | 6°59 | 15°53 | T 12 |
| F 13 | 21 45 42 | 24°43'22 | 21°44 | 18°41 | 28°45 | 1° 9 | 25° 2 | 15°56 | 25°46 | 17°50 | 21°57 | 15° 0 | 13°39 | 7° 6 | 15°57 | F 13 |
| S 14 | 21 49 38 | 25°41'32 | 3♌43 | 20° 2 | 29°57 | 1°47 | 25°12 | 15°58 | 25°49 | 17°51 | 21°59 | 14°52 | 13°36 | 7°12 | 16° 0 | S 14 |
| S 15 | 21 53 35 | 26°39'45 | 15°53 | 21°22 | 1♎ 9 | 2°25 | 25°21 | 15°59 | 25°51 | 17°53 | 22° 1 | 14°42 | 13°33 | 7°19 | 16° 3 | S 15 |
| M16 | 21 57 31 | 27°37'59 | 28°14 | 22°40 | 2°21 | 3° 2 | 25°31 | 15°59 | 25°53 | 17°54 | 22° 3 | 14°30 | 13°29 | 7°26 | 16° 6 | M16 |
| T 17 | 22 1 28 | 28°36'15 | 10♍47 | 23°56 | 3°33 | 3°39 | 25°40 | 16° 0 | 25°56 | 17°56 | 22° 5 | 14°17 | 13°26 | 7°32 | 16°10 | T 17 |
| W18 | 22 5 25 | 29°34'32 | 23°32 | 25°11 | 4°45 | 4°17 | 25°49 | 16° 1 | 25°58 | 17°58 | 22° 7 | 14° 5 | 13°23 | 7°39 | 16°13 | W18 |
| T 19 | 22 9 21 | 0♍32'52 | 6♎29 | 26°24 | 5°57 | 4°54 | 25°59 | 16° 2 | 26° 1 | 17°59 | 22° 9 | 13°54 | 13°20 | 7°46 | 16°17 | T 19 |
| F 20 | 22 13 18 | 1°31'13 | 19°37 | 27°35 | 7° 9 | 5°31 | 26° 8 | 16° 2 | 26° 3 | 18° 1 | 22°11 | 13°46 | 13°17 | 7°52 | 16°21 | F 20 |
| S 21 | 22 17 14 | 2°29'35 | 2♏57 | 28°44 | 8°20 | 6° 8 | 26°17 | 16° 2 | 26° 6 | 18° 2 | 22°13 | 13°40 | 13°13 | 7°59 | 16°25 | S 21 |
| S 22 | 22 21 11 | 3°28'00 | 16°29 | 29°51 | 9°32 | 6°45 | 26°25 | 16° 3 | 26° 8 | 18° 4 | 22°15 | 13°37 | 13°10 | 8° 6 | 16°28 | S 22 |
| M23 | 22 25 7 | 4°26'26 | 0♐13 | 0♎56 | 10°44 | 7°22 | 26°34 | 16° 3 | 26°11 | 18° 6 | 22°17 | 13°D37 | 13° 7 | 8°12 | 16°32 | M23 |
| T 24 | 22 29 4 | 5°24'54 | 14°11 | 1°58 | 11°55 | 7°59 | 26°43 | 16°R 3 | 26°13 | 18° 8 | 22°19 | 13°R37 | 13° 4 | 8°19 | 16°36 | T 24 |
| W25 | 22 33 0 | 6°23'23 | 28°23 | 2°59 | 13° 7 | 8°35 | 26°51 | 16° 3 | 26°16 | 18° 9 | 22°21 | 13°36 | 13° 1 | 8°26 | 16°41 | W25 |
| T 26 | 22 36 57 | 7°21'54 | 12♑47 | 3°56 | 14°18 | 9°12 | 26°59 | 16° 2 | 26°19 | 18°11 | 22°23 | 13°34 | 12°58 | 8°32 | 16°45 | T 26 |
| F 27 | 22 40 54 | 8°20'27 | 27°20 | 4°51 | 15°30 | 9°48 | 27° 8 | 16° 2 | 26°22 | 18°13 | 22°25 | 13°29 | 12°54 | 8°39 | 16°49 | F 27 |
| S 28 | 22 44 50 | 9°19'01 | 11♒59 | 5°43 | 16°41 | 10°25 | 27°16 | 16° 2 | 26°25 | 18°15 | 22°27 | 13°22 | 12°51 | 8°46 | 16°54 | S 28 |
| S 29 | 22 48 47 | 10°17'37 | 26°35 | 6°32 | 17°53 | 11° 1 | 27°24 | 16° 1 | 26°27 | 18°17 | 22°29 | 13°12 | 12°48 | 8°52 | 16°58 | S 29 |
| M30 | 22 52 43 | 11°16'15 | 11♓ 3 | 7°17 | 19° 4 | 11°37 | 27°31 | 16° 1 | 26°30 | 18°19 | 22°31 | 13° 0 | 12°45 | 8°59 | 17° 2 | M30 |
| T 31 | 22 56 40 | 12♍14'55 | 25♓14 | 7♎59 | 20♎15 | 12♋13 | 27♊39 | 16♉ 0 | 26♎33 | 18♎20 | 22♌33 | 12♐48 | 12♐42 | 9♋ 6 | 17♏ 7 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n58 | 11s14 | 4n30 | 12n 5 | 0n50 | 7n12 | 1n 4 | 23n42 | 0n17 | 23n 3 | 0s20 | 14n24 | 2s18 | 9s25 | 0n29 | 5s16 | 1n48 | 25n46 | 12n 4 | 22s49 | 22s38 | 21n34 | 14s38 | 2n 0 |
| M 2 | 16 41 | 5 56 | 4 57 | 11 24 | 0 44 | 6 42 | 1 2 | 23 45 | 0 18 | 23 4 | 0 20 | 14 24 | 2 18 | 9 25 | 0 29 | 5 16 | 1 48 | 25 46 | 12 4 | 22 48 | 22 38 | 21 32 | 14 39 | 2 0 |
| T 3 | 16 25 | 0 27 | 5 5 | 10 42 | 0 37 | 6 11 | 1 0 | 23 47 | 0 19 | 23 4 | 0 20 | 14 25 | 2 18 | 9 26 | 0 29 | 5 17 | 1 48 | 25 45 | 12 4 | 22 47 | 22 38 | 21 31 | 14 39 | 2 0 |
| W 4 | 16 7 | 4n54 | 4 54 | 10 1 | 0 30 | 5 41 | 0 58 | 23 49 | 0 20 | 23 5 | 0 20 | 14 25 | 2 19 | 9 27 | 0 29 | 5 17 | 1 48 | 25 44 | 12 4 | 22 46 | 22 37 | 21 30 | 14 40 | 2 0 |
| T 5 | 15 50 | 9 50 | 4 27 | 9 19 | 0 22 | 5 10 | 0 55 | 23 51 | 0 21 | 23 6 | 0 20 | 14 26 | 2 19 | 9 27 | 0 29 | 5 18 | 1 48 | 25 44 | 12 4 | 22 45 | 22 37 | 21 29 | 14 41 | 2 0 |
| F 6 | 15 32 | 14 9 | 3 46 | 8 38 | 0 15 | 4 40 | 0 53 | 23 53 | 0 21 | 23 6 | 0 20 | 14 26 | 2 19 | 9 28 | 0 29 | 5 18 | 1 48 | 25 43 | 12 4 | 22 45 | 22 37 | 21 28 | 14 41 | 2 0 |
| S 7 | 15 14 | 17 43 | 2 56 | 7 56 | 0 7 | 4 9 | 0 51 | 23 55 | 0 22 | 23 7 | 0 19 | 14 26 | 2 19 | 9 29 | 0 29 | 5 19 | 1 48 | 25 42 | 12 4 | 22 44 | 22 36 | 21 27 | 14 42 | 2 0 |
| S 8 | 14 56 | 20 23 | 1 59 | 7 14 | 0s 1 | 3 38 | 0 48 | 23 57 | 0 23 | 23 7 | 0 19 | 14 27 | 2 19 | 9 30 | 0 29 | 5 19 | 1 48 | 25 42 | 12 4 | 22 44 | 22 36 | 21 26 | 14 43 | 2 0 |
| M 9 | 14 37 | 22 5 | 0 57 | 6 33 | 0 9 | 3 7 | 0 45 | 23 58 | 0 24 | 23 8 | 0 19 | 14 27 | 2 20 | 9 30 | 0 29 | 5 20 | 1 48 | 25 41 | 12 4 | 22 44 | 22 35 | 21 25 | 14 44 | 2 0 |
| T 10 | 14 19 | 22 46 | 0s 6 | 5 52 | 0 18 | 2 35 | 0 43 | 23 59 | 0 25 | 23 8 | 0 19 | 14 27 | 2 20 | 9 31 | 0 29 | 5 21 | 1 48 | 25 40 | 12 4 | 22 44 | 22 35 | 21 23 | 14 44 | 2 0 |
| W11 | 14 0 | 22 25 | 1 8 | 5 11 | 0 26 | 2 4 | 0 40 | 24 0 | 0 26 | 23 9 | 0 19 | 14 27 | 2 20 | 9 32 | 0 29 | 5 21 | 1 48 | 25 40 | 12 4 | 22 44 | 22 35 | 21 22 | 14 45 | 2 0 |
| T 12 | 13 41 | 21 5 | 2 8 | 4 31 | 0 34 | 1 33 | 0 37 | 24 1 | 0 27 | 23 9 | 0 19 | 14 27 | 2 20 | 9 33 | 0 29 | 5 22 | 1 48 | 25 39 | 12 5 | 22 44 | 22 34 | 21 21 | 14 46 | 2 0 |
| F 13 | 13 21 | 18 49 | 3 2 | 3 50 | 0 43 | 1 1 | 0 34 | 24 1 | 0 27 | 23 10 | 0 19 | 14 28 | 2 20 | 9 34 | 0 29 | 5 22 | 1 48 | 25 39 | 12 5 | 22 43 | 22 34 | 21 20 | 14 47 | 2 0 |
| S 14 | 13 2 | 15 44 | 3 48 | 3 11 | 0 52 | 0 30 | 0 32 | 24 2 | 0 28 | 23 10 | 0 19 | 14 28 | 2 21 | 9 35 | 0 29 | 5 23 | 1 48 | 25 38 | 12 5 | 22 43 | 22 33 | 21 19 | 14 48 | 2 0 |
| S 15 | 12 42 | 11 57 | 4 25 | 2 31 | 1 0 | 0s 1 | 0 29 | 24 2 | 0 29 | 23 10 | 0 19 | 14 28 | 2 21 | 9 35 | 0 29 | 5 24 | 1 48 | 25 37 | 12 5 | 22 41 | 22 33 | 21 18 | 14 49 | 2 0 |
| M16 | 12 22 | 7 38 | 4 49 | 1 52 | 1 9 | 0 33 | 0 26 | 24 2 | 0 30 | 23 11 | 0 19 | 14 28 | 2 21 | 9 36 | 0 29 | 5 24 | 1 48 | 25 37 | 12 5 | 22 40 | 22 33 | 21 16 | 14 50 | 2 0 |
| T 17 | 12 1 | 2 56 | 5 1 | 1 14 | 1 18 | 1 4 | 0 23 | 24 2 | 0 31 | 23 11 | 0 19 | 14 28 | 2 21 | 9 37 | 0 29 | 5 25 | 1 48 | 25 36 | 12 5 | 22 38 | 22 32 | 21 15 | 14 51 | 2 0 |
| W18 | 11 41 | 1s58 | 4 57 | 0 36 | 1 26 | 1 36 | 0 20 | 24 2 | 0 32 | 23 12 | 0 19 | 14 28 | 2 22 | 9 38 | 0 29 | 5 26 | 1 47 | 25 36 | 12 5 | 22 37 | 22 32 | 21 14 | 14 52 | 2 0 |
| T 19 | 11 20 | 6 51 | 4 38 | 0s 1 | 1 35 | 2 7 | 0 16 | 24 2 | 0 33 | 23 12 | 0 19 | 14 28 | 2 22 | 9 39 | 0 29 | 5 26 | 1 47 | 25 35 | 12 5 | 22 36 | 22 32 | 21 13 | 14 53 | 2 1 |
| F 20 | 11 0 | 11 29 | 4 5 | 0 37 | 1 44 | 2 39 | 0 13 | 24 1 | 0 34 | 23 12 | 0 19 | 14 28 | 2 22 | 9 40 | 0 29 | 5 27 | 1 47 | 25 34 | 12 5 | 22 35 | 22 31 | 21 12 | 14 54 | 2 1 |
| S 21 | 10 39 | 15 39 | 3 18 | 1 13 | 1 52 | 3 10 | 0 10 | 24 0 | 0 35 | 23 13 | 0 19 | 14 28 | 2 22 | 9 41 | 0 29 | 5 28 | 1 47 | 25 34 | 12 5 | 22 34 | 22 31 | 21 10 | 14 55 | 2 1 |
| S 22 | 10 17 | 19 4 | 2 18 | 1 47 | 2 1 | 3 42 | 0 7 | 23 59 | 0 35 | 23 13 | 0 19 | 14 27 | 2 22 | 9 42 | 0 29 | 5 28 | 1 47 | 25 33 | 12 6 | 22 34 | 22 30 | 21 9 | 14 56 | 2 1 |
| M23 | 9 56 | 21 27 | 1 10 | 2 21 | 2 10 | 4 13 | 0 4 | 23 58 | 0 36 | 23 13 | 0 19 | 14 27 | 2 23 | 9 43 | 0 29 | 5 29 | 1 47 | 25 33 | 12 6 | 22 34 | 22 30 | 21 8 | 14 57 | 2 1 |
| T 24 | 9 35 | 22 35 | 0n 3 | 2 54 | 2 18 | 4 44 | 0 0 | 23 57 | 0 37 | 23 13 | 0 18 | 14 27 | 2 23 | 9 44 | 0 29 | 5 30 | 1 47 | 25 32 | 12 6 | 22 34 | 22 30 | 21 7 | 14 58 | 2 1 |
| W25 | 9 13 | 22 16 | 1 17 | 3 26 | 2 26 | 5 15 | 0s 3 | 23 56 | 0 38 | 23 14 | 0 18 | 14 27 | 2 23 | 9 45 | 0 29 | 5 30 | 1 47 | 25 32 | 12 6 | 22 34 | 22 29 | 21 6 | 14 59 | 2 1 |
| T 26 | 8 51 | 20 30 | 2 28 | 3 56 | 2 34 | 5 46 | 0 7 | 23 54 | 0 39 | 23 14 | 0 18 | 14 27 | 2 23 | 9 46 | 0 29 | 5 31 | 1 47 | 25 31 | 12 6 | 22 33 | 22 29 | 21 4 | 15 0 | 2 1 |
| F 27 | 8 29 | 17 23 | 3 29 | 4 25 | 2 42 | 6 17 | 0 10 | 23 52 | 0 40 | 23 14 | 0 18 | 14 26 | 2 23 | 9 47 | 0 29 | 5 32 | 1 47 | 25 31 | 12 6 | 22 33 | 22 28 | 21 3 | 15 2 | 2 1 |
| S 28 | 8 7 | 13 11 | 4 17 | 4 53 | 2 50 | 6 48 | 0 13 | 23 50 | 0 41 | 23 14 | 0 18 | 14 26 | 2 24 | 9 48 | 0 29 | 5 33 | 1 47 | 25 30 | 12 7 | 22 32 | 22 28 | 21 2 | 15 3 | 2 1 |
| S 29 | 7 45 | 8 12 | 4 48 | 5 19 | 2 57 | 7 19 | 0 17 | 23 48 | 0 42 | 23 15 | 0 18 | 14 26 | 2 24 | 9 49 | 0 29 | 5 33 | 1 47 | 25 30 | 12 7 | 22 31 | 22 28 | 21 1 | 15 4 | 2 1 |
| M30 | 7 23 | 2 50 | 5 0 | 5 44 | 3 5 | 7 49 | 0 20 | 23 46 | 0 43 | 23 15 | 0 18 | 14 25 | 2 24 | 9 50 | 0 29 | 5 34 | 1 47 | 25 29 | 12 7 | 22 29 | 22 27 | 21 0 | 15 5 | 2 1 |
| T 31 | 7n 0 | 2n35 | 4n54 | 6s 7 | 3s11 | 8s20 | 0s24 | 23n44 | 0n44 | 23n15 | 0s18 | 14n25 | 2s24 | 9s51 | 0n29 | 5s35 | 1n47 | 25n29 | 12n 7 | 22s28 | 22s27 | 20n58 | 15s 6 | 2n 1 |

Julian Day Number = 2075197.5, Delta T = 27m01s
Ecliptic obliquity = 23°34'19, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'46, Lahiri = 9°29'47 Julian Calendar 1 Aug. 969 == Greg. Calendar 6 Aug. 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## SEPTEMBER 969 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 0 36 | 13♍13'37 | 9♈ 5 | 8♎36 | 21♎26 | 12♋49 | 27♊46 | 15°R59 | 26♎36 | 18♎22 | 22♌35 | 12°R37 | 12♐39 | 9♋12 | 17♏12 | W 1 |
| T 2 | 23 4 33 | 14°12'22 | 22°31 | 9°10 | 22°37 | 13°25 | 27°54 | 15♉58 | 26°39 | 18°24 | 22°37 | 12♐28 | 12°35 | 9°19 | 17°17 | T 2 |
| F 3 | 23 8 29 | 15°11'08 | 5♉31 | 9°38 | 23°49 | 14° 1 | 28° 1 | 15°57 | 26°42 | 18°26 | 22°39 | 12°22 | 12°32 | 9°26 | 17°21 | F 3 |
| S 4 | 23 12 26 | 16° 9'57 | 18° 9 | 10° 2 | 25° 0 | 14°37 | 28° 8 | 15°56 | 26°45 | 18°28 | 22°41 | 12°18 | 12°29 | 9°32 | 17°26 | S 4 |
| S 5 | 23 16 22 | 17° 8'48 | 0♊27 | 10°20 | 26°11 | 15°12 | 28°15 | 15°55 | 26°48 | 18°30 | 22°43 | 12°16 | 12°26 | 9°39 | 17°31 | S 5 |
| M 6 | 23 20 19 | 18° 7'42 | 12°29 | 10°32 | 27°22 | 15°48 | 28°22 | 15°53 | 26°51 | 18°32 | 22°45 | 12°16 | 12°23 | 9°45 | 17°36 | M 6 |
| T 7 | 23 24 16 | 19° 6'37 | 24°22 | 10°R38 | 28°32 | 16°23 | 28°28 | 15°52 | 26°54 | 18°34 | 22°47 | 12°16 | 12°19 | 9°52 | 17°41 | T 7 |
| W 8 | 23 28 12 | 20° 5'36 | 6♋11 | 10°38 | 29°43 | 16°59 | 28°35 | 15°50 | 26°58 | 18°36 | 22°48 | 12°15 | 12°16 | 9°59 | 17°47 | W 8 |
| T 9 | 23 32 9 | 21° 4'36 | 18° 0 | 10°30 | 0♏54 | 17°34 | 28°41 | 15°48 | 27° 1 | 18°38 | 22°50 | 12°12 | 12°13 | 10° 5 | 17°52 | T 9 |
| F 10 | 23 36 5 | 22° 3'39 | 29°56 | 10°16 | 2° 5 | 18° 9 | 28°47 | 15°47 | 27° 4 | 18°40 | 22°52 | 12° 7 | 12°10 | 10°12 | 17°57 | F 10 |
| S 11 | 23 40 2 | 23° 2'44 | 12♌ 1 | 9°53 | 3°15 | 18°44 | 28°53 | 15°45 | 27° 7 | 18°42 | 22°54 | 11°59 | 12° 7 | 10°19 | 18° 2 | S 11 |
| S 12 | 23 43 58 | 24° 1'51 | 24°20 | 9°23 | 4°26 | 19°19 | 28°59 | 15°43 | 27°11 | 18°44 | 22°56 | 11°49 | 12° 4 | 10°25 | 18° 8 | S 12 |
| M13 | 23 47 55 | 25° 1'01 | 6♍54 | 8°45 | 5°37 | 19°53 | 29° 5 | 15°41 | 27°14 | 18°46 | 22°58 | 11°36 | 12° 0 | 10°32 | 18°13 | M13 |
| T 14 | 23 51 51 | 26° 0'12 | 19°44 | 7°59 | 6°47 | 20°28 | 29°10 | 15°38 | 27°17 | 18°48 | 22°59 | 11°24 | 11°57 | 10°39 | 18°19 | T 14 |
| W15 | 23 55 48 | 26°59'26 | 2♎49 | 7° 7 | 7°58 | 21° 3 | 29°16 | 15°36 | 27°20 | 18°51 | 23° 1 | 11°11 | 11°54 | 10°45 | 18°25 | W15 |
| T 16 | 23 59 45 | 27°58'42 | 16° 8 | 6° 8 | 9° 8 | 21°37 | 29°21 | 15°34 | 27°24 | 18°53 | 23° 3 | 11° 0 | 11°51 | 10°52 | 18°30 | T 16 |
| F 17 | 0 3 41 | 28°58'00 | 29°39 | 5° 4 | 10°18 | 22°11 | 29°26 | 15°31 | 27°27 | 18°55 | 23° 5 | 10°52 | 11°48 | 10°59 | 18°36 | F 17 |
| S 18 | 0 7 38 | 29°57'19 | 13♏20 | 3°55 | 11°28 | 22°45 | 29°31 | 15°29 | 27°31 | 18°57 | 23° 6 | 10°46 | 11°44 | 11° 5 | 18°42 | S 18 |
| S 19 | 0 11 34 | 0♎56'41 | 27° 8 | 2°44 | 12°39 | 23°19 | 29°36 | 15°26 | 27°34 | 18°59 | 23° 8 | 10°43 | 11°41 | 11°12 | 18°48 | S 19 |
| M20 | 0 15 31 | 1°56'05 | 11♐ 3 | 1°33 | 13°49 | 23°53 | 29°40 | 15°23 | 27°38 | 19° 1 | 23°10 | 10°D43 | 11°38 | 11°19 | 18°54 | M20 |
| T 21 | 0 19 27 | 2°55'30 | 25° 3 | 0°22 | 14°59 | 24°27 | 29°44 | 15°20 | 27°41 | 19° 3 | 23°11 | 10°43 | 11°35 | 11°25 | 19° 0 | T 21 |
| W22 | 0 23 24 | 3°54'57 | 9♑ 9 | 29♏16 | 16° 9 | 25° 1 | 29°48 | 15°17 | 27°45 | 19° 6 | 23°13 | 10°R43 | 11°32 | 11°32 | 19° 6 | W22 |
| T 23 | 0 27 20 | 4°54'26 | 23°19 | 28°14 | 17°18 | 25°34 | 29°52 | 15°14 | 27°48 | 19° 8 | 23°15 | 10°42 | 11°29 | 11°39 | 19°12 | T 23 |
| F 24 | 0 31 17 | 5°53'57 | 7♒32 | 27°20 | 18°28 | 26° 8 | 29°56 | 15°11 | 27°52 | 19°10 | 23°16 | 10°38 | 11°25 | 11°45 | 19°18 | F 24 |
| S 25 | 0 35 14 | 6°53'30 | 21°45 | 26°34 | 19°38 | 26°41 | 29°59 | 15° 8 | 27°55 | 19°12 | 23°18 | 10°32 | 11°22 | 11°52 | 19°24 | S 25 |
| S 26 | 0 39 10 | 7°53'04 | 5♓54 | 25°58 | 20°47 | 27°14 | 0♋ 3 | 15° 4 | 27°59 | 19°14 | 23°19 | 10°23 | 11°19 | 11°59 | 19°30 | S 26 |
| M27 | 0 43 7 | 8°52'40 | 19°56 | 25°32 | 21°57 | 27°47 | 0° 6 | 15° 1 | 28° 2 | 19°17 | 23°21 | 10°13 | 11°16 | 12° 5 | 19°37 | M27 |
| T 28 | 0 47 3 | 9°52'18 | 3♈45 | 25°18 | 23° 6 | 28°20 | 0°10 | 14°58 | 28° 6 | 19°19 | 23°22 | 10° 3 | 11°13 | 12°12 | 19°43 | T 28 |
| W29 | 0 51 0 | 10°51'58 | 17°18 | 25°D15 | 24°15 | 28°53 | 0°12 | 14°54 | 28° 9 | 19°21 | 23°24 | 9°53 | 11°10 | 12°19 | 19°49 | W29 |
| T 30 | 0 54 56 | 11♎51'40 | 0♉32 | 25♍23 | 25♏25 | 29♋25 | 0♋15 | 14♉50 | 28♎13 | 19♎23 | 23♌25 | 9♐46 | 11♐ 6 | 12♋25 | 19♏56 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 6n38 | 7n44 | 4n30 | 6s27 | 3s18 | 8s50 | 0s28 | 23n41 | 0n45 | 23n15 | 0s18 | 14n24 | 2s24 | 9s52 | 0n29 | 5s36 | 1n47 | 25n28 | 12n 7 | 22s26 | 22s26 | 20n57 | 15s 8 | 2n 1 | W 1 |
| T 2 | 6 15 | 12 22 | 3 51 | 6 46 | 3 24 | 9 20 | 0 31 | 23 39 | 0 46 | 23 15 | 0 18 | 14 24 | 2 25 | 9 53 | 0 29 | 5 36 | 1 47 | 25 28 | 12 7 | 22 25 | 22 26 | 20 56 | 15 9 | 2 1 | T 2 |
| F 3 | 5 52 | 16 17 | 3 1 | 7 2 | 3 29 | 9 50 | 0 35 | 23 36 | 0 46 | 23 16 | 0 18 | 14 24 | 2 25 | 9 55 | 0 29 | 5 37 | 1 47 | 25 27 | 12 8 | 22 24 | 22 25 | 20 55 | 15 10 | 2 1 | F 3 |
| S 4 | 5 29 | 19 19 | 2 4 | 7 16 | 3 34 | 10 19 | 0 38 | 23 33 | 0 47 | 23 16 | 0 18 | 14 23 | 2 25 | 9 56 | 0 29 | 5 38 | 1 47 | 25 27 | 12 8 | 22 24 | 22 25 | 20 53 | 15 12 | 2 1 | S 4 |
| S 5 | 5 6 | 21 22 | 1 2 | 7 27 | 3 38 | 10 49 | 0 42 | 23 30 | 0 48 | 23 16 | 0 18 | 14 22 | 2 25 | 9 57 | 0 28 | 5 39 | 1 47 | 25 26 | 12 8 | 22 23 | 22 25 | 20 52 | 15 13 | 2 1 | S 5 |
| M 6 | 4 43 | 22 24 | 0s 1 | 7 35 | 3 41 | 11 18 | 0 46 | 23 27 | 0 49 | 23 16 | 0 18 | 14 22 | 2 25 | 9 58 | 0 28 | 5 39 | 1 47 | 25 26 | 12 8 | 22 23 | 22 24 | 20 51 | 15 14 | 2 1 | M 6 |
| T 7 | 4 20 | 22 23 | 1 4 | 7 39 | 3 43 | 11 47 | 0 49 | 23 24 | 0 50 | 23 16 | 0 18 | 14 21 | 2 26 | 9 59 | 0 28 | 5 40 | 1 47 | 25 25 | 12 9 | 22 23 | 22 24 | 20 49 | 15 16 | 2 1 | T 7 |
| W 8 | 3 57 | 21 23 | 2 3 | 7 40 | 3 44 | 12 16 | 0 53 | 23 20 | 0 51 | 23 16 | 0 18 | 14 21 | 2 26 | 10 0 | 0 28 | 5 41 | 1 47 | 25 25 | 12 9 | 22 23 | 22 23 | 20 48 | 15 17 | 2 1 | W 8 |
| T 9 | 3 33 | 19 25 | 2 57 | 7 37 | 3 44 | 12 44 | 0 57 | 23 17 | 0 52 | 23 16 | 0 17 | 14 20 | 2 26 | 10 1 | 0 28 | 5 42 | 1 47 | 25 24 | 12 9 | 22 23 | 22 23 | 20 47 | 15 19 | 2 1 | T 9 |
| F 10 | 3 10 | 16 38 | 3 44 | 7 30 | 3 43 | 13 12 | 1 0 | 23 13 | 0 53 | 23 17 | 0 17 | 14 19 | 2 26 | 10 3 | 0 28 | 5 43 | 1 47 | 25 24 | 12 9 | 22 22 | 22 23 | 20 46 | 15 20 | 2 1 | F 10 |
| S 11 | 2 47 | 13 6 | 4 21 | 7 19 | 3 40 | 13 40 | 1 4 | 23 9 | 0 54 | 23 17 | 0 17 | 14 19 | 2 26 | 10 4 | 0 28 | 5 43 | 1 47 | 25 24 | 12 9 | 22 21 | 22 22 | 20 44 | 15 21 | 2 1 | S 11 |
| S 12 | 2 23 | 8 58 | 4 47 | 7 3 | 3 36 | 14 8 | 1 8 | 23 5 | 0 55 | 23 17 | 0 17 | 14 18 | 2 27 | 10 5 | 0 28 | 5 44 | 1 47 | 25 23 | 12 10 | 22 20 | 22 22 | 20 43 | 15 23 | 2 1 | S 12 |
| M13 | 1 59 | 4 23 | 5 0 | 6 42 | 3 30 | 14 35 | 1 11 | 23 1 | 0 56 | 23 17 | 0 17 | 14 17 | 2 27 | 10 6 | 0 28 | 5 45 | 1 47 | 25 23 | 12 10 | 22 18 | 22 21 | 20 42 | 15 24 | 2 1 | M13 |
| T 14 | 1 36 | 0s29 | 4 58 | 6 17 | 3 22 | 15 2 | 1 15 | 22 57 | 0 57 | 23 17 | 0 17 | 14 16 | 2 27 | 10 7 | 0 28 | 5 46 | 1 47 | 25 23 | 12 10 | 22 16 | 22 21 | 20 40 | 15 26 | 2 1 | T 14 |
| W15 | 1 12 | 5 24 | 4 40 | 5 47 | 3 13 | 15 29 | 1 19 | 22 52 | 0 58 | 23 17 | 0 17 | 14 15 | 2 27 | 10 9 | 0 28 | 5 47 | 1 47 | 25 22 | 12 10 | 22 15 | 22 20 | 20 39 | 15 27 | 2 2 | W15 |
| T 16 | 0 48 | 10 11 | 4 7 | 5 13 | 3 1 | 15 55 | 1 22 | 22 48 | 0 59 | 23 17 | 0 17 | 14 15 | 2 27 | 10 10 | 0 28 | 5 48 | 1 47 | 25 22 | 12 11 | 22 13 | 22 20 | 20 38 | 15 29 | 2 2 | T 16 |
| F 17 | 0 25 | 14 31 | 3 20 | 4 35 | 2 48 | 16 21 | 1 26 | 22 44 | 1 0 | 23 17 | 0 17 | 14 14 | 2 27 | 10 11 | 0 28 | 5 48 | 1 47 | 25 21 | 12 11 | 22 12 | 22 20 | 20 37 | 15 30 | 2 2 | F 17 |
| S 18 | 0 1 | 18 9 | 2 20 | 3 54 | 2 32 | 16 46 | 1 29 | 22 39 | 1 1 | 23 17 | 0 17 | 14 13 | 2 28 | 10 12 | 0 28 | 5 49 | 1 47 | 25 21 | 12 11 | 22 11 | 22 19 | 20 35 | 15 32 | 2 2 | S 18 |
| S 19 | 0s23 | 20 47 | 1 12 | 3 10 | 2 15 | 17 12 | 1 33 | 22 34 | 1 2 | 23 18 | 0 17 | 14 12 | 2 28 | 10 14 | 0 28 | 5 50 | 1 47 | 25 21 | 12 12 | 22 11 | 22 19 | 20 34 | 15 33 | 2 2 | S 19 |
| M20 | 0 46 | 22 12 | 0n 2 | 2 24 | 1 57 | 17 36 | 1 37 | 22 29 | 1 3 | 23 18 | 0 17 | 14 11 | 2 28 | 10 15 | 0 28 | 5 51 | 1 47 | 25 21 | 12 12 | 22 11 | 22 18 | 20 33 | 15 35 | 2 2 | M20 |
| T 21 | 1 10 | 22 13 | 1 16 | 1 38 | 1 37 | 18 1 | 1 40 | 22 24 | 1 4 | 23 18 | 0 17 | 14 10 | 2 28 | 10 16 | 0 28 | 5 52 | 1 47 | 25 20 | 12 12 | 22 11 | 22 18 | 20 31 | 15 37 | 2 2 | T 21 |
| W22 | 1 34 | 20 50 | 2 25 | 0 53 | 1 17 | 18 25 | 1 44 | 22 19 | 1 6 | 23 18 | 0 17 | 14 9 | 2 28 | 10 17 | 0 28 | 5 53 | 1 47 | 25 20 | 12 12 | 22 11 | 22 17 | 20 30 | 15 38 | 2 2 | W22 |
| T 23 | 1 58 | 18 9 | 3 26 | 0 10 | 0 57 | 18 48 | 1 47 | 22 14 | 1 7 | 23 18 | 0 16 | 14 8 | 2 28 | 10 19 | 0 28 | 5 53 | 1 47 | 25 20 | 12 13 | 22 10 | 22 17 | 20 29 | 15 40 | 2 2 | T 23 |
| F 24 | 2 21 | 14 23 | 4 15 | 0n31 | 0 36 | 19 11 | 1 51 | 22 9 | 1 8 | 23 18 | 0 16 | 14 7 | 2 28 | 10 20 | 0 28 | 5 54 | 1 46 | 25 19 | 12 13 | 22 10 | 22 17 | 20 27 | 15 41 | 2 2 | F 24 |
| S 25 | 2 45 | 9 47 | 4 48 | 1 8 | 0 16 | 19 34 | 1 54 | 22 4 | 1 9 | 23 18 | 0 16 | 14 6 | 2 29 | 10 21 | 0 28 | 5 55 | 1 46 | 25 19 | 12 13 | 22 9 | 22 16 | 20 26 | 15 43 | 2 2 | S 25 |
| S 26 | 3 9 | 4 42 | 5 3 | 1 40 | 0n 3 | 19 56 | 1 57 | 21 58 | 1 10 | 23 18 | 0 16 | 14 5 | 2 29 | 10 23 | 0 28 | 5 56 | 1 46 | 25 19 | 12 14 | 22 8 | 22 16 | 20 25 | 15 45 | 2 2 | S 26 |
| M27 | 3 32 | 0n35 | 4 59 | 2 7 | 0 22 | 20 18 | 2 1 | 21 53 | 1 11 | 23 18 | 0 16 | 14 4 | 2 29 | 10 24 | 0 28 | 5 57 | 1 46 | 25 19 | 12 14 | 22 6 | 22 15 | 20 23 | 15 46 | 2 2 | M27 |
| T 28 | 3 56 | 5 45 | 4 39 | 2 28 | 0 39 | 20 39 | 2 4 | 21 47 | 1 12 | 23 18 | 0 16 | 14 2 | 2 29 | 10 25 | 0 28 | 5 58 | 1 46 | 25 18 | 12 14 | 22 5 | 22 15 | 20 22 | 15 48 | 2 2 | T 28 |
| W29 | 4 19 | 10 33 | 4 2 | 2 43 | 0 54 | 21 0 | 2 7 | 21 41 | 1 13 | 23 18 | 0 16 | 14 1 | 2 29 | 10 26 | 0 28 | 5 58 | 1 46 | 25 18 | 12 15 | 22 3 | 22 14 | 20 21 | 15 49 | 2 3 | W29 |
| T 30 | 4s43 | 14n44 | 3n13 | 2n53 | 1n 8 | 21s20 | 2s10 | 21n36 | 1n14 | 23n18 | 0s16 | 14n 0 | 2s29 | 10s28 | 0n28 | 5s59 | 1n46 | 25n18 | 12n15 | 22s 2 | 22s14 | 20n19 | 15s51 | 2n 3 | T 30 |

Julian Day Number = 2075228.5, Delta T = 27m00s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'51, Lahiri = 9°29'51 Julian Calendar 1 Sept. 969 == Greg. Calendar 6 Sept. 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## OCTOBER 969 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 58 53 | 12♎51'25 | 13♉25 | 25♍41 | 26♏34 | 29♋57 | 0♋18 | 14°R47 | 28♎17 | 19♎26 | 23♌27 | 9°R40 | 11♐ 3 | 12♋32 | 20♏ 2 | F 1 |
| S 2 | 1 2 49 | 13°51'11 | 25°59 | 26°10 | 27°43 | 0♌30 | 0°20 | 14♉43 | 28°20 | 19°28 | 23°28 | 9♐37 | 11° 0 | 12°39 | 20° 9 | S 2 |
| S 3 | 1 6 46 | 14°51'00 | 8♊15 | 26°48 | 28°52 | 1° 2 | 0°22 | 14°39 | 28°24 | 19°30 | 23°30 | 9°D36 | 10°57 | 12°45 | 20°15 | S 3 |
| M 4 | 1 10 42 | 15°50'51 | 20°18 | 27°35 | 0♐ 0 | 1°34 | 0°24 | 14°35 | 28°28 | 19°32 | 23°31 | 9°36 | 10°54 | 12°52 | 20°22 | M 4 |
| T 5 | 1 14 39 | 16°50'45 | 2♋12 | 28°29 | 1° 9 | 2° 6 | 0°26 | 14°31 | 28°31 | 19°34 | 23°33 | 9°37 | 10°50 | 12°59 | 20°29 | T 5 |
| W 6 | 1 18 36 | 17°50'40 | 14° 1 | 29°30 | 2°17 | 2°37 | 0°27 | 14°27 | 28°35 | 19°37 | 23°34 | 9°R38 | 10°47 | 13° 5 | 20°35 | W 6 |
| T 7 | 1 22 32 | 18°50'38 | 25°51 | 0♎37 | 3°26 | 3° 9 | 0°29 | 14°23 | 28°39 | 19°39 | 23°35 | 9°38 | 10°44 | 13°12 | 20°42 | T 7 |
| F 8 | 1 26 29 | 19°50'38 | 7♌48 | 1°49 | 4°34 | 3°40 | 0°30 | 14°19 | 28°42 | 19°41 | 23°37 | 9°36 | 10°41 | 13°19 | 20°49 | F 8 |
| S 9 | 1 30 25 | 20°50'40 | 19°56 | 3° 6 | 5°42 | 4°11 | 0°31 | 14°14 | 28°46 | 19°43 | 23°38 | 9°32 | 10°38 | 13°25 | 20°56 | S 9 |
| S 10 | 1 34 22 | 21°50'44 | 2♍19 | 4°27 | 6°50 | 4°42 | 0°31 | 14°10 | 28°50 | 19°46 | 23°39 | 9°26 | 10°35 | 13°32 | 21° 3 | S 10 |
| M11 | 1 38 18 | 22°50'51 | 15° 0 | 5°50 | 7°58 | 5°13 | 0°32 | 14° 6 | 28°54 | 19°48 | 23°40 | 9°19 | 10°31 | 13°39 | 21°10 | M11 |
| T 12 | 1 42 15 | 23°50'59 | 28° 2 | 7°17 | 9° 6 | 5°44 | 0°32 | 14° 1 | 28°57 | 19°50 | 23°41 | 9°10 | 10°28 | 13°45 | 21°16 | T 12 |
| W13 | 1 46 11 | 24°51'10 | 11♎24 | 8°46 | 10°14 | 6°14 | 0°R32 | 13°57 | 29° 1 | 19°52 | 23°43 | 9° 2 | 10°25 | 13°52 | 21°23 | W13 |
| T 14 | 1 50 8 | 25°51'22 | 25° 5 | 10°17 | 11°21 | 6°45 | 0°32 | 13°52 | 29° 5 | 19°55 | 23°44 | 8°55 | 10°22 | 13°59 | 21°30 | T 14 |
| F 15 | 1 54 5 | 26°51'36 | 9♏ 0 | 11°49 | 12°28 | 7°15 | 0°32 | 13°48 | 29° 9 | 19°57 | 23°45 | 8°50 | 10°19 | 14° 5 | 21°37 | F 15 |
| S 16 | 1 58 1 | 27°51'52 | 23° 8 | 13°22 | 13°36 | 7°45 | 0°32 | 13°43 | 29°12 | 19°59 | 23°46 | 8°47 | 10°15 | 14°12 | 21°45 | S 16 |
| S 17 | 2 1 58 | 28°52'10 | 7♐22 | 14°57 | 14°43 | 8°14 | 0°31 | 13°39 | 29°16 | 20° 1 | 23°47 | 8°D46 | 10°12 | 14°19 | 21°52 | S 17 |
| M18 | 2 5 54 | 29°52'30 | 21°39 | 16°32 | 15°50 | 8°44 | 0°30 | 13°34 | 29°20 | 20° 4 | 23°48 | 8°47 | 10° 9 | 14°25 | 21°59 | M18 |
| T 19 | 2 9 51 | 0♏52'51 | 5♑56 | 18° 8 | 16°56 | 9°13 | 0°29 | 13°29 | 29°24 | 20° 6 | 23°49 | 8°48 | 10° 6 | 14°32 | 22° 6 | T 19 |
| W20 | 2 13 47 | 1°53'13 | 20°10 | 19°44 | 18° 3 | 9°42 | 0°28 | 13°24 | 29°27 | 20° 8 | 23°50 | 8°49 | 10° 3 | 14°39 | 22°13 | W20 |
| T 21 | 2 17 44 | 2°53'37 | 4♒18 | 21°20 | 19° 9 | 10°11 | 0°26 | 13°20 | 29°31 | 20°10 | 23°51 | 8°R50 | 10° 0 | 14°45 | 22°20 | T 21 |
| F 22 | 2 21 40 | 3°54'02 | 18°20 | 22°57 | 20°15 | 10°40 | 0°25 | 13°15 | 29°35 | 20°12 | 23°52 | 8°49 | 9°56 | 14°52 | 22°27 | F 22 |
| S 23 | 2 25 37 | 4°54'29 | 2♓14 | 24°33 | 21°21 | 11° 8 | 0°23 | 13°10 | 29°39 | 20°15 | 23°53 | 8°46 | 9°53 | 14°59 | 22°35 | S 23 |
| S 24 | 2 29 34 | 5°54'57 | 15°59 | 26°10 | 22°27 | 11°36 | 0°21 | 13° 5 | 29°42 | 20°17 | 23°54 | 8°42 | 9°50 | 15° 5 | 22°42 | S 24 |
| M25 | 2 33 30 | 6°55'26 | 29°33 | 27°47 | 23°32 | 12° 4 | 0°18 | 13° 0 | 29°46 | 20°19 | 23°55 | 8°37 | 9°47 | 15°12 | 22°49 | M25 |
| T 26 | 2 37 27 | 7°55'57 | 12♈55 | 29°23 | 24°37 | 12°32 | 0°16 | 12°55 | 29°50 | 20°21 | 23°55 | 8°32 | 9°44 | 15°19 | 22°56 | T 26 |
| W27 | 2 41 23 | 8°56'29 | 26° 4 | 1♏ 0 | 25°42 | 13° 0 | 0°13 | 12°51 | 29°53 | 20°23 | 23°56 | 8°27 | 9°41 | 15°25 | 23° 4 | W27 |
| T 28 | 2 45 20 | 9°57'03 | 8♉57 | 2°36 | 26°47 | 13°27 | 0°10 | 12°46 | 29°57 | 20°25 | 23°57 | 8°23 | 9°37 | 15°32 | 23°11 | T 28 |
| F 29 | 2 49 16 | 10°57'38 | 21°36 | 4°12 | 27°52 | 13°54 | 0° 7 | 12°41 | 0♏ 1 | 20°28 | 23°58 | 8°21 | 9°34 | 15°39 | 23°18 | F 29 |
| S 30 | 2 53 13 | 11°58'15 | 4♊ 0 | 5°48 | 28°56 | 14°21 | 0° 4 | 12°36 | 0° 5 | 20°30 | 23°58 | 8°D19 | 9°31 | 15°45 | 23°26 | S 30 |
| S 31 | 2 57 9 | 12♏58'53 | 16♊11 | 7♏24 | 29♐59 | 14♌48 | 0♋ 1 | 12♉31 | 0♏ 8 | 20♎32 | 23♌59 | 8♐20 | 9♐28 | 15♋52 | 23♏33 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 5s 6 | 18n 6 | 2n16 | 2n57 | 1n21 | 21s39 | 2s14 | 21n30 | 1n15 | 23n18 | 0s16 | 13n59 | 2s29 | 10s29 | 0n28 | 6s 0 | 1n46 | 25n18 | 12n15 | 22s 1 | 22s13 | 20n18 | 15s53 | 2n 3 | F 1 |
| S 2 | 5 30 | 20 32 | 1 12 | 2 56 | 1 31 | 21 59 | 2 17 | 21 24 | 1 16 | 23 18 | 0 16 | 13 58 | 2 29 | 10 30 | 0 28 | 6 1 | 1 46 | 25 18 | 12 16 | 22 1 | 22 13 | 20 16 | 15 54 | 2 3 | S 2 |
| S 3 | 5 53 | 21 55 | 0 7 | 2 49 | 1 41 | 22 17 | 2 20 | 21 18 | 1 18 | 23 19 | 0 16 | 13 56 | 2 29 | 10 32 | 0 28 | 6 2 | 1 46 | 25 17 | 12 16 | 22 1 | 22 13 | 20 15 | 15 56 | 2 3 | S 3 |
| M 4 | 6 16 | 22 16 | 0s57 | 2 37 | 1 48 | 22 35 | 2 23 | 21 12 | 1 19 | 23 19 | 0 16 | 13 55 | 2 30 | 10 33 | 0 28 | 6 3 | 1 46 | 25 17 | 12 16 | 22 1 | 22 12 | 20 14 | 15 58 | 2 3 | M 4 |
| T 5 | 6 39 | 21 35 | 1 59 | 2 21 | 1 55 | 22 53 | 2 26 | 21 6 | 1 20 | 23 19 | 0 16 | 13 54 | 2 30 | 10 34 | 0 28 | 6 4 | 1 46 | 25 17 | 12 17 | 22 1 | 22 12 | 20 12 | 15 59 | 2 3 | T 5 |
| W 6 | 7 2 | 19 56 | 2 55 | 2 2 | 2 0 | 23 10 | 2 28 | 21 0 | 1 21 | 23 19 | 0 16 | 13 53 | 2 30 | 10 36 | 0 28 | 6 4 | 1 46 | 25 17 | 12 17 | 22 1 | 22 11 | 20 11 | 16 1 | 2 3 | W 6 |
| T 7 | 7 25 | 17 26 | 3 43 | 1 38 | 2 3 | 23 26 | 2 31 | 20 54 | 1 22 | 23 19 | 0 15 | 13 51 | 2 30 | 10 37 | 0 28 | 6 5 | 1 46 | 25 17 | 12 18 | 22 1 | 22 11 | 20 10 | 16 3 | 2 3 | T 7 |
| F 8 | 7 48 | 14 12 | 4 22 | 1 12 | 2 6 | 23 42 | 2 34 | 20 47 | 1 23 | 23 19 | 0 15 | 13 50 | 2 30 | 10 38 | 0 28 | 6 6 | 1 46 | 25 17 | 12 18 | 22 1 | 22 10 | 20 8 | 16 4 | 2 3 | F 8 |
| S 9 | 8 11 | 10 19 | 4 50 | 0 42 | 2 7 | 23 57 | 2 37 | 20 41 | 1 25 | 23 19 | 0 15 | 13 49 | 2 30 | 10 40 | 0 28 | 6 7 | 1 46 | 25 17 | 12 18 | 22 0 | 22 10 | 20 7 | 16 6 | 2 3 | S 9 |
| S 10 | 8 33 | 5 57 | 5 6 | 0 10 | 2 7 | 24 11 | 2 39 | 20 35 | 1 26 | 23 19 | 0 15 | 13 47 | 2 30 | 10 41 | 0 28 | 6 8 | 1 46 | 25 17 | 12 19 | 21 59 | 22 9 | 20 5 | 16 8 | 2 4 | S 10 |
| M11 | 8 56 | 1 14 | 5 7 | 0s23 | 2 7 | 24 25 | 2 42 | 20 28 | 1 27 | 23 19 | 0 15 | 13 46 | 2 30 | 10 42 | 0 28 | 6 9 | 1 46 | 25 17 | 12 19 | 21 58 | 22 9 | 20 4 | 16 10 | 2 4 | M11 |
| T 12 | 9 18 | 3s40 | 4 52 | 0 59 | 2 6 | 24 38 | 2 44 | 20 22 | 1 28 | 23 19 | 0 15 | 13 45 | 2 30 | 10 44 | 0 28 | 6 9 | 1 46 | 25 17 | 12 19 | 21 57 | 22 8 | 20 3 | 16 11 | 2 4 | T 12 |
| W13 | 9 41 | 8 32 | 4 21 | 1 36 | 2 4 | 24 51 | 2 46 | 20 16 | 1 29 | 23 19 | 0 15 | 13 43 | 2 30 | 10 45 | 0 28 | 6 10 | 1 46 | 25 16 | 12 20 | 21 56 | 22 8 | 20 1 | 16 13 | 2 4 | W13 |
| T 14 | 10 3 | 13 5 | 3 34 | 2 14 | 2 1 | 25 3 | 2 49 | 20 9 | 1 31 | 23 19 | 0 15 | 13 42 | 2 30 | 10 46 | 0 28 | 6 11 | 1 46 | 25 16 | 12 20 | 21 55 | 22 8 | 20 0 | 16 15 | 2 4 | T 14 |
| F 15 | 10 25 | 17 1 | 2 34 | 2 53 | 1 58 | 25 14 | 2 51 | 20 3 | 1 32 | 23 19 | 0 15 | 13 41 | 2 30 | 10 48 | 0 28 | 6 12 | 1 46 | 25 16 | 12 21 | 21 54 | 22 7 | 19 58 | 16 16 | 2 4 | F 15 |
| S 16 | 10 46 | 20 1 | 1 24 | 3 33 | 1 54 | 25 25 | 2 53 | 19 56 | 1 33 | 23 20 | 0 15 | 13 39 | 2 30 | 10 49 | 0 28 | 6 13 | 1 46 | 25 16 | 12 21 | 21 53 | 22 7 | 19 57 | 16 18 | 2 4 | S 16 |
| S 17 | 11 8 | 21 47 | 0 8 | 4 14 | 1 50 | 25 35 | 2 55 | 19 50 | 1 34 | 23 20 | 0 15 | 13 38 | 2 30 | 10 50 | 0 28 | 6 14 | 1 47 | 25 16 | 12 21 | 21 53 | 22 6 | 19 55 | 16 20 | 2 4 | S 17 |
| M18 | 11 29 | 22 9 | 1n10 | 4 55 | 1 45 | 25 44 | 2 57 | 19 43 | 1 36 | 23 20 | 0 15 | 13 36 | 2 30 | 10 52 | 0 28 | 6 14 | 1 47 | 25 16 | 12 22 | 21 53 | 22 6 | 19 54 | 16 21 | 2 5 | M18 |
| T 19 | 11 51 | 21 4 | 2 23 | 5 36 | 1 40 | 25 53 | 2 58 | 19 36 | 1 37 | 23 20 | 0 14 | 13 35 | 2 30 | 10 53 | 0 28 | 6 15 | 1 47 | 25 16 | 12 22 | 21 53 | 22 5 | 19 53 | 16 23 | 2 5 | T 19 |
| W20 | 12 12 | 18 39 | 3 26 | 6 17 | 1 35 | 26 1 | 3 0 | 19 30 | 1 38 | 23 20 | 0 14 | 13 34 | 2 30 | 10 54 | 0 28 | 6 16 | 1 47 | 25 17 | 12 23 | 21 54 | 22 5 | 19 51 | 16 25 | 2 5 | W20 |
| T 21 | 12 33 | 15 7 | 4 17 | 6 59 | 1 30 | 26 9 | 3 2 | 19 23 | 1 40 | 23 20 | 0 14 | 13 32 | 2 30 | 10 56 | 0 28 | 6 17 | 1 47 | 25 17 | 12 23 | 21 54 | 22 4 | 19 50 | 16 27 | 2 5 | T 21 |
| F 22 | 12 53 | 10 47 | 4 52 | 7 40 | 1 24 | 26 15 | 3 3 | 19 17 | 1 41 | 23 20 | 0 14 | 13 31 | 2 30 | 10 57 | 0 28 | 6 18 | 1 47 | 25 17 | 12 24 | 21 54 | 22 4 | 19 48 | 16 28 | 2 5 | F 22 |
| S 23 | 13 14 | 5 55 | 5 10 | 8 22 | 1 18 | 26 21 | 3 4 | 19 10 | 1 42 | 23 20 | 0 14 | 13 29 | 2 30 | 10 58 | 0 28 | 6 19 | 1 47 | 25 17 | 12 24 | 21 53 | 22 3 | 19 47 | 16 30 | 2 5 | S 23 |
| S 24 | 13 34 | 0 48 | 5 10 | 9 3 | 1 12 | 26 27 | 3 6 | 19 3 | 1 44 | 23 20 | 0 14 | 13 28 | 2 30 | 11 0 | 0 28 | 6 19 | 1 47 | 25 17 | 12 24 | 21 53 | 22 3 | 19 45 | 16 32 | 2 5 | S 24 |
| M25 | 13 54 | 4n17 | 4 52 | 9 43 | 1 5 | 26 31 | 3 7 | 18 57 | 1 45 | 23 20 | 0 14 | 13 26 | 2 30 | 11 1 | 0 28 | 6 20 | 1 47 | 25 17 | 12 25 | 21 52 | 22 2 | 19 44 | 16 33 | 2 5 | M25 |
| T 26 | 14 14 | 9 5 | 4 18 | 10 24 | 0 59 | 26 35 | 3 8 | 18 50 | 1 46 | 23 21 | 0 14 | 13 25 | 2 30 | 11 2 | 0 28 | 6 21 | 1 47 | 25 17 | 12 25 | 21 51 | 22 2 | 19 42 | 16 35 | 2 6 | T 26 |
| W27 | 14 33 | 13 24 | 3 31 | 11 4 | 0 52 | 26 39 | 3 9 | 18 44 | 1 48 | 23 21 | 0 14 | 13 23 | 2 30 | 11 4 | 0 28 | 6 22 | 1 47 | 25 17 | 12 26 | 21 50 | 22 1 | 19 41 | 16 37 | 2 6 | W27 |
| T 28 | 14 53 | 17 0 | 2 34 | 11 43 | 0 46 | 26 41 | 3 9 | 18 37 | 1 49 | 23 21 | 0 14 | 13 22 | 2 30 | 11 5 | 0 28 | 6 23 | 1 47 | 25 17 | 12 26 | 21 50 | 22 1 | 19 39 | 16 38 | 2 6 | T 28 |
| F 29 | 15 12 | 19 43 | 1 31 | 12 23 | 0 39 | 26 43 | 3 10 | 18 30 | 1 50 | 23 21 | 0 13 | 13 21 | 2 30 | 11 6 | 0 28 | 6 23 | 1 47 | 25 17 | 12 26 | 21 49 | 22 1 | 19 38 | 16 40 | 2 6 | F 29 |
| S 30 | 15 31 | 21 27 | 0 24 | 13 1 | 0 32 | 26 44 | 3 10 | 18 24 | 1 52 | 23 21 | 0 13 | 13 19 | 2 30 | 11 8 | 0 28 | 6 24 | 1 47 | 25 18 | 12 27 | 21 49 | 22 0 | 19 37 | 16 42 | 2 6 | S 30 |
| S 31 | 15s49 | 22n 8 | 0s43 | 13s39 | 0n26 | 26s45 | 3s11 | 18n17 | 1n53 | 23n21 | 0s13 | 13n18 | 2s30 | 11s 9 | 0n28 | 6s25 | 1n47 | 25n18 | 12n27 | 21s49 | 22s 0 | 19n35 | 16s43 | 2n 6 | S 31 |

Julian Day Number = 2075258.5, Delta T = 27m00s
Ecliptic obliquity = 23°34'19, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'55, Lahiri = 9°29'55 Julian Calendar 1 Oct. 969 == Greg. Calendar 6 Oct. 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## NOVEMBER 969 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 1 6 | 13♏59'34 | 28♊11 | 8♏59 | 1♉ 4 | 15♌14 | 29°R57 | 12°R26 | 0♏12 | 20♎34 | 24♌ 0 | 8♐21 | 9♐25 | 15♋59 | 23♏40 | M 1 |
| T 2 | 3 5 3 | 15° 0'15 | 10♋ 4 | 10°35 | 2° 7 | 15°40 | 29♊53 | 12♉21 | 0°16 | 20°36 | 24° 0 | 8°23 | 9°21 | 16° 6 | 23°48 | T 2 |
| W 3 | 3 8 59 | 16° 0'59 | 21°53 | 12°10 | 3°10 | 16° 6 | 29°49 | 12°16 | 0°19 | 20°38 | 24° 1 | 8°24 | 9°18 | 16°12 | 23°55 | W 3 |
| T 4 | 3 12 56 | 17° 1'44 | 3♌43 | 13°45 | 4°13 | 16°31 | 29°45 | 12°11 | 0°23 | 20°40 | 24° 2 | 8°26 | 9°15 | 16°19 | 24° 3 | T 4 |
| F 5 | 3 16 52 | 18° 2'30 | 15°39 | 15°20 | 5°16 | 16°57 | 29°41 | 12° 6 | 0°27 | 20°42 | 24° 2 | 8°R26 | 9°12 | 16°26 | 24°10 | F 5 |
| S 6 | 3 20 49 | 19° 3'18 | 27°45 | 16°55 | 6°18 | 17°22 | 29°36 | 12° 2 | 0°30 | 20°44 | 24° 3 | 8°26 | 9° 9 | 16°32 | 24°17 | S 6 |
| S 7 | 3 24 45 | 20° 4'08 | 10♍ 6 | 18°30 | 7°20 | 17°46 | 29°32 | 11°57 | 0°34 | 20°46 | 24° 3 | 8°25 | 9° 6 | 16°39 | 24°25 | S 7 |
| M 8 | 3 28 42 | 21° 4'59 | 22°48 | 20° 4 | 8°21 | 18°11 | 29°27 | 11°52 | 0°37 | 20°48 | 24° 3 | 8°23 | 9° 2 | 16°46 | 24°32 | M 8 |
| T 9 | 3 32 38 | 22° 5'52 | 5♎51 | 21°39 | 9°22 | 18°35 | 29°22 | 11°47 | 0°41 | 20°50 | 24° 4 | 8°21 | 8°59 | 16°52 | 24°40 | T 9 |
| W10 | 3 36 35 | 23° 6'46 | 19°19 | 23°13 | 10°23 | 18°59 | 29°16 | 11°42 | 0°44 | 20°52 | 24° 4 | 8°18 | 8°56 | 16°59 | 24°47 | W10 |
| T 11 | 3 40 32 | 24° 7'41 | 3♏11 | 24°48 | 11°23 | 19°22 | 29°11 | 11°38 | 0°48 | 20°54 | 24° 4 | 8°16 | 8°53 | 17° 6 | 24°55 | T 11 |
| F 12 | 3 44 28 | 25° 8'38 | 17°25 | 26°22 | 12°23 | 19°45 | 29° 6 | 11°33 | 0°51 | 20°56 | 24° 5 | 8°15 | 8°50 | 17°12 | 25° 2 | F 12 |
| S 13 | 3 48 25 | 26° 9'36 | 1♐55 | 27°56 | 13°23 | 20° 8 | 29° 0 | 11°28 | 0°55 | 20°58 | 24° 5 | 8°D14 | 8°47 | 17°19 | 25° 9 | S 13 |
| S 14 | 3 52 21 | 27°10'35 | 16°37 | 29°30 | 14°22 | 20°30 | 28°54 | 11°23 | 0°58 | 21° 0 | 24° 5 | 8°15 | 8°43 | 17°26 | 25°17 | S 14 |
| M15 | 3 56 18 | 28°11'35 | 1♑23 | 1♐ 5 | 15°21 | 20°53 | 28°48 | 11°19 | 1° 2 | 21° 2 | 24° 5 | 8°15 | 8°40 | 17°32 | 25°24 | M15 |
| T 16 | 4 0 14 | 29°12'36 | 16° 6 | 2°39 | 16°19 | 21°14 | 28°42 | 11°14 | 1° 5 | 21° 4 | 24° 6 | 8°16 | 8°37 | 17°39 | 25°32 | T 16 |
| W17 | 4 4 11 | 0♐13'37 | 0♒40 | 4°13 | 17°17 | 21°36 | 28°36 | 11°10 | 1° 9 | 21° 6 | 24° 6 | 8°17 | 8°34 | 17°46 | 25°39 | W17 |
| T 18 | 4 8 7 | 1°14'39 | 15° 1 | 5°47 | 18°14 | 21°57 | 28°29 | 11° 5 | 1°12 | 21° 8 | 24° 6 | 8°17 | 8°31 | 17°52 | 25°46 | T 18 |
| F 19 | 4 12 4 | 2°15'42 | 29° 6 | 7°21 | 19°11 | 22°17 | 28°23 | 11° 1 | 1°15 | 21° 9 | 24° 6 | 8°R17 | 8°27 | 17°59 | 25°54 | F 19 |
| S 20 | 4 16 1 | 3°16'45 | 12♓54 | 8°56 | 20° 7 | 22°38 | 28°16 | 10°57 | 1°19 | 21°11 | 24° 6 | 8°17 | 8°24 | 18° 6 | 26° 1 | S 20 |
| S 21 | 4 19 57 | 4°17'48 | 26°25 | 10°30 | 21° 2 | 22°58 | 28° 9 | 10°52 | 1°22 | 21°13 | 24°R 6 | 8°17 | 8°21 | 18°12 | 26° 9 | S 21 |
| M22 | 4 23 54 | 5°18'52 | 9♈39 | 12° 4 | 21°57 | 23°17 | 28° 2 | 10°48 | 1°25 | 21°15 | 24° 6 | 8°17 | 8°18 | 18°19 | 26°16 | M22 |
| T 23 | 4 27 50 | 6°19'57 | 22°38 | 13°39 | 22°51 | 23°36 | 27°55 | 10°44 | 1°29 | 21°16 | 24° 6 | 8°16 | 8°15 | 18°26 | 26°23 | T 23 |
| W24 | 4 31 47 | 7°21'02 | 5♉23 | 15°13 | 23°45 | 23°55 | 27°48 | 10°40 | 1°32 | 21°18 | 24° 6 | 8°16 | 8°12 | 18°32 | 26°31 | W24 |
| T 25 | 4 35 43 | 8°22'08 | 17°55 | 16°48 | 24°38 | 24°13 | 27°41 | 10°36 | 1°35 | 21°20 | 24° 6 | 8°D16 | 8° 8 | 18°39 | 26°38 | T 25 |
| F 26 | 4 39 40 | 9°23'14 | 0♊16 | 18°23 | 25°30 | 24°31 | 27°33 | 10°32 | 1°38 | 21°21 | 24° 6 | 8°16 | 8° 5 | 18°46 | 26°45 | F 26 |
| S 27 | 4 43 36 | 10°24'21 | 12°27 | 19°58 | 26°22 | 24°48 | 27°26 | 10°28 | 1°41 | 21°23 | 24° 5 | 8°R16 | 8° 2 | 18°52 | 26°52 | S 27 |
| S 28 | 4 47 33 | 11°25'28 | 24°29 | 21°32 | 27°12 | 25° 5 | 27°18 | 10°24 | 1°45 | 21°25 | 24° 5 | 8°16 | 7°59 | 18°59 | 27° 0 | S 28 |
| M29 | 4 51 30 | 12°26'36 | 6♋25 | 23° 7 | 28° 2 | 25°22 | 27°11 | 10°20 | 1°48 | 21°26 | 24° 5 | 8°16 | 7°56 | 19° 6 | 27° 7 | M29 |
| T 30 | 4 55 26 | 13♐27'45 | 18♋16 | 24♐42 | 28♉51 | 25♌38 | 27♊ 3 | 10♉16 | 1♏51 | 21♎28 | 24♌ 5 | 8♐15 | 7♐53 | 19♋12 | 27♏14 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 16s 8 | 21n46 | 1s47 | 14s16 | 0n19 | 26s45 | 3s11 | 18n11 | 1n55 | 23n21 | 0s13 | 13n16 | 2s30 | 11s10 | 0n28 | 6s26 | 1n47 | 25n18 | 12n28 | 21s49 | 21s59 | 19n34 | 16s45 | 2n 7 | M 1 |
| T 2 | 16 26 | 20 26 | 2 46 | 14 53 | 0 12 | 26 44 | 3 11 | 18 4 | 1 56 | 23 21 | 0 13 | 13 15 | 2 30 | 11 12 | 0 28 | 6 26 | 1 47 | 25 18 | 12 28 | 21 49 | 21 59 | 19 32 | 16 47 | 2 7 | T 2 |
| W 3 | 16 43 | 18 12 | 3 38 | 15 29 | 0 5 | 26 43 | 3 11 | 17 58 | 1 58 | 23 21 | 0 13 | 13 13 | 2 30 | 11 13 | 0 28 | 6 27 | 1 47 | 25 18 | 12 29 | 21 50 | 21 58 | 19 31 | 16 48 | 2 7 | W 3 |
| T 4 | 17 1 | 15 13 | 4 20 | 16 5 | 0s 1 | 26 41 | 3 10 | 17 52 | 1 59 | 23 21 | 0 13 | 13 12 | 2 30 | 11 14 | 0 28 | 6 28 | 1 47 | 25 19 | 12 29 | 21 50 | 21 58 | 19 29 | 16 50 | 2 7 | T 4 |
| F 5 | 17 18 | 11 36 | 4 51 | 16 39 | 0 8 | 26 38 | 3 10 | 17 45 | 2 1 | 23 22 | 0 13 | 13 11 | 2 30 | 11 15 | 0 28 | 6 29 | 1 47 | 25 19 | 12 30 | 21 50 | 21 57 | 19 28 | 16 52 | 2 7 | F 5 |
| S 6 | 17 35 | 7 28 | 5 11 | 17 13 | 0 15 | 26 34 | 3 9 | 17 39 | 2 2 | 23 22 | 0 13 | 13 9 | 2 30 | 11 17 | 0 28 | 6 29 | 1 47 | 25 19 | 12 30 | 21 50 | 21 57 | 19 26 | 16 53 | 2 7 | S 6 |
| S 7 | 17 51 | 2 57 | 5 16 | 17 46 | 0 21 | 26 30 | 3 9 | 17 33 | 2 4 | 23 22 | 0 13 | 13 8 | 2 30 | 11 18 | 0 28 | 6 30 | 1 47 | 25 19 | 12 30 | 21 50 | 21 56 | 19 25 | 16 55 | 2 8 | S 7 |
| M 8 | 18 8 | 1s48 | 5 6 | 18 18 | 0 28 | 26 26 | 3 8 | 17 27 | 2 5 | 23 22 | 0 12 | 13 6 | 2 30 | 11 19 | 0 28 | 6 31 | 1 47 | 25 20 | 12 31 | 21 50 | 21 56 | 19 23 | 16 57 | 2 8 | M 8 |
| T 9 | 18 24 | 6 37 | 4 41 | 18 49 | 0 34 | 26 20 | 3 7 | 17 21 | 2 7 | 23 22 | 0 12 | 13 5 | 2 29 | 11 20 | 0 28 | 6 32 | 1 47 | 25 20 | 12 31 | 21 49 | 21 55 | 19 22 | 16 58 | 2 8 | T 9 |
| W10 | 18 39 | 11 17 | 3 59 | 19 20 | 0 40 | 26 14 | 3 5 | 17 15 | 2 8 | 23 22 | 0 12 | 13 4 | 2 29 | 11 22 | 0 28 | 6 32 | 1 47 | 25 20 | 12 32 | 21 49 | 21 55 | 19 20 | 17 0 | 2 8 | W10 |
| T 11 | 18 54 | 15 30 | 3 2 | 19 49 | 0 46 | 26 8 | 3 4 | 17 9 | 2 10 | 23 22 | 0 12 | 13 2 | 2 29 | 11 23 | 0 28 | 6 33 | 1 47 | 25 20 | 12 32 | 21 48 | 21 54 | 19 19 | 17 1 | 2 8 | T 11 |
| F 12 | 19 9 | 18 56 | 1 53 | 20 18 | 0 52 | 26 1 | 3 2 | 17 3 | 2 11 | 23 22 | 0 12 | 13 1 | 2 29 | 11 24 | 0 28 | 6 34 | 1 47 | 25 21 | 12 33 | 21 48 | 21 54 | 19 17 | 17 3 | 2 9 | F 12 |
| S 13 | 19 24 | 21 14 | 0 35 | 20 45 | 0 58 | 25 53 | 3 0 | 16 57 | 2 13 | 23 22 | 0 12 | 13 0 | 2 29 | 11 25 | 0 28 | 6 34 | 1 47 | 25 21 | 12 33 | 21 48 | 21 53 | 19 16 | 17 5 | 2 9 | S 13 |
| S 14 | 19 38 | 22 8 | 0n46 | 21 12 | 1 4 | 25 45 | 2 58 | 16 52 | 2 15 | 23 22 | 0 12 | 12 58 | 2 29 | 11 27 | 0 28 | 6 35 | 1 47 | 25 21 | 12 34 | 21 48 | 21 53 | 19 14 | 17 6 | 2 9 | S 14 |
| M15 | 19 52 | 21 29 | 2 5 | 21 38 | 1 10 | 25 36 | 2 56 | 16 46 | 2 16 | 23 22 | 0 12 | 12 57 | 2 29 | 11 28 | 0 28 | 6 36 | 1 47 | 25 22 | 12 34 | 21 48 | 21 52 | 19 12 | 17 8 | 2 9 | M15 |
| T 16 | 20 6 | 19 22 | 3 15 | 22 2 | 1 15 | 25 27 | 2 54 | 16 40 | 2 18 | 23 22 | 0 11 | 12 56 | 2 28 | 11 29 | 0 28 | 6 36 | 1 47 | 25 22 | 12 35 | 21 48 | 21 52 | 19 11 | 17 9 | 2 9 | T 16 |
| W17 | 20 19 | 16 1 | 4 12 | 22 26 | 1 21 | 25 17 | 2 51 | 16 35 | 2 20 | 23 23 | 0 11 | 12 55 | 2 28 | 11 30 | 0 28 | 6 37 | 1 47 | 25 23 | 12 35 | 21 48 | 21 51 | 19 9 | 17 11 | 2 10 | W17 |
| T 18 | 20 31 | 11 46 | 4 52 | 22 48 | 1 26 | 25 6 | 2 49 | 16 30 | 2 21 | 23 23 | 0 11 | 12 53 | 2 28 | 11 31 | 0 28 | 6 38 | 1 47 | 25 23 | 12 35 | 21 49 | 21 51 | 19 8 | 17 12 | 2 10 | T 18 |
| F 19 | 20 44 | 6 57 | 5 14 | 23 9 | 1 31 | 24 55 | 2 46 | 16 25 | 2 23 | 23 23 | 0 11 | 12 52 | 2 28 | 11 33 | 0 28 | 6 38 | 1 47 | 25 23 | 12 36 | 21 49 | 21 50 | 19 6 | 17 14 | 2 10 | F 19 |
| S 20 | 20 56 | 1 53 | 5 17 | 23 29 | 1 36 | 24 44 | 2 42 | 16 20 | 2 25 | 23 23 | 0 11 | 12 51 | 2 28 | 11 34 | 0 28 | 6 39 | 1 47 | 25 24 | 12 36 | 21 49 | 21 50 | 19 5 | 17 15 | 2 10 | S 20 |
| S 21 | 21 7 | 3n11 | 5 2 | 23 48 | 1 40 | 24 32 | 2 39 | 16 15 | 2 26 | 23 23 | 0 11 | 12 50 | 2 28 | 11 35 | 0 28 | 6 40 | 1 47 | 25 24 | 12 37 | 21 49 | 21 49 | 19 3 | 17 17 | 2 10 | S 21 |
| M22 | 21 18 | 8 0 | 4 31 | 24 5 | 1 44 | 24 20 | 2 35 | 16 10 | 2 28 | 23 23 | 0 11 | 12 49 | 2 28 | 11 36 | 0 28 | 6 40 | 1 48 | 25 25 | 12 37 | 21 48 | 21 49 | 19 2 | 17 18 | 2 11 | M22 |
| T 23 | 21 29 | 12 22 | 3 47 | 24 21 | 1 48 | 24 7 | 2 32 | 16 5 | 2 30 | 23 23 | 0 11 | 12 48 | 2 27 | 11 37 | 0 28 | 6 41 | 1 48 | 25 25 | 12 38 | 21 48 | 21 48 | 19 0 | 17 20 | 2 11 | T 23 |
| W24 | 21 39 | 16 6 | 2 53 | 24 36 | 1 52 | 23 53 | 2 27 | 16 1 | 2 32 | 23 23 | 0 10 | 12 46 | 2 27 | 11 38 | 0 28 | 6 41 | 1 48 | 25 25 | 12 38 | 21 48 | 21 48 | 18 59 | 17 21 | 2 11 | W24 |
| T 25 | 21 49 | 19 2 | 1 51 | 24 50 | 1 56 | 23 40 | 2 23 | 15 56 | 2 34 | 23 23 | 0 10 | 12 45 | 2 27 | 11 39 | 0 28 | 6 42 | 1 48 | 25 26 | 12 39 | 21 48 | 21 47 | 18 57 | 17 23 | 2 11 | T 25 |
| F 26 | 21 59 | 21 2 | 0 44 | 25 2 | 1 59 | 23 26 | 2 19 | 15 52 | 2 35 | 23 23 | 0 10 | 12 44 | 2 27 | 11 40 | 0 28 | 6 43 | 1 48 | 25 26 | 12 39 | 21 48 | 21 47 | 18 55 | 17 24 | 2 12 | F 26 |
| S 27 | 22 8 | 22 2 | 0s23 | 25 13 | 2 2 | 23 11 | 2 14 | 15 48 | 2 37 | 23 23 | 0 10 | 12 43 | 2 27 | 11 41 | 0 28 | 6 43 | 1 48 | 25 27 | 12 39 | 21 48 | 21 46 | 18 54 | 17 26 | 2 12 | S 27 |
| S 28 | 22 17 | 21 58 | 1 29 | 25 22 | 2 5 | 22 56 | 2 9 | 15 44 | 2 39 | 23 23 | 0 10 | 12 42 | 2 26 | 11 43 | 0 28 | 6 44 | 1 48 | 25 27 | 12 40 | 21 48 | 21 46 | 18 52 | 17 27 | 2 12 | S 28 |
| M29 | 22 25 | 20 55 | 2 30 | 25 30 | 2 7 | 22 41 | 2 4 | 15 40 | 2 41 | 23 23 | 0 10 | 12 41 | 2 26 | 11 44 | 0 28 | 6 44 | 1 48 | 25 28 | 12 40 | 21 48 | 21 45 | 18 51 | 17 29 | 2 12 | M29 |
| T 30 | 22s33 | 18n56 | 3s24 | 25s36 | 2s 9 | 22s26 | 1s58 | 15n36 | 2n43 | 23n23 | 0s10 | 12n40 | 2s26 | 11s45 | 0n28 | 6s45 | 1n48 | 25n28 | 12n41 | 21s48 | 21s45 | 18n49 | 17s30 | 2n13 | T 30 |

Julian Day Number = 2075289.5, Delta T = 26m59s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°22'59, Lahiri = 9°29'59 Julian Calendar 1 Nov. 969 == Greg. Calendar 6 Nov. 969


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# ASTRODIENST EPHEMERIS for the year 969
# geocentric

## DECEMBER 969 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 59 23 | 14♐28'54 | 0♌ 6 | 26♐17 | 29♑39 | 25♌53 | 26°R55 | 10°R13 | 1♏54 | 21♎29 | 24°R 4 | 8°R14 | 7♐49 | 19♋19 | 27♏21 | W 1 |
| T 2 | 5 3 19 | 15°30'04 | 11°56 | 27°51 | 0♒27 | 26° 8 | 26♊48 | 10♉ 9 | 1°57 | 21°31 | 24♌ 4 | 8♐13 | 7°46 | 19°26 | 27°29 | T 2 |
| F 3 | 5 7 16 | 16°31'14 | 23°51 | 29°26 | 1°13 | 26°23 | 26°40 | 10° 6 | 2° 0 | 21°32 | 24° 4 | 8°12 | 7°43 | 19°32 | 27°36 | F 3 |
| S 4 | 5 11 12 | 17°32'25 | 5♍55 | 1♑ 0 | 1°59 | 26°37 | 26°32 | 10° 2 | 2° 3 | 21°34 | 24° 3 | 8°12 | 7°40 | 19°39 | 27°43 | S 4 |
| S 5 | 5 15 9 | 18°33'37 | 18°13 | 2°34 | 2°43 | 26°50 | 26°24 | 9°59 | 2° 5 | 21°35 | 24° 3 | 8°D12 | 7°37 | 19°46 | 27°50 | S 5 |
| M 6 | 5 19 5 | 19°34'49 | 0♎48 | 4° 7 | 3°26 | 27° 3 | 26°16 | 9°56 | 2° 8 | 21°37 | 24° 2 | 8°12 | 7°33 | 19°53 | 27°57 | M 6 |
| T 7 | 5 23 2 | 20°36'01 | 13°45 | 5°40 | 4° 8 | 27°15 | 26° 8 | 9°53 | 2°11 | 21°38 | 24° 2 | 8°13 | 7°30 | 19°59 | 28° 4 | T 7 |
| W 8 | 5 26 59 | 21°37'14 | 27° 7 | 7°12 | 4°50 | 27°27 | 26° 0 | 9°50 | 2°14 | 21°39 | 24° 1 | 8°14 | 7°27 | 20° 6 | 28°11 | W 8 |
| T 9 | 5 30 55 | 22°38'27 | 10♏57 | 8°44 | 5°30 | 27°38 | 25°52 | 9°47 | 2°17 | 21°41 | 24° 1 | 8°15 | 7°24 | 20°13 | 28°18 | T 9 |
| F 10 | 5 34 52 | 23°39'41 | 25°13 | 10°14 | 6° 8 | 27°49 | 25°43 | 9°44 | 2°19 | 21°42 | 24° 0 | 8°16 | 7°21 | 20°19 | 28°25 | F 10 |
| S 11 | 5 38 48 | 24°40'55 | 9♐53 | 11°43 | 6°46 | 27°59 | 25°35 | 9°41 | 2°22 | 21°43 | 24° 0 | 8°R16 | 7°18 | 20°26 | 28°32 | S 11 |
| S 12 | 5 42 45 | 25°42'09 | 24°51 | 13°10 | 7°22 | 28° 9 | 25°27 | 9°39 | 2°25 | 21°44 | 23°59 | 8°16 | 7°14 | 20°33 | 28°39 | S 12 |
| M13 | 5 46 41 | 26°43'23 | 9♑58 | 14°35 | 7°56 | 28°17 | 25°19 | 9°36 | 2°27 | 21°46 | 23°58 | 8°14 | 7°11 | 20°39 | 28°45 | M13 |
| T 14 | 5 50 38 | 27°44'37 | 25° 7 | 15°58 | 8°30 | 28°26 | 25°11 | 9°34 | 2°30 | 21°47 | 23°58 | 8°12 | 7° 8 | 20°46 | 28°52 | T 14 |
| W15 | 5 54 35 | 28°45'51 | 10♒ 6 | 17°18 | 9° 1 | 28°33 | 25° 3 | 9°31 | 2°32 | 21°48 | 23°57 | 8° 9 | 7° 5 | 20°53 | 28°59 | W15 |
| T 16 | 5 58 31 | 29°47'04 | 24°48 | 18°35 | 9°31 | 28°40 | 24°55 | 9°29 | 2°35 | 21°49 | 23°56 | 8° 6 | 7° 2 | 20°59 | 29° 6 | T 16 |
| F 17 | 6 2 28 | 0♑48'17 | 9♓ 8 | 19°48 | 10° 0 | 28°46 | 24°47 | 9°27 | 2°37 | 21°50 | 23°55 | 8° 4 | 6°59 | 21° 6 | 29°12 | F 17 |
| S 18 | 6 6 24 | 1°49'29 | 23° 3 | 20°56 | 10°27 | 28°52 | 24°39 | 9°25 | 2°39 | 21°51 | 23°55 | 8° 2 | 6°55 | 21°13 | 29°19 | S 18 |
| S 19 | 6 10 21 | 2°50'41 | 6♈33 | 21°59 | 10°52 | 28°57 | 24°31 | 9°23 | 2°42 | 21°52 | 23°54 | 8°D 2 | 6°52 | 21°19 | 29°26 | S 19 |
| M20 | 6 14 17 | 3°51'52 | 19°39 | 22°55 | 11°15 | 29° 1 | 24°23 | 9°21 | 2°44 | 21°53 | 23°53 | 8° 3 | 6°49 | 21°26 | 29°32 | M20 |
| T 21 | 6 18 14 | 4°53'02 | 2♉26 | 23°45 | 11°36 | 29° 5 | 24°15 | 9°19 | 2°46 | 21°54 | 23°52 | 8° 5 | 6°46 | 21°33 | 29°39 | T 21 |
| W22 | 6 22 10 | 5°54'12 | 14°55 | 24°27 | 11°56 | 29° 7 | 24° 7 | 9°18 | 2°48 | 21°55 | 23°51 | 8° 6 | 6°43 | 21°39 | 29°45 | W22 |
| T 23 | 6 26 7 | 6°55'21 | 27°12 | 25° 0 | 12°13 | 29° 9 | 23°59 | 9°16 | 2°51 | 21°56 | 23°50 | 8° 8 | 6°39 | 21°46 | 29°51 | T 23 |
| F 24 | 6 30 4 | 7°56'30 | 9♊18 | 25°23 | 12°28 | 29°11 | 23°52 | 9°15 | 2°53 | 21°57 | 23°49 | 8°R 8 | 6°36 | 21°53 | 29°58 | F 24 |
| S 25 | 6 34 0 | 8°57'38 | 21°17 | 25°36 | 12°41 | 29°R11 | 23°44 | 9°13 | 2°55 | 21°58 | 23°48 | 8° 7 | 6°33 | 22° 0 | 0♐ 4 | S 25 |
| S 26 | 6 37 57 | 9°58'46 | 3♋11 | 25°R38 | 12°52 | 29°11 | 23°36 | 9°12 | 2°57 | 21°58 | 23°47 | 8° 5 | 6°30 | 22° 6 | 0°10 | S 26 |
| M27 | 6 41 53 | 10°59'53 | 15° 3 | 25°28 | 13° 0 | 29°10 | 23°29 | 9°11 | 2°59 | 21°59 | 23°46 | 8° 1 | 6°27 | 22°13 | 0°17 | M27 |
| T 28 | 6 45 50 | 12° 0'59 | 26°53 | 25° 7 | 13° 6 | 29° 9 | 23°22 | 9°10 | 3° 1 | 22° 0 | 23°45 | 7°55 | 6°24 | 22°20 | 0°23 | T 28 |
| W29 | 6 49 46 | 13° 2'05 | 8♌44 | 24°34 | 13°10 | 29° 6 | 23°14 | 9° 9 | 3° 2 | 22° 1 | 23°44 | 7°48 | 6°20 | 22°26 | 0°29 | W29 |
| T 30 | 6 53 43 | 14° 3'10 | 20°38 | 23°49 | 13°R11 | 29° 3 | 23° 7 | 9° 9 | 3° 4 | 22° 1 | 23°43 | 7°41 | 6°17 | 22°33 | 0°35 | T 30 |
| F 31 | 6 57 39 | 15♑ 4'14 | 2♍36 | 22♑55 | 13♒10 | 28♌59 | 23♊ 0 | 9♉ 8 | 3♏ 6 | 22♎ 2 | 23♌42 | 7♐34 | 6♐14 | 22♋40 | 0♐41 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s40 | 16n10 | 4s10 | 25s41 | 2s10 | 22s10 | 1s52 | 15n33 | 2n45 | 23n23 | 0s 9 | 12n39 | 2s26 | 11s46 | 0n28 | 6s45 | 1n48 | 25n29 | 12n41 | 21s48 | 21s44 | 18n47 | 17s31 | 2n13 |
| T 2 | 22 47 | 12 45 | 4 45 | 25 44 | 2 11 | 21 54 | 1 46 | 15 29 | 2 47 | 23 23 | 0 9 | 12 39 | 2 25 | 11 47 | 0 28 | 6 46 | 1 48 | 25 29 | 12 42 | 21 48 | 21 44 | 18 46 | 17 33 | 2 13 |
| F 3 | 22 53 | 8 48 | 5 7 | 25 46 | 2 12 | 21 37 | 1 40 | 15 26 | 2 49 | 23 23 | 0 9 | 12 38 | 2 25 | 11 48 | 0 28 | 6 46 | 1 48 | 25 30 | 12 42 | 21 48 | 21 43 | 18 44 | 17 34 | 2 13 |
| S 4 | 22 59 | 4 29 | 5 17 | 25 46 | 2 12 | 21 21 | 1 34 | 15 23 | 2 51 | 23 22 | 0 9 | 12 37 | 2 25 | 11 49 | 0 28 | 6 47 | 1 48 | 25 30 | 12 43 | 21 48 | 21 43 | 18 43 | 17 35 | 2 14 |
| S 5 | 23 5 | 0s 6 | 5 12 | 25 44 | 2 12 | 21 4 | 1 27 | 15 20 | 2 53 | 23 22 | 0 9 | 12 36 | 2 25 | 11 50 | 0 28 | 6 47 | 1 48 | 25 31 | 12 43 | 21 48 | 21 42 | 18 41 | 17 37 | 2 14 |
| M 6 | 23 10 | 4 48 | 4 53 | 25 41 | 2 11 | 20 47 | 1 20 | 15 18 | 2 55 | 23 22 | 0 9 | 12 35 | 2 25 | 11 51 | 0 28 | 6 48 | 1 48 | 25 32 | 12 43 | 21 48 | 21 41 | 18 39 | 17 38 | 2 14 |
| T 7 | 23 14 | 9 25 | 4 18 | 25 36 | 2 9 | 20 30 | 1 12 | 15 15 | 2 57 | 23 22 | 0 9 | 12 34 | 2 24 | 11 52 | 0 28 | 6 48 | 1 48 | 25 32 | 12 44 | 21 48 | 21 41 | 18 38 | 17 39 | 2 14 |
| W 8 | 23 18 | 13 45 | 3 29 | 25 30 | 2 7 | 20 12 | 1 4 | 15 13 | 2 59 | 23 22 | 0 8 | 12 34 | 2 24 | 11 53 | 0 28 | 6 49 | 1 48 | 25 33 | 12 44 | 21 48 | 21 40 | 18 36 | 17 41 | 2 15 |
| T 9 | 23 22 | 17 30 | 2 26 | 25 21 | 2 5 | 19 55 | 0 56 | 15 11 | 3 1 | 23 22 | 0 8 | 12 33 | 2 24 | 11 54 | 0 28 | 6 49 | 1 48 | 25 33 | 12 45 | 21 48 | 21 40 | 18 35 | 17 42 | 2 15 |
| F 10 | 23 25 | 20 20 | 1 12 | 25 11 | 2 1 | 19 37 | 0 48 | 15 9 | 3 3 | 23 22 | 0 8 | 12 32 | 2 24 | 11 54 | 0 28 | 6 50 | 1 48 | 25 34 | 12 45 | 21 48 | 21 39 | 18 33 | 17 43 | 2 15 |
| S 11 | 23 28 | 21 54 | 0n 9 | 25 0 | 1 57 | 19 19 | 0 40 | 15 8 | 3 5 | 23 22 | 0 8 | 12 32 | 2 23 | 11 55 | 0 28 | 6 50 | 1 48 | 25 34 | 12 45 | 21 48 | 21 39 | 18 31 | 17 44 | 2 16 |
| S 12 | 23 30 | 21 58 | 1 30 | 24 47 | 1 52 | 19 2 | 0 31 | 15 6 | 3 7 | 23 22 | 0 8 | 12 31 | 2 23 | 11 56 | 0 28 | 6 50 | 1 49 | 25 35 | 12 46 | 21 48 | 21 38 | 18 30 | 17 46 | 2 16 |
| M13 | 23 32 | 20 26 | 2 46 | 24 32 | 1 47 | 18 44 | 0 21 | 15 5 | 3 9 | 23 22 | 0 8 | 12 31 | 2 23 | 11 57 | 0 28 | 6 51 | 1 49 | 25 36 | 12 46 | 21 48 | 21 38 | 18 28 | 17 47 | 2 16 |
| T 14 | 23 33 | 17 27 | 3 51 | 24 16 | 1 40 | 18 26 | 0 12 | 15 4 | 3 11 | 23 21 | 0 8 | 12 30 | 2 23 | 11 58 | 0 28 | 6 51 | 1 49 | 25 36 | 12 47 | 21 48 | 21 37 | 18 27 | 17 48 | 2 16 |
| W15 | 23 34 | 13 20 | 4 38 | 23 59 | 1 33 | 18 8 | 0 2 | 15 3 | 3 13 | 23 21 | 0 7 | 12 30 | 2 22 | 11 59 | 0 28 | 6 52 | 1 49 | 25 37 | 12 47 | 21 47 | 21 37 | 18 25 | 17 49 | 2 17 |
| T 16 | 23 34 | 8 30 | 5 7 | 23 40 | 1 25 | 17 50 | 0n 8 | 15 3 | 3 15 | 23 21 | 0 7 | 12 29 | 2 22 | 12 0 | 0 28 | 6 52 | 1 49 | 25 38 | 12 47 | 21 47 | 21 36 | 18 23 | 17 50 | 2 17 |
| F 17 | 23 34 | 3 19 | 5 15 | 23 21 | 1 15 | 17 32 | 0 19 | 15 3 | 3 18 | 23 21 | 0 7 | 12 29 | 2 22 | 12 0 | 0 28 | 6 52 | 1 49 | 25 38 | 12 48 | 21 46 | 21 36 | 18 22 | 17 51 | 2 17 |
| S 18 | 23 34 | 1n53 | 5 5 | 23 0 | 1 5 | 17 15 | 0 29 | 15 3 | 3 20 | 23 21 | 0 7 | 12 28 | 2 21 | 12 1 | 0 28 | 6 53 | 1 49 | 25 39 | 12 48 | 21 46 | 21 35 | 18 20 | 17 53 | 2 18 |
| S 19 | 23 32 | 6 51 | 4 37 | 22 39 | 0 53 | 16 57 | 0 40 | 15 3 | 3 22 | 23 21 | 0 7 | 12 28 | 2 21 | 12 2 | 0 28 | 6 53 | 1 49 | 25 39 | 12 49 | 21 46 | 21 35 | 18 18 | 17 54 | 2 18 |
| M20 | 23 31 | 11 22 | 3 56 | 22 17 | 0 41 | 16 40 | 0 52 | 15 4 | 3 24 | 23 20 | 0 7 | 12 28 | 2 21 | 12 3 | 0 28 | 6 53 | 1 49 | 25 40 | 12 49 | 21 46 | 21 34 | 18 17 | 17 55 | 2 18 |
| T 21 | 23 29 | 15 15 | 3 4 | 21 55 | 0 27 | 16 23 | 1 4 | 15 5 | 3 26 | 23 20 | 0 7 | 12 27 | 2 21 | 12 4 | 0 28 | 6 54 | 1 49 | 25 41 | 12 49 | 21 47 | 21 34 | 18 15 | 17 56 | 2 19 |
| W22 | 23 26 | 18 23 | 2 4 | 21 33 | 0 12 | 16 6 | 1 16 | 15 6 | 3 28 | 23 20 | 0 6 | 12 27 | 2 20 | 12 4 | 0 28 | 6 54 | 1 49 | 25 41 | 12 50 | 21 47 | 21 33 | 18 13 | 17 57 | 2 19 |
| T 23 | 23 23 | 20 37 | 1 0 | 21 12 | 0n 3 | 15 49 | 1 28 | 15 7 | 3 31 | 23 20 | 0 6 | 12 27 | 2 20 | 12 5 | 0 28 | 6 54 | 1 49 | 25 42 | 12 50 | 21 47 | 21 32 | 18 12 | 17 58 | 2 19 |
| F 24 | 23 20 | 21 52 | 0s 6 | 20 51 | 0 20 | 15 33 | 1 41 | 15 8 | 3 33 | 23 20 | 0 6 | 12 27 | 2 20 | 12 6 | 0 28 | 6 54 | 1 49 | 25 43 | 12 50 | 21 47 | 21 32 | 18 10 | 17 59 | 2 20 |
| S 25 | 23 16 | 22 6 | 1 11 | 20 32 | 0 37 | 15 17 | 1 54 | 15 10 | 3 35 | 23 19 | 0 6 | 12 27 | 2 19 | 12 6 | 0 28 | 6 55 | 1 49 | 25 43 | 12 51 | 21 47 | 21 31 | 18 8 | 18 0 | 2 20 |
| S 26 | 23 12 | 21 19 | 2 13 | 20 13 | 0 56 | 15 1 | 2 7 | 15 12 | 3 37 | 23 19 | 0 6 | 12 27 | 2 19 | 12 7 | 0 28 | 6 55 | 1 49 | 25 44 | 12 51 | 21 47 | 21 31 | 18 7 | 18 1 | 2 20 |
| M27 | 23 7 | 19 36 | 3 8 | 19 57 | 1 14 | 14 45 | 2 21 | 15 15 | 3 39 | 23 19 | 0 6 | 12 27 | 2 19 | 12 8 | 0 28 | 6 55 | 1 49 | 25 45 | 12 52 | 21 46 | 21 30 | 18 5 | 18 2 | 2 21 |
| T 28 | 23 2 | 17 3 | 3 55 | 19 42 | 1 33 | 14 30 | 2 34 | 15 17 | 3 42 | 23 19 | 0 5 | 12 26 | 2 19 | 12 8 | 0 28 | 6 55 | 1 50 | 25 45 | 12 52 | 21 45 | 21 30 | 18 3 | 18 3 | 2 21 |
| W29 | 22 56 | 13 48 | 4 32 | 19 30 | 1 52 | 14 16 | 2 48 | 15 20 | 3 44 | 23 19 | 0 5 | 12 27 | 2 18 | 12 9 | 0 28 | 6 56 | 1 50 | 25 46 | 12 52 | 21 44 | 21 29 | 18 2 | 18 4 | 2 21 |
| T 30 | 22 50 | 10 0 | 4 57 | 19 19 | 2 10 | 14 2 | 3 3 | 15 23 | 3 46 | 23 18 | 0 5 | 12 27 | 2 18 | 12 10 | 0 28 | 6 56 | 1 50 | 25 47 | 12 53 | 21 43 | 21 29 | 18 0 | 18 5 | 2 22 |
| F 31 | 22s43 | 5n48 | 5s 9 | 19s11 | 2n27 | 13s48 | 3n17 | 15n27 | 3n48 | 23n18 | 0s 5 | 12n27 | 2s18 | 12s10 | 0n28 | 6s56 | 1n50 | 25n48 | 12n53 | 21s42 | 21s28 | 17n58 | 18s 6 | 2n22 |

Julian Day Number = 2075319.5, Delta T = 26m59s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'03, Lahiri = 9°30'03 Julian Calendar 1 Dec. 969 == Greg. Calendar 6 Dec. 969


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## JANUARY 970 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 1 36 | 16♑ 5'18 | 14♍42 | 21°R53 | 13°R 6 | 28°R54 | 22°R53 | 9°R 8 | 3♏ 8 | 22♎ 3 | 23°R41 | 7°R29 | 6♐11 | 22♋46 | 0♐47 | S 1 |
| S 2 | 7 5 33 | 17° 6'22 | 26°59 | 20♑44 | 13♒ 0 | 28♌49 | 22♊46 | 9♉ 7 | 3° 9 | 22° 3 | 23♌40 | 7♐25 | 6° 8 | 22°53 | 0°53 | S 2 |
| M 3 | 7 9 29 | 18° 7'24 | 9♎30 | 19°30 | 12°52 | 28°42 | 22°40 | 9° 7 | 3°11 | 22° 4 | 23°39 | 7°23 | 6° 5 | 23° 0 | 0°58 | M 3 |
| T 4 | 7 13 26 | 19° 8'27 | 22°20 | 18°14 | 12°40 | 28°35 | 22°33 | 9° 7 | 3°13 | 22° 4 | 23°37 | 7°D22 | 6° 1 | 23° 6 | 1° 4 | T 4 |
| W 5 | 7 17 22 | 20° 9'28 | 5♏32 | 16°57 | 12°27 | 28°27 | 22°27 | 9°D 7 | 3°14 | 22° 5 | 23°36 | 7°23 | 5°58 | 23°13 | 1°10 | W 5 |
| T 6 | 7 21 19 | 21°10'29 | 19°10 | 15°44 | 12°10 | 28°18 | 22°20 | 9° 7 | 3°16 | 22° 5 | 23°35 | 7°25 | 5°55 | 23°20 | 1°15 | T 6 |
| F 7 | 7 25 15 | 22°11'30 | 3♐15 | 14°34 | 11°52 | 28° 9 | 22°14 | 9° 7 | 3°17 | 22° 5 | 23°34 | 7°R26 | 5°52 | 23°26 | 1°21 | F 7 |
| S 8 | 7 29 12 | 23°12'30 | 17°47 | 13°30 | 11°31 | 27°59 | 22° 8 | 9° 7 | 3°18 | 22° 6 | 23°32 | 7°25 | 5°49 | 23°33 | 1°26 | S 8 |
| S 9 | 7 33 8 | 24°13'29 | 2♑42 | 12°32 | 11° 8 | 27°47 | 22° 2 | 9° 8 | 3°20 | 22° 6 | 23°31 | 7°23 | 5°45 | 23°40 | 1°32 | S 9 |
| M10 | 7 37 5 | 25°14'27 | 17°54 | 11°43 | 10°42 | 27°35 | 21°57 | 9° 8 | 3°21 | 22° 6 | 23°30 | 7°18 | 5°42 | 23°47 | 1°37 | M10 |
| T 11 | 7 41 2 | 26°15'24 | 3♒14 | 11° 2 | 10°15 | 27°23 | 21°51 | 9° 9 | 3°22 | 22° 7 | 23°29 | 7°12 | 5°39 | 23°53 | 1°42 | T 11 |
| W12 | 7 44 58 | 27°16'19 | 18°28 | 10°30 | 9°46 | 27° 9 | 21°46 | 9°10 | 3°23 | 22° 7 | 23°27 | 7° 4 | 5°36 | 24° 0 | 1°48 | W12 |
| T 13 | 7 48 55 | 28°17'14 | 3♓28 | 10° 7 | 9°14 | 26°55 | 21°40 | 9°10 | 3°24 | 22° 7 | 23°26 | 6°55 | 5°33 | 24° 7 | 1°53 | T 13 |
| F 14 | 7 52 51 | 29°18'07 | 18° 5 | 9°52 | 8°42 | 26°40 | 21°35 | 9°11 | 3°25 | 22° 7 | 23°24 | 6°48 | 5°30 | 24°13 | 1°58 | F 14 |
| S 15 | 7 56 48 | 0♒18'58 | 2♈13 | 9°D45 | 8° 8 | 26°24 | 21°30 | 9°12 | 3°26 | 22° 7 | 23°23 | 6°43 | 5°26 | 24°20 | 2° 3 | S 15 |
| S 16 | 8 0 44 | 1°19'48 | 15°52 | 9°45 | 7°33 | 26° 8 | 21°26 | 9°14 | 3°27 | 22° 7 | 23°22 | 6°39 | 5°23 | 24°27 | 2° 8 | S 16 |
| M17 | 8 4 41 | 2°20'36 | 29° 2 | 9°53 | 6°56 | 25°51 | 21°21 | 9°15 | 3°28 | 22° 7 | 23°20 | 6°D38 | 5°20 | 24°33 | 2°13 | M17 |
| T 18 | 8 8 37 | 3°21'23 | 11♉47 | 10° 8 | 6°20 | 25°33 | 21°17 | 9°16 | 3°29 | 22°R 7 | 23°19 | 6°38 | 5°17 | 24°40 | 2°17 | T 18 |
| W19 | 8 12 34 | 4°22'08 | 24°12 | 10°28 | 5°42 | 25°14 | 21°12 | 9°18 | 3°30 | 22° 7 | 23°17 | 6°39 | 5°14 | 24°47 | 2°22 | W19 |
| T 20 | 8 16 31 | 5°22'52 | 6♊21 | 10°55 | 5° 5 | 24°55 | 21° 8 | 9°20 | 3°30 | 22° 7 | 23°16 | 6°R40 | 5°11 | 24°53 | 2°27 | T 20 |
| F 21 | 8 20 27 | 6°23'34 | 18°20 | 11°27 | 4°28 | 24°36 | 21° 5 | 9°21 | 3°31 | 22° 7 | 23°15 | 6°39 | 5° 7 | 25° 0 | 2°31 | F 21 |
| S 22 | 8 24 24 | 7°24'14 | 0♋12 | 12° 3 | 3°51 | 24°16 | 21° 1 | 9°23 | 3°32 | 22° 7 | 23°13 | 6°36 | 5° 4 | 25° 7 | 2°36 | S 22 |
| S 23 | 8 28 20 | 8°24'53 | 12° 1 | 12°44 | 3°14 | 23°55 | 20°57 | 9°25 | 3°32 | 22° 7 | 23°12 | 6°30 | 5° 1 | 25°14 | 2°40 | S 23 |
| M24 | 8 32 17 | 9°25'30 | 23°51 | 13°30 | 2°39 | 23°34 | 20°54 | 9°27 | 3°33 | 22° 7 | 23°10 | 6°22 | 4°58 | 25°20 | 2°44 | M24 |
| T 25 | 8 36 13 | 10°26'06 | 5♌42 | 14°18 | 2° 4 | 23°13 | 20°51 | 9°29 | 3°33 | 22° 7 | 23° 9 | 6°11 | 4°55 | 25°27 | 2°49 | T 25 |
| W26 | 8 40 10 | 11°26'39 | 17°37 | 15°11 | 1°31 | 22°51 | 20°48 | 9°32 | 3°33 | 22° 6 | 23° 7 | 5°59 | 4°51 | 25°34 | 2°53 | W26 |
| T 27 | 8 44 6 | 12°27'12 | 29°38 | 16° 6 | 1° 0 | 22°28 | 20°45 | 9°34 | 3°34 | 22° 6 | 23° 6 | 5°46 | 4°48 | 25°40 | 2°57 | T 27 |
| F 28 | 8 48 3 | 13°27'43 | 11♍45 | 17° 5 | 0°30 | 22° 6 | 20°43 | 9°37 | 3°34 | 22° 6 | 23° 4 | 5°33 | 4°45 | 25°47 | 3° 1 | F 28 |
| S 29 | 8 52 0 | 14°28'12 | 23°59 | 18° 6 | 0° 2 | 21°43 | 20°41 | 9°39 | 3°34 | 22° 5 | 23° 3 | 5°22 | 4°42 | 25°54 | 3° 5 | S 29 |
| S 30 | 8 55 56 | 15°28'40 | 6♎23 | 19°10 | 29♑36 | 21°19 | 20°38 | 9°42 | 3°34 | 22° 5 | 23° 1 | 5°13 | 4°39 | 26° 0 | 3° 8 | S 30 |
| M31 | 8 59 53 | 16♒29'06 | 18♎58 | 20♑16 | 29♑12 | 20♌56 | 20♊37 | 9♉45 | 3♏34 | 22♎ 4 | 23♌ 0 | 5♐ 7 | 4♐36 | 26♋ 7 | 3♐12 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s36 | 1n19 | 5s 8 | 19s 6 | 2n43 | 13s35 | 3n32 | 15n30 | 3n50 | 23n18 | 0s 5 | 12n27 | 2s17 | 12s11 | 0n28 | 6s56 | 1n50 | 25n48 | 12n53 | 21s41 | 21s28 | 17n57 | 18s 6 | 2n22 |
| S 2 | 22 28 | 3s16 | 4 53 | 19 2 | 2 58 | 13 23 | 3 47 | 15 34 | 3 52 | 23 18 | 0 5 | 12 27 | 2 17 | 12 11 | 0 28 | 6 56 | 1 50 | 25 49 | 12 54 | 21 40 | 21 27 | 17 55 | 18 7 | 2 23 |
| M 3 | 22 20 | 7 49 | 4 23 | 19 1 | 3 10 | 13 11 | 4 1 | 15 39 | 3 54 | 23 17 | 0 5 | 12 27 | 2 17 | 12 12 | 0 28 | 6 56 | 1 50 | 25 50 | 12 54 | 21 40 | 21 26 | 17 53 | 18 8 | 2 23 |
| T 4 | 22 12 | 12 8 | 3 40 | 19 1 | 3 20 | 13 0 | 4 16 | 15 43 | 3 56 | 23 17 | 0 4 | 12 27 | 2 17 | 12 12 | 0 28 | 6 56 | 1 50 | 25 50 | 12 54 | 21 40 | 21 26 | 17 52 | 18 9 | 2 23 |
| W 5 | 22 3 | 16 1 | 2 44 | 19 3 | 3 28 | 12 49 | 4 31 | 15 48 | 3 59 | 23 17 | 0 4 | 12 28 | 2 16 | 12 13 | 0 28 | 6 57 | 1 50 | 25 51 | 12 54 | 21 40 | 21 25 | 17 50 | 18 10 | 2 24 |
| T 6 | 21 54 | 19 10 | 1 37 | 19 7 | 3 33 | 12 40 | 4 46 | 15 53 | 4 1 | 23 17 | 0 4 | 12 28 | 2 16 | 12 13 | 0 28 | 6 57 | 1 50 | 25 52 | 12 55 | 21 40 | 21 25 | 17 48 | 18 10 | 2 24 |
| F 7 | 21 44 | 21 18 | 0 23 | 19 12 | 3 35 | 12 31 | 5 1 | 15 58 | 4 3 | 23 17 | 0 4 | 12 28 | 2 16 | 12 14 | 0 28 | 6 57 | 1 50 | 25 52 | 12 55 | 21 40 | 21 24 | 17 47 | 18 11 | 2 24 |
| S 8 | 21 34 | 22 5 | 0n56 | 19 18 | 3 36 | 12 22 | 5 15 | 16 4 | 4 5 | 23 16 | 0 4 | 12 29 | 2 15 | 12 14 | 0 28 | 6 57 | 1 50 | 25 53 | 12 55 | 21 40 | 21 24 | 17 45 | 18 12 | 2 25 |
| S 9 | 21 23 | 21 20 | 2 12 | 19 26 | 3 34 | 12 15 | 5 30 | 16 9 | 4 6 | 23 16 | 0 4 | 12 29 | 2 15 | 12 15 | 0 28 | 6 57 | 1 50 | 25 54 | 12 56 | 21 40 | 21 23 | 17 43 | 18 13 | 2 25 |
| M10 | 21 12 | 19 3 | 3 21 | 19 34 | 3 30 | 12 8 | 5 44 | 16 15 | 4 8 | 23 16 | 0 4 | 12 30 | 2 15 | 12 15 | 0 28 | 6 57 | 1 50 | 25 55 | 12 56 | 21 39 | 21 23 | 17 41 | 18 13 | 2 26 |
| T 11 | 21 1 | 15 24 | 4 15 | 19 43 | 3 24 | 12 2 | 5 58 | 16 22 | 4 10 | 23 16 | 0 3 | 12 30 | 2 14 | 12 16 | 0 29 | 6 57 | 1 50 | 25 55 | 12 56 | 21 38 | 21 22 | 17 40 | 18 14 | 2 26 |
| W12 | 20 49 | 10 45 | 4 51 | 19 52 | 3 18 | 11 56 | 6 11 | 16 28 | 4 12 | 23 16 | 0 3 | 12 31 | 2 14 | 12 16 | 0 29 | 6 57 | 1 50 | 25 56 | 12 56 | 21 37 | 21 21 | 17 38 | 18 15 | 2 26 |
| T 13 | 20 37 | 5 32 | 5 6 | 20 2 | 3 9 | 11 52 | 6 24 | 16 35 | 4 14 | 23 15 | 0 3 | 12 31 | 2 14 | 12 16 | 0 29 | 6 57 | 1 51 | 25 57 | 12 57 | 21 35 | 21 21 | 17 36 | 18 15 | 2 27 |
| F 14 | 20 25 | 0 7 | 5 1 | 20 12 | 3 0 | 11 48 | 6 36 | 16 41 | 4 15 | 23 15 | 0 3 | 12 32 | 2 13 | 12 17 | 0 29 | 6 57 | 1 51 | 25 57 | 12 57 | 21 34 | 21 20 | 17 35 | 18 16 | 2 27 |
| S 15 | 20 12 | 5n 7 | 4 37 | 20 23 | 2 51 | 11 45 | 6 48 | 16 48 | 4 17 | 23 15 | 0 3 | 12 32 | 2 13 | 12 17 | 0 29 | 6 57 | 1 51 | 25 58 | 12 57 | 21 33 | 21 20 | 17 33 | 18 17 | 2 27 |
| S 16 | 19 58 | 9 56 | 3 58 | 20 33 | 2 40 | 11 43 | 6 59 | 16 56 | 4 19 | 23 15 | 0 3 | 12 33 | 2 13 | 12 17 | 0 29 | 6 57 | 1 51 | 25 59 | 12 57 | 21 32 | 21 19 | 17 31 | 18 17 | 2 28 |
| M17 | 19 45 | 14 7 | 3 8 | 20 43 | 2 29 | 11 42 | 7 10 | 17 3 | 4 20 | 23 15 | 0 2 | 12 34 | 2 13 | 12 18 | 0 29 | 6 57 | 1 51 | 25 59 | 12 58 | 21 32 | 21 19 | 17 29 | 18 18 | 2 28 |
| T 18 | 19 31 | 17 30 | 2 9 | 20 53 | 2 18 | 11 42 | 7 19 | 17 10 | 4 21 | 23 15 | 0 2 | 12 34 | 2 12 | 12 18 | 0 29 | 6 57 | 1 51 | 26 0 | 12 58 | 21 32 | 21 18 | 17 28 | 18 18 | 2 29 |
| W19 | 19 16 | 20 0 | 1 6 | 21 3 | 2 7 | 11 42 | 7 28 | 17 18 | 4 23 | 23 14 | 0 2 | 12 35 | 2 12 | 12 18 | 0 29 | 6 57 | 1 51 | 26 1 | 12 58 | 21 32 | 21 17 | 17 26 | 18 19 | 2 29 |
| T 20 | 19 2 | 21 31 | 0 2 | 21 12 | 1 56 | 11 43 | 7 36 | 17 26 | 4 24 | 23 14 | 0 2 | 12 36 | 2 12 | 12 18 | 0 29 | 6 57 | 1 51 | 26 2 | 12 58 | 21 32 | 21 17 | 17 24 | 18 19 | 2 30 |
| F 21 | 18 47 | 22 1 | 1s 2 | 21 21 | 1 44 | 11 45 | 7 43 | 17 33 | 4 25 | 23 14 | 0 2 | 12 37 | 2 11 | 12 18 | 0 29 | 6 57 | 1 51 | 26 2 | 12 58 | 21 32 | 21 16 | 17 22 | 18 20 | 2 30 |
| S 22 | 18 31 | 21 32 | 2 2 | 21 29 | 1 33 | 11 47 | 7 50 | 17 41 | 4 26 | 23 14 | 0 2 | 12 38 | 2 11 | 12 19 | 0 29 | 6 57 | 1 51 | 26 3 | 12 59 | 21 32 | 21 16 | 17 21 | 18 20 | 2 30 |
| S 23 | 18 16 | 20 5 | 2 57 | 21 36 | 1 21 | 11 50 | 7 55 | 17 49 | 4 27 | 23 14 | 0 2 | 12 39 | 2 11 | 12 19 | 0 29 | 6 56 | 1 51 | 26 4 | 12 59 | 21 31 | 21 15 | 17 19 | 18 21 | 2 31 |
| M24 | 18 0 | 17 47 | 3 44 | 21 43 | 1 10 | 11 54 | 7 59 | 17 57 | 4 28 | 23 14 | 0 1 | 12 40 | 2 11 | 12 19 | 0 29 | 6 56 | 1 51 | 26 4 | 12 59 | 21 29 | 21 15 | 17 17 | 18 21 | 2 31 |
| T 25 | 17 43 | 14 44 | 4 21 | 21 49 | 0 59 | 11 58 | 8 3 | 18 5 | 4 29 | 23 14 | 0 1 | 12 41 | 2 10 | 12 19 | 0 29 | 6 56 | 1 51 | 26 5 | 12 59 | 21 28 | 21 14 | 17 15 | 18 21 | 2 32 |
| W26 | 17 27 | 11 5 | 4 47 | 21 54 | 0 48 | 12 2 | 8 5 | 18 13 | 4 30 | 23 14 | 0 1 | 12 42 | 2 10 | 12 19 | 0 29 | 6 56 | 1 51 | 26 6 | 12 59 | 21 25 | 21 13 | 17 14 | 18 22 | 2 32 |
| T 27 | 17 10 | 6 59 | 5 0 | 21 58 | 0 38 | 12 7 | 8 7 | 18 21 | 4 30 | 23 14 | 0 1 | 12 43 | 2 10 | 12 19 | 0 29 | 6 56 | 1 51 | 26 6 | 12 59 | 21 23 | 21 13 | 17 12 | 18 22 | 2 32 |
| F 28 | 16 52 | 2 34 | 5 0 | 22 1 | 0 27 | 12 13 | 8 7 | 18 29 | 4 31 | 23 14 | 0 1 | 12 44 | 2 9 | 12 19 | 0 29 | 6 56 | 1 52 | 26 7 | 12 59 | 21 21 | 21 12 | 17 10 | 18 23 | 2 33 |
| S 29 | 16 35 | 1s59 | 4 46 | 22 3 | 0 17 | 12 19 | 8 7 | 18 37 | 4 31 | 23 14 | 0 1 | 12 45 | 2 9 | 12 19 | 0 29 | 6 55 | 1 52 | 26 8 | 13 0 | 21 19 | 21 12 | 17 8 | 18 23 | 2 33 |
| S 30 | 16 17 | 6 30 | 4 19 | 22 4 | 0 7 | 12 25 | 8 6 | 18 45 | 4 32 | 23 14 | 0 1 | 12 46 | 2 9 | 12 19 | 0 29 | 6 55 | 1 52 | 26 8 | 13 0 | 21 17 | 21 11 | 17 7 | 18 23 | 2 34 |
| M31 | 15s59 | 10s50 | 3s39 | 22s 4 | 0s 2 | 12s31 | 8n 5 | 18n53 | 4n32 | 23n14 | 0s 1 | 12n47 | 2s 8 | 12s19 | 0n29 | 6s55 | 1n52 | 26n 9 | 13n 0 | 21s16 | 21s10 | 17n 5 | 18s23 | 2n34 |

Julian Day Number = 2075350.5, Delta T = 26m58s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'07, Lahiri = 9°30'08 Julian Calendar 1 Jan. 970 == Greg. Calendar 6 Jan. 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## FEBRUARY 970 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 3 49 | 17♒29'31 | 1♏48 | 21♑24 | 28°R50 | 20°R32 | 20°R35 | 9♉48 | 3°R35 | 22°R 4 | 22°R58 | 5°R 4 | 4♐32 | 26♋14 | 3♐16 | T 1 |
| W 2 | 9 7 46 | 18°29'55 | 14°56 | 22°34 | 28♑31 | 20♌ 9 | 20♊33 | 9°51 | 3♏35 | 22♎ 4 | 22♌56 | 5°D 3 | 4°29 | 26°20 | 3°19 | W 2 |
| T 3 | 9 11 42 | 19°30'17 | 28°24 | 23°46 | 28°14 | 19°45 | 20°32 | 9°54 | 3°34 | 22° 3 | 22°55 | 5°R 3 | 4°26 | 26°27 | 3°23 | T 3 |
| F 4 | 9 15 39 | 20°30'38 | 12♐16 | 25° 0 | 28° 0 | 19°21 | 20°31 | 9°57 | 3°34 | 22° 2 | 22°53 | 5♐ 3 | 4°23 | 26°34 | 3°26 | F 4 |
| S 5 | 9 19 35 | 21°30'57 | 26°31 | 26°16 | 27°48 | 18°57 | 20°30 | 10° 0 | 3°34 | 22° 2 | 22°52 | 5° 2 | 4°20 | 26°41 | 3°30 | S 5 |
| S 6 | 9 23 32 | 22°31'15 | 11♑11 | 27°33 | 27°38 | 18°33 | 20°29 | 10° 4 | 3°34 | 22° 1 | 22°50 | 4°58 | 4°16 | 26°47 | 3°33 | S 6 |
| M 7 | 9 27 29 | 23°31'31 | 26° 9 | 28°52 | 27°31 | 18°10 | 20°29 | 10° 7 | 3°34 | 22° 1 | 22°49 | 4°51 | 4°13 | 26°54 | 3°36 | M 7 |
| T 8 | 9 31 25 | 24°31'46 | 11♒18 | 0♒12 | 27°27 | 17°46 | 20°28 | 10°11 | 3°33 | 22° 0 | 22°47 | 4°42 | 4°10 | 27° 1 | 3°39 | T 8 |
| W 9 | 9 35 22 | 25°31'58 | 26°29 | 1°34 | 27°D25 | 17°23 | 20°D28 | 10°15 | 3°33 | 21°59 | 22°46 | 4°31 | 4° 7 | 27° 7 | 3°42 | W 9 |
| T 10 | 9 39 18 | 26°32'09 | 11♓30 | 2°57 | 27°25 | 17° 0 | 20°28 | 10°19 | 3°33 | 21°59 | 22°44 | 4°19 | 4° 4 | 27°14 | 3°45 | T 10 |
| F 11 | 9 43 15 | 27°32'18 | 26°13 | 4°22 | 27°28 | 16°37 | 20°28 | 10°22 | 3°32 | 21°58 | 22°43 | 4° 8 | 4° 1 | 27°21 | 3°47 | F 11 |
| S 12 | 9 47 11 | 28°32'24 | 10♈30 | 5°47 | 27°33 | 16°14 | 20°29 | 10°26 | 3°31 | 21°57 | 22°41 | 3°59 | 3°57 | 27°27 | 3°50 | S 12 |
| S 13 | 9 51 8 | 29°32'29 | 24°17 | 7°15 | 27°41 | 15°52 | 20°29 | 10°31 | 3°31 | 21°56 | 22°39 | 3°53 | 3°54 | 27°34 | 3°52 | S 13 |
| M14 | 9 55 4 | 0♓32'32 | 7♉34 | 8°43 | 27°50 | 15°31 | 20°30 | 10°35 | 3°30 | 21°55 | 22°38 | 3°49 | 3°51 | 27°41 | 3°55 | M14 |
| T 15 | 9 59 1 | 1°32'32 | 20°24 | 10°12 | 28° 2 | 15° 9 | 20°31 | 10°39 | 3°30 | 21°54 | 22°36 | 3°48 | 3°48 | 27°47 | 3°57 | T 15 |
| W16 | 10 2 58 | 2°32'30 | 2♊52 | 11°43 | 28°16 | 14°49 | 20°33 | 10°43 | 3°29 | 21°54 | 22°35 | 3°48 | 3°45 | 27°54 | 3°59 | W16 |
| T 17 | 10 6 54 | 3°32'26 | 15° 2 | 13°15 | 28°32 | 14°28 | 20°34 | 10°48 | 3°28 | 21°53 | 22°33 | 3°48 | 3°42 | 28° 1 | 4° 2 | T 17 |
| F 18 | 10 10 51 | 4°32'19 | 27° 0 | 14°48 | 28°50 | 14° 9 | 20°36 | 10°52 | 3°27 | 21°52 | 22°32 | 3°46 | 3°38 | 28° 8 | 4° 4 | F 18 |
| S 19 | 10 14 47 | 5°32'11 | 8♋51 | 16°22 | 29° 9 | 13°49 | 20°37 | 10°57 | 3°26 | 21°51 | 22°30 | 3°43 | 3°35 | 28°14 | 4° 6 | S 19 |
| S 20 | 10 18 44 | 6°32'00 | 20°39 | 17°58 | 29°31 | 13°31 | 20°39 | 11° 2 | 3°25 | 21°50 | 22°29 | 3°37 | 3°32 | 28°21 | 4° 7 | S 20 |
| M21 | 10 22 40 | 7°31'47 | 2♌29 | 19°34 | 29°54 | 13°13 | 20°42 | 11° 6 | 3°24 | 21°49 | 22°27 | 3°28 | 3°29 | 28°28 | 4° 9 | M21 |
| T 22 | 10 26 37 | 8°31'32 | 14°24 | 21°12 | 0♒20 | 12°56 | 20°44 | 11°11 | 3°23 | 21°48 | 22°26 | 3°16 | 3°26 | 28°34 | 4°11 | T 22 |
| W23 | 10 30 33 | 9°31'14 | 26°26 | 22°51 | 0°46 | 12°39 | 20°47 | 11°16 | 3°22 | 21°46 | 22°24 | 3° 2 | 3°22 | 28°41 | 4°12 | W23 |
| T 24 | 10 34 30 | 10°30'55 | 8♍36 | 24°31 | 1°15 | 12°23 | 20°49 | 11°21 | 3°21 | 21°45 | 22°23 | 2°48 | 3°19 | 28°48 | 4°14 | T 24 |
| F 25 | 10 38 27 | 11°30'33 | 20°55 | 26°13 | 1°45 | 12° 8 | 20°52 | 11°26 | 3°20 | 21°44 | 22°22 | 2°34 | 3°16 | 28°54 | 4°15 | F 25 |
| S 26 | 10 42 23 | 12°30'09 | 3♎23 | 27°56 | 2°16 | 11°54 | 20°55 | 11°32 | 3°18 | 21°43 | 22°20 | 2°22 | 3°13 | 29° 1 | 4°17 | S 26 |
| S 27 | 10 46 20 | 13°29'44 | 16° 2 | 29°40 | 2°49 | 11°40 | 20°59 | 11°37 | 3°17 | 21°42 | 22°19 | 2°13 | 3°10 | 29° 8 | 4°18 | S 27 |
| M28 | 10 50 16 | 14♓29'16 | 28♎51 | 1♓25 | 3♒24 | 11♌27 | 21♊ 2 | 11♉42 | 3♏16 | 21♎41 | 22♌17 | 2♐ 6 | 3♐ 7 | 29♋15 | 4♐19 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s41 | 14s46 | 2s47 | 22s 3 | 0s11 | 12s38 | 8n 2 | 19n 1 | 4n32 | 23n14 | 0s 0 | 12n48 | 2s 8 | 12s19 | 0n29 | 6s55 | 1n52 | 26n10 | 13n 0 | 21s16 | 21s10 | 17n 3 | 18s24 | 2n35 |
| W 2 | 15 22 | 18 4 | 1 45 | 22 0 | 0 20 | 12 45 | 7 59 | 19 9 | 4 32 | 23 14 | 0 0 | 12 49 | 2 8 | 12 19 | 0 29 | 6 55 | 1 52 | 26 10 | 13 0 | 21 16 | 21 9 | 17 1 | 18 24 | 2 35 |
| T 3 | 15 3 | 20 29 | 0 35 | 21 57 | 0 29 | 12 52 | 7 55 | 19 16 | 4 32 | 23 14 | 0 0 | 12 51 | 2 8 | 12 19 | 0 29 | 6 54 | 1 52 | 26 11 | 13 0 | 21 16 | 21 9 | 17 0 | 18 24 | 2 36 |
| F 4 | 14 44 | 21 45 | 0n38 | 21 52 | 0 37 | 12 59 | 7 51 | 19 24 | 4 32 | 23 14 | 0n 0 | 12 52 | 2 7 | 12 19 | 0 29 | 6 54 | 1 52 | 26 11 | 13 0 | 21 16 | 21 8 | 16 58 | 18 24 | 2 36 |
| S 5 | 14 25 | 21 40 | 1 51 | 21 46 | 0 45 | 13 6 | 7 46 | 19 31 | 4 31 | 23 14 | 0 0 | 12 53 | 2 7 | 12 19 | 0 29 | 6 54 | 1 52 | 26 12 | 13 0 | 21 15 | 21 8 | 16 56 | 18 25 | 2 36 |
| S 6 | 14 5 | 20 8 | 2 59 | 21 38 | 0 53 | 13 13 | 7 40 | 19 38 | 4 31 | 23 14 | 0 0 | 12 55 | 2 7 | 12 19 | 0 29 | 6 53 | 1 52 | 26 13 | 13 0 | 21 15 | 21 7 | 16 54 | 18 25 | 2 37 |
| M 7 | 13 45 | 17 11 | 3 55 | 21 29 | 1 1 | 13 20 | 7 34 | 19 45 | 4 30 | 23 14 | 0 0 | 12 56 | 2 7 | 12 19 | 0 29 | 6 53 | 1 52 | 26 13 | 13 1 | 21 13 | 21 6 | 16 52 | 18 25 | 2 37 |
| T 8 | 13 25 | 13 3 | 4 36 | 21 19 | 1 8 | 13 28 | 7 28 | 19 52 | 4 30 | 23 14 | 0 1 | 12 57 | 2 6 | 12 19 | 0 29 | 6 53 | 1 52 | 26 14 | 13 1 | 21 12 | 21 6 | 16 51 | 18 25 | 2 38 |
| W 9 | 13 5 | 8 5 | 4 58 | 21 8 | 1 14 | 13 35 | 7 21 | 19 59 | 4 29 | 23 14 | 0 1 | 12 59 | 2 6 | 12 19 | 0 29 | 6 53 | 1 52 | 26 14 | 13 1 | 21 10 | 21 5 | 16 49 | 18 25 | 2 38 |
| T 10 | 12 44 | 2 41 | 4 58 | 20 55 | 1 21 | 13 42 | 7 14 | 20 5 | 4 28 | 23 14 | 0 1 | 13 0 | 2 6 | 12 19 | 0 29 | 6 52 | 1 52 | 26 15 | 13 1 | 21 7 | 21 5 | 16 47 | 18 25 | 2 39 |
| F 11 | 12 24 | 2n45 | 4 39 | 20 41 | 1 27 | 13 48 | 7 7 | 20 11 | 4 27 | 23 15 | 0 1 | 13 2 | 2 5 | 12 18 | 0 29 | 6 52 | 1 52 | 26 16 | 13 1 | 21 5 | 21 4 | 16 45 | 18 25 | 2 39 |
| S 12 | 12 3 | 7 53 | 4 2 | 20 25 | 1 33 | 13 55 | 6 59 | 20 17 | 4 26 | 23 15 | 0 1 | 13 3 | 2 5 | 12 18 | 0 29 | 6 52 | 1 52 | 26 16 | 13 1 | 21 4 | 21 3 | 16 43 | 18 25 | 2 40 |
| S 13 | 11 42 | 12 27 | 3 13 | 20 9 | 1 38 | 14 1 | 6 51 | 20 23 | 4 25 | 23 15 | 0 1 | 13 5 | 2 5 | 12 18 | 0 29 | 6 51 | 1 52 | 26 17 | 13 1 | 21 3 | 21 3 | 16 42 | 18 25 | 2 40 |
| M14 | 11 21 | 16 13 | 2 14 | 19 50 | 1 43 | 14 8 | 6 43 | 20 28 | 4 24 | 23 15 | 0 1 | 13 6 | 2 5 | 12 18 | 0 29 | 6 51 | 1 53 | 26 17 | 13 1 | 21 2 | 21 2 | 16 40 | 18 25 | 2 41 |
| T 15 | 10 59 | 19 5 | 1 10 | 19 31 | 1 48 | 14 14 | 6 34 | 20 33 | 4 22 | 23 15 | 0 1 | 13 8 | 2 4 | 12 18 | 0 29 | 6 50 | 1 53 | 26 18 | 13 1 | 21 2 | 21 2 | 16 38 | 18 25 | 2 41 |
| W16 | 10 38 | 20 56 | 0 5 | 19 10 | 1 52 | 14 19 | 6 26 | 20 38 | 4 21 | 23 15 | 0 2 | 13 9 | 2 4 | 12 17 | 0 29 | 6 50 | 1 53 | 26 18 | 13 1 | 21 2 | 21 1 | 16 36 | 18 25 | 2 41 |
| T 17 | 10 16 | 21 45 | 0s59 | 18 47 | 1 56 | 14 25 | 6 17 | 20 43 | 4 19 | 23 16 | 0 2 | 13 11 | 2 4 | 12 17 | 0 29 | 6 50 | 1 53 | 26 19 | 13 1 | 21 2 | 21 0 | 16 34 | 18 25 | 2 42 |
| F 18 | 9 54 | 21 33 | 1 59 | 18 23 | 1 59 | 14 30 | 6 8 | 20 47 | 4 18 | 23 16 | 0 2 | 13 13 | 2 4 | 12 17 | 0 29 | 6 49 | 1 53 | 26 19 | 13 1 | 21 1 | 21 0 | 16 33 | 18 25 | 2 42 |
| S 19 | 9 32 | 20 23 | 2 54 | 17 58 | 2 2 | 14 35 | 5 59 | 20 51 | 4 16 | 23 16 | 0 2 | 13 14 | 2 3 | 12 16 | 0 29 | 6 49 | 1 53 | 26 20 | 13 1 | 21 1 | 20 59 | 16 31 | 18 25 | 2 43 |
| S 20 | 9 10 | 18 20 | 3 41 | 17 31 | 2 5 | 14 39 | 5 50 | 20 55 | 4 14 | 23 16 | 0 2 | 13 16 | 2 3 | 12 16 | 0 29 | 6 48 | 1 53 | 26 20 | 13 1 | 20 59 | 20 59 | 16 29 | 18 25 | 2 43 |
| M21 | 8 48 | 15 32 | 4 18 | 17 3 | 2 7 | 14 43 | 5 41 | 20 58 | 4 13 | 23 17 | 0 2 | 13 18 | 2 3 | 12 16 | 0 29 | 6 48 | 1 53 | 26 21 | 13 1 | 20 58 | 20 58 | 16 27 | 18 25 | 2 44 |
| T 22 | 8 25 | 12 4 | 4 44 | 16 33 | 2 9 | 14 47 | 5 32 | 21 2 | 4 11 | 23 17 | 0 2 | 13 20 | 2 3 | 12 15 | 0 29 | 6 48 | 1 53 | 26 21 | 13 1 | 20 56 | 20 57 | 16 25 | 18 24 | 2 44 |
| W23 | 8 3 | 8 6 | 4 58 | 16 2 | 2 11 | 14 50 | 5 23 | 21 5 | 4 9 | 23 17 | 0 2 | 13 21 | 2 2 | 12 15 | 0 29 | 6 47 | 1 53 | 26 22 | 13 1 | 20 53 | 20 57 | 16 23 | 18 24 | 2 45 |
| T 24 | 7 40 | 3 47 | 4 58 | 15 29 | 2 12 | 14 53 | 5 14 | 21 7 | 4 7 | 23 18 | 0 3 | 13 23 | 2 2 | 12 14 | 0 29 | 6 47 | 1 53 | 26 22 | 13 1 | 20 50 | 20 56 | 16 22 | 18 24 | 2 45 |
| F 25 | 7 17 | 0s44 | 4 45 | 14 55 | 2 12 | 14 55 | 5 5 | 21 10 | 4 5 | 23 18 | 0 3 | 13 25 | 2 2 | 12 14 | 0 29 | 6 46 | 1 53 | 26 23 | 13 1 | 20 47 | 20 56 | 16 20 | 18 24 | 2 46 |
| S 26 | 6 54 | 5 17 | 4 18 | 14 20 | 2 12 | 14 58 | 4 56 | 21 12 | 4 3 | 23 18 | 0 3 | 13 27 | 2 2 | 12 14 | 0 29 | 6 46 | 1 53 | 26 23 | 13 1 | 20 45 | 20 55 | 16 18 | 18 24 | 2 46 |
| S 27 | 6 31 | 9 41 | 3 38 | 13 43 | 2 12 | 14 59 | 4 47 | 21 14 | 4 1 | 23 19 | 0 3 | 13 29 | 2 1 | 12 13 | 0 29 | 6 45 | 1 53 | 26 24 | 13 1 | 20 43 | 20 54 | 16 16 | 18 23 | 2 47 |
| M28 | 6s 8 | 13s42 | 2s46 | 13s 4 | 2s11 | 15s 0 | 4n37 | 21n15 | 3n58 | 23n19 | 0n 3 | 13n30 | 2s 1 | 12s13 | 0n29 | 6s45 | 1n53 | 26n24 | 13n 0 | 20s42 | 20s54 | 16n14 | 18s23 | 2n47 |

Julian Day Number = 2075381.5, Delta T = 26m58s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'12, Lahiri = 9°30'12 Julian Calendar 1 Feb. 970 == Greg. Calendar 6 Feb. 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## MARCH 970 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 54 13 | 15♓28'47 | 11♏52 | 3♓11 | 3♒59 | 11°R15 | 21♊ 6 | 11♉48 | 3°R14 | 21°R39 | 22°R16 | 2°R 2 | 3♐ 3 | 29♋21 | 4♐20 | T 1 |
| W 2 | 10 58 9 | 16°28'16 | 25° 6 | 4°59 | 4°36 | 11♌ 3 | 21°10 | 11°53 | 3♏13 | 21♎38 | 22♌14 | 2♐ 1 | 3° 0 | 29°28 | 4°21 | W 2 |
| T 3 | 11 2 6 | 17°27'43 | 8♐35 | 6°48 | 5°15 | 10°53 | 21°14 | 11°59 | 3°12 | 21°37 | 22°13 | 2°D 1 | 2°57 | 29°35 | 4°21 | T 3 |
| F 4 | 11 6 2 | 18°27'08 | 22°21 | 8°38 | 5°54 | 10°43 | 21°18 | 12° 4 | 3°10 | 21°36 | 22°12 | 2°R 1 | 2°54 | 29°41 | 4°22 | F 4 |
| S 5 | 11 9 59 | 19°26'32 | 6♑25 | 10°30 | 6°34 | 10°33 | 21°22 | 12°10 | 3° 9 | 21°34 | 22°10 | 2° 0 | 2°51 | 29°48 | 4°23 | S 5 |
| S 6 | 11 13 56 | 20°25'54 | 20°47 | 12°23 | 7°16 | 10°25 | 21°27 | 12°16 | 3° 7 | 21°33 | 22° 9 | 1°56 | 2°48 | 29°55 | 4°23 | S 6 |
| M 7 | 11 17 52 | 21°25'14 | 5♒23 | 14°17 | 7°59 | 10°17 | 21°31 | 12°22 | 3° 5 | 21°32 | 22° 8 | 1°51 | 2°44 | 0♌ 1 | 4°24 | M 7 |
| T 8 | 11 21 49 | 22°24'32 | 20°10 | 16°13 | 8°42 | 10°11 | 21°36 | 12°27 | 3° 4 | 21°30 | 22° 6 | 1°43 | 2°41 | 0° 8 | 4°24 | T 8 |
| W 9 | 11 25 45 | 23°23'48 | 5♓ 0 | 18° 9 | 9°27 | 10° 5 | 21°41 | 12°33 | 3° 2 | 21°29 | 22° 5 | 1°33 | 2°38 | 0°15 | 4°24 | W 9 |
| T 10 | 11 29 42 | 24°23'02 | 19°45 | 20° 8 | 10°12 | 9°59 | 21°47 | 12°39 | 3° 0 | 21°28 | 22° 4 | 1°22 | 2°35 | 0°22 | 4°R24 | T 10 |
| F 11 | 11 33 38 | 25°22'14 | 4♈16 | 22° 7 | 10°59 | 9°55 | 21°52 | 12°46 | 2°58 | 21°26 | 22° 3 | 1°12 | 2°32 | 0°28 | 4°24 | F 11 |
| S 12 | 11 37 35 | 26°21'24 | 18°26 | 24° 7 | 11°46 | 9°51 | 21°57 | 12°52 | 2°57 | 21°25 | 22° 1 | 1° 4 | 2°28 | 0°35 | 4°24 | S 12 |
| S 13 | 11 41 31 | 27°20'31 | 2♉12 | 26° 9 | 12°34 | 9°48 | 22° 3 | 12°58 | 2°55 | 21°23 | 22° 0 | 0°58 | 2°25 | 0°42 | 4°24 | S 13 |
| M14 | 11 45 28 | 28°19'37 | 15°31 | 28°11 | 13°22 | 9°46 | 22° 9 | 13° 4 | 2°53 | 21°22 | 21°59 | 0°55 | 2°22 | 0°48 | 4°23 | M14 |
| T 15 | 11 49 24 | 29°18'40 | 28°25 | 0♈14 | 14°12 | 9°45 | 22°15 | 13°11 | 2°51 | 21°20 | 21°58 | 0°D54 | 2°19 | 0°55 | 4°23 | T 15 |
| W16 | 11 53 21 | 0♈17'41 | 10♊57 | 2°18 | 15° 2 | 9°D44 | 22°21 | 13°17 | 2°49 | 21°19 | 21°57 | 0°54 | 2°16 | 1° 2 | 4°22 | W16 |
| T 17 | 11 57 18 | 1°16'39 | 23°10 | 4°23 | 15°53 | 9°45 | 22°28 | 13°23 | 2°47 | 21°17 | 21°56 | 0°55 | 2°13 | 1° 8 | 4°22 | T 17 |
| F 18 | 12 1 14 | 2°15'36 | 5♋11 | 6°28 | 16°45 | 9°46 | 22°34 | 13°30 | 2°45 | 21°16 | 21°54 | 0°R55 | 2° 9 | 1°15 | 4°21 | F 18 |
| S 19 | 12 5 11 | 3°14'30 | 17° 4 | 8°33 | 17°37 | 9°47 | 22°41 | 13°36 | 2°43 | 21°14 | 21°53 | 0°54 | 2° 6 | 1°22 | 4°20 | S 19 |
| S 20 | 12 9 7 | 4°13'21 | 28°54 | 10°38 | 18°30 | 9°50 | 22°47 | 13°43 | 2°41 | 21°13 | 21°52 | 0°51 | 2° 3 | 1°29 | 4°19 | S 20 |
| M21 | 12 13 4 | 5°12'10 | 10♌47 | 12°43 | 19°23 | 9°53 | 22°54 | 13°50 | 2°39 | 21°11 | 21°51 | 0°45 | 2° 0 | 1°35 | 4°18 | M21 |
| T 22 | 12 17 0 | 6°10'57 | 22°45 | 14°47 | 20°17 | 9°56 | 23° 1 | 13°56 | 2°36 | 21°10 | 21°50 | 0°38 | 1°57 | 1°42 | 4°17 | T 22 |
| W23 | 12 20 57 | 7° 9'42 | 4♍53 | 16°50 | 21°11 | 10° 1 | 23° 8 | 14° 3 | 2°34 | 21° 8 | 21°49 | 0°28 | 1°53 | 1°49 | 4°16 | W23 |
| T 24 | 12 24 53 | 8° 8'25 | 17°12 | 18°51 | 22° 6 | 10° 6 | 23°16 | 14°10 | 2°32 | 21° 6 | 21°48 | 0°19 | 1°50 | 1°55 | 4°15 | T 24 |
| F 25 | 12 28 50 | 9° 7'05 | 29°44 | 20°51 | 23° 2 | 10°12 | 23°23 | 14°17 | 2°30 | 21° 5 | 21°47 | 0° 9 | 1°47 | 2° 2 | 4°13 | F 25 |
| S 26 | 12 32 47 | 10° 5'43 | 12♎29 | 22°49 | 23°58 | 10°18 | 23°31 | 14°24 | 2°28 | 21° 3 | 21°46 | 0° 1 | 1°44 | 2° 9 | 4°12 | S 26 |
| S 27 | 12 36 43 | 11° 4'20 | 25°27 | 24°45 | 24°55 | 10°25 | 23°39 | 14°31 | 2°25 | 21° 2 | 21°45 | 29♏54 | 1°41 | 2°15 | 4°10 | S 27 |
| M28 | 12 40 40 | 12° 2'54 | 8♏37 | 26°38 | 25°52 | 10°33 | 23°46 | 14°38 | 2°23 | 21° 0 | 21°45 | 29°50 | 1°38 | 2°22 | 4° 9 | M28 |
| T 29 | 12 44 36 | 13° 1'27 | 21°59 | 28°27 | 26°49 | 10°41 | 23°54 | 14°45 | 2°21 | 20°58 | 21°44 | 29°48 | 1°34 | 2°29 | 4° 7 | T 29 |
| W30 | 12 48 33 | 13°59'58 | 5♐31 | 0♑14 | 27°47 | 10°50 | 24° 3 | 14°52 | 2°18 | 20°57 | 21°43 | 29°D48 | 1°31 | 2°36 | 4° 5 | W30 |
| T 31 | 12 52 29 | 14♈58'28 | 19♐14 | 1♑57 | 28♒45 | 10♌59 | 24♊11 | 14♉59 | 2♏16 | 20♎55 | 21♌42 | 29♏49 | 1♐28 | 2♌42 | 4♐ 3 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s45 | 17s 8 | 1s45 | 12s24 | 2s10 | 15s 1 | 4n28 | 21n17 | 3n56 | 23n19 | 0n 3 | 13n32 | 2s 1 | 12s12 | 0n29 | 6s44 | 1n53 | 26n24 | 13n 0 | 20s41 | 20s53 | 16n12 | 18s23 | 2n48 |
| W 2 | 5 22 | 19 44 | 0 37 | 11 43 | 2 8 | 15 1 | 4 19 | 21 18 | 3 54 | 23 20 | 0 3 | 13 34 | 2 1 | 12 12 | 0 29 | 6 44 | 1 53 | 26 25 | 13 0 | 20 41 | 20 52 | 16 11 | 18 22 | 2 48 |
| T 3 | 4 59 | 21 17 | 0n35 | 11 0 | 2 6 | 15 1 | 4 10 | 21 19 | 3 52 | 23 20 | 0 3 | 13 36 | 2 1 | 12 11 | 0 29 | 6 43 | 1 53 | 26 25 | 13 0 | 20 41 | 20 52 | 16 9 | 18 22 | 2 49 |
| F 4 | 4 35 | 21 35 | 1 46 | 10 16 | 2 3 | 15 0 | 4 1 | 21 19 | 3 49 | 23 20 | 0 3 | 13 38 | 2 0 | 12 11 | 0 29 | 6 43 | 1 53 | 26 26 | 13 0 | 20 41 | 20 51 | 16 7 | 18 22 | 2 49 |
| S 5 | 4 12 | 20 33 | 2 52 | 9 31 | 2 0 | 14 59 | 3 53 | 21 19 | 3 47 | 23 21 | 0 4 | 13 40 | 2 0 | 12 10 | 0 29 | 6 42 | 1 53 | 26 26 | 13 0 | 20 40 | 20 51 | 16 5 | 18 21 | 2 50 |
| S 6 | 3 49 | 18 12 | 3 48 | 8 44 | 1 56 | 14 57 | 3 44 | 21 20 | 3 45 | 23 21 | 0 4 | 13 42 | 2 0 | 12 10 | 0 29 | 6 42 | 1 53 | 26 26 | 13 0 | 20 40 | 20 50 | 16 3 | 18 21 | 2 50 |
| M 7 | 3 25 | 14 39 | 4 31 | 7 56 | 1 51 | 14 55 | 3 35 | 21 19 | 3 42 | 23 22 | 0 4 | 13 44 | 2 0 | 12 9 | 0 29 | 6 41 | 1 53 | 26 27 | 13 0 | 20 39 | 20 49 | 16 1 | 18 21 | 2 51 |
| T 8 | 3 2 | 10 9 | 4 56 | 7 6 | 1 47 | 14 52 | 3 26 | 21 19 | 3 40 | 23 22 | 0 4 | 13 46 | 1 59 | 12 8 | 0 29 | 6 41 | 1 54 | 26 27 | 13 0 | 20 37 | 20 49 | 15 59 | 18 20 | 2 51 |
| W 9 | 2 38 | 5 3 | 5 2 | 6 15 | 1 41 | 14 48 | 3 18 | 21 18 | 3 38 | 23 23 | 0 4 | 13 48 | 1 59 | 12 8 | 0 29 | 6 40 | 1 54 | 26 27 | 12 59 | 20 35 | 20 48 | 15 58 | 18 20 | 2 52 |
| T 10 | 2 15 | 0n19 | 4 47 | 5 23 | 1 35 | 14 45 | 3 9 | 21 17 | 3 35 | 23 23 | 0 4 | 13 50 | 1 59 | 12 7 | 0 29 | 6 39 | 1 54 | 26 28 | 12 59 | 20 33 | 20 47 | 15 56 | 18 19 | 2 52 |
| F 11 | 1 51 | 5 35 | 4 14 | 4 30 | 1 29 | 14 40 | 3 1 | 21 16 | 3 33 | 23 23 | 0 4 | 13 52 | 1 59 | 12 7 | 0 29 | 6 39 | 1 54 | 26 28 | 12 59 | 20 31 | 20 47 | 15 54 | 18 19 | 2 53 |
| S 12 | 1 27 | 10 26 | 3 26 | 3 36 | 1 22 | 14 35 | 2 53 | 21 15 | 3 30 | 23 24 | 0 4 | 13 54 | 1 59 | 12 6 | 0 29 | 6 38 | 1 54 | 26 28 | 12 59 | 20 29 | 20 46 | 15 52 | 18 18 | 2 53 |
| S 13 | 1 4 | 14 36 | 2 27 | 2 41 | 1 14 | 14 30 | 2 44 | 21 13 | 3 28 | 23 24 | 0 4 | 13 56 | 1 58 | 12 5 | 0 29 | 6 38 | 1 54 | 26 28 | 12 59 | 20 28 | 20 46 | 15 50 | 18 18 | 2 53 |
| M14 | 0 40 | 17 52 | 1 21 | 1 44 | 1 6 | 14 24 | 2 36 | 21 12 | 3 25 | 23 25 | 0 4 | 13 58 | 1 58 | 12 5 | 0 29 | 6 37 | 1 54 | 26 29 | 12 59 | 20 27 | 20 45 | 15 48 | 18 17 | 2 54 |
| T 15 | 0 17 | 20 8 | 0 13 | 0 47 | 0 58 | 14 18 | 2 28 | 21 10 | 3 23 | 23 25 | 0 5 | 14 0 | 1 58 | 12 4 | 0 29 | 6 37 | 1 54 | 26 29 | 12 59 | 20 27 | 20 44 | 15 46 | 18 17 | 2 54 |
| W16 | 0n 7 | 21 20 | 0s54 | 0n11 | 0 49 | 14 11 | 2 20 | 21 7 | 3 20 | 23 26 | 0 5 | 14 2 | 1 58 | 12 3 | 0 29 | 6 36 | 1 54 | 26 29 | 12 58 | 20 27 | 20 44 | 15 44 | 18 16 | 2 55 |
| T 17 | 0 31 | 21 28 | 1 56 | 1 9 | 0 39 | 14 3 | 2 12 | 21 5 | 3 18 | 23 26 | 0 5 | 14 4 | 1 58 | 12 3 | 0 29 | 6 35 | 1 54 | 26 29 | 12 58 | 20 27 | 20 43 | 15 43 | 18 16 | 2 55 |
| F 18 | 0 54 | 20 36 | 2 53 | 2 8 | 0 29 | 13 55 | 2 5 | 21 2 | 3 16 | 23 27 | 0 5 | 14 7 | 1 57 | 12 2 | 0 30 | 6 35 | 1 54 | 26 30 | 12 58 | 20 27 | 20 42 | 15 41 | 18 15 | 2 56 |
| S 19 | 1 18 | 18 49 | 3 41 | 3 7 | 0 19 | 13 47 | 1 57 | 21 0 | 3 13 | 23 27 | 0 5 | 14 9 | 1 57 | 12 1 | 0 30 | 6 34 | 1 54 | 26 30 | 12 58 | 20 27 | 20 42 | 15 39 | 18 14 | 2 56 |
| S 20 | 1 41 | 16 15 | 4 20 | 4 6 | 0 8 | 13 38 | 1 50 | 20 57 | 3 11 | 23 28 | 0 5 | 14 11 | 1 57 | 12 0 | 0 30 | 6 34 | 1 54 | 26 30 | 12 58 | 20 26 | 20 41 | 15 37 | 18 14 | 2 57 |
| M21 | 2 5 | 13 1 | 4 47 | 5 5 | 0n 3 | 13 28 | 1 42 | 20 54 | 3 8 | 23 28 | 0 5 | 14 13 | 1 57 | 12 0 | 0 30 | 6 33 | 1 54 | 26 30 | 12 57 | 20 25 | 20 41 | 15 35 | 18 13 | 2 57 |
| T 22 | 2 28 | 9 14 | 5 3 | 6 4 | 0 14 | 13 18 | 1 35 | 20 50 | 3 6 | 23 28 | 0 5 | 14 15 | 1 57 | 11 59 | 0 30 | 6 32 | 1 54 | 26 30 | 12 57 | 20 24 | 20 40 | 15 33 | 18 12 | 2 58 |
| W23 | 2 51 | 5 3 | 5 5 | 7 2 | 0 25 | 13 8 | 1 28 | 20 47 | 3 4 | 23 29 | 0 5 | 14 17 | 1 57 | 11 58 | 0 30 | 6 32 | 1 54 | 26 30 | 12 57 | 20 22 | 20 39 | 15 31 | 18 12 | 2 58 |
| T 24 | 3 15 | 0 36 | 4 53 | 7 59 | 0 36 | 12 57 | 1 21 | 20 43 | 3 1 | 23 29 | 0 6 | 14 20 | 1 56 | 11 57 | 0 30 | 6 31 | 1 54 | 26 31 | 12 57 | 20 20 | 20 39 | 15 29 | 18 11 | 2 59 |
| F 25 | 3 38 | 3s58 | 4 26 | 8 55 | 0 47 | 12 45 | 1 14 | 20 39 | 2 59 | 23 30 | 0 6 | 14 22 | 1 56 | 11 57 | 0 30 | 6 31 | 1 54 | 26 31 | 12 57 | 20 18 | 20 38 | 15 27 | 18 10 | 2 59 |
| S 26 | 4 1 | 8 26 | 3 46 | 9 50 | 0 59 | 12 33 | 1 7 | 20 35 | 2 57 | 23 30 | 0 6 | 14 24 | 1 56 | 11 56 | 0 30 | 6 30 | 1 54 | 26 31 | 12 56 | 20 16 | 20 37 | 15 26 | 18 10 | 3 0 |
| S 27 | 4 24 | 12 36 | 2 54 | 10 43 | 1 10 | 12 21 | 1 0 | 20 31 | 2 54 | 23 31 | 0 6 | 14 26 | 1 56 | 11 55 | 0 30 | 6 29 | 1 54 | 26 31 | 12 56 | 20 15 | 20 37 | 15 24 | 18 9 | 3 0 |
| M28 | 4 47 | 16 13 | 1 52 | 11 34 | 1 20 | 12 8 | 0 53 | 20 27 | 2 52 | 23 31 | 0 6 | 14 28 | 1 56 | 11 54 | 0 30 | 6 29 | 1 54 | 26 31 | 12 56 | 20 14 | 20 36 | 15 22 | 18 8 | 3 1 |
| T 29 | 5 10 | 19 2 | 0 42 | 12 24 | 1 31 | 11 55 | 0 47 | 20 22 | 2 50 | 23 32 | 0 6 | 14 30 | 1 56 | 11 53 | 0 30 | 6 28 | 1 54 | 26 31 | 12 56 | 20 13 | 20 35 | 15 20 | 18 7 | 3 1 |
| W30 | 5 33 | 20 50 | 0n31 | 13 11 | 1 41 | 11 41 | 0 40 | 20 18 | 2 47 | 23 32 | 0 6 | 14 33 | 1 55 | 11 53 | 0 30 | 6 28 | 1 54 | 26 31 | 12 55 | 20 13 | 20 35 | 15 18 | 18 7 | 3 2 |
| T 31 | 5n56 | 21s25 | 1n43 | 13n57 | 1n50 | 11s26 | 0n34 | 20n13 | 2n45 | 23n33 | 0n 6 | 14n35 | 1s55 | 11s52 | 0n30 | 6s27 | 1n54 | 26n31 | 12n55 | 20s13 | 20s34 | 15n16 | 18s 6 | 3n 2 |

Julian Day Number = 2075409.5, Delta T = 26m58s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'15, Lahiri = 9°30'16 Julian Calendar 1 March 970 == Greg. Calendar 6 March 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## APRIL 970 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 56 26 | 15♈56'55 | 3♉ 8 | 3♉36 | 29♒44 | 11♌ 9 | 24♊19 | 15♉ 6 | 2°R14 | 20°R54 | 21°R41 | 29♏50 | 1♐25 | 2♌49 | 4°R 1 | F 1 |
| S 2 | 13 0 22 | 16°55'21 | 17°11 | 5°12 | 0♓43 | 11°20 | 24°28 | 15°13 | 2♏11 | 20♎52 | 21♌40 | 29°R51 | 1°22 | 2°56 | 3♐59 | S 2 |
| S 3 | 13 4 19 | 17°53'46 | 1♒23 | 6°43 | 1°42 | 11°31 | 24°36 | 15°20 | 2° 9 | 20°50 | 21°40 | 29°50 | 1°19 | 3° 2 | 3°57 | S 3 |
| M 4 | 13 8 16 | 18°52'09 | 15°43 | 8°10 | 2°42 | 11°43 | 24°45 | 15°28 | 2° 6 | 20°49 | 21°39 | 29°47 | 1°15 | 3° 9 | 3°55 | M 4 |
| T 5 | 13 12 12 | 19°50'30 | 0♓ 6 | 9°32 | 3°42 | 11°55 | 24°54 | 15°35 | 2° 4 | 20°47 | 21°38 | 29°43 | 1°12 | 3°16 | 3°53 | T 5 |
| W 6 | 13 16 9 | 20°48'50 | 14°29 | 10°50 | 4°43 | 12° 8 | 25° 3 | 15°42 | 2° 1 | 20°45 | 21°38 | 29°38 | 1° 9 | 3°23 | 3°50 | W 6 |
| T 7 | 13 20 5 | 21°47'08 | 28°46 | 12° 3 | 5°44 | 12°22 | 25°12 | 15°50 | 1°59 | 20°44 | 21°37 | 29°32 | 1° 6 | 3°29 | 3°48 | T 7 |
| F 8 | 13 24 2 | 22°45'24 | 12♈52 | 13°12 | 6°45 | 12°35 | 25°21 | 15°57 | 1°56 | 20°42 | 21°36 | 29°26 | 1° 3 | 3°36 | 3°45 | F 8 |
| S 9 | 13 27 58 | 23°43'38 | 26°43 | 14°15 | 7°46 | 12°50 | 25°30 | 16° 4 | 1°54 | 20°40 | 21°36 | 29°22 | 0°59 | 3°43 | 3°43 | S 9 |
| S 10 | 13 31 55 | 24°41'51 | 10♉15 | 15°14 | 8°48 | 13° 5 | 25°40 | 16°12 | 1°52 | 20°39 | 21°35 | 29°18 | 0°56 | 3°49 | 3°40 | S 10 |
| M11 | 13 35 51 | 25°40'02 | 23°26 | 16° 8 | 9°50 | 13°20 | 25°49 | 16°19 | 1°49 | 20°37 | 21°35 | 29°D17 | 0°53 | 3°56 | 3°37 | M11 |
| T 12 | 13 39 48 | 26°38'11 | 6♊16 | 16°57 | 10°52 | 13°36 | 25°59 | 16°27 | 1°46 | 20°36 | 21°34 | 29°17 | 0°50 | 4° 3 | 3°34 | T 12 |
| W13 | 13 43 44 | 27°36'18 | 18°47 | 17°40 | 11°55 | 13°52 | 26° 9 | 16°34 | 1°44 | 20°34 | 21°34 | 29°18 | 0°47 | 4° 9 | 3°31 | W13 |
| T 14 | 13 47 41 | 28°34'23 | 1♋ 2 | 18°19 | 12°57 | 14° 9 | 26°18 | 16°42 | 1°41 | 20°32 | 21°34 | 29°20 | 0°44 | 4°16 | 3°28 | T 14 |
| F 15 | 13 51 38 | 29°32'26 | 13° 5 | 18°52 | 14° 0 | 14°26 | 26°28 | 16°50 | 1°39 | 20°31 | 21°33 | 29°21 | 0°40 | 4°23 | 3°25 | F 15 |
| S 16 | 13 55 34 | 0♉30'28 | 25° 0 | 19°20 | 15° 4 | 14°44 | 26°38 | 16°57 | 1°36 | 20°29 | 21°33 | 29°R22 | 0°37 | 4°30 | 3°22 | S 16 |
| S 17 | 13 59 31 | 1°28'27 | 6♌52 | 19°43 | 16° 7 | 15° 2 | 26°49 | 17° 5 | 1°34 | 20°27 | 21°32 | 29°22 | 0°34 | 4°36 | 3°19 | S 17 |
| M18 | 14 3 27 | 2°26'25 | 18°46 | 20° 1 | 17°11 | 15°20 | 26°59 | 17°12 | 1°31 | 20°26 | 21°32 | 29°21 | 0°31 | 4°43 | 3°16 | M18 |
| T 19 | 14 7 24 | 3°24'20 | 0♍47 | 20°13 | 18°15 | 15°39 | 27° 9 | 17°20 | 1°29 | 20°24 | 21°32 | 29°19 | 0°28 | 4°50 | 3°12 | T 19 |
| W20 | 14 11 20 | 4°22'14 | 12°58 | 20°20 | 19°19 | 15°58 | 27°19 | 17°28 | 1°26 | 20°23 | 21°32 | 29°16 | 0°25 | 4°56 | 3° 9 | W20 |
| T 21 | 14 15 17 | 5°20'06 | 25°23 | 20°R22 | 20°23 | 16°18 | 27°30 | 17°35 | 1°24 | 20°21 | 21°31 | 29°12 | 0°21 | 5° 3 | 3° 6 | T 21 |
| F 22 | 14 19 13 | 6°17'56 | 8♎ 5 | 20°19 | 21°28 | 16°38 | 27°41 | 17°43 | 1°21 | 20°20 | 21°31 | 29° 8 | 0°18 | 5°10 | 3° 2 | F 22 |
| S 23 | 14 23 10 | 7°15'45 | 21° 3 | 20°12 | 22°32 | 16°58 | 27°51 | 17°51 | 1°19 | 20°18 | 21°31 | 29° 5 | 0°15 | 5°17 | 2°59 | S 23 |
| S 24 | 14 27 7 | 8°13'32 | 4♏20 | 20° 0 | 23°37 | 17°19 | 28° 2 | 17°59 | 1°16 | 20°16 | 21°31 | 29° 3 | 0°12 | 5°23 | 2°55 | S 24 |
| M25 | 14 31 3 | 9°11'17 | 17°52 | 19°43 | 24°42 | 17°40 | 28°13 | 18° 6 | 1°14 | 20°15 | 21°31 | 29° 2 | 0° 9 | 5°30 | 2°51 | M25 |
| T 26 | 14 35 0 | 10° 9'01 | 1♐39 | 19°23 | 25°47 | 18° 2 | 28°24 | 18°14 | 1°11 | 20°13 | 21°31 | 29°D 1 | 0° 5 | 5°37 | 2°48 | T 26 |
| W27 | 14 38 56 | 11° 6'44 | 15°38 | 18°59 | 26°53 | 18°23 | 28°35 | 18°22 | 1° 9 | 20°12 | 21°31 | 29° 2 | 0° 2 | 5°43 | 2°44 | W27 |
| T 28 | 14 42 53 | 12° 4'26 | 29°45 | 18°32 | 27°58 | 18°46 | 28°46 | 18°30 | 1° 6 | 20°10 | 21°D31 | 29° 3 | 29♏59 | 5°50 | 2°40 | T 28 |
| F 29 | 14 46 49 | 13° 2'07 | 13♑57 | 18° 3 | 29° 4 | 19° 8 | 28°57 | 18°37 | 1° 4 | 20° 9 | 21°31 | 29° 4 | 29°56 | 5°57 | 2°37 | F 29 |
| S 30 | 14 50 46 | 13♉59'46 | 28♑12 | 17♉31 | 0♈10 | 19♌31 | 29♊ 8 | 18♉45 | 1♏ 1 | 20♎ 7 | 21♌31 | 29♏ 5 | 29♏53 | 6♌ 4 | 2♐33 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n19 | 20s42 | 2n50 | 14n39 | 1n59 | 11s12 | 0n28 | 20n 8 | 2n43 | 23n33 | 0n 6 | 14n37 | 1s55 | 11s51 | 0n30 | 6s26 | 1n54 | 26n31 | 12n55 | 20s14 | 20s33 | 15n14 | 18s 5 | 3n 2 |
| S 2 | 6 41 | 18 41 | 3 48 | 15 20 | 2 8 | 10 56 | 0 22 | 20 3 | 2 41 | 23 34 | 0 6 | 14 39 | 1 55 | 11 50 | 0 30 | 6 26 | 1 54 | 26 31 | 12 55 | 20 14 | 20 33 | 15 12 | 18 4 | 3 3 |
| S 3 | 7 4 | 15 32 | 4 33 | 15 58 | 2 16 | 10 41 | 0 16 | 19 57 | 2 38 | 23 34 | 0 6 | 14 42 | 1 55 | 11 49 | 0 30 | 6 25 | 1 54 | 26 31 | 12 54 | 20 14 | 20 32 | 15 10 | 18 3 | 3 3 |
| M 4 | 7 26 | 11 26 | 5 1 | 16 33 | 2 23 | 10 25 | 0 10 | 19 52 | 2 36 | 23 35 | 0 7 | 14 44 | 1 55 | 11 49 | 0 30 | 6 24 | 1 54 | 26 31 | 12 54 | 20 13 | 20 32 | 15 8 | 18 2 | 3 4 |
| T 5 | 7 48 | 6 40 | 5 10 | 17 6 | 2 29 | 10 8 | 0 4 | 19 46 | 2 34 | 23 35 | 0 7 | 14 46 | 1 55 | 11 48 | 0 30 | 6 24 | 1 54 | 26 31 | 12 54 | 20 12 | 20 31 | 15 6 | 18 2 | 3 4 |
| W 6 | 8 10 | 1 32 | 5 0 | 17 36 | 2 34 | 9 51 | 0s 1 | 19 41 | 2 32 | 23 35 | 0 7 | 14 48 | 1 54 | 11 47 | 0 30 | 6 23 | 1 54 | 26 31 | 12 54 | 20 11 | 20 30 | 15 5 | 18 1 | 3 5 |
| T 7 | 8 32 | 3n38 | 4 31 | 18 3 | 2 39 | 9 34 | 0 7 | 19 35 | 2 30 | 23 36 | 0 7 | 14 51 | 1 54 | 11 46 | 0 30 | 6 23 | 1 54 | 26 31 | 12 53 | 20 10 | 20 30 | 15 3 | 18 0 | 3 5 |
| F 8 | 8 54 | 8 34 | 3 46 | 18 28 | 2 42 | 9 16 | 0 12 | 19 29 | 2 28 | 23 36 | 0 7 | 14 53 | 1 54 | 11 45 | 0 30 | 6 22 | 1 54 | 26 31 | 12 53 | 20 8 | 20 29 | 15 1 | 17 59 | 3 5 |
| S 9 | 9 16 | 12 58 | 2 48 | 18 49 | 2 45 | 8 58 | 0 17 | 19 23 | 2 26 | 23 37 | 0 7 | 14 55 | 1 54 | 11 44 | 0 30 | 6 21 | 1 54 | 26 31 | 12 53 | 20 7 | 20 28 | 14 59 | 17 58 | 3 6 |
| S 10 | 9 37 | 16 35 | 1 42 | 19 9 | 2 46 | 8 40 | 0 22 | 19 17 | 2 24 | 23 37 | 0 7 | 14 57 | 1 54 | 11 43 | 0 30 | 6 21 | 1 54 | 26 31 | 12 53 | 20 7 | 20 28 | 14 57 | 17 57 | 3 6 |
| M11 | 9 58 | 19 15 | 0 32 | 19 25 | 2 47 | 8 21 | 0 27 | 19 10 | 2 22 | 23 38 | 0 7 | 15 0 | 1 54 | 11 43 | 0 30 | 6 20 | 1 54 | 26 31 | 12 52 | 20 6 | 20 27 | 14 55 | 17 56 | 3 7 |
| T 12 | 10 20 | 20 51 | 0s38 | 19 39 | 2 47 | 8 2 | 0 32 | 19 4 | 2 20 | 23 38 | 0 7 | 15 2 | 1 54 | 11 42 | 0 30 | 6 19 | 1 54 | 26 31 | 12 52 | 20 6 | 20 26 | 14 53 | 17 55 | 3 7 |
| W13 | 10 41 | 21 21 | 1 45 | 19 50 | 2 45 | 7 42 | 0 37 | 18 57 | 2 18 | 23 38 | 0 7 | 15 4 | 1 54 | 11 41 | 0 30 | 6 19 | 1 54 | 26 31 | 12 52 | 20 7 | 20 26 | 14 51 | 17 54 | 3 8 |
| T 14 | 11 2 | 20 49 | 2 45 | 19 59 | 2 43 | 7 22 | 0 42 | 18 50 | 2 16 | 23 39 | 0 7 | 15 6 | 1 54 | 11 40 | 0 30 | 6 18 | 1 54 | 26 30 | 12 51 | 20 7 | 20 25 | 14 49 | 17 53 | 3 8 |
| F 15 | 11 22 | 19 19 | 3 37 | 20 4 | 2 39 | 7 2 | 0 46 | 18 43 | 2 14 | 23 39 | 0 8 | 15 9 | 1 53 | 11 39 | 0 30 | 6 18 | 1 54 | 26 30 | 12 51 | 20 7 | 20 24 | 14 47 | 17 52 | 3 8 |
| S 16 | 11 43 | 17 0 | 4 19 | 20 8 | 2 34 | 6 42 | 0 50 | 18 36 | 2 12 | 23 39 | 0 8 | 15 11 | 1 53 | 11 38 | 0 29 | 6 17 | 1 54 | 26 30 | 12 51 | 20 8 | 20 24 | 14 45 | 17 51 | 3 9 |
| S 17 | 12 3 | 13 59 | 4 50 | 20 8 | 2 28 | 6 21 | 0 55 | 18 29 | 2 10 | 23 40 | 0 8 | 15 13 | 1 53 | 11 37 | 0 29 | 6 16 | 1 54 | 26 30 | 12 50 | 20 8 | 20 23 | 14 43 | 17 50 | 3 9 |
| M18 | 12 23 | 10 24 | 5 8 | 20 6 | 2 21 | 6 0 | 0 59 | 18 22 | 2 8 | 23 40 | 0 8 | 15 15 | 1 53 | 11 36 | 0 29 | 6 16 | 1 54 | 26 30 | 12 50 | 20 7 | 20 22 | 14 41 | 17 49 | 3 10 |
| T 19 | 12 43 | 6 22 | 5 14 | 20 2 | 2 13 | 5 38 | 1 3 | 18 14 | 2 6 | 23 40 | 0 8 | 15 18 | 1 53 | 11 36 | 0 29 | 6 15 | 1 54 | 26 30 | 12 50 | 20 7 | 20 22 | 14 39 | 17 48 | 3 10 |
| W20 | 13 3 | 2 2 | 5 5 | 19 54 | 2 3 | 5 17 | 1 7 | 18 7 | 2 4 | 23 41 | 0 8 | 15 20 | 1 53 | 11 35 | 0 29 | 6 15 | 1 54 | 26 29 | 12 50 | 20 6 | 20 21 | 14 37 | 17 47 | 3 10 |
| T 21 | 13 22 | 2s28 | 4 42 | 19 45 | 1 53 | 4 55 | 1 11 | 17 59 | 2 2 | 23 41 | 0 8 | 15 22 | 1 53 | 11 34 | 0 29 | 6 14 | 1 54 | 26 29 | 12 49 | 20 5 | 20 20 | 14 35 | 17 46 | 3 11 |
| F 22 | 13 42 | 6 58 | 4 5 | 19 33 | 1 41 | 4 32 | 1 14 | 17 51 | 2 0 | 23 41 | 0 8 | 15 24 | 1 53 | 11 33 | 0 29 | 6 14 | 1 54 | 26 29 | 12 49 | 20 5 | 20 20 | 14 33 | 17 45 | 3 11 |
| S 23 | 14 1 | 11 15 | 3 14 | 19 19 | 1 29 | 4 10 | 1 18 | 17 43 | 1 59 | 23 42 | 0 8 | 15 27 | 1 53 | 11 32 | 0 29 | 6 13 | 1 54 | 26 29 | 12 49 | 20 4 | 20 19 | 14 32 | 17 44 | 3 11 |
| S 24 | 14 20 | 15 6 | 2 12 | 19 2 | 1 15 | 3 47 | 1 21 | 17 35 | 1 57 | 23 42 | 0 8 | 15 29 | 1 53 | 11 31 | 0 29 | 6 12 | 1 54 | 26 29 | 12 48 | 20 3 | 20 18 | 14 30 | 17 43 | 3 12 |
| M25 | 14 38 | 18 14 | 1 1 | 18 44 | 1 1 | 3 24 | 1 24 | 17 27 | 1 55 | 23 42 | 0 8 | 15 31 | 1 52 | 11 30 | 0 29 | 6 12 | 1 54 | 26 28 | 12 48 | 20 3 | 20 18 | 14 28 | 17 42 | 3 12 |
| T 26 | 14 57 | 20 22 | 0n15 | 18 24 | 0 45 | 3 1 | 1 28 | 17 18 | 1 53 | 23 42 | 0 9 | 15 33 | 1 52 | 11 30 | 0 29 | 6 11 | 1 54 | 26 28 | 12 48 | 20 3 | 20 17 | 14 26 | 17 41 | 3 12 |
| W27 | 15 15 | 21 18 | 1 30 | 18 2 | 0 29 | 2 38 | 1 31 | 17 10 | 1 52 | 23 42 | 0 9 | 15 35 | 1 52 | 11 29 | 0 29 | 6 11 | 1 54 | 26 28 | 12 47 | 20 3 | 20 16 | 14 24 | 17 40 | 3 13 |
| T 28 | 15 33 | 20 53 | 2 42 | 17 39 | 0 13 | 2 14 | 1 34 | 17 1 | 1 50 | 23 43 | 0 9 | 15 38 | 1 52 | 11 28 | 0 29 | 6 10 | 1 54 | 26 27 | 12 47 | 20 3 | 20 16 | 14 22 | 17 39 | 3 13 |
| F 29 | 15 50 | 19 8 | 3 43 | 17 14 | 0s 4 | 1 51 | 1 36 | 16 53 | 1 48 | 23 43 | 0 9 | 15 40 | 1 52 | 11 27 | 0 29 | 6 10 | 1 54 | 26 27 | 12 47 | 20 4 | 20 15 | 14 20 | 17 38 | 3 13 |
| S 30 | 16n 8 | 16s12 | 4n31 | 16n49 | 0s22 | 1s27 | 1s39 | 16n44 | 1n46 | 23n43 | 0n 9 | 15n42 | 1s52 | 11s26 | 0n29 | 6s 9 | 1n54 | 26n27 | 12n46 | 20s 4 | 20s14 | 14n18 | 17s37 | 3n14 |

Julian Day Number = 2075440.5, Delta T = 26m57s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'20, Lahiri = 9°30'20 Julian Calendar 1 Apr. 970 == Greg. Calendar 6 Apr. 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## MAY 970 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 54 42 | 14♉57'25 | 12♒27 | 16°R58 | 1♈16 | 19♌54 | 29♊19 | 18♉53 | 0°R59 | 20°R 6 | 21♌31 | 29°R 5 | 29♏50 | 6♌10 | 2°R29 | S 1 |
| M 2 | 14 58 39 | 15°55'02 | 26°39 | 16♉24 | 2°22 | 20°17 | 29°31 | 19° 1 | 0♏57 | 20♎ 5 | 21°31 | 29♏ 5 | 29°46 | 6°17 | 2♐25 | M 2 |
| T 3 | 15 2 36 | 16°52'38 | 10♓46 | 15°50 | 3°29 | 20°41 | 29°42 | 19° 9 | 0°54 | 20° 3 | 21°31 | 29° 4 | 29°43 | 6°24 | 2°21 | T 3 |
| W 4 | 15 6 32 | 17°50'14 | 24°46 | 15°16 | 4°35 | 21° 5 | 29°54 | 19°16 | 0°52 | 20° 2 | 21°31 | 29° 3 | 29°40 | 6°30 | 2°17 | W 4 |
| T 5 | 15 10 29 | 18°47'48 | 8♈36 | 14°43 | 5°42 | 21°29 | 0♋ 5 | 19°24 | 0°49 | 20° 0 | 21°31 | 29° 2 | 29°37 | 6°37 | 2°13 | T 5 |
| F 6 | 15 14 25 | 19°45'22 | 22°14 | 14°11 | 6°49 | 21°54 | 0°17 | 19°32 | 0°47 | 19°59 | 21°32 | 29° 1 | 29°34 | 6°44 | 2° 9 | F 6 |
| S 7 | 15 18 22 | 20°42'54 | 5♉39 | 13°41 | 7°56 | 22°19 | 0°29 | 19°40 | 0°45 | 19°58 | 21°32 | 29° 0 | 29°30 | 6°51 | 2° 5 | S 7 |
| S 8 | 15 22 18 | 21°40'25 | 18°49 | 13°13 | 9° 3 | 22°44 | 0°41 | 19°48 | 0°42 | 19°56 | 21°32 | 28°59 | 29°27 | 6°57 | 2° 1 | S 8 |
| M 9 | 15 26 15 | 22°37'56 | 1♊43 | 12°49 | 10°10 | 23°10 | 0°52 | 19°56 | 0°40 | 19°55 | 21°32 | 28°D59 | 29°24 | 7° 4 | 1°57 | M 9 |
| T 10 | 15 30 11 | 23°35'25 | 14°22 | 12°27 | 11°17 | 23°35 | 1° 4 | 20° 3 | 0°38 | 19°54 | 21°33 | 29° 0 | 29°21 | 7°11 | 1°53 | T 10 |
| W11 | 15 34 8 | 24°32'53 | 26°47 | 12° 9 | 12°25 | 24° 1 | 1°16 | 20°11 | 0°36 | 19°52 | 21°33 | 29° 0 | 29°18 | 7°17 | 1°48 | W11 |
| T 12 | 15 38 5 | 25°30'20 | 8♋58 | 11°55 | 13°32 | 24°28 | 1°28 | 20°19 | 0°33 | 19°51 | 21°34 | 29° 0 | 29°15 | 7°24 | 1°44 | T 12 |
| F 13 | 15 42 1 | 26°27'46 | 21° 0 | 11°45 | 14°40 | 24°54 | 1°40 | 20°27 | 0°31 | 19°50 | 21°34 | 29° 1 | 29°11 | 7°31 | 1°40 | F 13 |
| S 14 | 15 45 58 | 27°25'11 | 2♌55 | 11°40 | 15°48 | 25°21 | 1°53 | 20°35 | 0°29 | 19°49 | 21°35 | 29° 1 | 29° 8 | 7°38 | 1°36 | S 14 |
| S 15 | 15 49 54 | 28°22'34 | 14°47 | 11°D38 | 16°55 | 25°48 | 2° 5 | 20°42 | 0°27 | 19°47 | 21°35 | 29° 1 | 29° 5 | 7°44 | 1°32 | S 15 |
| M16 | 15 53 51 | 29°19'56 | 26°42 | 11°42 | 18° 3 | 26°15 | 2°17 | 20°50 | 0°25 | 19°46 | 21°36 | 29° 1 | 29° 2 | 7°51 | 1°27 | M16 |
| T 17 | 15 57 47 | 0♊17'17 | 8♍42 | 11°49 | 19°11 | 26°42 | 2°29 | 20°58 | 0°23 | 19°45 | 21°36 | 29° 1 | 28°59 | 7°58 | 1°23 | T 17 |
| W18 | 16 1 44 | 1°14'37 | 20°54 | 12° 1 | 20°20 | 27°10 | 2°42 | 21° 6 | 0°21 | 19°44 | 21°37 | 29° 1 | 28°56 | 8° 4 | 1°19 | W18 |
| T 19 | 16 5 40 | 2°11'56 | 3♎20 | 12°18 | 21°28 | 27°38 | 2°54 | 21°13 | 0°19 | 19°43 | 21°37 | 29° 1 | 28°52 | 8°11 | 1°15 | T 19 |
| F 20 | 16 9 37 | 3° 9'14 | 16° 5 | 12°39 | 22°36 | 28° 6 | 3° 6 | 21°21 | 0°17 | 19°42 | 21°38 | 29° 2 | 28°49 | 8°18 | 1°11 | F 20 |
| S 21 | 16 13 34 | 4° 6'31 | 29°11 | 13° 5 | 23°45 | 28°35 | 3°19 | 21°29 | 0°15 | 19°41 | 21°39 | 29° 2 | 28°46 | 8°25 | 1° 7 | S 21 |
| S 22 | 16 17 30 | 5° 3'47 | 12♏39 | 13°34 | 24°53 | 29° 3 | 3°32 | 21°36 | 0°13 | 19°40 | 21°39 | 29° 3 | 28°43 | 8°31 | 1° 2 | S 22 |
| M23 | 16 21 27 | 6° 1'02 | 26°30 | 14° 8 | 26° 2 | 29°32 | 3°44 | 21°44 | 0°11 | 19°39 | 21°40 | 29°R 3 | 28°40 | 8°38 | 0°58 | M23 |
| T 24 | 16 25 23 | 6°58'17 | 10♐39 | 14°47 | 27°10 | 0♍ 1 | 3°57 | 21°52 | 0° 9 | 19°38 | 21°41 | 29° 3 | 28°36 | 8°45 | 0°54 | T 24 |
| W25 | 16 29 20 | 7°55'31 | 25° 4 | 15°29 | 28°19 | 0°30 | 4° 9 | 21°59 | 0° 7 | 19°37 | 21°42 | 29° 2 | 28°33 | 8°51 | 0°50 | W25 |
| T 26 | 16 33 16 | 8°52'45 | 9♑39 | 16°16 | 29°28 | 0°59 | 4°22 | 22° 7 | 0° 5 | 19°36 | 21°42 | 29° 1 | 28°30 | 8°58 | 0°46 | T 26 |
| F 27 | 16 37 13 | 9°49'58 | 24°17 | 17° 6 | 0♉37 | 1°29 | 4°35 | 22°15 | 0° 4 | 19°35 | 21°43 | 29° 0 | 28°27 | 9° 5 | 0°42 | F 27 |
| S 28 | 16 41 9 | 10°47'11 | 8♒52 | 18° 1 | 1°46 | 1°59 | 4°48 | 22°22 | 0° 2 | 19°34 | 21°44 | 28°59 | 28°24 | 9°12 | 0°38 | S 28 |
| S 29 | 16 45 6 | 11°44'23 | 23°20 | 18°59 | 2°55 | 2°29 | 5° 0 | 22°30 | 0° 0 | 19°33 | 21°45 | 28°58 | 28°21 | 9°18 | 0°34 | S 29 |
| M30 | 16 49 3 | 12°41'36 | 7♓36 | 20° 1 | 4° 4 | 2°59 | 5°13 | 22°37 | 29♎59 | 19°32 | 21°46 | 28°D57 | 28°17 | 9°25 | 0°29 | M30 |
| T 31 | 16 52 59 | 13♊38'48 | 21♓37 | 21♉ 6 | 5♉14 | 3♍29 | 5♋26 | 22♉45 | 29♎57 | 19♎31 | 21♌47 | 28♏57 | 28♏14 | 9♌32 | 0♐25 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n25 | 12s19 | 5n 3 | 16n22 | 0s39 | 1s 3 | 1s42 | 16n35 | 1n45 | 23n43 | 0n 9 | 15n44 | 1s52 | 11s25 | 0n29 | 6s 9 | 1n54 | 26n27 | 12n46 | 20s 4 | 20s13 | 14n16 | 17s36 | 3n14 |
| M 2 | 16 42 | 7 45 | 5 16 | 15 56 | 0 56 | 0 38 | 1 44 | 16 26 | 1 43 | 23 43 | 0 9 | 15 46 | 1 52 | 11 24 | 0 29 | 6 8 | 1 54 | 26 26 | 12 46 | 20 4 | 20 13 | 14 14 | 17 35 | 3 14 |
| T 3 | 16 58 | 2 48 | 5 10 | 15 30 | 1 14 | 0 14 | 1 46 | 16 17 | 1 41 | 23 43 | 0 9 | 15 49 | 1 52 | 11 24 | 0 29 | 6 8 | 1 54 | 26 26 | 12 46 | 20 4 | 20 12 | 14 12 | 17 34 | 3 15 |
| W 4 | 17 15 | 2n16 | 4 45 | 15 4 | 1 30 | 0n10 | 1 49 | 16 7 | 1 40 | 23 44 | 0 9 | 15 51 | 1 52 | 11 23 | 0 29 | 6 7 | 1 54 | 26 26 | 12 45 | 20 3 | 20 11 | 14 10 | 17 33 | 3 15 |
| T 5 | 17 31 | 7 10 | 4 4 | 14 38 | 1 47 | 0 35 | 1 51 | 15 58 | 1 38 | 23 44 | 0 9 | 15 53 | 1 52 | 11 22 | 0 29 | 6 7 | 1 54 | 26 25 | 12 45 | 20 3 | 20 11 | 14 8 | 17 32 | 3 15 |
| F 6 | 17 46 | 11 38 | 3 10 | 14 14 | 2 3 | 1 0 | 1 53 | 15 48 | 1 37 | 23 44 | 0 9 | 15 55 | 1 52 | 11 21 | 0 29 | 6 6 | 1 54 | 26 25 | 12 45 | 20 3 | 20 10 | 14 6 | 17 31 | 3 16 |
| S 7 | 18 2 | 15 27 | 2 6 | 13 51 | 2 18 | 1 25 | 1 55 | 15 39 | 1 35 | 23 44 | 0 9 | 15 57 | 1 52 | 11 20 | 0 29 | 6 6 | 1 54 | 26 24 | 12 44 | 20 3 | 20 9 | 14 4 | 17 30 | 3 16 |
| S 8 | 18 17 | 18 25 | 0 56 | 13 29 | 2 32 | 1 49 | 1 56 | 15 29 | 1 33 | 23 44 | 0 10 | 15 59 | 1 52 | 11 20 | 0 29 | 6 5 | 1 54 | 26 24 | 12 44 | 20 3 | 20 9 | 14 2 | 17 28 | 3 16 |
| M 9 | 18 32 | 20 22 | 0s15 | 13 9 | 2 45 | 2 14 | 1 58 | 15 19 | 1 32 | 23 44 | 0 10 | 16 2 | 1 52 | 11 19 | 0 29 | 6 5 | 1 54 | 26 24 | 12 44 | 20 3 | 20 8 | 14 0 | 17 27 | 3 16 |
| T 10 | 18 46 | 21 15 | 1 24 | 12 51 | 2 57 | 2 39 | 2 0 | 15 9 | 1 30 | 23 44 | 0 10 | 16 4 | 1 52 | 11 18 | 0 29 | 6 4 | 1 54 | 26 23 | 12 43 | 20 3 | 20 7 | 13 58 | 17 26 | 3 17 |
| W11 | 19 1 | 21 4 | 2 28 | 12 35 | 3 8 | 3 5 | 2 1 | 14 59 | 1 29 | 23 44 | 0 10 | 16 6 | 1 52 | 11 17 | 0 29 | 6 4 | 1 54 | 26 23 | 12 43 | 20 3 | 20 7 | 13 56 | 17 25 | 3 17 |
| T 12 | 19 15 | 19 52 | 3 24 | 12 22 | 3 18 | 3 30 | 2 2 | 14 49 | 1 27 | 23 44 | 0 10 | 16 8 | 1 51 | 11 16 | 0 29 | 6 3 | 1 53 | 26 22 | 12 43 | 20 3 | 20 6 | 13 54 | 17 24 | 3 17 |
| F 13 | 19 28 | 17 48 | 4 10 | 12 10 | 3 26 | 3 55 | 2 3 | 14 38 | 1 26 | 23 44 | 0 10 | 16 10 | 1 51 | 11 16 | 0 29 | 6 3 | 1 53 | 26 22 | 12 42 | 20 3 | 20 5 | 13 52 | 17 23 | 3 17 |
| S 14 | 19 42 | 14 59 | 4 45 | 12 1 | 3 34 | 4 20 | 2 5 | 14 28 | 1 24 | 23 44 | 0 10 | 16 12 | 1 51 | 11 15 | 0 29 | 6 2 | 1 53 | 26 21 | 12 42 | 20 3 | 20 5 | 13 50 | 17 22 | 3 18 |
| S 15 | 19 54 | 11 35 | 5 7 | 11 55 | 3 40 | 4 45 | 2 6 | 14 17 | 1 23 | 23 43 | 0 10 | 16 14 | 1 51 | 11 14 | 0 29 | 6 2 | 1 53 | 26 21 | 12 42 | 20 3 | 20 4 | 13 48 | 17 21 | 3 18 |
| M16 | 20 7 | 7 43 | 5 17 | 11 51 | 3 45 | 5 10 | 2 6 | 14 7 | 1 21 | 23 43 | 0 10 | 16 16 | 1 51 | 11 14 | 0 29 | 6 2 | 1 53 | 26 20 | 12 41 | 20 3 | 20 3 | 13 46 | 17 20 | 3 18 |
| T 17 | 20 19 | 3 31 | 5 13 | 11 49 | 3 49 | 5 36 | 2 7 | 13 56 | 1 20 | 23 43 | 0 10 | 16 18 | 1 51 | 11 13 | 0 29 | 6 1 | 1 53 | 26 20 | 12 41 | 20 3 | 20 2 | 13 44 | 17 19 | 3 18 |
| W18 | 20 31 | 0s53 | 4 54 | 11 50 | 3 52 | 6 1 | 2 8 | 13 45 | 1 19 | 23 43 | 0 10 | 16 20 | 1 51 | 11 12 | 0 29 | 6 1 | 1 53 | 26 20 | 12 41 | 20 3 | 20 2 | 13 42 | 17 18 | 3 19 |
| T 19 | 20 43 | 5 20 | 4 22 | 11 54 | 3 54 | 6 26 | 2 8 | 13 34 | 1 17 | 23 43 | 0 11 | 16 22 | 1 51 | 11 11 | 0 29 | 6 0 | 1 53 | 26 19 | 12 40 | 20 3 | 20 1 | 13 40 | 17 17 | 3 19 |
| F 20 | 20 54 | 9 41 | 3 36 | 11 59 | 3 55 | 6 51 | 2 9 | 13 23 | 1 16 | 23 43 | 0 11 | 16 24 | 1 51 | 11 11 | 0 29 | 6 0 | 1 53 | 26 18 | 12 40 | 20 3 | 20 0 | 13 38 | 17 16 | 3 19 |
| S 21 | 21 5 | 13 42 | 2 38 | 12 7 | 3 55 | 7 16 | 2 9 | 13 12 | 1 14 | 23 42 | 0 11 | 16 27 | 1 51 | 11 10 | 0 29 | 6 0 | 1 53 | 26 18 | 12 40 | 20 3 | 20 0 | 13 36 | 17 15 | 3 19 |
| S 22 | 21 16 | 17 9 | 1 30 | 12 17 | 3 53 | 7 41 | 2 10 | 13 0 | 1 13 | 23 42 | 0 11 | 16 29 | 1 51 | 11 9 | 0 29 | 5 59 | 1 53 | 26 17 | 12 40 | 20 3 | 19 59 | 13 34 | 17 14 | 3 19 |
| M23 | 21 26 | 19 42 | 0 14 | 12 29 | 3 51 | 8 6 | 2 10 | 12 49 | 1 12 | 23 42 | 0 11 | 16 30 | 1 51 | 11 9 | 0 29 | 5 59 | 1 53 | 26 17 | 12 39 | 20 3 | 19 58 | 13 32 | 17 13 | 3 20 |
| T 24 | 21 36 | 21 7 | 1n 4 | 12 43 | 3 48 | 8 30 | 2 10 | 12 37 | 1 10 | 23 42 | 0 11 | 16 32 | 1 51 | 11 8 | 0 29 | 5 59 | 1 53 | 26 16 | 12 39 | 20 3 | 19 58 | 13 30 | 17 12 | 3 20 |
| W25 | 21 45 | 21 10 | 2 19 | 12 59 | 3 44 | 8 55 | 2 10 | 12 26 | 1 9 | 23 41 | 0 11 | 16 34 | 1 51 | 11 8 | 0 29 | 5 58 | 1 53 | 26 16 | 12 39 | 20 3 | 19 57 | 13 28 | 17 11 | 3 20 |
| T 26 | 21 54 | 19 47 | 3 26 | 13 17 | 3 40 | 9 19 | 2 10 | 12 14 | 1 8 | 23 41 | 0 11 | 16 36 | 1 51 | 11 7 | 0 29 | 5 58 | 1 53 | 26 15 | 12 38 | 20 3 | 19 56 | 13 26 | 17 10 | 3 20 |
| F 27 | 22 3 | 17 6 | 4 20 | 13 37 | 3 34 | 9 44 | 2 9 | 12 2 | 1 6 | 23 41 | 0 11 | 16 38 | 1 51 | 11 6 | 0 29 | 5 58 | 1 53 | 26 15 | 12 38 | 20 3 | 19 55 | 13 24 | 17 9 | 3 20 |
| S 28 | 22 11 | 13 22 | 4 57 | 13 58 | 3 28 | 10 8 | 2 9 | 11 50 | 1 5 | 23 40 | 0 11 | 16 40 | 1 51 | 11 6 | 0 29 | 5 57 | 1 53 | 26 14 | 12 38 | 20 2 | 19 55 | 13 22 | 17 8 | 3 20 |
| S 29 | 22 19 | 8 52 | 5 15 | 14 20 | 3 21 | 10 32 | 2 9 | 11 38 | 1 4 | 23 40 | 0 11 | 16 42 | 1 51 | 11 5 | 0 29 | 5 57 | 1 53 | 26 14 | 12 38 | 20 2 | 19 54 | 13 20 | 17 7 | 3 20 |
| M30 | 22 27 | 3 56 | 5 13 | 14 44 | 3 14 | 10 56 | 2 8 | 11 26 | 1 2 | 23 39 | 0 11 | 16 44 | 1 51 | 11 5 | 0 29 | 5 57 | 1 53 | 26 13 | 12 37 | 20 2 | 19 53 | 13 18 | 17 6 | 3 21 |
| T 31 | 22n34 | 1n 8 | 4n52 | 15n 9 | 3s 6 | 11n20 | 2s 8 | 11n14 | 1n 1 | 23n39 | 0n12 | 16n46 | 1s51 | 11s 4 | 0n29 | 5s57 | 1n53 | 26n12 | 12n37 | 20s 2 | 19s53 | 13n16 | 17s 5 | 3n21 |

Julian Day Number = 2075470.5, Delta T = 26m57s
Ecliptic obliquity = 23°34'17, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'24, Lahiri = 9°30'24 Julian Calendar 1 May 970 == Greg. Calendar 6 May 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## JUNE 970 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 56 56 | 14♊36'00 | 5♈23 | 22♉16 | 6♉23 | 4♍ 0 | 5♋39 | 22♉52 | 29°R55 | 19°R31 | 21♌48 | 28♏58 | 28♏11 | 9♌38 | 0°R21 | W 1 |
| T 2 | 17 0 52 | 15°33'12 | 18°54 | 23°29 | 7°33 | 4°30 | 5°52 | 23° 0 | 29♎54 | 19♎30 | 21°49 | 28°59 | 28° 8 | 9°45 | 0♐18 | T 2 |
| F 3 | 17 4 49 | 16°30'24 | 2♉ 9 | 24°45 | 8°42 | 5° 1 | 6° 5 | 23° 7 | 29°52 | 19°29 | 21°50 | 29° 0 | 28° 5 | 9°52 | 0°14 | F 3 |
| S 4 | 17 8 45 | 17°27'36 | 15°10 | 26° 5 | 9°52 | 5°32 | 6°18 | 23°14 | 29°51 | 19°28 | 21°51 | 29° 2 | 28° 2 | 9°59 | 0°10 | S 4 |
| S 5 | 17 12 42 | 18°24'48 | 27°58 | 27°29 | 11° 1 | 6° 4 | 6°31 | 23°22 | 29°50 | 19°28 | 21°52 | 29°R 2 | 27°58 | 10° 5 | 0° 6 | S 5 |
| M 6 | 17 16 38 | 19°21'59 | 10♊33 | 28°55 | 12°11 | 6°35 | 6°44 | 23°29 | 29°48 | 19°27 | 21°53 | 29° 2 | 27°55 | 10°12 | 0° 2 | M 6 |
| T 7 | 17 20 35 | 20°19'11 | 22°57 | 0♊26 | 13°21 | 7° 7 | 6°57 | 23°36 | 29°47 | 19°27 | 21°54 | 29° 0 | 27°52 | 10°19 | 29♏58 | T 7 |
| W 8 | 17 24 32 | 21°16'22 | 5♋10 | 1°59 | 14°31 | 7°38 | 7°10 | 23°44 | 29°46 | 19°26 | 21°55 | 28°58 | 27°49 | 10°25 | 29°55 | W 8 |
| T 9 | 17 28 28 | 22°13'34 | 17°15 | 3°36 | 15°41 | 8°10 | 7°24 | 23°51 | 29°44 | 19°25 | 21°57 | 28°54 | 27°46 | 10°32 | 29°51 | T 9 |
| F 10 | 17 32 25 | 23°10'44 | 29°13 | 5°16 | 16°51 | 8°42 | 7°37 | 23°58 | 29°43 | 19°25 | 21°58 | 28°50 | 27°42 | 10°39 | 29°47 | F 10 |
| S 11 | 17 36 21 | 24° 7'55 | 11♌ 7 | 7° 0 | 18° 1 | 9°15 | 7°50 | 24° 5 | 29°42 | 19°24 | 21°59 | 28°46 | 27°39 | 10°46 | 29°44 | S 11 |
| S 12 | 17 40 18 | 25° 5'06 | 22°58 | 8°46 | 19°11 | 9°47 | 8° 3 | 24°12 | 29°41 | 19°24 | 22° 0 | 28°43 | 27°36 | 10°52 | 29°40 | S 12 |
| M13 | 17 44 14 | 26° 2'16 | 4♍52 | 10°35 | 20°21 | 10°19 | 8°16 | 24°19 | 29°40 | 19°23 | 22° 2 | 28°40 | 27°33 | 10°59 | 29°37 | M13 |
| T 14 | 17 48 11 | 26°59'26 | 16°51 | 12°28 | 21°32 | 10°52 | 8°30 | 24°26 | 29°39 | 19°23 | 22° 3 | 28°38 | 27°30 | 11° 6 | 29°33 | T 14 |
| W15 | 17 52 7 | 27°56'35 | 29° 0 | 14°23 | 22°42 | 11°25 | 8°43 | 24°33 | 29°38 | 19°23 | 22° 4 | 28°D38 | 27°27 | 11°12 | 29°30 | W15 |
| T 16 | 17 56 4 | 28°53'45 | 11♎24 | 16°20 | 23°52 | 11°58 | 8°56 | 24°40 | 29°37 | 19°22 | 22° 6 | 28°38 | 27°23 | 11°19 | 29°27 | T 16 |
| F 17 | 18 0 1 | 29°50'54 | 24° 6 | 18°20 | 25° 3 | 12°31 | 9°10 | 24°47 | 29°36 | 19°22 | 22° 7 | 28°40 | 27°20 | 11°26 | 29°23 | F 17 |
| S 18 | 18 3 57 | 0♋48'04 | 7♏12 | 20°22 | 26°13 | 13° 4 | 9°23 | 24°54 | 29°35 | 19°22 | 22° 8 | 28°41 | 27°17 | 11°33 | 29°20 | S 18 |
| S 19 | 18 7 54 | 1°45'13 | 20°43 | 22°26 | 27°24 | 13°38 | 9°36 | 25° 1 | 29°35 | 19°22 | 22°10 | 28°42 | 27°14 | 11°39 | 29°17 | S 19 |
| M20 | 18 11 50 | 2°42'22 | 4♐41 | 24°31 | 28°35 | 14°11 | 9°50 | 25° 8 | 29°34 | 19°21 | 22°11 | 28°R42 | 27°11 | 11°46 | 29°14 | M20 |
| T 21 | 18 15 47 | 3°39'32 | 19° 4 | 26°38 | 29°45 | 14°45 | 10° 3 | 25°14 | 29°33 | 19°21 | 22°13 | 28°41 | 27° 8 | 11°53 | 29°11 | T 21 |
| W22 | 18 19 43 | 4°36'42 | 3♑47 | 28°45 | 0♊56 | 15°19 | 10°16 | 25°21 | 29°33 | 19°21 | 22°14 | 28°38 | 27° 4 | 11°59 | 29° 8 | W22 |
| T 23 | 18 23 40 | 5°33'52 | 18°45 | 0♋54 | 2° 7 | 15°53 | 10°30 | 25°28 | 29°32 | 19°21 | 22°16 | 28°34 | 27° 1 | 12° 6 | 29° 5 | T 23 |
| F 24 | 18 27 37 | 6°31'02 | 3♒48 | 3° 2 | 3°18 | 16°27 | 10°43 | 25°34 | 29°32 | 19°21 | 22°17 | 28°28 | 26°58 | 12°13 | 29° 2 | F 24 |
| S 25 | 18 31 33 | 7°28'13 | 18°47 | 5°11 | 4°29 | 17° 1 | 10°56 | 25°41 | 29°31 | 19°21 | 22°19 | 28°23 | 26°55 | 12°20 | 29° 0 | S 25 |
| S 26 | 18 35 30 | 8°25'25 | 3♓33 | 7°20 | 5°40 | 17°36 | 11°10 | 25°47 | 29°31 | 19°D21 | 22°20 | 28°18 | 26°52 | 12°26 | 28°57 | S 26 |
| M27 | 18 39 26 | 9°22'37 | 18° 1 | 9°28 | 6°51 | 18°10 | 11°23 | 25°54 | 29°31 | 19°21 | 22°22 | 28°15 | 26°48 | 12°33 | 28°54 | M27 |
| T 28 | 18 43 23 | 10°19'50 | 2♈ 7 | 11°36 | 8° 2 | 18°45 | 11°36 | 26° 0 | 29°30 | 19°21 | 22°23 | 28°13 | 26°45 | 12°40 | 28°52 | T 28 |
| W29 | 18 47 19 | 11°17'04 | 15°50 | 13°43 | 9°13 | 19°19 | 11°50 | 26° 6 | 29°30 | 19°21 | 22°25 | 28°D13 | 26°42 | 12°47 | 28°49 | W29 |
| T 30 | 18 51 16 | 12♋14'18 | 29♈11 | 15♋49 | 10♊25 | 19♍54 | 12♋ 3 | 26♉13 | 29♎30 | 19♎21 | 22♌27 | 28♏14 | 26♏39 | 12♌53 | 28♏47 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 22n41 | 6n 3 | 4n15 | 15n35 | 2s57 | 11n43 | 2s 7 | 11n 2 | 1n 0 | 23n39 | 0n12 | 16n48 | 1s51 | 11s 4 | 0n29 | 5s56 | 1n53 | 26n12 | 12n37 | 20s 2 | 19s52 | 13n14 | 17s 4 | 3n21 | W 1 |
| T 2 | 22 47 | 10 35 | 3 24 | 16 2 | 2 48 | 12 7 | 2 6 | 10 49 | 0 59 | 23 38 | 0 12 | 16 50 | 1 51 | 11 3 | 0 29 | 5 56 | 1 53 | 26 11 | 12 36 | 20 3 | 19 51 | 13 12 | 17 3 | 3 21 | T 2 |
| F 3 | 22 53 | 14 31 | 2 23 | 16 30 | 2 38 | 12 30 | 2 5 | 10 37 | 0 57 | 23 38 | 0 12 | 16 52 | 1 51 | 11 3 | 0 29 | 5 56 | 1 53 | 26 11 | 12 36 | 20 3 | 19 50 | 13 10 | 17 2 | 3 21 | F 3 |
| S 4 | 22 59 | 17 41 | 1 16 | 16 59 | 2 28 | 12 53 | 2 4 | 10 24 | 0 56 | 23 37 | 0 12 | 16 53 | 1 51 | 11 2 | 0 29 | 5 56 | 1 52 | 26 10 | 12 36 | 20 3 | 19 50 | 13 8 | 17 1 | 3 21 | S 4 |
| S 5 | 23 4 | 19 55 | 0 6 | 17 28 | 2 18 | 13 16 | 2 3 | 10 11 | 0 55 | 23 37 | 0 12 | 16 55 | 1 51 | 11 2 | 0 29 | 5 55 | 1 52 | 26 9 | 12 36 | 20 3 | 19 49 | 13 6 | 17 0 | 3 21 | S 5 |
| M 6 | 23 9 | 21 7 | 1s 3 | 17 58 | 2 7 | 13 38 | 2 2 | 9 58 | 0 54 | 23 36 | 0 12 | 16 57 | 1 51 | 11 1 | 0 29 | 5 55 | 1 52 | 26 9 | 12 35 | 20 3 | 19 48 | 13 4 | 16 59 | 3 21 | M 6 |
| T 7 | 23 13 | 21 15 | 2 8 | 18 28 | 1 55 | 14 0 | 2 1 | 9 46 | 0 52 | 23 35 | 0 12 | 16 59 | 1 51 | 11 1 | 0 29 | 5 55 | 1 52 | 26 8 | 12 35 | 20 3 | 19 48 | 13 2 | 16 58 | 3 21 | T 7 |
| W 8 | 23 17 | 20 22 | 3 6 | 18 59 | 1 44 | 14 22 | 2 0 | 9 33 | 0 51 | 23 35 | 0 12 | 17 1 | 1 51 | 11 0 | 0 28 | 5 55 | 1 52 | 26 7 | 12 35 | 20 2 | 19 47 | 13 0 | 16 58 | 3 22 | W 8 |
| T 9 | 23 20 | 18 34 | 3 55 | 19 29 | 1 32 | 14 44 | 1 59 | 9 19 | 0 50 | 23 34 | 0 12 | 17 2 | 1 51 | 11 0 | 0 28 | 5 55 | 1 52 | 26 7 | 12 34 | 20 1 | 19 46 | 12 58 | 16 57 | 3 22 | T 9 |
| F 10 | 23 24 | 15 59 | 4 33 | 19 59 | 1 20 | 15 5 | 1 57 | 9 6 | 0 49 | 23 33 | 0 12 | 17 4 | 1 51 | 10 59 | 0 28 | 5 55 | 1 52 | 26 6 | 12 34 | 20 1 | 19 45 | 12 56 | 16 56 | 3 22 | F 10 |
| S 11 | 23 26 | 12 45 | 4 59 | 20 28 | 1 8 | 15 26 | 1 56 | 8 53 | 0 48 | 23 33 | 0 13 | 17 6 | 1 52 | 10 59 | 0 28 | 5 54 | 1 52 | 26 5 | 12 34 | 20 0 | 19 45 | 12 53 | 16 55 | 3 22 | S 11 |
| S 12 | 23 29 | 9 1 | 5 12 | 20 58 | 0 56 | 15 47 | 1 54 | 8 40 | 0 47 | 23 32 | 0 13 | 17 7 | 1 52 | 10 59 | 0 28 | 5 54 | 1 52 | 26 5 | 12 34 | 19 59 | 19 44 | 12 51 | 16 54 | 3 22 | S 12 |
| M13 | 23 31 | 4 57 | 5 11 | 21 26 | 0 44 | 16 7 | 1 53 | 8 26 | 0 45 | 23 31 | 0 13 | 17 9 | 1 52 | 10 58 | 0 28 | 5 54 | 1 52 | 26 4 | 12 33 | 19 58 | 19 43 | 12 49 | 16 54 | 3 22 | M13 |
| T 14 | 23 32 | 0 39 | 4 58 | 21 53 | 0 32 | 16 27 | 1 51 | 8 13 | 0 44 | 23 31 | 0 13 | 17 11 | 1 52 | 10 58 | 0 28 | 5 54 | 1 52 | 26 3 | 12 33 | 19 58 | 19 43 | 12 47 | 16 53 | 3 22 | T 14 |
| W15 | 23 33 | 3s44 | 4 30 | 22 19 | 0 20 | 16 47 | 1 49 | 7 59 | 0 43 | 23 30 | 0 13 | 17 12 | 1 52 | 10 58 | 0 28 | 5 54 | 1 52 | 26 3 | 12 33 | 19 58 | 19 42 | 12 45 | 16 52 | 3 22 | W15 |
| T 16 | 23 34 | 8 3 | 3 50 | 22 43 | 0 8 | 17 6 | 1 48 | 7 45 | 0 42 | 23 29 | 0 13 | 17 14 | 1 52 | 10 58 | 0 28 | 5 54 | 1 52 | 26 2 | 12 33 | 19 58 | 19 41 | 12 43 | 16 51 | 3 22 | T 16 |
| F 17 | 23 34 | 12 9 | 2 58 | 23 6 | 0n 3 | 17 25 | 1 46 | 7 32 | 0 41 | 23 28 | 0 13 | 17 16 | 1 52 | 10 57 | 0 28 | 5 54 | 1 52 | 26 1 | 12 33 | 19 58 | 19 40 | 12 41 | 16 51 | 3 22 | F 17 |
| S 18 | 23 34 | 15 48 | 1 55 | 23 27 | 0 14 | 17 44 | 1 44 | 7 18 | 0 40 | 23 27 | 0 13 | 17 17 | 1 52 | 10 57 | 0 28 | 5 54 | 1 52 | 26 1 | 12 32 | 19 59 | 19 40 | 12 39 | 16 50 | 3 22 | S 18 |
| S 19 | 23 34 | 18 44 | 0 44 | 23 46 | 0 25 | 18 2 | 1 42 | 7 4 | 0 39 | 23 26 | 0 13 | 17 19 | 1 52 | 10 57 | 0 28 | 5 54 | 1 52 | 26 0 | 12 32 | 19 59 | 19 39 | 12 37 | 16 49 | 3 22 | S 19 |
| M20 | 23 33 | 20 39 | 0n33 | 24 2 | 0 35 | 18 20 | 1 40 | 6 50 | 0 38 | 23 26 | 0 13 | 17 20 | 1 52 | 10 57 | 0 28 | 5 54 | 1 52 | 25 59 | 12 32 | 19 59 | 19 38 | 12 35 | 16 49 | 3 22 | M20 |
| T 21 | 23 31 | 21 19 | 1 49 | 24 17 | 0 45 | 18 37 | 1 38 | 6 36 | 0 36 | 23 25 | 0 13 | 17 22 | 1 52 | 10 56 | 0 28 | 5 54 | 1 52 | 25 59 | 12 32 | 19 59 | 19 37 | 12 33 | 16 48 | 3 22 | T 21 |
| W22 | 23 29 | 20 32 | 2 59 | 24 28 | 0 54 | 18 54 | 1 36 | 6 22 | 0 35 | 23 24 | 0 14 | 17 24 | 1 52 | 10 56 | 0 28 | 5 54 | 1 51 | 25 58 | 12 31 | 19 58 | 19 37 | 12 31 | 16 47 | 3 22 | W22 |
| T 23 | 23 27 | 18 19 | 3 59 | 24 37 | 1 3 | 19 10 | 1 33 | 6 7 | 0 34 | 23 23 | 0 14 | 17 25 | 1 52 | 10 56 | 0 28 | 5 54 | 1 51 | 25 57 | 12 31 | 19 57 | 19 36 | 12 29 | 16 47 | 3 22 | T 23 |
| F 24 | 23 25 | 14 50 | 4 42 | 24 43 | 1 10 | 19 26 | 1 31 | 5 53 | 0 33 | 23 22 | 0 14 | 17 27 | 1 52 | 10 56 | 0 28 | 5 54 | 1 51 | 25 57 | 12 31 | 19 56 | 19 35 | 12 27 | 16 46 | 3 22 | F 24 |
| S 25 | 23 22 | 10 26 | 5 6 | 24 46 | 1 18 | 19 42 | 1 29 | 5 39 | 0 32 | 23 21 | 0 14 | 17 28 | 1 52 | 10 56 | 0 28 | 5 54 | 1 51 | 25 56 | 12 31 | 19 55 | 19 35 | 12 25 | 16 46 | 3 22 | S 25 |
| S 26 | 23 18 | 5 28 | 5 9 | 24 46 | 1 24 | 19 57 | 1 27 | 5 24 | 0 31 | 23 20 | 0 14 | 17 29 | 1 52 | 10 56 | 0 28 | 5 54 | 1 51 | 25 55 | 12 31 | 19 54 | 19 34 | 12 23 | 16 45 | 3 22 | S 26 |
| M27 | 23 14 | 0 17 | 4 52 | 24 43 | 1 30 | 20 11 | 1 24 | 5 10 | 0 30 | 23 19 | 0 14 | 17 31 | 1 52 | 10 55 | 0 28 | 5 54 | 1 51 | 25 54 | 12 30 | 19 53 | 19 33 | 12 21 | 16 44 | 3 22 | M27 |
| T 28 | 23 10 | 4n47 | 4 18 | 24 38 | 1 35 | 20 25 | 1 22 | 4 55 | 0 29 | 23 18 | 0 14 | 17 32 | 1 52 | 10 55 | 0 28 | 5 54 | 1 51 | 25 54 | 12 30 | 19 52 | 19 32 | 12 19 | 16 44 | 3 22 | T 28 |
| W29 | 23 5 | 9 29 | 3 29 | 24 30 | 1 39 | 20 39 | 1 19 | 4 41 | 0 28 | 23 17 | 0 14 | 17 34 | 1 53 | 10 55 | 0 28 | 5 54 | 1 51 | 25 53 | 12 30 | 19 52 | 19 32 | 12 17 | 16 43 | 3 22 | W29 |
| T 30 | 23n 0 | 13n35 | 2n31 | 24n19 | 1n42 | 20n52 | 1s17 | 4n26 | 0n27 | 23n15 | 0n14 | 17n35 | 1s53 | 10s55 | 0n28 | 5s54 | 1n51 | 25n52 | 12n30 | 19s52 | 19s31 | 12n14 | 16s43 | 3n22 | T 30 |

Julian Day Number = 2075501.5, Delta T = 26m56s
Ecliptic obliquity = 23°34'16, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'28, Lahiri = 9°30'28 Julian Calendar 1 June 970 == Greg. Calendar 6 June 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## JULY 970 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 55 12 | 13♋11'34 | 12♉12 | 17♋53 | 11♊36 | 20♍29 | 12♋17 | 26♉19 | 29°R30 | 19♎21 | 22♌28 | 28♏15 | 26♏36 | 13♌ 0 | 28°R45 | F 1 |
| S 2 | 18 59 9 | 14° 8'50 | 24°56 | 19°57 | 12°47 | 21° 4 | 12°30 | 26°25 | 29♎30 | 19°21 | 22°30 | 28°R16 | 26°33 | 13° 7 | 28♏43 | S 2 |
| S 3 | 19 3 6 | 15° 6'08 | 7♊26 | 21°59 | 13°59 | 21°40 | 12°43 | 26°31 | 29°D29 | 19°21 | 22°32 | 28°16 | 26°29 | 13°13 | 28°40 | S 3 |
| M 4 | 19 7 2 | 16° 3'26 | 19°45 | 23°59 | 15°10 | 22°15 | 12°57 | 26°37 | 29°29 | 19°22 | 22°33 | 28°13 | 26°26 | 13°20 | 28°38 | M 4 |
| T 5 | 19 10 59 | 17° 0'45 | 1♋55 | 25°58 | 16°22 | 22°51 | 13°10 | 26°43 | 29°30 | 19°22 | 22°35 | 28° 9 | 26°23 | 13°27 | 28°36 | T 5 |
| W 6 | 19 14 55 | 17°58'05 | 13°59 | 27°55 | 17°34 | 23°26 | 13°23 | 26°49 | 29°30 | 19°22 | 22°37 | 28° 2 | 26°20 | 13°34 | 28°35 | W 6 |
| T 7 | 19 18 52 | 18°55'25 | 25°57 | 29°51 | 18°45 | 24° 2 | 13°37 | 26°55 | 29°30 | 19°23 | 22°39 | 27°54 | 26°17 | 13°40 | 28°33 | T 7 |
| F 8 | 19 22 48 | 19°52'47 | 7♌51 | 1♌45 | 19°57 | 24°38 | 13°50 | 27° 1 | 29°30 | 19°23 | 22°40 | 27°44 | 26°14 | 13°47 | 28°31 | F 8 |
| S 9 | 19 26 45 | 20°50'09 | 19°42 | 3°38 | 21° 9 | 25°14 | 14° 4 | 27° 6 | 29°30 | 19°23 | 22°42 | 27°34 | 26°10 | 13°54 | 28°29 | S 9 |
| S 10 | 19 30 41 | 21°47'31 | 1♍34 | 5°28 | 22°21 | 25°50 | 14°17 | 27°12 | 29°31 | 19°24 | 22°44 | 27°25 | 26° 7 | 14° 0 | 28°28 | S 10 |
| M11 | 19 34 38 | 22°44'55 | 13°27 | 7°18 | 23°33 | 26°26 | 14°30 | 27°17 | 29°31 | 19°24 | 22°46 | 27°17 | 26° 4 | 14° 7 | 28°26 | M11 |
| T 12 | 19 38 35 | 23°42'19 | 25°26 | 9° 5 | 24°44 | 27° 3 | 14°43 | 27°23 | 29°31 | 19°25 | 22°48 | 27°11 | 26° 1 | 14°14 | 28°25 | T 12 |
| W13 | 19 42 31 | 24°39'44 | 7♎33 | 10°51 | 25°56 | 27°39 | 14°57 | 27°28 | 29°32 | 19°25 | 22°50 | 27° 7 | 25°58 | 14°21 | 28°24 | W13 |
| T 14 | 19 46 28 | 25°37'09 | 19°54 | 12°35 | 27° 9 | 28°16 | 15°10 | 27°34 | 29°32 | 19°26 | 22°51 | 27° 5 | 25°54 | 14°27 | 28°23 | T 14 |
| F 15 | 19 50 24 | 26°34'36 | 2♏32 | 14°18 | 28°21 | 28°52 | 15°23 | 27°39 | 29°33 | 19°26 | 22°53 | 27°D 5 | 25°51 | 14°34 | 28°21 | F 15 |
| S 16 | 19 54 21 | 27°32'03 | 15°33 | 15°59 | 29°33 | 29°29 | 15°36 | 27°44 | 29°34 | 19°27 | 22°55 | 27° 6 | 25°48 | 14°41 | 28°20 | S 16 |
| S 17 | 19 58 17 | 28°29'31 | 28°59 | 17°38 | 0♋45 | 0♎ 6 | 15°50 | 27°49 | 29°34 | 19°28 | 22°57 | 27°R 6 | 25°45 | 14°48 | 28°20 | S 17 |
| M18 | 20 2 14 | 29°27'00 | 12♐54 | 19°16 | 1°57 | 0°43 | 16° 3 | 27°54 | 29°35 | 19°28 | 22°59 | 27° 5 | 25°42 | 14°54 | 28°19 | M18 |
| T 19 | 20 6 10 | 0♌24'29 | 27°17 | 20°52 | 3°10 | 1°20 | 16°16 | 27°59 | 29°36 | 19°29 | 23° 1 | 27° 2 | 25°39 | 15° 1 | 28°18 | T 19 |
| W20 | 20 10 7 | 1°22'00 | 12♑ 7 | 22°27 | 4°22 | 1°57 | 16°29 | 28° 4 | 29°37 | 19°30 | 23° 3 | 26°57 | 25°35 | 15° 8 | 28°17 | W20 |
| T 21 | 20 14 4 | 2°19'32 | 27°15 | 24° 0 | 5°34 | 2°35 | 16°42 | 28° 9 | 29°38 | 19°31 | 23° 5 | 26°49 | 25°32 | 15°14 | 28°17 | T 21 |
| F 22 | 20 18 0 | 3°17'05 | 12♒33 | 25°31 | 6°47 | 3°12 | 16°55 | 28°14 | 29°39 | 19°31 | 23° 7 | 26°40 | 25°29 | 15°21 | 28°16 | F 22 |
| S 23 | 20 21 57 | 4°14'39 | 27°49 | 27° 1 | 7°59 | 3°49 | 17° 8 | 28°18 | 29°40 | 19°32 | 23° 9 | 26°30 | 25°26 | 15°28 | 28°16 | S 23 |
| S 24 | 20 25 53 | 5°12'14 | 12♓52 | 28°29 | 9°12 | 4°27 | 17°21 | 28°23 | 29°41 | 19°33 | 23°11 | 26°22 | 25°23 | 15°35 | 28°16 | S 24 |
| M25 | 20 29 50 | 6° 9'51 | 27°35 | 29°55 | 10°25 | 5° 5 | 17°34 | 28°28 | 29°42 | 19°34 | 23°13 | 26°15 | 25°20 | 15°41 | 28°16 | M25 |
| T 26 | 20 33 46 | 7° 7'30 | 11♈51 | 1♍20 | 11°37 | 5°43 | 17°47 | 28°32 | 29°43 | 19°35 | 23°15 | 26°10 | 25°16 | 15°48 | 28°D15 | T 26 |
| W27 | 20 37 43 | 8° 5'10 | 25°38 | 2°43 | 12°50 | 6°21 | 18° 0 | 28°36 | 29°44 | 19°36 | 23°17 | 26° 8 | 25°13 | 15°55 | 28°15 | W27 |
| T 28 | 20 41 39 | 9° 2'52 | 8♉59 | 4° 5 | 14° 3 | 6°59 | 18°13 | 28°41 | 29°45 | 19°37 | 23°19 | 26°D 7 | 25°10 | 16° 1 | 28°16 | T 28 |
| F 29 | 20 45 36 | 10° 0'35 | 21°56 | 5°25 | 15°16 | 7°37 | 18°26 | 28°45 | 29°47 | 19°38 | 23°21 | 26°R 7 | 25° 7 | 16° 8 | 28°16 | F 29 |
| S 30 | 20 49 33 | 10°58'21 | 4♊32 | 6°43 | 16°29 | 8°15 | 18°39 | 28°49 | 29°48 | 19°39 | 23°23 | 26° 7 | 25° 4 | 16°15 | 28°16 | S 30 |
| S 31 | 20 53 29 | 11♌56'08 | 16♊53 | 7♍59 | 17♋41 | 8♎53 | 18♋52 | 28♉53 | 29♎49 | 19♎40 | 23♌25 | 26♏ 5 | 25♏ 0 | 16♌22 | 28♏16 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n55 | 16n56 | 1n26 | 24n 6 | 1n45 | 21n 4 | 1s14 | 4n11 | 0n26 | 23n14 | 0n14 | 17n37 | 1s53 | 10s55 | 0n28 | 5s54 | 1n51 | 25n51 | 12n30 | 19s53 | 19s30 | 12n12 | 16s43 | 3n22 |
| S 2 | 22 49 | 19 24 | 0 18 | 23 51 | 1 47 | 21 16 | 1 12 | 3 56 | 0 25 | 23 13 | 0 14 | 17 38 | 1 53 | 10 55 | 0 28 | 5 54 | 1 51 | 25 51 | 12 30 | 19 53 | 19 29 | 12 10 | 16 42 | 3 22 |
| S 3 | 22 43 | 20 52 | 0s49 | 23 33 | 1 48 | 21 28 | 1 9 | 3 41 | 0 24 | 23 12 | 0 15 | 17 39 | 1 53 | 10 55 | 0 28 | 5 55 | 1 51 | 25 50 | 12 29 | 19 53 | 19 29 | 12 8 | 16 42 | 3 22 |
| M 4 | 22 36 | 21 17 | 1 53 | 23 13 | 1 49 | 21 38 | 1 7 | 3 26 | 0 23 | 23 11 | 0 15 | 17 40 | 1 53 | 10 55 | 0 28 | 5 55 | 1 51 | 25 49 | 12 29 | 19 52 | 19 28 | 12 6 | 16 41 | 3 22 |
| T 5 | 22 29 | 20 42 | 2 51 | 22 51 | 1 49 | 21 48 | 1 4 | 3 11 | 0 22 | 23 10 | 0 15 | 17 42 | 1 53 | 10 55 | 0 28 | 5 55 | 1 51 | 25 49 | 12 29 | 19 51 | 19 27 | 12 4 | 16 41 | 3 21 |
| W 6 | 22 21 | 19 11 | 3 41 | 22 28 | 1 48 | 21 58 | 1 1 | 2 56 | 0 21 | 23 8 | 0 15 | 17 43 | 1 53 | 10 55 | 0 28 | 5 55 | 1 51 | 25 48 | 12 29 | 19 50 | 19 26 | 12 2 | 16 41 | 3 21 |
| T 7 | 22 14 | 16 49 | 4 20 | 22 2 | 1 47 | 22 7 | 0 59 | 2 41 | 0 20 | 23 7 | 0 15 | 17 44 | 1 53 | 10 56 | 0 28 | 5 55 | 1 51 | 25 47 | 12 29 | 19 48 | 19 26 | 12 0 | 16 40 | 3 21 |
| F 8 | 22 5 | 13 47 | 4 47 | 21 35 | 1 45 | 22 16 | 0 56 | 2 26 | 0 19 | 23 6 | 0 15 | 17 45 | 1 53 | 10 56 | 0 28 | 5 55 | 1 51 | 25 46 | 12 29 | 19 46 | 19 25 | 11 58 | 16 40 | 3 21 |
| S 9 | 21 57 | 10 12 | 5 2 | 21 7 | 1 43 | 22 23 | 0 53 | 2 11 | 0 18 | 23 5 | 0 15 | 17 47 | 1 53 | 10 56 | 0 27 | 5 56 | 1 50 | 25 46 | 12 29 | 19 44 | 19 24 | 11 56 | 16 40 | 3 21 |
| S 10 | 21 48 | 6 14 | 5 4 | 20 37 | 1 40 | 22 31 | 0 50 | 1 56 | 0 17 | 23 3 | 0 15 | 17 48 | 1 54 | 10 56 | 0 27 | 5 56 | 1 50 | 25 45 | 12 28 | 19 41 | 19 23 | 11 54 | 16 39 | 3 21 |
| M11 | 21 38 | 2 2 | 4 53 | 20 6 | 1 36 | 22 37 | 0 48 | 1 40 | 0 16 | 23 2 | 0 15 | 17 49 | 1 54 | 10 56 | 0 27 | 5 56 | 1 50 | 25 44 | 12 28 | 19 40 | 19 23 | 11 52 | 16 39 | 3 21 |
| T 12 | 21 29 | 2s17 | 4 29 | 19 34 | 1 32 | 22 43 | 0 45 | 1 25 | 0 15 | 23 1 | 0 15 | 17 50 | 1 54 | 10 56 | 0 27 | 5 56 | 1 50 | 25 43 | 12 28 | 19 38 | 19 22 | 11 50 | 16 39 | 3 21 |
| W13 | 21 19 | 6 35 | 3 53 | 19 1 | 1 28 | 22 49 | 0 42 | 1 9 | 0 14 | 22 59 | 0 16 | 17 51 | 1 54 | 10 56 | 0 27 | 5 57 | 1 50 | 25 43 | 12 28 | 19 37 | 19 21 | 11 47 | 16 39 | 3 21 |
| T 14 | 21 8 | 10 41 | 3 5 | 18 27 | 1 23 | 22 53 | 0 39 | 0 54 | 0 13 | 22 58 | 0 16 | 17 52 | 1 54 | 10 57 | 0 27 | 5 57 | 1 50 | 25 42 | 12 28 | 19 37 | 19 20 | 11 45 | 16 39 | 3 21 |
| F 15 | 20 57 | 14 25 | 2 7 | 17 52 | 1 18 | 22 57 | 0 36 | 0 38 | 0 12 | 22 56 | 0 16 | 17 53 | 1 54 | 10 57 | 0 27 | 5 57 | 1 50 | 25 41 | 12 28 | 19 37 | 19 20 | 11 43 | 16 39 | 3 21 |
| S 16 | 20 46 | 17 34 | 1 1 | 17 17 | 1 12 | 23 1 | 0 34 | 0 23 | 0 11 | 22 55 | 0 16 | 17 55 | 1 54 | 10 57 | 0 27 | 5 57 | 1 50 | 25 40 | 12 28 | 19 37 | 19 19 | 11 41 | 16 38 | 3 21 |
| S 17 | 20 35 | 19 53 | 0n10 | 16 41 | 1 6 | 23 3 | 0 31 | 0 7 | 0 10 | 22 53 | 0 16 | 17 56 | 1 54 | 10 57 | 0 27 | 5 58 | 1 50 | 25 40 | 12 28 | 19 37 | 19 18 | 11 39 | 16 38 | 3 20 |
| M18 | 20 23 | 21 6 | 1 23 | 16 4 | 0 59 | 23 6 | 0 28 | 0s 8 | 0 10 | 22 52 | 0 16 | 17 57 | 1 54 | 10 58 | 0 27 | 5 58 | 1 50 | 25 39 | 12 28 | 19 37 | 19 17 | 11 37 | 16 38 | 3 20 |
| T 19 | 20 10 | 20 59 | 2 34 | 15 27 | 0 53 | 23 7 | 0 25 | 0 24 | 0 9 | 22 50 | 0 16 | 17 58 | 1 55 | 10 58 | 0 27 | 5 58 | 1 50 | 25 38 | 12 28 | 19 36 | 19 17 | 11 35 | 16 38 | 3 20 |
| W20 | 19 58 | 19 26 | 3 36 | 14 50 | 0 46 | 23 8 | 0 22 | 0 40 | 0 8 | 22 49 | 0 16 | 17 59 | 1 55 | 10 58 | 0 27 | 5 59 | 1 50 | 25 37 | 12 27 | 19 35 | 19 16 | 11 33 | 16 38 | 3 20 |
| T 21 | 19 45 | 16 31 | 4 24 | 14 12 | 0 38 | 23 8 | 0 19 | 0 55 | 0 7 | 22 47 | 0 16 | 18 0 | 1 55 | 10 59 | 0 27 | 5 59 | 1 50 | 25 37 | 12 27 | 19 33 | 19 15 | 11 31 | 16 38 | 3 20 |
| F 22 | 19 32 | 12 26 | 4 54 | 13 34 | 0 31 | 23 7 | 0 17 | 1 11 | 0 6 | 22 46 | 0 16 | 18 0 | 1 55 | 10 59 | 0 27 | 5 59 | 1 50 | 25 36 | 12 27 | 19 31 | 19 14 | 11 29 | 16 38 | 3 20 |
| S 23 | 19 18 | 7 34 | 5 3 | 12 56 | 0 23 | 23 6 | 0 14 | 1 27 | 0 5 | 22 44 | 0 17 | 18 1 | 1 55 | 10 59 | 0 27 | 6 0 | 1 50 | 25 35 | 12 27 | 19 29 | 19 14 | 11 27 | 16 38 | 3 20 |
| S 24 | 19 4 | 2 18 | 4 50 | 12 18 | 0 15 | 23 4 | 0 11 | 1 43 | 0 4 | 22 43 | 0 17 | 18 2 | 1 55 | 11 0 | 0 27 | 6 0 | 1 50 | 25 35 | 12 27 | 19 27 | 19 13 | 11 24 | 16 38 | 3 20 |
| M25 | 18 50 | 2n59 | 4 19 | 11 39 | 0 6 | 23 2 | 0 8 | 1 59 | 0 3 | 22 41 | 0 17 | 18 3 | 1 55 | 11 0 | 0 27 | 6 0 | 1 50 | 25 34 | 12 27 | 19 25 | 19 12 | 11 22 | 16 38 | 3 20 |
| T 26 | 18 36 | 7 58 | 3 32 | 11 1 | 0s 2 | 22 58 | 0 5 | 2 15 | 0 2 | 22 40 | 0 17 | 18 4 | 1 55 | 11 1 | 0 27 | 6 1 | 1 49 | 25 33 | 12 27 | 19 24 | 19 11 | 11 20 | 16 38 | 3 19 |
| W27 | 18 21 | 12 21 | 2 34 | 10 23 | 0 11 | 22 54 | 0 3 | 2 30 | 0 2 | 22 38 | 0 17 | 18 5 | 1 56 | 11 1 | 0 27 | 6 1 | 1 49 | 25 32 | 12 27 | 19 23 | 19 10 | 11 18 | 16 39 | 3 19 |
| T 28 | 18 6 | 15 59 | 1 30 | 9 45 | 0 20 | 22 50 | 0n 0 | 2 46 | 0 1 | 22 36 | 0 17 | 18 6 | 1 56 | 11 2 | 0 27 | 6 2 | 1 49 | 25 32 | 12 27 | 19 23 | 19 10 | 11 16 | 16 39 | 3 19 |
| F 29 | 17 50 | 18 42 | 0 22 | 9 8 | 0 29 | 22 45 | 0 3 | 3 2 | 0s 0 | 22 35 | 0 17 | 18 6 | 1 56 | 11 2 | 0 27 | 6 2 | 1 49 | 25 31 | 12 27 | 19 23 | 19 9 | 11 14 | 16 39 | 3 19 |
| S 30 | 17 34 | 20 26 | 0s44 | 8 30 | 0 39 | 22 39 | 0 6 | 3 18 | 0 1 | 22 33 | 0 17 | 18 7 | 1 56 | 11 3 | 0 27 | 6 3 | 1 49 | 25 30 | 12 27 | 19 23 | 19 8 | 11 12 | 16 39 | 3 19 |
| S 31 | 17n18 | 21n 8 | 1s48 | 7n53 | 0s48 | 22n32 | 0n 8 | 3s34 | 0s 2 | 22n31 | 0n17 | 18n 8 | 1s56 | 11s 3 | 0n27 | 6s 3 | 1n49 | 25n29 | 12n27 | 19s23 | 19s 7 | 11n10 | 16s39 | 3n19 |

Julian Day Number = 2075531.5, Delta T = 26m56s
Ecliptic obliquity = 23°34'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'32, Lahiri = 9°30'33 Julian Calendar 1 July 970 == Greg. Calendar 6 July 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## AUGUST 970 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 57 26 | 12♌53'56 | 29♊ 2 | 9♍13 | 18♋54 | 9♎32 | 19♋ 5 | 28♉57 | 29♎51 | 19♎41 | 23♌27 | 26°R 1 | 24♏57 | 16♌28 | 28♏17 | M 1 |
| T 2 | 21 1 22 | 13°51'47 | 11♋ 3 | 10°25 | 20° 8 | 10°10 | 19°17 | 29° 0 | 29°52 | 19°42 | 23°29 | 25♏55 | 24°54 | 16°35 | 28°17 | T 2 |
| W 3 | 21 5 19 | 14°49'39 | 22°59 | 11°35 | 21°21 | 10°49 | 19°30 | 29° 4 | 29°54 | 19°43 | 23°31 | 25°45 | 24°51 | 16°42 | 28°18 | W 3 |
| T 4 | 21 9 15 | 15°47'32 | 4♌52 | 12°43 | 22°34 | 11°28 | 19°43 | 29° 8 | 29°55 | 19°45 | 23°33 | 25°33 | 24°48 | 16°49 | 28°19 | T 4 |
| F 5 | 21 13 12 | 16°45'27 | 16°44 | 13°49 | 23°47 | 12° 6 | 19°55 | 29°11 | 29°57 | 19°46 | 23°35 | 25°19 | 24°45 | 16°55 | 28°20 | F 5 |
| S 6 | 21 17 8 | 17°43'24 | 28°36 | 14°53 | 25° 0 | 12°45 | 20° 8 | 29°15 | 29°59 | 19°47 | 23°37 | 25° 5 | 24°41 | 17° 2 | 28°21 | S 6 |
| S 7 | 21 21 5 | 18°41'22 | 10♍30 | 15°54 | 26°14 | 13°24 | 20°20 | 29°18 | 0♏ 0 | 19°48 | 23°39 | 24°52 | 24°38 | 17° 9 | 28°22 | S 7 |
| M 8 | 21 25 2 | 19°39'22 | 22°27 | 16°52 | 27°27 | 14° 3 | 20°33 | 29°21 | 0° 2 | 19°50 | 23°41 | 24°40 | 24°35 | 17°15 | 28°23 | M 8 |
| T 9 | 21 28 58 | 20°37'23 | 4♎29 | 17°48 | 28°40 | 14°43 | 20°45 | 29°25 | 0° 4 | 19°51 | 23°43 | 24°31 | 24°32 | 17°22 | 28°24 | T 9 |
| W10 | 21 32 55 | 21°35'26 | 16°40 | 18°41 | 29°54 | 15°22 | 20°58 | 29°28 | 0° 6 | 19°52 | 23°45 | 24°25 | 24°29 | 17°29 | 28°25 | W10 |
| T 11 | 21 36 51 | 22°33'30 | 29° 1 | 19°31 | 1♏ 7 | 16° 1 | 21°10 | 29°31 | 0° 8 | 19°54 | 23°47 | 24°21 | 24°25 | 17°36 | 28°27 | T 11 |
| F 12 | 21 40 48 | 23°31'36 | 11♏38 | 20°17 | 2°21 | 16°41 | 21°22 | 29°33 | 0°10 | 19°55 | 23°49 | 24°20 | 24°22 | 17°42 | 28°28 | F 12 |
| S 13 | 21 44 44 | 24°29'43 | 24°34 | 21° 0 | 3°34 | 17°21 | 21°34 | 29°36 | 0°12 | 19°57 | 23°51 | 24°20 | 24°19 | 17°49 | 28°30 | S 13 |
| S 14 | 21 48 41 | 25°27'52 | 7♐54 | 21°39 | 4°48 | 18° 0 | 21°46 | 29°39 | 0°14 | 19°58 | 23°53 | 24°19 | 24°16 | 17°56 | 28°32 | S 14 |
| M15 | 21 52 37 | 26°26'02 | 21°40 | 22°15 | 6° 2 | 18°40 | 21°59 | 29°41 | 0°16 | 19°59 | 23°55 | 24°18 | 24°13 | 18° 2 | 28°33 | M15 |
| T 16 | 21 56 34 | 27°24'14 | 5♑54 | 22°46 | 7°15 | 19°20 | 22°11 | 29°44 | 0°18 | 20° 1 | 23°57 | 24°14 | 24°10 | 18° 9 | 28°35 | T 16 |
| W17 | 22 0 31 | 28°22'27 | 20°34 | 23°12 | 8°29 | 20° 0 | 22°23 | 29°46 | 0°20 | 20° 3 | 23°59 | 24° 8 | 24° 6 | 18°16 | 28°37 | W17 |
| T 18 | 22 4 27 | 29°20'42 | 5♒37 | 23°34 | 9°43 | 20°40 | 22°34 | 29°48 | 0°22 | 20° 4 | 24° 1 | 23°59 | 24° 3 | 18°23 | 28°39 | T 18 |
| F 19 | 22 8 24 | 0♍18'58 | 20°53 | 23°51 | 10°57 | 21°20 | 22°46 | 29°51 | 0°25 | 20° 6 | 24° 4 | 23°49 | 24° 0 | 18°29 | 28°41 | F 19 |
| S 20 | 22 12 20 | 1°17'16 | 6♓12 | 24° 2 | 12°11 | 22° 0 | 22°58 | 29°53 | 0°27 | 20° 7 | 24° 6 | 23°38 | 23°57 | 18°36 | 28°44 | S 20 |
| S 21 | 22 16 17 | 2°15'36 | 21°23 | 24°R 7 | 13°25 | 22°40 | 23°10 | 29°55 | 0°29 | 20° 9 | 24° 8 | 23°28 | 23°54 | 18°43 | 28°46 | S 21 |
| M22 | 22 20 13 | 3°13'58 | 6♈14 | 24° 6 | 14°39 | 23°21 | 23°22 | 29°56 | 0°32 | 20°11 | 24°10 | 23°20 | 23°51 | 18°50 | 28°48 | M22 |
| T 23 | 22 24 10 | 4°12'22 | 20°39 | 23°59 | 15°53 | 24° 1 | 23°33 | 29°58 | 0°34 | 20°12 | 24°12 | 23°14 | 23°47 | 18°56 | 28°51 | T 23 |
| W24 | 22 28 6 | 5°10'48 | 4♉35 | 23°46 | 17° 7 | 24°42 | 23°45 | 29°59 | 0°37 | 20°14 | 24°14 | 23°11 | 23°44 | 19° 3 | 28°54 | W24 |
| T 25 | 22 32 3 | 6° 9'17 | 18° 2 | 23°25 | 18°21 | 25°23 | 23°56 | 0♊ 1 | 0°39 | 20°16 | 24°16 | 23°D10 | 23°41 | 19°10 | 28°56 | T 25 |
| F 26 | 22 35 59 | 7° 7'48 | 1♊ 2 | 22°58 | 19°35 | 26° 3 | 24° 7 | 0° 3 | 0°42 | 20°17 | 24°18 | 23°R10 | 23°38 | 19°16 | 28°59 | F 26 |
| S 27 | 22 39 56 | 8° 6'21 | 13°38 | 22°24 | 20°49 | 26°44 | 24°19 | 0° 4 | 0°44 | 20°19 | 24°20 | 23°10 | 23°35 | 19°23 | 29° 2 | S 27 |
| S 28 | 22 43 53 | 9° 4'56 | 25°57 | 21°43 | 22° 3 | 27°25 | 24°30 | 0° 5 | 0°47 | 20°21 | 24°22 | 23° 8 | 23°31 | 19°30 | 29° 5 | S 28 |
| M29 | 22 47 49 | 10° 3'34 | 8♋ 3 | 20°56 | 23°18 | 28° 6 | 24°41 | 0° 6 | 0°50 | 20°23 | 24°24 | 23° 5 | 23°28 | 19°37 | 29° 8 | M29 |
| T 30 | 22 51 46 | 11° 2'13 | 20° 0 | 20° 3 | 24°32 | 28°47 | 24°52 | 0° 7 | 0°52 | 20°25 | 24°26 | 22°59 | 23°25 | 19°43 | 29°11 | T 30 |
| W31 | 22 55 42 | 12♍ 0'55 | 1♌53 | 19♍ 6 | 25♌46 | 29♎28 | 25♋ 3 | 0♊ 8 | 0♏55 | 20♎26 | 24♌28 | 22♏51 | 23♏22 | 19♌50 | 29♏14 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n 2 | 20n49 | 2s45 | 7n16 | 0s57 | 22n25 | 0n11 | 3s50 | 0s 3 | 22n30 | 0n18 | 18n 9 | 1s56 | 11s 4 | 0n27 | 6s 4 | 1n49 | 25n29 | 12n27 | 19s22 | 19s 7 | 11n 8 | 16s39 | 3n19 |
| T 2 | 16 45 | 19 33 | 3 34 | 6 40 | 1 7 | 22 17 | 0 14 | 4 6 | 0 4 | 22 28 | 0 18 | 18 9 | 1 56 | 11 4 | 0 27 | 6 4 | 1 49 | 25 28 | 12 27 | 19 20 | 19 6 | 11 6 | 16 40 | 3 19 |
| W 3 | 16 29 | 17 27 | 4 13 | 6 4 | 1 17 | 22 8 | 0 16 | 4 22 | 0 4 | 22 26 | 0 18 | 18 10 | 1 57 | 11 5 | 0 27 | 6 4 | 1 49 | 25 27 | 12 27 | 19 18 | 19 5 | 11 3 | 16 40 | 3 18 |
| T 4 | 16 11 | 14 37 | 4 41 | 5 29 | 1 26 | 21 59 | 0 19 | 4 38 | 0 5 | 22 25 | 0 18 | 18 11 | 1 57 | 11 5 | 0 27 | 6 5 | 1 49 | 25 27 | 12 27 | 19 15 | 19 4 | 11 1 | 16 40 | 3 18 |
| F 5 | 15 54 | 11 12 | 4 56 | 4 55 | 1 36 | 21 49 | 0 22 | 4 54 | 0 6 | 22 23 | 0 18 | 18 11 | 1 57 | 11 6 | 0 27 | 6 5 | 1 49 | 25 26 | 12 27 | 19 12 | 19 4 | 10 59 | 16 41 | 3 18 |
| S 6 | 15 36 | 7 21 | 4 59 | 4 21 | 1 46 | 21 39 | 0 24 | 5 10 | 0 7 | 22 21 | 0 18 | 18 12 | 1 57 | 11 7 | 0 27 | 6 6 | 1 49 | 25 25 | 12 27 | 19 9 | 19 3 | 10 57 | 16 41 | 3 18 |
| S 7 | 15 18 | 3 13 | 4 49 | 3 49 | 1 56 | 21 27 | 0 27 | 5 26 | 0 8 | 22 19 | 0 18 | 18 12 | 1 57 | 11 7 | 0 27 | 6 7 | 1 49 | 25 25 | 12 27 | 19 5 | 19 2 | 10 55 | 16 41 | 3 18 |
| M 8 | 15 0 | 1s 3 | 4 26 | 3 17 | 2 6 | 21 16 | 0 29 | 5 42 | 0 8 | 22 18 | 0 18 | 18 13 | 1 57 | 11 8 | 0 27 | 6 7 | 1 49 | 25 24 | 12 27 | 19 2 | 19 1 | 10 53 | 16 42 | 3 18 |
| T 9 | 14 42 | 5 19 | 3 51 | 2 46 | 2 16 | 21 3 | 0 32 | 5 58 | 0 9 | 22 16 | 0 19 | 18 13 | 1 57 | 11 9 | 0 27 | 6 8 | 1 49 | 25 23 | 12 27 | 19 0 | 19 0 | 10 51 | 16 42 | 3 18 |
| W10 | 14 23 | 9 25 | 3 5 | 2 17 | 2 25 | 20 50 | 0 34 | 6 14 | 0 10 | 22 14 | 0 19 | 18 14 | 1 58 | 11 9 | 0 26 | 6 8 | 1 49 | 25 23 | 12 27 | 18 59 | 19 0 | 10 49 | 16 43 | 3 17 |
| T 11 | 14 4 | 13 12 | 2 9 | 1 48 | 2 35 | 20 37 | 0 36 | 6 30 | 0 11 | 22 12 | 0 19 | 18 14 | 1 58 | 11 10 | 0 26 | 6 9 | 1 49 | 25 22 | 12 27 | 18 58 | 18 59 | 10 47 | 16 43 | 3 17 |
| F 12 | 13 45 | 16 28 | 1 7 | 1 21 | 2 44 | 20 22 | 0 39 | 6 46 | 0 12 | 22 10 | 0 19 | 18 15 | 1 58 | 11 11 | 0 26 | 6 9 | 1 49 | 25 21 | 12 27 | 18 57 | 18 58 | 10 45 | 16 43 | 3 17 |
| S 13 | 13 26 | 19 0 | 0n 1 | 0 56 | 2 53 | 20 8 | 0 41 | 7 2 | 0 12 | 22 9 | 0 19 | 18 15 | 1 58 | 11 11 | 0 26 | 6 10 | 1 49 | 25 21 | 12 27 | 18 57 | 18 57 | 10 42 | 16 44 | 3 17 |
| S 14 | 13 6 | 20 35 | 1 11 | 0 32 | 3 3 | 19 52 | 0 43 | 7 18 | 0 13 | 22 7 | 0 19 | 18 16 | 1 58 | 11 12 | 0 26 | 6 10 | 1 48 | 25 20 | 12 28 | 18 57 | 18 56 | 10 40 | 16 44 | 3 17 |
| M15 | 12 46 | 21 0 | 2 19 | 0 10 | 3 11 | 19 36 | 0 45 | 7 34 | 0 14 | 22 5 | 0 19 | 18 16 | 1 58 | 11 13 | 0 26 | 6 11 | 1 48 | 25 19 | 12 28 | 18 57 | 18 56 | 10 38 | 16 45 | 3 17 |
| T 16 | 12 26 | 20 6 | 3 21 | 0s10 | 3 20 | 19 20 | 0 48 | 7 50 | 0 15 | 22 3 | 0 19 | 18 17 | 1 58 | 11 14 | 0 26 | 6 12 | 1 48 | 25 19 | 12 28 | 18 56 | 18 55 | 10 36 | 16 45 | 3 17 |
| W17 | 12 6 | 17 51 | 4 11 | 0 28 | 3 28 | 19 2 | 0 50 | 8 6 | 0 16 | 22 1 | 0 20 | 18 17 | 1 59 | 11 15 | 0 26 | 6 12 | 1 48 | 25 18 | 12 28 | 18 55 | 18 54 | 10 34 | 16 46 | 3 16 |
| T 18 | 11 46 | 14 21 | 4 45 | 0 43 | 3 35 | 18 45 | 0 52 | 8 22 | 0 16 | 22 0 | 0 20 | 18 17 | 1 59 | 11 15 | 0 26 | 6 13 | 1 48 | 25 17 | 12 28 | 18 52 | 18 53 | 10 32 | 16 47 | 3 16 |
| F 19 | 11 25 | 9 52 | 5 0 | 0 56 | 3 42 | 18 27 | 0 54 | 8 38 | 0 17 | 21 58 | 0 20 | 18 18 | 1 59 | 11 16 | 0 26 | 6 14 | 1 48 | 25 17 | 12 28 | 18 50 | 18 53 | 10 30 | 16 47 | 3 16 |
| S 20 | 11 5 | 4 44 | 4 53 | 1 7 | 3 49 | 18 8 | 0 56 | 8 53 | 0 18 | 21 56 | 0 20 | 18 18 | 1 59 | 11 17 | 0 26 | 6 14 | 1 48 | 25 16 | 12 28 | 18 47 | 18 52 | 10 28 | 16 48 | 3 16 |
| S 21 | 10 44 | 0n38 | 4 26 | 1 14 | 3 54 | 17 49 | 0 58 | 9 9 | 0 19 | 21 54 | 0 20 | 18 18 | 1 59 | 11 18 | 0 26 | 6 15 | 1 48 | 25 16 | 12 28 | 18 45 | 18 51 | 10 25 | 16 48 | 3 16 |
| M22 | 10 23 | 5 52 | 3 41 | 1 18 | 3 59 | 17 29 | 1 0 | 9 25 | 0 19 | 21 52 | 0 20 | 18 18 | 1 59 | 11 19 | 0 26 | 6 16 | 1 48 | 25 15 | 12 28 | 18 42 | 18 50 | 10 23 | 16 49 | 3 16 |
| T 23 | 10 1 | 10 37 | 2 43 | 1 19 | 4 3 | 17 8 | 1 1 | 9 41 | 0 20 | 21 50 | 0 20 | 18 19 | 2 0 | 11 20 | 0 26 | 6 16 | 1 48 | 25 14 | 12 28 | 18 41 | 18 49 | 10 21 | 16 50 | 3 16 |
| W24 | 9 40 | 14 38 | 1 37 | 1 16 | 4 6 | 16 48 | 1 3 | 9 56 | 0 21 | 21 48 | 0 20 | 18 19 | 2 0 | 11 21 | 0 26 | 6 17 | 1 48 | 25 14 | 12 29 | 18 40 | 18 49 | 10 19 | 16 50 | 3 16 |
| T 25 | 9 18 | 17 44 | 0 27 | 1 9 | 4 7 | 16 26 | 1 5 | 10 12 | 0 21 | 21 47 | 0 21 | 18 19 | 2 0 | 11 21 | 0 26 | 6 18 | 1 48 | 25 13 | 12 29 | 18 40 | 18 48 | 10 17 | 16 51 | 3 15 |
| F 26 | 8 56 | 19 48 | 0s42 | 0 58 | 4 7 | 16 5 | 1 6 | 10 28 | 0 22 | 21 45 | 0 21 | 18 19 | 2 0 | 11 22 | 0 26 | 6 18 | 1 48 | 25 13 | 12 29 | 18 40 | 18 47 | 10 15 | 16 52 | 3 15 |
| S 27 | 8 35 | 20 48 | 1 46 | 0 43 | 4 5 | 15 42 | 1 8 | 10 43 | 0 23 | 21 43 | 0 21 | 18 19 | 2 0 | 11 23 | 0 26 | 6 19 | 1 48 | 25 12 | 12 29 | 18 40 | 18 46 | 10 13 | 16 53 | 3 15 |
| S 28 | 8 12 | 20 46 | 2 44 | 0 24 | 4 2 | 15 20 | 1 10 | 10 59 | 0 24 | 21 41 | 0 21 | 18 19 | 2 0 | 11 24 | 0 26 | 6 20 | 1 48 | 25 12 | 12 29 | 18 40 | 18 45 | 10 11 | 16 53 | 3 15 |
| M29 | 7 50 | 19 46 | 3 34 | 0 1 | 3 57 | 14 57 | 1 11 | 11 14 | 0 24 | 21 39 | 0 21 | 18 19 | 2 0 | 11 25 | 0 26 | 6 20 | 1 48 | 25 11 | 12 29 | 18 39 | 18 45 | 10 8 | 16 54 | 3 15 |
| T 30 | 7 28 | 17 53 | 4 14 | 0n26 | 3 50 | 14 33 | 1 12 | 11 30 | 0 25 | 21 37 | 0 21 | 18 19 | 2 1 | 11 26 | 0 26 | 6 21 | 1 48 | 25 10 | 12 30 | 18 37 | 18 44 | 10 6 | 16 55 | 3 15 |
| W31 | 7n 6 | 15n16 | 4s42 | 0n57 | 3s42 | 14n 9 | 1n14 | 11s45 | 0s26 | 21n35 | 0n21 | 18n19 | 2s 1 | 11s27 | 0n26 | 6s22 | 1n48 | 25n10 | 12n30 | 18s35 | 18s43 | 10n 4 | 16s56 | 3n15 |

Julian Day Number = 2075562.5, Delta T = 26m55s
Ecliptic obliquity = 23°34'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'36, Lahiri = 9°30'37 Julian Calendar 1 Aug. 970 == Greg. Calendar 6 Aug. 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## SEPTEMBER 970 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 59 39 | 12♍59'39 | 13♌44 | 18°R 4 | 27♌ 1 | 0♏10 | 25♋14 | 0♊ 9 | 0♏58 | 20♎28 | 24♌30 | 22°R40 | 23♏19 | 19♌57 | 29♏17 | T 1 |
| F 2 | 23 3 35 | 13°58'25 | 25°36 | 17♍ 0 | 28°15 | 0°51 | 25°25 | 0°10 | 1° 1 | 20°30 | 24°32 | 22♏27 | 23°16 | 20° 3 | 29°21 | F 2 |
| S 3 | 23 7 32 | 14°57'13 | 7♍31 | 15°54 | 29°29 | 1°32 | 25°36 | 0°10 | 1° 3 | 20°32 | 24°34 | 22°14 | 23°12 | 20°10 | 29°24 | S 3 |
| S 4 | 23 11 28 | 15°56'04 | 19°31 | 14°49 | 0♍44 | 2°14 | 25°46 | 0°11 | 1° 6 | 20°34 | 24°36 | 22° 2 | 23° 9 | 20°17 | 29°28 | S 4 |
| M 5 | 23 15 25 | 16°54'56 | 1♎36 | 13°46 | 1°59 | 2°55 | 25°57 | 0°11 | 1° 9 | 20°36 | 24°38 | 21°51 | 23° 6 | 20°24 | 29°31 | M 5 |
| T 6 | 23 19 22 | 17°53'50 | 13°48 | 12°46 | 3°13 | 3°37 | 26° 7 | 0°11 | 1°12 | 20°38 | 24°39 | 21°43 | 23° 3 | 20°30 | 29°35 | T 6 |
| W 7 | 23 23 18 | 18°52'46 | 26° 8 | 11°51 | 4°28 | 4°19 | 26°18 | 0°R11 | 1°15 | 20°40 | 24°41 | 21°37 | 23° 0 | 20°37 | 29°39 | W 7 |
| T 8 | 23 27 15 | 19°51'44 | 8♏39 | 11° 4 | 5°42 | 5° 1 | 26°28 | 0°11 | 1°18 | 20°42 | 24°43 | 21°34 | 22°57 | 20°44 | 29°42 | T 8 |
| F 9 | 23 31 11 | 20°50'45 | 21°22 | 10°24 | 6°57 | 5°43 | 26°38 | 0°11 | 1°21 | 20°44 | 24°45 | 21°D33 | 22°53 | 20°51 | 29°46 | F 9 |
| S 10 | 23 35 8 | 21°49'46 | 4♐21 | 9°53 | 8°12 | 6°25 | 26°48 | 0°11 | 1°24 | 20°46 | 24°47 | 21°34 | 22°50 | 20°57 | 29°50 | S 10 |
| S 11 | 23 39 4 | 22°48'50 | 17°39 | 9°32 | 9°26 | 7° 7 | 26°58 | 0°10 | 1°27 | 20°48 | 24°49 | 21°R34 | 22°47 | 21° 4 | 29°54 | S 11 |
| M12 | 23 43 1 | 23°47'56 | 1♑18 | 9°21 | 10°41 | 7°49 | 27° 8 | 0°10 | 1°30 | 20°50 | 24°51 | 21°34 | 22°44 | 21°11 | 29°58 | M12 |
| T 13 | 23 46 57 | 24°47'03 | 15°20 | 9°D20 | 11°56 | 8°31 | 27°18 | 0° 9 | 1°34 | 20°52 | 24°53 | 21°32 | 22°41 | 21°17 | 0♐ 3 | T 13 |
| W14 | 23 50 54 | 25°46'12 | 29°45 | 9°30 | 13°11 | 9°14 | 27°28 | 0° 9 | 1°37 | 20°54 | 24°55 | 21°28 | 22°37 | 21°24 | 0° 7 | W14 |
| T 15 | 23 54 51 | 26°45'23 | 14♒30 | 9°51 | 14°25 | 9°56 | 27°37 | 0° 8 | 1°40 | 20°56 | 24°56 | 21°22 | 22°34 | 21°31 | 0°11 | T 15 |
| F 16 | 23 58 47 | 27°44'36 | 29°29 | 10°21 | 15°40 | 10°38 | 27°47 | 0° 7 | 1°43 | 20°58 | 24°58 | 21°15 | 22°31 | 21°38 | 0°16 | F 16 |
| S 17 | 0 2 44 | 28°43'50 | 14♓33 | 11° 0 | 16°55 | 11°21 | 27°56 | 0° 6 | 1°47 | 21° 0 | 25° 0 | 21° 6 | 22°28 | 21°44 | 0°20 | S 17 |
| S 18 | 0 6 40 | 29°43'07 | 29°34 | 11°48 | 18°10 | 12° 4 | 28° 5 | 0° 5 | 1°50 | 21° 2 | 25° 2 | 20°59 | 22°25 | 21°51 | 0°25 | S 18 |
| M19 | 0 10 37 | 0♎42'25 | 14♈20 | 12°44 | 19°25 | 12°46 | 28°15 | 0° 4 | 1°53 | 21° 4 | 25° 3 | 20°52 | 22°22 | 21°58 | 0°29 | M19 |
| T 20 | 0 14 33 | 1°41'46 | 28°46 | 13°47 | 20°40 | 13°29 | 28°24 | 0° 2 | 1°56 | 21° 7 | 25° 5 | 20°48 | 22°18 | 22° 5 | 0°34 | T 20 |
| W21 | 0 18 30 | 2°41'09 | 12♉46 | 14°57 | 21°55 | 14°12 | 28°33 | 0° 1 | 2° 0 | 21° 9 | 25° 7 | 20°46 | 22°15 | 22°11 | 0°39 | W21 |
| T 22 | 0 22 26 | 3°40'34 | 26°18 | 16°12 | 23°10 | 14°55 | 28°41 | 29♉59 | 2° 3 | 21°11 | 25° 9 | 20°D46 | 22°12 | 22°18 | 0°44 | T 22 |
| F 23 | 0 26 23 | 4°40'02 | 9♊23 | 17°32 | 24°25 | 15°38 | 28°50 | 29°58 | 2° 7 | 21°13 | 25°10 | 20°47 | 22° 9 | 22°25 | 0°49 | F 23 |
| S 24 | 0 30 19 | 5°39'32 | 22° 4 | 18°57 | 25°40 | 16°21 | 28°59 | 29°56 | 2°10 | 21°15 | 25°12 | 20°48 | 22° 6 | 22°31 | 0°53 | S 24 |
| S 25 | 0 34 16 | 6°39'05 | 4♋26 | 20°25 | 26°55 | 17° 4 | 29° 7 | 29°54 | 2°13 | 21°17 | 25°14 | 20°R49 | 22° 2 | 22°38 | 0°59 | S 25 |
| M26 | 0 38 13 | 7°38'40 | 16°34 | 21°56 | 28°10 | 17°47 | 29°15 | 29°52 | 2°17 | 21°20 | 25°15 | 20°49 | 21°59 | 22°45 | 1° 4 | M26 |
| T 27 | 0 42 9 | 8°38'17 | 28°31 | 23°29 | 29°25 | 18°31 | 29°24 | 29°50 | 2°20 | 21°22 | 25°17 | 20°46 | 21°56 | 22°52 | 1° 9 | T 27 |
| W28 | 0 46 6 | 9°37'56 | 10♌24 | 25° 5 | 0♎40 | 19°14 | 29°32 | 29°48 | 2°24 | 21°24 | 25°18 | 20°42 | 21°53 | 22°58 | 1°14 | W28 |
| T 29 | 0 50 2 | 10°37'38 | 22°15 | 26°42 | 1°55 | 19°57 | 29°40 | 29°46 | 2°27 | 21°26 | 25°20 | 20°37 | 21°50 | 23° 5 | 1°19 | T 29 |
| F 30 | 0 53 59 | 11♎37'21 | 4♍ 9 | 28♍20 | 3♎11 | 20♏41 | 29♋47 | 29♉43 | 2♏31 | 21♎28 | 25♌22 | 20♏30 | 21♏47 | 23♌12 | 1♐25 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n43 | 12n 2 | 4s58 | 1n31 | 3s31 | 13n45 | 1n15 | 12s 0 | 0s26 | 21n34 | 0n22 | 18n19 | 2s 1 | 11s28 | 0n26 | 6s23 | 1n48 | 25n 9 | 12n30 | 18s32 | 18s42 | 10n 2 | 16s57 | 3n15 |
| F 2 | 6 20 | 8 20 | 5 1 | 2 7 | 3 18 | 13 20 | 1 16 | 12 15 | 0 27 | 21 32 | 0 22 | 18 19 | 2 1 | 11 29 | 0 26 | 6 23 | 1 48 | 25 9 | 12 30 | 18 29 | 18 41 | 10 0 | 16 57 | 3 14 |
| S 3 | 5 58 | 4 18 | 4 51 | 2 46 | 3 3 | 12 55 | 1 17 | 12 30 | 0 28 | 21 30 | 0 22 | 18 19 | 2 1 | 11 30 | 0 26 | 6 24 | 1 48 | 25 8 | 12 30 | 18 26 | 18 41 | 9 58 | 16 58 | 3 14 |
| S 4 | 5 35 | 0 4 | 4 28 | 3 27 | 2 47 | 12 30 | 1 19 | 12 46 | 0 28 | 21 28 | 0 22 | 18 19 | 2 1 | 11 31 | 0 26 | 6 25 | 1 48 | 25 8 | 12 30 | 18 23 | 18 40 | 9 56 | 16 59 | 3 14 |
| M 5 | 5 12 | 4s12 | 3 53 | 4 7 | 2 30 | 12 4 | 1 20 | 13 1 | 0 29 | 21 26 | 0 22 | 18 19 | 2 2 | 11 32 | 0 26 | 6 26 | 1 48 | 25 7 | 12 31 | 18 20 | 18 39 | 9 54 | 17 0 | 3 14 |
| T 6 | 4 49 | 8 20 | 3 7 | 4 47 | 2 11 | 11 38 | 1 21 | 13 16 | 0 30 | 21 24 | 0 22 | 18 19 | 2 2 | 11 33 | 0 26 | 6 26 | 1 48 | 25 7 | 12 31 | 18 18 | 18 38 | 9 51 | 17 1 | 3 14 |
| W 7 | 4 25 | 12 11 | 2 11 | 5 26 | 1 51 | 11 11 | 1 21 | 13 30 | 0 30 | 21 22 | 0 22 | 18 19 | 2 2 | 11 34 | 0 26 | 6 27 | 1 48 | 25 6 | 12 31 | 18 16 | 18 37 | 9 49 | 17 2 | 3 14 |
| T 8 | 4 2 | 15 32 | 1 8 | 6 3 | 1 31 | 10 45 | 1 22 | 13 45 | 0 31 | 21 21 | 0 23 | 18 19 | 2 2 | 11 35 | 0 26 | 6 28 | 1 48 | 25 6 | 12 31 | 18 15 | 18 37 | 9 47 | 17 3 | 3 14 |
| F 9 | 3 39 | 18 13 | 0 1 | 6 37 | 1 11 | 10 18 | 1 23 | 14 0 | 0 32 | 21 19 | 0 23 | 18 19 | 2 2 | 11 36 | 0 26 | 6 29 | 1 48 | 25 5 | 12 32 | 18 15 | 18 36 | 9 45 | 17 4 | 3 14 |
| S 10 | 3 15 | 20 1 | 1n 8 | 7 7 | 0 51 | 9 50 | 1 24 | 14 14 | 0 32 | 21 17 | 0 23 | 18 18 | 2 2 | 11 38 | 0 26 | 6 29 | 1 47 | 25 5 | 12 32 | 18 15 | 18 35 | 9 43 | 17 5 | 3 13 |
| S 11 | 2 52 | 20 45 | 2 15 | 7 33 | 0 31 | 9 23 | 1 24 | 14 29 | 0 33 | 21 15 | 0 23 | 18 18 | 2 2 | 11 39 | 0 26 | 6 30 | 1 47 | 25 5 | 12 32 | 18 15 | 18 34 | 9 41 | 17 6 | 3 13 |
| M12 | 2 29 | 20 18 | 3 16 | 7 55 | 0 13 | 8 55 | 1 25 | 14 43 | 0 34 | 21 13 | 0 23 | 18 18 | 2 3 | 11 40 | 0 26 | 6 31 | 1 47 | 25 4 | 12 32 | 18 15 | 18 33 | 9 39 | 17 6 | 3 13 |
| T 13 | 2 5 | 18 35 | 4 7 | 8 11 | 0n 5 | 8 27 | 1 26 | 14 58 | 0 34 | 21 12 | 0 23 | 18 18 | 2 3 | 11 41 | 0 26 | 6 32 | 1 47 | 25 4 | 12 33 | 18 15 | 18 33 | 9 36 | 17 7 | 3 13 |
| W14 | 1 41 | 15 41 | 4 44 | 8 23 | 0 22 | 7 58 | 1 26 | 15 12 | 0 35 | 21 10 | 0 23 | 18 17 | 2 3 | 11 42 | 0 26 | 6 33 | 1 47 | 25 3 | 12 33 | 18 14 | 18 32 | 9 34 | 17 8 | 3 13 |
| T 15 | 1 18 | 11 44 | 5 4 | 8 30 | 0 37 | 7 29 | 1 26 | 15 26 | 0 36 | 21 8 | 0 24 | 18 17 | 2 3 | 11 43 | 0 26 | 6 33 | 1 47 | 25 3 | 12 33 | 18 12 | 18 31 | 9 32 | 17 9 | 3 13 |
| F 16 | 0 54 | 6 59 | 5 3 | 8 31 | 0 51 | 7 1 | 1 27 | 15 40 | 0 36 | 21 6 | 0 24 | 18 17 | 2 3 | 11 44 | 0 26 | 6 34 | 1 47 | 25 3 | 12 33 | 18 10 | 18 30 | 9 30 | 17 10 | 3 13 |
| S 17 | 0 30 | 1 48 | 4 41 | 8 28 | 1 4 | 6 32 | 1 27 | 15 54 | 0 37 | 21 5 | 0 24 | 18 16 | 2 3 | 11 45 | 0 26 | 6 35 | 1 47 | 25 2 | 12 34 | 18 8 | 18 29 | 9 28 | 17 11 | 3 13 |
| S 18 | 0 7 | 3n29 | 4 0 | 8 20 | 1 15 | 6 2 | 1 27 | 16 8 | 0 37 | 21 3 | 0 24 | 18 16 | 2 4 | 11 47 | 0 26 | 6 36 | 1 47 | 25 2 | 12 34 | 18 6 | 18 28 | 9 26 | 17 12 | 3 13 |
| M19 | 0s17 | 8 30 | 3 3 | 8 8 | 1 25 | 5 33 | 1 27 | 16 22 | 0 38 | 21 1 | 0 24 | 18 16 | 2 4 | 11 48 | 0 25 | 6 37 | 1 47 | 25 1 | 12 34 | 18 4 | 18 28 | 9 24 | 17 14 | 3 13 |
| T 20 | 0 41 | 12 54 | 1 56 | 7 51 | 1 34 | 5 3 | 1 27 | 16 35 | 0 39 | 21 0 | 0 24 | 18 15 | 2 4 | 11 49 | 0 25 | 6 37 | 1 47 | 25 1 | 12 34 | 18 3 | 18 27 | 9 21 | 17 15 | 3 13 |
| W21 | 1 4 | 16 26 | 0 43 | 7 31 | 1 41 | 4 34 | 1 27 | 16 49 | 0 39 | 20 58 | 0 25 | 18 15 | 2 4 | 11 50 | 0 25 | 6 38 | 1 47 | 25 1 | 12 35 | 18 3 | 18 26 | 9 19 | 17 16 | 3 12 |
| T 22 | 1 28 | 18 57 | 0s30 | 7 7 | 1 47 | 4 4 | 1 27 | 17 2 | 0 40 | 20 56 | 0 25 | 18 14 | 2 4 | 11 51 | 0 25 | 6 39 | 1 47 | 25 0 | 12 35 | 18 3 | 18 25 | 9 17 | 17 17 | 3 12 |
| F 23 | 1 52 | 20 21 | 1 39 | 6 40 | 1 52 | 3 34 | 1 27 | 17 15 | 0 40 | 20 55 | 0 25 | 18 14 | 2 4 | 11 52 | 0 25 | 6 40 | 1 47 | 25 0 | 12 35 | 18 3 | 18 24 | 9 15 | 17 18 | 3 12 |
| S 24 | 2 16 | 20 39 | 2 41 | 6 10 | 1 55 | 3 3 | 1 27 | 17 28 | 0 41 | 20 53 | 0 25 | 18 13 | 2 4 | 11 54 | 0 25 | 6 41 | 1 47 | 25 0 | 12 36 | 18 3 | 18 24 | 9 13 | 17 19 | 3 12 |
| S 25 | 2 39 | 19 56 | 3 34 | 5 37 | 1 58 | 2 33 | 1 26 | 17 41 | 0 42 | 20 52 | 0 25 | 18 13 | 2 4 | 11 55 | 0 25 | 6 42 | 1 47 | 25 0 | 12 36 | 18 3 | 18 23 | 9 11 | 17 20 | 3 12 |
| M26 | 3 3 | 18 18 | 4 16 | 5 3 | 1 59 | 2 3 | 1 26 | 17 54 | 0 42 | 20 50 | 0 25 | 18 12 | 2 5 | 11 56 | 0 25 | 6 42 | 1 47 | 24 59 | 12 36 | 18 3 | 18 22 | 9 9 | 17 21 | 3 12 |
| T 27 | 3 27 | 15 53 | 4 47 | 4 26 | 2 0 | 1 32 | 1 26 | 18 7 | 0 43 | 20 48 | 0 26 | 18 12 | 2 5 | 11 57 | 0 25 | 6 43 | 1 47 | 24 59 | 12 37 | 18 3 | 18 21 | 9 6 | 17 22 | 3 12 |
| W28 | 3 50 | 12 51 | 5 5 | 3 48 | 2 0 | 1 2 | 1 25 | 18 19 | 0 43 | 20 47 | 0 26 | 18 11 | 2 5 | 11 59 | 0 25 | 6 44 | 1 47 | 24 59 | 12 37 | 18 2 | 18 20 | 9 4 | 17 23 | 3 12 |
| T 29 | 4 14 | 9 17 | 5 9 | 3 8 | 1 59 | 0 31 | 1 25 | 18 32 | 0 44 | 20 45 | 0 26 | 18 11 | 2 5 | 12 0 | 0 25 | 6 45 | 1 47 | 24 58 | 12 37 | 18 0 | 18 19 | 9 2 | 17 24 | 3 12 |
| F 30 | 4s37 | 5n22 | 5s 1 | 2n27 | 1n57 | 0n 1 | 1n24 | 18s44 | 0s44 | 20n44 | 0n26 | 18n10 | 2s 5 | 12s 1 | 0n25 | 6s46 | 1n47 | 24n58 | 12n38 | 17s58 | 18s19 | 9n 0 | 17s25 | 3n12 |

Julian Day Number = 2075593.5, Delta T = 26m55s
Ecliptic obliquity = 23°34'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'41, Lahiri = 9°30'41 Julian Calendar 1 Sept. 970 == Greg. Calendar 6 Sept. 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## OCTOBER 970 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 57 55 | 12♎37'07 | 16♍ 9 | 29♍59 | 4♎26 | 21♏25 | 29♋55 | 29°R41 | 2♏35 | 21♎31 | 25♌23 | 20°R22 | 21♏43 | 23♌18 | 1♐30 | S 1 |
| S 2 | 1 1 52 | 13°36'55 | 28°16 | 1♎40 | 5°41 | 22° 8 | 0♌ 3 | 29♉38 | 2°38 | 21°33 | 25°25 | 20♏15 | 21°40 | 23°25 | 1°35 | S 2 |
| M 3 | 1 5 48 | 14°36'46 | 10♎32 | 3°21 | 6°56 | 22°52 | 0°10 | 29°36 | 2°42 | 21°35 | 25°26 | 20° 9 | 21°37 | 23°32 | 1°41 | M 3 |
| T 4 | 1 9 45 | 15°36'38 | 22°58 | 5° 2 | 8°11 | 23°36 | 0°17 | 29°33 | 2°45 | 21°37 | 25°28 | 20° 5 | 21°34 | 23°39 | 1°46 | T 4 |
| W 5 | 1 13 42 | 16°36'32 | 5♏35 | 6°43 | 9°27 | 24°20 | 0°24 | 29°30 | 2°49 | 21°40 | 25°29 | 20° 2 | 21°31 | 23°45 | 1°52 | W 5 |
| T 6 | 1 17 38 | 17°36'28 | 18°23 | 8°24 | 10°42 | 25° 4 | 0°31 | 29°27 | 2°53 | 21°42 | 25°30 | 20°D 1 | 21°28 | 23°52 | 1°58 | T 6 |
| F 7 | 1 21 35 | 18°36'26 | 1♐24 | 10° 5 | 11°57 | 25°48 | 0°38 | 29°24 | 2°56 | 21°44 | 25°32 | 20° 2 | 21°24 | 23°59 | 2° 3 | F 7 |
| S 8 | 1 25 31 | 19°36'26 | 14°37 | 11°46 | 13°13 | 26°32 | 0°45 | 29°21 | 3° 0 | 21°46 | 25°33 | 20° 3 | 21°21 | 24° 6 | 2° 9 | S 8 |
| S 9 | 1 29 28 | 20°36'28 | 28° 4 | 13°26 | 14°28 | 27°16 | 0°51 | 29°18 | 3° 4 | 21°49 | 25°35 | 20° 5 | 21°18 | 24°12 | 2°15 | S 9 |
| M10 | 1 33 24 | 21°36'31 | 11♑46 | 15° 7 | 15°43 | 28° 0 | 0°58 | 29°14 | 3° 7 | 21°51 | 25°36 | 20° 6 | 21°15 | 24°19 | 2°21 | M10 |
| T 11 | 1 37 21 | 22°36'36 | 25°43 | 16°47 | 16°59 | 28°44 | 1° 4 | 29°11 | 3°11 | 21°53 | 25°37 | 20°R 6 | 21°12 | 24°26 | 2°27 | T 11 |
| W12 | 1 41 17 | 23°36'42 | 9♒55 | 18°27 | 18°14 | 29°29 | 1°10 | 29° 7 | 3°15 | 21°55 | 25°38 | 20° 5 | 21° 8 | 24°32 | 2°33 | W12 |
| T 13 | 1 45 14 | 24°36'50 | 24°19 | 20° 6 | 19°29 | 0♐13 | 1°16 | 29° 4 | 3°18 | 21°58 | 25°40 | 20° 3 | 21° 5 | 24°39 | 2°39 | T 13 |
| F 14 | 1 49 11 | 25°36'59 | 8♓53 | 21°45 | 20°45 | 0°58 | 1°21 | 29° 0 | 3°22 | 22° 0 | 25°41 | 20° 0 | 21° 2 | 24°46 | 2°45 | F 14 |
| S 15 | 1 53 7 | 26°37'10 | 23°31 | 23°24 | 22° 0 | 1°42 | 1°27 | 28°57 | 3°26 | 22° 2 | 25°42 | 19°57 | 20°59 | 24°53 | 2°51 | S 15 |
| S 16 | 1 57 4 | 27°37'23 | 8♈ 6 | 25° 2 | 23°15 | 2°27 | 1°32 | 28°53 | 3°29 | 22° 4 | 25°43 | 19°54 | 20°56 | 24°59 | 2°57 | S 16 |
| M17 | 2 1 0 | 28°37'37 | 22°33 | 26°40 | 24°31 | 3°11 | 1°38 | 28°49 | 3°33 | 22° 6 | 25°44 | 19°51 | 20°53 | 25° 6 | 3° 3 | M17 |
| T 18 | 2 4 57 | 29°37'53 | 6♉44 | 28°17 | 25°46 | 3°56 | 1°43 | 28°45 | 3°37 | 22° 9 | 25°45 | 19°50 | 20°49 | 25°13 | 3° 9 | T 18 |
| W19 | 2 8 53 | 0♏38'12 | 20°36 | 29°54 | 27° 1 | 4°41 | 1°48 | 28°41 | 3°41 | 22°11 | 25°47 | 19°D49 | 20°46 | 25°19 | 3°15 | W19 |
| T 20 | 2 12 50 | 1°38'31 | 4♊ 6 | 1♏31 | 28°17 | 5°26 | 1°52 | 28°37 | 3°44 | 22°13 | 25°48 | 19°50 | 20°43 | 25°26 | 3°22 | T 20 |
| F 21 | 2 16 46 | 2°38'53 | 17°12 | 3° 7 | 29°32 | 6°11 | 1°57 | 28°33 | 3°48 | 22°15 | 25°49 | 19°51 | 20°40 | 25°33 | 3°28 | F 21 |
| S 22 | 2 20 43 | 3°39'17 | 29°57 | 4°43 | 0♏48 | 6°56 | 2° 1 | 28°29 | 3°52 | 22°18 | 25°50 | 19°52 | 20°37 | 25°40 | 3°34 | S 22 |
| S 23 | 2 24 40 | 4°39'43 | 12♋23 | 6°19 | 2° 3 | 7°41 | 2° 6 | 28°24 | 3°56 | 22°20 | 25°51 | 19°53 | 20°33 | 25°46 | 3°41 | S 23 |
| M24 | 2 28 36 | 5°40'10 | 24°34 | 7°54 | 3°19 | 8°26 | 2°10 | 28°20 | 3°59 | 22°22 | 25°52 | 19°54 | 20°30 | 25°53 | 3°47 | M24 |
| T 25 | 2 32 33 | 6°40'40 | 6♌34 | 9°29 | 4°34 | 9°11 | 2°14 | 28°16 | 4° 3 | 22°24 | 25°53 | 19°R55 | 20°27 | 26° 0 | 3°53 | T 25 |
| W26 | 2 36 29 | 7°41'11 | 18°28 | 11° 4 | 5°49 | 9°56 | 2°17 | 28°11 | 4° 7 | 22°26 | 25°53 | 19°54 | 20°24 | 26° 7 | 4° 0 | W26 |
| T 27 | 2 40 26 | 8°41'44 | 0♍20 | 12°38 | 7° 5 | 10°42 | 2°21 | 28° 7 | 4°11 | 22°29 | 25°54 | 19°54 | 20°21 | 26°13 | 4° 6 | T 27 |
| F 28 | 2 44 22 | 9°42'19 | 12°15 | 14°12 | 8°20 | 11°27 | 2°24 | 28° 2 | 4°14 | 22°31 | 25°55 | 19°52 | 20°18 | 26°20 | 4°13 | F 28 |
| S 29 | 2 48 19 | 10°42'56 | 24°18 | 15°47 | 9°36 | 12°12 | 2°27 | 27°58 | 4°18 | 22°33 | 25°56 | 19°51 | 20°14 | 26°27 | 4°20 | S 29 |
| S 30 | 2 52 15 | 11°43'35 | 6♎30 | 17°20 | 10°51 | 12°58 | 2°30 | 27°53 | 4°22 | 22°35 | 25°57 | 19°50 | 20°11 | 26°33 | 4°26 | S 30 |
| M31 | 2 56 12 | 12♏44'15 | 18♎56 | 18♏54 | 12♏ 7 | 13♐43 | 2♌33 | 27♉48 | 4♏25 | 22♎37 | 25♌57 | 19♏49 | 20♏ 8 | 26♌40 | 4♐33 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 1 | 1n13 | 4s39 | 1n45 | 1n55 | 0s30 | 1n23 | 18s56 | 0s45 | 20n42 | 0n26 | 18n 9 | 2s 5 | 12s 2 | 0n25 | 6s47 | 1n47 | 24n58 | 12n38 | 17s56 | 18s18 | 8n58 | 17s27 | 3n12 |
| S 2 | 5 24 | 3s 3 | 4 5 | 1 3 | 1 52 | 1 0 | 1 23 | 19 8 | 0 45 | 20 41 | 0 26 | 18 9 | 2 5 | 12 4 | 0 25 | 6 47 | 1 47 | 24 58 | 12 38 | 17 54 | 18 17 | 8 56 | 17 28 | 3 12 |
| M 3 | 5 47 | 7 14 | 3 18 | 0 20 | 1 49 | 1 31 | 1 22 | 19 20 | 0 46 | 20 40 | 0 27 | 18 8 | 2 5 | 12 5 | 0 25 | 6 48 | 1 47 | 24 58 | 12 39 | 17 53 | 18 16 | 8 54 | 17 29 | 3 12 |
| T 4 | 6 11 | 11 11 | 2 22 | 0s24 | 1 45 | 2 2 | 1 21 | 19 31 | 0 46 | 20 38 | 0 27 | 18 7 | 2 5 | 12 6 | 0 25 | 6 49 | 1 47 | 24 57 | 12 39 | 17 52 | 18 15 | 8 51 | 17 30 | 3 12 |
| W 5 | 6 34 | 14 41 | 1 18 | 1 8 | 1 41 | 2 32 | 1 20 | 19 43 | 0 47 | 20 37 | 0 27 | 18 7 | 2 6 | 12 7 | 0 25 | 6 50 | 1 47 | 24 57 | 12 39 | 17 51 | 18 14 | 8 49 | 17 31 | 3 12 |
| T 6 | 6 57 | 17 32 | 0 9 | 1 53 | 1 36 | 3 3 | 1 19 | 19 54 | 0 47 | 20 36 | 0 27 | 18 6 | 2 6 | 12 9 | 0 25 | 6 51 | 1 47 | 24 57 | 12 40 | 17 51 | 18 14 | 8 47 | 17 32 | 3 12 |
| F 7 | 7 20 | 19 33 | 1n 2 | 2 37 | 1 31 | 3 33 | 1 18 | 20 5 | 0 48 | 20 34 | 0 27 | 18 5 | 2 6 | 12 10 | 0 25 | 6 52 | 1 47 | 24 57 | 12 40 | 17 51 | 18 13 | 8 45 | 17 33 | 3 12 |
| S 8 | 7 43 | 20 31 | 2 11 | 3 21 | 1 26 | 4 4 | 1 17 | 20 16 | 0 48 | 20 33 | 0 28 | 18 4 | 2 6 | 12 11 | 0 25 | 6 52 | 1 47 | 24 57 | 12 40 | 17 51 | 18 12 | 8 43 | 17 35 | 3 12 |
| S 9 | 8 5 | 20 20 | 3 13 | 4 6 | 1 21 | 4 34 | 1 16 | 20 27 | 0 49 | 20 32 | 0 28 | 18 4 | 2 6 | 12 12 | 0 25 | 6 53 | 1 47 | 24 57 | 12 41 | 17 52 | 18 11 | 8 41 | 17 36 | 3 11 |
| M10 | 8 28 | 18 57 | 4 6 | 4 50 | 1 15 | 5 5 | 1 14 | 20 38 | 0 49 | 20 31 | 0 28 | 18 3 | 2 6 | 12 14 | 0 25 | 6 54 | 1 47 | 24 57 | 12 41 | 17 52 | 18 10 | 8 38 | 17 37 | 3 11 |
| T 11 | 8 51 | 16 26 | 4 46 | 5 34 | 1 9 | 5 35 | 1 13 | 20 48 | 0 50 | 20 29 | 0 28 | 18 2 | 2 6 | 12 15 | 0 25 | 6 55 | 1 47 | 24 56 | 12 42 | 17 52 | 18 9 | 8 36 | 17 38 | 3 11 |
| W12 | 9 13 | 12 54 | 5 9 | 6 18 | 1 3 | 6 5 | 1 12 | 20 58 | 0 50 | 20 28 | 0 28 | 18 1 | 2 6 | 12 16 | 0 25 | 6 56 | 1 47 | 24 56 | 12 42 | 17 52 | 18 9 | 8 34 | 17 39 | 3 11 |
| T 13 | 9 35 | 8 34 | 5 13 | 7 1 | 0 57 | 6 35 | 1 11 | 21 8 | 0 51 | 20 27 | 0 29 | 18 0 | 2 6 | 12 17 | 0 25 | 6 57 | 1 47 | 24 56 | 12 42 | 17 51 | 18 8 | 8 32 | 17 40 | 3 11 |
| F 14 | 9 57 | 3 42 | 4 57 | 7 44 | 0 51 | 7 5 | 1 9 | 21 18 | 0 51 | 20 26 | 0 29 | 17 59 | 2 6 | 12 19 | 0 25 | 6 57 | 1 47 | 24 56 | 12 43 | 17 50 | 18 7 | 8 30 | 17 42 | 3 11 |
| S 15 | 10 19 | 1n25 | 4 22 | 8 27 | 0 44 | 7 34 | 1 8 | 21 28 | 0 52 | 20 25 | 0 29 | 17 59 | 2 6 | 12 20 | 0 25 | 6 58 | 1 47 | 24 56 | 12 43 | 17 49 | 18 6 | 8 28 | 17 43 | 3 11 |
| S 16 | 10 41 | 6 26 | 3 30 | 9 9 | 0 38 | 8 4 | 1 6 | 21 37 | 0 52 | 20 24 | 0 29 | 17 58 | 2 6 | 12 21 | 0 25 | 6 59 | 1 47 | 24 56 | 12 44 | 17 49 | 18 5 | 8 25 | 17 44 | 3 11 |
| M17 | 11 3 | 11 3 | 2 25 | 9 51 | 0 31 | 8 33 | 1 4 | 21 46 | 0 53 | 20 23 | 0 29 | 17 57 | 2 7 | 12 23 | 0 25 | 7 0 | 1 47 | 24 56 | 12 44 | 17 48 | 18 4 | 8 23 | 17 45 | 3 11 |
| T 18 | 11 24 | 14 58 | 1 12 | 10 32 | 0 25 | 9 2 | 1 3 | 21 55 | 0 53 | 20 22 | 0 29 | 17 56 | 2 7 | 12 24 | 0 25 | 7 1 | 1 47 | 24 56 | 12 44 | 17 47 | 18 4 | 8 21 | 17 46 | 3 11 |
| W19 | 11 45 | 17 56 | 0s 4 | 11 13 | 0 18 | 9 31 | 1 1 | 22 4 | 0 54 | 20 21 | 0 30 | 17 55 | 2 7 | 12 25 | 0 25 | 7 2 | 1 47 | 24 56 | 12 45 | 17 47 | 18 3 | 8 19 | 17 47 | 3 11 |
| T 20 | 12 7 | 19 48 | 1 18 | 11 53 | 0 11 | 10 0 | 0 59 | 22 13 | 0 54 | 20 20 | 0 30 | 17 54 | 2 7 | 12 26 | 0 25 | 7 2 | 1 47 | 24 56 | 12 45 | 17 47 | 18 2 | 8 17 | 17 49 | 3 11 |
| F 21 | 12 28 | 20 32 | 2 26 | 12 33 | 0 5 | 10 28 | 0 58 | 22 21 | 0 54 | 20 19 | 0 30 | 17 53 | 2 7 | 12 28 | 0 25 | 7 3 | 1 47 | 24 56 | 12 46 | 17 48 | 18 1 | 8 15 | 17 50 | 3 11 |
| S 22 | 12 48 | 20 10 | 3 24 | 13 12 | 0s 2 | 10 56 | 0 56 | 22 29 | 0 55 | 20 19 | 0 30 | 17 52 | 2 7 | 12 29 | 0 25 | 7 4 | 1 47 | 24 56 | 12 46 | 17 48 | 18 0 | 8 13 | 17 51 | 3 11 |
| S 23 | 13 9 | 18 49 | 4 11 | 13 50 | 0 9 | 11 24 | 0 54 | 22 37 | 0 55 | 20 18 | 0 30 | 17 51 | 2 7 | 12 30 | 0 25 | 7 5 | 1 47 | 24 56 | 12 46 | 17 49 | 17 59 | 8 10 | 17 52 | 3 11 |
| M24 | 13 29 | 16 38 | 4 46 | 14 28 | 0 15 | 11 52 | 0 52 | 22 45 | 0 56 | 20 17 | 0 31 | 17 50 | 2 7 | 12 32 | 0 25 | 7 6 | 1 47 | 24 56 | 12 47 | 17 49 | 17 58 | 8 8 | 17 53 | 3 11 |
| T 25 | 13 49 | 13 46 | 5 8 | 15 5 | 0 22 | 12 20 | 0 50 | 22 52 | 0 56 | 20 16 | 0 31 | 17 49 | 2 7 | 12 33 | 0 25 | 7 6 | 1 47 | 24 56 | 12 47 | 17 49 | 17 58 | 8 6 | 17 54 | 3 12 |
| W26 | 14 9 | 10 22 | 5 16 | 15 41 | 0 28 | 12 47 | 0 48 | 23 0 | 0 56 | 20 16 | 0 31 | 17 48 | 2 7 | 12 34 | 0 25 | 7 7 | 1 47 | 24 56 | 12 48 | 17 49 | 17 57 | 8 4 | 17 56 | 3 12 |
| T 27 | 14 29 | 6 34 | 5 11 | 16 16 | 0 35 | 13 13 | 0 46 | 23 7 | 0 57 | 20 15 | 0 31 | 17 47 | 2 7 | 12 35 | 0 25 | 7 8 | 1 47 | 24 57 | 12 48 | 17 49 | 17 56 | 8 2 | 17 57 | 3 12 |
| F 28 | 14 48 | 2 30 | 4 53 | 16 51 | 0 41 | 13 40 | 0 44 | 23 13 | 0 57 | 20 15 | 0 32 | 17 46 | 2 7 | 12 37 | 0 25 | 7 9 | 1 47 | 24 57 | 12 49 | 17 48 | 17 55 | 8 0 | 17 58 | 3 12 |
| S 29 | 15 7 | 1s43 | 4 21 | 17 25 | 0 47 | 14 6 | 0 42 | 23 20 | 0 58 | 20 14 | 0 32 | 17 45 | 2 7 | 12 38 | 0 25 | 7 10 | 1 47 | 24 57 | 12 49 | 17 48 | 17 54 | 7 57 | 17 59 | 3 12 |
| S 30 | 15 26 | 5 55 | 3 38 | 17 58 | 0 54 | 14 32 | 0 40 | 23 26 | 0 58 | 20 14 | 0 32 | 17 44 | 2 7 | 12 39 | 0 25 | 7 10 | 1 47 | 24 57 | 12 50 | 17 48 | 17 53 | 7 55 | 18 0 | 3 12 |
| M31 | 15s45 | 9s58 | 2s43 | 18s30 | 1s 0 | 14s57 | 0n38 | 23s32 | 0s58 | 20n13 | 0n32 | 17n43 | 2s 7 | 12s40 | 0n25 | 7s11 | 1n47 | 24n57 | 12n50 | 17s47 | 17s52 | 7n53 | 18s 1 | 3n12 |

Julian Day Number = 2075623.5, Delta T = 26m54s
Ecliptic obliquity = 23°34'16, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'45, Lahiri = 9°30'45 Julian Calendar 1 Oct. 970 == Greg. Calendar 6 Oct. 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## NOVEMBER 970 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 0 8 | 13♏44'56 | 1♏37 | 20♏27 | 13♏22 | 14♐29 | 2♌36 | 27°R44 | 4♏29 | 22♎39 | 25♌58 | 19°R48 | 20♏ 5 | 26♌47 | 4♐39 | T 1 |
| W 2 | 3 4 5 | 14°45'40 | 14°33 | 22° 0 | 14°38 | 15°14 | 2°38 | 27♉39 | 4°33 | 22°41 | 25°59 | 19°D48 | 20° 2 | 26°54 | 4°46 | W 2 |
| T 3 | 3 8 2 | 15°46'24 | 27°44 | 23°34 | 15°53 | 16° 0 | 2°41 | 27°34 | 4°37 | 22°44 | 26° 0 | 19♏48 | 19°59 | 27° 0 | 4°53 | T 3 |
| F 4 | 3 11 58 | 16°47'10 | 11♐ 9 | 25° 6 | 17° 9 | 16°46 | 2°43 | 27°29 | 4°40 | 22°46 | 26° 0 | 19°48 | 19°55 | 27° 7 | 5° 0 | F 4 |
| S 5 | 3 15 55 | 17°47'58 | 24°48 | 26°39 | 18°24 | 17°32 | 2°44 | 27°24 | 4°44 | 22°48 | 26° 1 | 19°48 | 19°52 | 27°14 | 5° 6 | S 5 |
| S 6 | 3 19 51 | 18°48'46 | 8♑37 | 28°12 | 19°40 | 18°17 | 2°46 | 27°20 | 4°48 | 22°50 | 26° 1 | 19°48 | 19°49 | 27°21 | 5°13 | S 6 |
| M 7 | 3 23 48 | 19°49'36 | 22°35 | 29°44 | 20°55 | 19° 3 | 2°48 | 27°15 | 4°51 | 22°52 | 26° 2 | 19°R48 | 19°46 | 27°27 | 5°20 | M 7 |
| T 8 | 3 27 44 | 20°50'26 | 6♒40 | 1♐16 | 22°11 | 19°49 | 2°49 | 27°10 | 4°55 | 22°54 | 26° 2 | 19°48 | 19°43 | 27°34 | 5°27 | T 8 |
| W 9 | 3 31 41 | 21°51'18 | 20°50 | 2°49 | 23°26 | 20°35 | 2°50 | 27° 5 | 4°59 | 22°56 | 26° 3 | 19°D48 | 19°39 | 27°41 | 5°33 | W 9 |
| T 10 | 3 35 38 | 22°52'10 | 5♓ 2 | 4°21 | 24°42 | 21°21 | 2°51 | 27° 0 | 5° 2 | 22°58 | 26° 3 | 19°48 | 19°36 | 27°47 | 5°40 | T 10 |
| F 11 | 3 39 34 | 23°53'03 | 19°15 | 5°52 | 25°57 | 22° 7 | 2°51 | 26°55 | 5° 6 | 23° 0 | 26° 4 | 19°49 | 19°33 | 27°54 | 5°47 | F 11 |
| S 12 | 3 43 31 | 24°53'57 | 3♈25 | 7°24 | 27°13 | 22°53 | 2°52 | 26°50 | 5° 9 | 23° 2 | 26° 4 | 19°49 | 19°30 | 28° 1 | 5°54 | S 12 |
| S 13 | 3 47 27 | 25°54'52 | 17°30 | 8°56 | 28°28 | 23°39 | 2°52 | 26°45 | 5°13 | 23° 4 | 26° 4 | 19°50 | 19°27 | 28° 8 | 6° 1 | S 13 |
| M14 | 3 51 24 | 26°55'47 | 1♉27 | 10°27 | 29°44 | 24°26 | 2°R52 | 26°40 | 5°16 | 23° 6 | 26° 5 | 19°50 | 19°24 | 28°14 | 6° 8 | M14 |
| T 15 | 3 55 20 | 27°56'44 | 15°13 | 11°58 | 0♐59 | 25°12 | 2°52 | 26°35 | 5°20 | 23° 8 | 26° 5 | 19°R51 | 19°20 | 28°21 | 6°15 | T 15 |
| W16 | 3 59 17 | 28°57'42 | 28°45 | 13°28 | 2°15 | 25°58 | 2°52 | 26°30 | 5°23 | 23°10 | 26° 5 | 19°50 | 19°17 | 28°28 | 6°21 | W16 |
| T 17 | 4 3 13 | 29°58'40 | 12♊ 1 | 14°59 | 3°30 | 26°44 | 2°51 | 26°25 | 5°27 | 23°12 | 26° 5 | 19°50 | 19°14 | 28°34 | 6°28 | T 17 |
| F 18 | 4 7 10 | 0♐59'40 | 25° 0 | 16°29 | 4°46 | 27°31 | 2°51 | 26°20 | 5°30 | 23°14 | 26° 6 | 19°49 | 19°11 | 28°41 | 6°35 | F 18 |
| S 19 | 4 11 7 | 2° 0'41 | 7♋42 | 17°58 | 6° 1 | 28°17 | 2°50 | 26°16 | 5°34 | 23°15 | 26° 6 | 19°47 | 19° 8 | 28°48 | 6°42 | S 19 |
| S 20 | 4 15 3 | 3° 1'42 | 20° 8 | 19°27 | 7°17 | 29° 4 | 2°49 | 26°11 | 5°37 | 23°17 | 26° 6 | 19°45 | 19° 5 | 28°55 | 6°49 | S 20 |
| M21 | 4 19 0 | 4° 2'45 | 2♌20 | 20°55 | 8°32 | 29°50 | 2°48 | 26° 6 | 5°41 | 23°19 | 26° 6 | 19°43 | 19° 1 | 29° 1 | 6°56 | M21 |
| T 22 | 4 22 56 | 5° 3'49 | 14°21 | 22°22 | 9°47 | 0♑37 | 2°46 | 26° 1 | 5°44 | 23°21 | 26° 6 | 19°41 | 18°58 | 29° 8 | 7° 3 | T 22 |
| W23 | 4 26 53 | 6° 4'53 | 26°16 | 23°48 | 11° 3 | 1°23 | 2°44 | 25°56 | 5°48 | 23°23 | 26°R 6 | 19°40 | 18°55 | 29°15 | 7°10 | W23 |
| T 24 | 4 30 49 | 7° 5'59 | 8♍ 8 | 25°13 | 12°18 | 2°10 | 2°43 | 25°51 | 5°51 | 23°24 | 26° 6 | 19°D40 | 18°52 | 29°22 | 7°17 | T 24 |
| F 25 | 4 34 46 | 8° 7'05 | 20° 2 | 26°37 | 13°34 | 2°57 | 2°40 | 25°46 | 5°54 | 23°26 | 26° 6 | 19°40 | 18°49 | 29°28 | 7°24 | F 25 |
| S 26 | 4 38 42 | 9° 8'13 | 2♎ 4 | 27°59 | 14°49 | 3°43 | 2°38 | 25°42 | 5°57 | 23°28 | 26° 6 | 19°42 | 18°45 | 29°35 | 7°31 | S 26 |
| S 27 | 4 42 39 | 10° 9'21 | 14°18 | 29°19 | 16° 5 | 4°30 | 2°36 | 25°37 | 6° 1 | 23°30 | 26° 6 | 19°43 | 18°42 | 29°42 | 7°37 | S 27 |
| M28 | 4 46 36 | 11°10'30 | 26°48 | 0♑36 | 17°20 | 5°17 | 2°33 | 25°32 | 6° 4 | 23°31 | 26° 6 | 19°45 | 18°39 | 29°48 | 7°44 | M28 |
| T 29 | 4 50 32 | 12°11'40 | 9♏37 | 1°51 | 18°36 | 6° 3 | 2°30 | 25°28 | 6° 7 | 23°33 | 26° 5 | 19°46 | 18°36 | 29°55 | 7°51 | T 29 |
| W30 | 4 54 29 | 13♐12'51 | 22♏46 | 3♑ 3 | 19♐51 | 6♑50 | 2♌27 | 25♉23 | 6♏10 | 23♎34 | 26♌ 5 | 19°R46 | 18♏33 | 0♍ 2 | 7♐58 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s 3 | 13s39 | 1s39 | 19s 1 | 1s 6 | 15s22 | 0n36 | 23s38 | 0s59 | 20n13 | 0n32 | 17n42 | 2s 7 | 12s42 | 0n25 | 7s12 | 1n47 | 24n57 | 12n50 | 17s47 | 17s52 | 7n51 | 18s 3 | 3n12 |
| W 2 | 16 21 | 16 45 | 0 29 | 19 31 | 1 11 | 15 47 | 0 34 | 23 43 | 0 59 | 20 12 | 0 33 | 17 41 | 2 7 | 12 43 | 0 25 | 7 13 | 1 47 | 24 57 | 12 51 | 17 47 | 17 51 | 7 49 | 18 4 | 3 12 |
| T 3 | 16 39 | 19 3 | 0n44 | 20 1 | 1 17 | 16 11 | 0 31 | 23 49 | 0 59 | 20 12 | 0 33 | 17 40 | 2 7 | 12 44 | 0 25 | 7 14 | 1 47 | 24 58 | 12 51 | 17 47 | 17 50 | 7 47 | 18 5 | 3 12 |
| F 4 | 16 57 | 20 20 | 1 56 | 20 29 | 1 23 | 16 35 | 0 29 | 23 54 | 1 0 | 20 12 | 0 33 | 17 39 | 2 7 | 12 45 | 0 25 | 7 14 | 1 47 | 24 58 | 12 52 | 17 47 | 17 49 | 7 44 | 18 6 | 3 12 |
| S 5 | 17 14 | 20 26 | 3 2 | 20 56 | 1 28 | 16 58 | 0 27 | 23 59 | 1 0 | 20 12 | 0 33 | 17 38 | 2 7 | 12 47 | 0 25 | 7 15 | 1 48 | 24 58 | 12 52 | 17 47 | 17 48 | 7 42 | 18 7 | 3 12 |
| S 6 | 17 31 | 19 19 | 3 59 | 21 23 | 1 33 | 17 21 | 0 25 | 24 3 | 1 0 | 20 11 | 0 33 | 17 37 | 2 7 | 12 48 | 0 25 | 7 16 | 1 48 | 24 58 | 12 53 | 17 47 | 17 47 | 7 40 | 18 8 | 3 12 |
| M 7 | 17 47 | 17 2 | 4 42 | 21 48 | 1 38 | 17 44 | 0 22 | 24 7 | 1 1 | 20 11 | 0 34 | 17 36 | 2 7 | 12 49 | 0 25 | 7 17 | 1 48 | 24 58 | 12 53 | 17 47 | 17 46 | 7 38 | 18 9 | 3 12 |
| T 8 | 18 4 | 13 43 | 5 9 | 22 12 | 1 43 | 18 5 | 0 20 | 24 11 | 1 1 | 20 11 | 0 34 | 17 35 | 2 7 | 12 50 | 0 25 | 7 17 | 1 48 | 24 59 | 12 54 | 17 47 | 17 46 | 7 36 | 18 10 | 3 12 |
| W 9 | 18 20 | 9 37 | 5 17 | 22 36 | 1 48 | 18 27 | 0 18 | 24 15 | 1 1 | 20 11 | 0 34 | 17 34 | 2 7 | 12 52 | 0 25 | 7 18 | 1 48 | 24 59 | 12 54 | 17 47 | 17 45 | 7 34 | 18 11 | 3 12 |
| T 10 | 18 35 | 4 58 | 5 6 | 22 58 | 1 52 | 18 48 | 0 15 | 24 19 | 1 1 | 20 11 | 0 34 | 17 33 | 2 7 | 12 53 | 0 25 | 7 19 | 1 48 | 24 59 | 12 55 | 17 47 | 17 44 | 7 31 | 18 13 | 3 13 |
| F 11 | 18 51 | 0 3 | 4 36 | 23 18 | 1 56 | 19 8 | 0 13 | 24 22 | 1 2 | 20 11 | 0 35 | 17 31 | 2 6 | 12 54 | 0 25 | 7 19 | 1 48 | 25 0 | 12 55 | 17 47 | 17 43 | 7 29 | 18 14 | 3 13 |
| S 12 | 19 6 | 4n53 | 3 50 | 23 38 | 2 0 | 19 28 | 0 11 | 24 25 | 1 2 | 20 11 | 0 35 | 17 30 | 2 6 | 12 55 | 0 25 | 7 20 | 1 48 | 25 0 | 12 55 | 17 47 | 17 42 | 7 27 | 18 15 | 3 13 |
| S 13 | 19 20 | 9 31 | 2 50 | 23 56 | 2 3 | 19 48 | 0 8 | 24 27 | 1 2 | 20 12 | 0 35 | 17 29 | 2 6 | 12 56 | 0 25 | 7 21 | 1 48 | 25 0 | 12 56 | 17 47 | 17 41 | 7 25 | 18 16 | 3 13 |
| M14 | 19 35 | 13 37 | 1 40 | 24 13 | 2 6 | 20 6 | 0 6 | 24 30 | 1 3 | 20 12 | 0 35 | 17 28 | 2 6 | 12 58 | 0 25 | 7 21 | 1 48 | 25 0 | 12 56 | 17 48 | 17 40 | 7 23 | 18 17 | 3 13 |
| T 15 | 19 49 | 16 54 | 0 26 | 24 29 | 2 9 | 20 25 | 0 4 | 24 32 | 1 3 | 20 12 | 0 35 | 17 27 | 2 6 | 12 59 | 0 25 | 7 22 | 1 48 | 25 1 | 12 57 | 17 48 | 17 40 | 7 21 | 18 18 | 3 13 |
| W16 | 20 2 | 19 11 | 0s49 | 24 43 | 2 12 | 20 42 | 0 1 | 24 34 | 1 3 | 20 12 | 0 36 | 17 26 | 2 6 | 13 0 | 0 25 | 7 23 | 1 48 | 25 1 | 12 57 | 17 48 | 17 39 | 7 18 | 18 19 | 3 13 |
| T 17 | 20 15 | 20 23 | 2 0 | 24 56 | 2 14 | 20 59 | 0s 1 | 24 35 | 1 3 | 20 13 | 0 36 | 17 25 | 2 6 | 13 1 | 0 25 | 7 24 | 1 48 | 25 1 | 12 58 | 17 48 | 17 38 | 7 16 | 18 20 | 3 13 |
| F 18 | 20 28 | 20 26 | 3 3 | 25 8 | 2 16 | 21 16 | 0 4 | 24 36 | 1 4 | 20 13 | 0 36 | 17 24 | 2 6 | 13 2 | 0 25 | 7 24 | 1 48 | 25 2 | 12 58 | 17 47 | 17 37 | 7 14 | 18 21 | 3 13 |
| S 19 | 20 41 | 19 26 | 3 55 | 25 18 | 2 17 | 21 32 | 0 6 | 24 37 | 1 4 | 20 13 | 0 36 | 17 23 | 2 6 | 13 3 | 0 25 | 7 25 | 1 48 | 25 2 | 12 59 | 17 47 | 17 36 | 7 12 | 18 22 | 3 14 |
| S 20 | 20 53 | 17 31 | 4 35 | 25 27 | 2 18 | 21 47 | 0 8 | 24 38 | 1 4 | 20 14 | 0 37 | 17 22 | 2 6 | 13 5 | 0 25 | 7 25 | 1 48 | 25 3 | 12 59 | 17 46 | 17 35 | 7 10 | 18 23 | 3 14 |
| M21 | 21 4 | 14 51 | 5 2 | 25 34 | 2 19 | 22 2 | 0 11 | 24 38 | 1 4 | 20 14 | 0 37 | 17 21 | 2 6 | 13 6 | 0 25 | 7 26 | 1 48 | 25 3 | 13 0 | 17 46 | 17 34 | 7 8 | 18 24 | 3 14 |
| T 22 | 21 16 | 11 36 | 5 15 | 25 39 | 2 18 | 22 15 | 0 13 | 24 39 | 1 4 | 20 15 | 0 37 | 17 20 | 2 6 | 13 7 | 0 25 | 7 27 | 1 48 | 25 3 | 13 0 | 17 45 | 17 33 | 7 5 | 18 25 | 3 14 |
| W23 | 21 26 | 7 55 | 5 14 | 25 43 | 2 18 | 22 29 | 0 16 | 24 38 | 1 5 | 20 16 | 0 37 | 17 19 | 2 5 | 13 8 | 0 25 | 7 27 | 1 48 | 25 4 | 13 1 | 17 45 | 17 33 | 7 3 | 18 26 | 3 14 |
| T 24 | 21 37 | 3 56 | 5 0 | 25 45 | 2 16 | 22 41 | 0 18 | 24 38 | 1 5 | 20 16 | 0 37 | 17 18 | 2 5 | 13 9 | 0 25 | 7 28 | 1 48 | 25 4 | 13 1 | 17 45 | 17 32 | 7 1 | 18 27 | 3 14 |
| F 25 | 21 47 | 0s13 | 4 33 | 25 46 | 2 15 | 22 53 | 0 20 | 24 37 | 1 5 | 20 17 | 0 38 | 17 17 | 2 5 | 13 10 | 0 25 | 7 29 | 1 48 | 25 5 | 13 1 | 17 45 | 17 31 | 6 59 | 18 28 | 3 14 |
| S 26 | 21 57 | 4 24 | 3 54 | 25 45 | 2 12 | 23 5 | 0 23 | 24 36 | 1 5 | 20 18 | 0 38 | 17 16 | 2 5 | 13 11 | 0 25 | 7 29 | 1 48 | 25 5 | 13 2 | 17 45 | 17 30 | 6 57 | 18 29 | 3 15 |
| S 27 | 22 6 | 8 29 | 3 3 | 25 43 | 2 9 | 23 15 | 0 25 | 24 35 | 1 5 | 20 18 | 0 38 | 17 15 | 2 5 | 13 12 | 0 25 | 7 30 | 1 48 | 25 6 | 13 2 | 17 46 | 17 29 | 6 55 | 18 30 | 3 15 |
| M28 | 22 14 | 12 18 | 2 3 | 25 39 | 2 5 | 23 25 | 0 27 | 24 33 | 1 6 | 20 19 | 0 38 | 17 14 | 2 5 | 13 13 | 0 25 | 7 30 | 1 48 | 25 6 | 13 3 | 17 46 | 17 28 | 6 52 | 18 31 | 3 15 |
| T 29 | 22 23 | 15 39 | 0 56 | 25 33 | 2 0 | 23 34 | 0 30 | 24 32 | 1 6 | 20 20 | 0 39 | 17 13 | 2 5 | 13 14 | 0 25 | 7 31 | 1 48 | 25 7 | 13 3 | 17 47 | 17 27 | 6 50 | 18 32 | 3 15 |
| W30 | 22s31 | 18s18 | 0n17 | 25s26 | 1s54 | 23s43 | 0s32 | 24s29 | 1s 6 | 20n21 | 0n39 | 17n12 | 2s 4 | 13s16 | 0n25 | 7s31 | 1n48 | 25n 7 | 13n 4 | 17s47 | 17s26 | 6n48 | 18s33 | 3n15 |

Julian Day Number = 2075654.5, Delta T = 26m54s
Ecliptic obliquity = 23°34'15, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'49, Lahiri = 9°30'49 Julian Calendar 1 Nov. 970 == Greg. Calendar 6 Nov. 970


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# ASTRODIENST EPHEMERIS for the year 970
# geocentric

## DECEMBER 970 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 58 25 | 14♐14'02 | 6♐18 | 4♑11 | 21♐ 7 | 7♑37 | 2°R24 | 25°R18 | 6♏14 | 23♎36 | 26°R 5 | 19°R45 | 18♏30 | 0♍ 9 | 8♐ 5 | T 1 |
| F 2 | 5 2 22 | 15°15'14 | 20° 9 | 5°14 | 22°22 | 8°24 | 2♌21 | 25♉14 | 6°17 | 23°38 | 26♌ 5 | 19♏43 | 18°26 | 0°15 | 8°12 | F 2 |
| S 3 | 5 6 18 | 16°16'26 | 4♑17 | 6°13 | 23°38 | 9°11 | 2°17 | 25°10 | 6°20 | 23°39 | 26° 4 | 19°40 | 18°23 | 0°22 | 8°19 | S 3 |
| S 4 | 5 10 15 | 17°17'38 | 18°36 | 7° 6 | 24°53 | 9°58 | 2°13 | 25° 5 | 6°23 | 23°41 | 26° 4 | 19°36 | 18°20 | 0°29 | 8°26 | S 4 |
| M 5 | 5 14 11 | 18°18'51 | 3♒ 2 | 7°53 | 26° 8 | 10°45 | 2° 9 | 25° 1 | 6°26 | 23°42 | 26° 4 | 19°31 | 18°17 | 0°35 | 8°32 | M 5 |
| T 6 | 5 18 8 | 19°20'03 | 17°28 | 8°32 | 27°24 | 11°32 | 2° 5 | 24°56 | 6°29 | 23°44 | 26° 3 | 19°27 | 18°14 | 0°42 | 8°39 | T 6 |
| W 7 | 5 22 5 | 20°21'16 | 1♓50 | 9° 2 | 28°39 | 12°19 | 2° 1 | 24°52 | 6°32 | 23°45 | 26° 3 | 19°25 | 18°11 | 0°49 | 8°46 | W 7 |
| T 8 | 5 26 1 | 21°22'28 | 16° 4 | 9°24 | 29°55 | 13° 6 | 1°56 | 24°48 | 6°35 | 23°47 | 26° 3 | 19°D23 | 18° 7 | 0°56 | 8°53 | T 8 |
| F 9 | 5 29 58 | 22°23'40 | 0♈ 8 | 9°36 | 1♑10 | 13°53 | 1°52 | 24°44 | 6°38 | 23°48 | 26° 2 | 19°24 | 18° 4 | 1° 2 | 9° 0 | F 9 |
| S 10 | 5 33 54 | 23°24'52 | 14° 1 | 9°R36 | 2°25 | 14°40 | 1°47 | 24°40 | 6°41 | 23°49 | 26° 2 | 19°25 | 18° 1 | 1° 9 | 9° 6 | S 10 |
| S 11 | 5 37 51 | 24°26'04 | 27°43 | 9°26 | 3°41 | 15°27 | 1°42 | 24°36 | 6°43 | 23°51 | 26° 1 | 19°26 | 17°58 | 1°16 | 9°13 | S 11 |
| M12 | 5 41 47 | 25°27'15 | 11♉12 | 9° 3 | 4°56 | 16°15 | 1°37 | 24°32 | 6°46 | 23°52 | 26° 0 | 19°28 | 17°55 | 1°23 | 9°20 | M12 |
| T 13 | 5 45 44 | 26°28'27 | 24°31 | 8°29 | 6°12 | 17° 2 | 1°31 | 24°28 | 6°49 | 23°53 | 26° 0 | 19°R28 | 17°51 | 1°29 | 9°27 | T 13 |
| W14 | 5 49 40 | 27°29'38 | 7♊38 | 7°43 | 7°27 | 17°49 | 1°26 | 24°25 | 6°52 | 23°54 | 25°59 | 19°26 | 17°48 | 1°36 | 9°33 | W14 |
| T 15 | 5 53 37 | 28°30'49 | 20°33 | 6°46 | 8°42 | 18°36 | 1°20 | 24°21 | 6°54 | 23°56 | 25°59 | 19°23 | 17°45 | 1°43 | 9°40 | T 15 |
| F 16 | 5 57 34 | 29°32'00 | 3♋17 | 5°41 | 9°58 | 19°23 | 1°15 | 24°17 | 6°57 | 23°57 | 25°58 | 19°17 | 17°42 | 1°49 | 9°46 | F 16 |
| S 17 | 6 1 30 | 0♑33'10 | 15°48 | 4°28 | 11°13 | 20°11 | 1° 9 | 24°14 | 7° 0 | 23°58 | 25°57 | 19°10 | 17°39 | 1°56 | 9°53 | S 17 |
| S 18 | 6 5 27 | 1°34'21 | 28° 7 | 3°10 | 12°28 | 20°58 | 1° 3 | 24°10 | 7° 2 | 23°59 | 25°56 | 19° 2 | 17°36 | 2° 3 | 10° 0 | S 18 |
| M19 | 6 9 23 | 2°35'31 | 10♌16 | 1°50 | 13°44 | 21°45 | 0°56 | 24° 7 | 7° 5 | 24° 0 | 25°56 | 18°53 | 17°32 | 2°10 | 10° 6 | M19 |
| T 20 | 6 13 20 | 3°36'41 | 22°16 | 0°30 | 14°59 | 22°32 | 0°50 | 24° 4 | 7° 7 | 24° 1 | 25°55 | 18°45 | 17°29 | 2°16 | 10°13 | T 20 |
| W21 | 6 17 16 | 4°37'52 | 4♍10 | 29♐13 | 16°14 | 23°20 | 0°44 | 24° 1 | 7°10 | 24° 2 | 25°54 | 18°39 | 17°26 | 2°23 | 10°19 | W21 |
| T 22 | 6 21 13 | 5°39'02 | 16° 1 | 28° 0 | 17°29 | 24° 7 | 0°37 | 23°58 | 7°12 | 24° 3 | 25°53 | 18°35 | 17°23 | 2°30 | 10°26 | T 22 |
| F 23 | 6 25 9 | 6°40'11 | 27°53 | 26°55 | 18°45 | 24°54 | 0°30 | 23°55 | 7°14 | 24° 4 | 25°52 | 18°32 | 17°20 | 2°36 | 10°32 | F 23 |
| S 24 | 6 29 6 | 7°41'21 | 9♎52 | 25°57 | 20° 0 | 25°42 | 0°24 | 23°52 | 7°17 | 24° 5 | 25°51 | 18°D32 | 17°17 | 2°43 | 10°38 | S 24 |
| S 25 | 6 33 3 | 8°42'30 | 22° 2 | 25° 8 | 21°15 | 26°29 | 0°17 | 23°49 | 7°19 | 24° 6 | 25°51 | 18°33 | 17°13 | 2°50 | 10°45 | S 25 |
| M26 | 6 36 59 | 9°43'40 | 4♏29 | 24°29 | 22°30 | 27°16 | 0°10 | 23°46 | 7°21 | 24° 7 | 25°50 | 18°34 | 17°10 | 2°57 | 10°51 | M26 |
| T 27 | 6 40 56 | 10°44'49 | 17°18 | 24° 0 | 23°46 | 28° 4 | 0° 3 | 23°44 | 7°23 | 24° 8 | 25°49 | 18°R35 | 17° 7 | 3° 3 | 10°57 | T 27 |
| W28 | 6 44 52 | 11°45'57 | 0♐31 | 23°40 | 25° 1 | 28°51 | 29♋55 | 23°41 | 7°25 | 24° 9 | 25°48 | 18°34 | 17° 4 | 3°10 | 11° 4 | W28 |
| T 29 | 6 48 49 | 12°47'06 | 14°12 | 23°29 | 26°16 | 29°39 | 29°48 | 23°39 | 7°27 | 24° 9 | 25°47 | 18°31 | 17° 1 | 3°17 | 11°10 | T 29 |
| F 30 | 6 52 45 | 13°48'14 | 28°19 | 23°D27 | 27°31 | 0♒26 | 29°41 | 23°37 | 7°30 | 24°10 | 25°46 | 18°26 | 16°57 | 3°23 | 11°16 | F 30 |
| S 31 | 6 56 42 | 14♑49'21 | 12♑48 | 23♐33 | 28♑46 | 1♒14 | 29♋33 | 23♉34 | 7♏31 | 24♎11 | 25♌44 | 18♏18 | 16♏54 | 3♍30 | 11♐22 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s38 | 20s 0 | 1n30 | 25s17 | 1s47 | 23s50 | 0s34 | 24s27 | 1s 6 | 20n22 | 0n39 | 17n11 | 2s 4 | 13s17 | 0n25 | 7s32 | 1n49 | 25n 8 | 13n 4 | 17s46 | 17s26 | 6n46 | 18s34 | 3n15 |
| F 2 | 22 45 | 20 33 | 2 39 | 25 7 | 1 39 | 23 57 | 0 36 | 24 24 | 1 6 | 20 23 | 0 39 | 17 10 | 2 4 | 13 18 | 0 25 | 7 33 | 1 49 | 25 8 | 13 5 | 17 46 | 17 25 | 6 44 | 18 34 | 3 16 |
| S 3 | 22 52 | 19 50 | 3 40 | 24 55 | 1 30 | 24 3 | 0 39 | 24 21 | 1 6 | 20 24 | 0 39 | 17 9 | 2 4 | 13 19 | 0 25 | 7 33 | 1 49 | 25 9 | 13 5 | 17 45 | 17 24 | 6 42 | 18 35 | 3 16 |
| S 4 | 22 58 | 17 50 | 4 28 | 24 43 | 1 20 | 24 9 | 0 41 | 24 18 | 1 6 | 20 25 | 0 40 | 17 8 | 2 4 | 13 20 | 0 25 | 7 34 | 1 49 | 25 9 | 13 6 | 17 44 | 17 23 | 6 39 | 18 36 | 3 16 |
| M 5 | 23 3 | 14 43 | 5 0 | 24 29 | 1 9 | 24 14 | 0 43 | 24 14 | 1 7 | 20 26 | 0 40 | 17 8 | 2 4 | 13 21 | 0 25 | 7 34 | 1 49 | 25 10 | 13 6 | 17 42 | 17 22 | 6 37 | 18 37 | 3 16 |
| T 6 | 23 8 | 10 43 | 5 12 | 24 14 | 0 56 | 24 18 | 0 45 | 24 10 | 1 7 | 20 27 | 0 40 | 17 7 | 2 3 | 13 22 | 0 25 | 7 35 | 1 49 | 25 10 | 13 6 | 17 41 | 17 21 | 6 35 | 18 38 | 3 16 |
| W 7 | 23 13 | 6 7 | 5 5 | 23 58 | 0 43 | 24 21 | 0 47 | 24 6 | 1 7 | 20 28 | 0 40 | 17 6 | 2 3 | 13 23 | 0 25 | 7 35 | 1 49 | 25 11 | 13 7 | 17 41 | 17 20 | 6 33 | 18 39 | 3 17 |
| T 8 | 23 17 | 1 14 | 4 40 | 23 42 | 0 28 | 24 23 | 0 49 | 24 2 | 1 7 | 20 30 | 0 41 | 17 5 | 2 3 | 13 24 | 0 25 | 7 36 | 1 49 | 25 11 | 13 7 | 17 40 | 17 19 | 6 31 | 18 40 | 3 17 |
| F 9 | 23 21 | 3n41 | 3 57 | 23 25 | 0 12 | 24 25 | 0 51 | 23 57 | 1 7 | 20 31 | 0 41 | 17 4 | 2 3 | 13 24 | 0 25 | 7 36 | 1 49 | 25 12 | 13 8 | 17 40 | 17 18 | 6 28 | 18 40 | 3 17 |
| S 10 | 23 24 | 8 21 | 3 1 | 23 8 | 0n 6 | 24 26 | 0 53 | 23 52 | 1 7 | 20 32 | 0 41 | 17 3 | 2 3 | 13 25 | 0 25 | 7 36 | 1 49 | 25 13 | 13 8 | 17 41 | 17 18 | 6 26 | 18 41 | 3 17 |
| S 11 | 23 27 | 12 31 | 1 56 | 22 50 | 0 24 | 24 26 | 0 55 | 23 47 | 1 7 | 20 34 | 0 41 | 17 3 | 2 2 | 13 26 | 0 25 | 7 37 | 1 49 | 25 13 | 13 9 | 17 41 | 17 17 | 6 24 | 18 42 | 3 18 |
| M12 | 23 30 | 15 59 | 0 45 | 22 33 | 0 43 | 24 26 | 0 57 | 23 41 | 1 7 | 20 35 | 0 41 | 17 2 | 2 2 | 13 27 | 0 25 | 7 37 | 1 49 | 25 14 | 13 9 | 17 41 | 17 16 | 6 22 | 18 43 | 3 18 |
| T 13 | 23 31 | 18 34 | 0s27 | 22 16 | 1 2 | 24 24 | 0 59 | 23 35 | 1 7 | 20 36 | 0 42 | 17 1 | 2 2 | 13 28 | 0 25 | 7 38 | 1 49 | 25 14 | 13 9 | 17 42 | 17 15 | 6 20 | 18 44 | 3 18 |
| W14 | 23 33 | 20 6 | 1 37 | 21 59 | 1 22 | 24 22 | 1 1 | 23 29 | 1 7 | 20 38 | 0 42 | 17 0 | 2 2 | 13 29 | 0 25 | 7 38 | 1 49 | 25 15 | 13 10 | 17 41 | 17 14 | 6 18 | 18 44 | 3 18 |
| T 15 | 23 34 | 20 34 | 2 41 | 21 42 | 1 42 | 24 19 | 1 3 | 23 23 | 1 7 | 20 39 | 0 42 | 17 0 | 2 2 | 13 30 | 0 25 | 7 38 | 1 49 | 25 16 | 13 10 | 17 40 | 17 13 | 6 15 | 18 45 | 3 19 |
| F 16 | 23 34 | 19 57 | 3 35 | 21 27 | 2 0 | 24 16 | 1 4 | 23 16 | 1 7 | 20 41 | 0 42 | 16 59 | 2 1 | 13 31 | 0 25 | 7 39 | 1 49 | 25 16 | 13 11 | 17 39 | 17 12 | 6 13 | 18 46 | 3 19 |
| S 17 | 23 34 | 18 21 | 4 18 | 21 12 | 2 18 | 24 11 | 1 6 | 23 9 | 1 7 | 20 42 | 0 42 | 16 58 | 2 1 | 13 32 | 0 25 | 7 39 | 1 49 | 25 17 | 13 11 | 17 37 | 17 11 | 6 11 | 18 46 | 3 19 |
| S 18 | 23 34 | 15 57 | 4 48 | 20 58 | 2 34 | 24 6 | 1 8 | 23 2 | 1 7 | 20 44 | 0 43 | 16 58 | 2 1 | 13 32 | 0 25 | 7 40 | 1 49 | 25 18 | 13 12 | 17 34 | 17 10 | 6 9 | 18 47 | 3 19 |
| M19 | 23 33 | 12 52 | 5 5 | 20 46 | 2 48 | 24 1 | 1 9 | 22 55 | 1 7 | 20 45 | 0 43 | 16 57 | 2 1 | 13 33 | 0 25 | 7 40 | 1 49 | 25 18 | 13 12 | 17 32 | 17 9 | 6 7 | 18 48 | 3 20 |
| T 20 | 23 31 | 9 19 | 5 8 | 20 34 | 3 0 | 23 54 | 1 11 | 22 47 | 1 7 | 20 47 | 0 43 | 16 57 | 2 1 | 13 34 | 0 25 | 7 40 | 1 50 | 25 19 | 13 12 | 17 30 | 17 9 | 6 5 | 18 48 | 3 20 |
| W21 | 23 29 | 5 25 | 4 57 | 20 25 | 3 9 | 23 47 | 1 12 | 22 39 | 1 7 | 20 48 | 0 43 | 16 56 | 2 0 | 13 35 | 0 25 | 7 41 | 1 50 | 25 19 | 13 13 | 17 28 | 17 8 | 6 2 | 18 49 | 3 20 |
| T 22 | 23 27 | 1 21 | 4 34 | 20 17 | 3 16 | 23 39 | 1 14 | 22 31 | 1 7 | 20 50 | 0 43 | 16 56 | 2 0 | 13 36 | 0 25 | 7 41 | 1 50 | 25 20 | 13 13 | 17 27 | 17 7 | 6 0 | 18 50 | 3 20 |
| F 23 | 23 24 | 2s48 | 3 59 | 20 12 | 3 20 | 23 30 | 1 15 | 22 22 | 1 7 | 20 52 | 0 44 | 16 55 | 2 0 | 13 36 | 0 25 | 7 41 | 1 50 | 25 21 | 13 14 | 17 26 | 17 6 | 5 58 | 18 50 | 3 21 |
| S 24 | 23 21 | 6 53 | 3 13 | 20 8 | 3 23 | 23 20 | 1 17 | 22 13 | 1 7 | 20 53 | 0 44 | 16 55 | 2 0 | 13 37 | 0 25 | 7 42 | 1 50 | 25 21 | 13 14 | 17 26 | 17 5 | 5 56 | 18 51 | 3 21 |
| S 25 | 23 17 | 10 46 | 2 18 | 20 7 | 3 22 | 23 10 | 1 18 | 22 4 | 1 7 | 20 55 | 0 44 | 16 54 | 1 59 | 13 38 | 0 25 | 7 42 | 1 50 | 25 22 | 13 14 | 17 26 | 17 4 | 5 54 | 18 52 | 3 21 |
| M26 | 23 13 | 14 16 | 1 15 | 20 7 | 3 20 | 22 59 | 1 19 | 21 55 | 1 7 | 20 57 | 0 44 | 16 54 | 1 59 | 13 39 | 0 25 | 7 42 | 1 50 | 25 23 | 13 15 | 17 27 | 17 3 | 5 52 | 18 52 | 3 21 |
| T 27 | 23 8 | 17 12 | 0 7 | 20 9 | 3 17 | 22 47 | 1 21 | 21 46 | 1 7 | 20 58 | 0 44 | 16 53 | 1 59 | 13 39 | 0 25 | 7 42 | 1 50 | 25 24 | 13 15 | 17 27 | 17 2 | 5 49 | 18 53 | 3 22 |
| W28 | 23 3 | 19 20 | 1n 4 | 20 14 | 3 12 | 22 35 | 1 22 | 21 36 | 1 7 | 21 0 | 0 44 | 16 53 | 1 59 | 13 40 | 0 25 | 7 43 | 1 50 | 25 24 | 13 15 | 17 27 | 17 1 | 5 47 | 18 53 | 3 22 |
| T 29 | 22 57 | 20 26 | 2 13 | 20 19 | 3 5 | 22 22 | 1 23 | 21 26 | 1 7 | 21 2 | 0 45 | 16 53 | 1 58 | 13 41 | 0 25 | 7 43 | 1 50 | 25 25 | 13 16 | 17 26 | 17 0 | 5 45 | 18 54 | 3 22 |
| F 30 | 22 51 | 20 17 | 3 16 | 20 27 | 2 58 | 22 8 | 1 24 | 21 16 | 1 7 | 21 4 | 0 45 | 16 52 | 1 58 | 13 41 | 0 25 | 7 43 | 1 50 | 25 26 | 13 16 | 17 24 | 17 0 | 5 43 | 18 54 | 3 23 |
| S 31 | 22s44 | 18s50 | 4n 8 | 20s35 | 2n50 | 21s54 | 1s25 | 21s 5 | 1s 7 | 21n 5 | 0n45 | 16n52 | 1s58 | 13s42 | 0n25 | 7s43 | 1n50 | 25n26 | 13n16 | 17s22 | 16s59 | 5n41 | 18s55 | 3n23 |

Julian Day Number = 2075684.5, Delta T = 26m53s
Ecliptic obliquity = 23°34'15, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'53, Lahiri = 9°30'54 Julian Calendar 1 Dec. 970 == Greg. Calendar 6 Dec. 970


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## JANUARY 971 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 0 39 | 15♑50'27 | 27♑35 | 23♐46 | 0♒ 2 | 2♒ 1 | 29°R26 | 23°R32 | 7♏33 | 24♎12 | 25°R43 | 18°R 9 | 16♏51 | 3♍37 | 11♐28 | S 1 |
| M 2 | 7 4 35 | 16°51'33 | 12♒30 | 24° 7 | 1°17 | 2°48 | 29♋18 | 23♉30 | 7°35 | 24°12 | 25♌42 | 17♏59 | 16°48 | 3°44 | 11°34 | M 2 |
| T 3 | 7 8 32 | 17°52'38 | 27°24 | 24°33 | 2°32 | 3°36 | 29°10 | 23°29 | 7°37 | 24°13 | 25°41 | 17°50 | 16°45 | 3°50 | 11°40 | T 3 |
| W 4 | 7 12 28 | 18°53'41 | 12♓ 9 | 25° 6 | 3°47 | 4°23 | 29° 3 | 23°27 | 7°39 | 24°13 | 25°40 | 17°43 | 16°42 | 3°57 | 11°46 | W 4 |
| T 5 | 7 16 25 | 19°54'43 | 26°39 | 25°44 | 5° 2 | 5°11 | 28°55 | 23°25 | 7°41 | 24°14 | 25°39 | 17°38 | 16°38 | 4° 4 | 11°52 | T 5 |
| F 6 | 7 20 21 | 20°55'45 | 10♈49 | 26°26 | 6°17 | 5°58 | 28°47 | 23°24 | 7°42 | 24°14 | 25°38 | 17°36 | 16°35 | 4°10 | 11°58 | F 6 |
| S 7 | 7 24 18 | 21°56'45 | 24°39 | 27°13 | 7°32 | 6°46 | 28°39 | 23°22 | 7°44 | 24°15 | 25°36 | 17°D36 | 16°32 | 4°17 | 12° 3 | S 7 |
| S 8 | 7 28 14 | 22°57'43 | 8♉10 | 28° 4 | 8°47 | 7°33 | 28°31 | 23°21 | 7°46 | 24°15 | 25°35 | 17°36 | 16°29 | 4°24 | 12° 9 | S 8 |
| M 9 | 7 32 11 | 23°58'41 | 21°24 | 28°58 | 10° 2 | 8°21 | 28°23 | 23°20 | 7°47 | 24°16 | 25°34 | 17°R36 | 16°26 | 4°31 | 12°15 | M 9 |
| T 10 | 7 36 8 | 24°59'37 | 4♊23 | 29°55 | 11°17 | 9° 8 | 28°15 | 23°19 | 7°49 | 24°16 | 25°33 | 17°35 | 16°23 | 4°37 | 12°21 | T 10 |
| W11 | 7 40 4 | 26° 0'32 | 17° 9 | 0♑56 | 12°32 | 9°55 | 28° 7 | 23°18 | 7°50 | 24°16 | 25°31 | 17°31 | 16°19 | 4°44 | 12°26 | W11 |
| T 12 | 7 44 1 | 27° 1'25 | 29°44 | 1°59 | 13°47 | 10°43 | 27°59 | 23°17 | 7°52 | 24°17 | 25°30 | 17°25 | 16°16 | 4°51 | 12°32 | T 12 |
| F 13 | 7 47 57 | 28° 2'17 | 12♋10 | 3° 4 | 15° 2 | 11°30 | 27°51 | 23°16 | 7°53 | 24°17 | 25°29 | 17°15 | 16°13 | 4°58 | 12°37 | F 13 |
| S 14 | 7 51 54 | 29° 3'08 | 24°27 | 4°12 | 16°17 | 12°18 | 27°43 | 23°15 | 7°54 | 24°17 | 25°27 | 17° 3 | 16°10 | 5° 4 | 12°43 | S 14 |
| S 15 | 7 55 50 | 0♒ 3'58 | 6♌37 | 5°22 | 17°32 | 13° 5 | 27°35 | 23°15 | 7°55 | 24°17 | 25°26 | 16°49 | 16° 7 | 5°11 | 12°48 | S 15 |
| M16 | 7 59 47 | 1° 4'47 | 18°39 | 6°33 | 18°47 | 13°53 | 27°27 | 23°14 | 7°57 | 24°18 | 25°25 | 16°35 | 16° 3 | 5°18 | 12°53 | M16 |
| T 17 | 8 3 43 | 2° 5'34 | 0♍36 | 7°47 | 20° 2 | 14°40 | 27°19 | 23°14 | 7°58 | 24°18 | 25°23 | 16°22 | 16° 0 | 5°24 | 12°58 | T 17 |
| W18 | 8 7 40 | 3° 6'20 | 12°27 | 9° 2 | 21°17 | 15°27 | 27°11 | 23°14 | 7°59 | 24°18 | 25°22 | 16°11 | 15°57 | 5°31 | 13° 4 | W18 |
| T 19 | 8 11 37 | 4° 7'05 | 24°18 | 10°18 | 22°31 | 16°15 | 27° 3 | 23°D14 | 8° 0 | 24°18 | 25°20 | 16° 2 | 15°54 | 5°38 | 13° 9 | T 19 |
| F 20 | 8 15 33 | 5° 7'48 | 6♎ 9 | 11°36 | 23°46 | 17° 2 | 26°56 | 23°14 | 8° 1 | 24°R18 | 25°19 | 15°55 | 15°51 | 5°45 | 13°14 | F 20 |
| S 21 | 8 19 30 | 6° 8'31 | 18° 6 | 12°56 | 25° 1 | 17°49 | 26°48 | 23°14 | 8° 2 | 24°18 | 25°18 | 15°52 | 15°48 | 5°51 | 13°19 | S 21 |
| S 22 | 8 23 26 | 7° 9'12 | 0♏13 | 14°17 | 26°16 | 18°37 | 26°40 | 23°14 | 8° 2 | 24°18 | 25°16 | 15°51 | 15°44 | 5°58 | 13°24 | S 22 |
| M23 | 8 27 23 | 8° 9'53 | 12°35 | 15°39 | 27°30 | 19°24 | 26°32 | 23°15 | 8° 3 | 24°18 | 25°15 | 15°51 | 15°41 | 6° 5 | 13°29 | M23 |
| T 24 | 8 31 19 | 9°10'32 | 25°18 | 17° 2 | 28°45 | 20°11 | 26°25 | 23°15 | 8° 4 | 24°18 | 25°13 | 15°51 | 15°38 | 6°11 | 13°33 | T 24 |
| W25 | 8 35 16 | 10°11'10 | 8♐26 | 18°26 | 29°59 | 20°59 | 26°17 | 23°16 | 8° 5 | 24°18 | 25°12 | 15°49 | 15°35 | 6°18 | 13°38 | W25 |
| T 26 | 8 39 12 | 11°11'46 | 22° 4 | 19°52 | 1♓14 | 21°46 | 26° 9 | 23°17 | 8° 5 | 24°17 | 25°10 | 15°45 | 15°32 | 6°25 | 13°43 | T 26 |
| F 27 | 8 43 9 | 12°12'22 | 6♑11 | 21°18 | 2°29 | 22°33 | 26° 2 | 23°17 | 8° 6 | 24°17 | 25° 9 | 15°39 | 15°29 | 6°32 | 13°47 | F 27 |
| S 28 | 8 47 6 | 13°12'56 | 20°47 | 22°46 | 3°44 | 23°21 | 25°55 | 23°18 | 8° 6 | 24°17 | 25° 7 | 15°30 | 15°25 | 6°38 | 13°52 | S 28 |
| S 29 | 8 51 2 | 14°13'28 | 5♒46 | 24°14 | 4°58 | 24° 8 | 25°47 | 23°19 | 8° 7 | 24°17 | 25° 6 | 15°19 | 15°22 | 6°45 | 13°56 | S 29 |
| M30 | 8 54 59 | 15°13'59 | 20°58 | 25°44 | 6°13 | 24°55 | 25°40 | 23°21 | 8° 7 | 24°16 | 25° 4 | 15° 7 | 15°19 | 6°52 | 14° 1 | M30 |
| T 31 | 8 58 55 | 16♒14'28 | 6♓14 | 27♑15 | 7♓27 | 25♒42 | 25♋33 | 23♉22 | 8♏ 8 | 24♎16 | 25♌ 3 | 14♏56 | 15♏16 | 6♍58 | 14♐ 5 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s37 | 16s 6 | 4n45 | 20s44 | 2n41 | 21s39 | 1s26 | 20s54 | 1s 7 | 21n 7 | 0n45 | 16n52 | 1s58 | 13s43 | 0n25 | 7s43 | 1n50 | 25n27 | 13n17 | 17s20 | 16s58 | 5n39 | 18s55 | 3n23 |
| M 2 | 22 30 | 12 18 | 5 3 | 20 54 | 2 32 | 21 23 | 1 27 | 20 43 | 1 7 | 21 9 | 0 45 | 16 52 | 1 57 | 13 43 | 0 25 | 7 44 | 1 50 | 25 28 | 13 17 | 17 17 | 16 57 | 5 36 | 18 56 | 3 24 |
| T 3 | 22 22 | 7 45 | 5 0 | 21 5 | 2 23 | 21 7 | 1 27 | 20 32 | 1 7 | 21 11 | 0 45 | 16 51 | 1 57 | 13 44 | 0 25 | 7 44 | 1 50 | 25 28 | 13 17 | 17 15 | 16 56 | 5 34 | 18 56 | 3 24 |
| W 4 | 22 14 | 2 46 | 4 37 | 21 16 | 2 13 | 20 50 | 1 28 | 20 21 | 1 7 | 21 12 | 0 46 | 16 51 | 1 57 | 13 44 | 0 25 | 7 44 | 1 50 | 25 29 | 13 18 | 17 13 | 16 55 | 5 32 | 18 57 | 3 24 |
| T 5 | 22 5 | 2n17 | 3 57 | 21 27 | 2 3 | 20 33 | 1 29 | 20 9 | 1 7 | 21 14 | 0 46 | 16 51 | 1 56 | 13 45 | 0 25 | 7 44 | 1 51 | 25 30 | 13 18 | 17 11 | 16 54 | 5 30 | 18 57 | 3 25 |
| F 6 | 21 56 | 7 6 | 3 3 | 21 39 | 1 53 | 20 15 | 1 29 | 19 57 | 1 6 | 21 16 | 0 46 | 16 51 | 1 56 | 13 45 | 0 25 | 7 44 | 1 51 | 25 31 | 13 18 | 17 11 | 16 53 | 5 28 | 18 58 | 3 25 |
| S 7 | 21 46 | 11 27 | 1 59 | 21 50 | 1 42 | 19 56 | 1 30 | 19 45 | 1 6 | 21 18 | 0 46 | 16 51 | 1 56 | 13 46 | 0 25 | 7 44 | 1 51 | 25 31 | 13 19 | 17 10 | 16 52 | 5 26 | 18 58 | 3 25 |
| S 8 | 21 36 | 15 6 | 0 50 | 22 1 | 1 32 | 19 37 | 1 30 | 19 33 | 1 6 | 21 19 | 0 46 | 16 51 | 1 56 | 13 46 | 0 25 | 7 44 | 1 51 | 25 32 | 13 19 | 17 11 | 16 51 | 5 23 | 18 58 | 3 26 |
| M 9 | 21 26 | 17 53 | 0s20 | 22 12 | 1 22 | 19 17 | 1 31 | 19 20 | 1 6 | 21 21 | 0 46 | 16 51 | 1 55 | 13 47 | 0 25 | 7 44 | 1 51 | 25 33 | 13 19 | 17 11 | 16 50 | 5 21 | 18 59 | 3 26 |
| T 10 | 21 15 | 19 42 | 1 28 | 22 22 | 1 12 | 18 57 | 1 31 | 19 8 | 1 6 | 21 23 | 0 47 | 16 51 | 1 55 | 13 47 | 0 25 | 7 45 | 1 51 | 25 33 | 13 20 | 17 10 | 16 50 | 5 19 | 18 59 | 3 26 |
| W11 | 21 4 | 20 27 | 2 30 | 22 32 | 1 2 | 18 36 | 1 31 | 18 55 | 1 6 | 21 25 | 0 47 | 16 51 | 1 55 | 13 48 | 0 25 | 7 45 | 1 51 | 25 34 | 13 20 | 17 9 | 16 49 | 5 17 | 19 0 | 3 27 |
| T 12 | 20 52 | 20 10 | 3 24 | 22 41 | 0 52 | 18 14 | 1 32 | 18 42 | 1 6 | 21 26 | 0 47 | 16 51 | 1 55 | 13 48 | 0 25 | 7 45 | 1 51 | 25 35 | 13 20 | 17 7 | 16 48 | 5 15 | 19 0 | 3 27 |
| F 13 | 20 40 | 18 55 | 4 7 | 22 50 | 0 43 | 17 52 | 1 32 | 18 28 | 1 5 | 21 28 | 0 47 | 16 51 | 1 54 | 13 49 | 0 26 | 7 45 | 1 51 | 25 36 | 13 20 | 17 5 | 16 47 | 5 12 | 19 0 | 3 28 |
| S 14 | 20 28 | 16 47 | 4 38 | 22 57 | 0 33 | 17 30 | 1 32 | 18 15 | 1 5 | 21 30 | 0 47 | 16 51 | 1 54 | 13 49 | 0 26 | 7 45 | 1 51 | 25 36 | 13 21 | 17 1 | 16 46 | 5 10 | 19 1 | 3 28 |
| S 15 | 20 15 | 13 57 | 4 56 | 23 4 | 0 24 | 17 7 | 1 32 | 18 1 | 1 5 | 21 32 | 0 47 | 16 51 | 1 54 | 13 49 | 0 26 | 7 45 | 1 51 | 25 37 | 13 21 | 16 57 | 16 45 | 5 8 | 19 1 | 3 28 |
| M16 | 20 2 | 10 33 | 5 0 | 23 10 | 0 15 | 16 44 | 1 32 | 17 47 | 1 5 | 21 33 | 0 47 | 16 51 | 1 54 | 13 50 | 0 26 | 7 45 | 1 51 | 25 38 | 13 21 | 16 53 | 16 44 | 5 6 | 19 1 | 3 29 |
| T 17 | 19 48 | 6 47 | 4 51 | 23 15 | 0 6 | 16 20 | 1 32 | 17 33 | 1 5 | 21 35 | 0 47 | 16 51 | 1 53 | 13 50 | 0 26 | 7 45 | 1 51 | 25 39 | 13 21 | 16 49 | 16 43 | 5 4 | 19 1 | 3 29 |
| W18 | 19 34 | 2 46 | 4 30 | 23 19 | 0s 3 | 15 56 | 1 31 | 17 19 | 1 5 | 21 37 | 0 47 | 16 52 | 1 53 | 13 51 | 0 26 | 7 45 | 1 51 | 25 39 | 13 22 | 16 46 | 16 42 | 5 2 | 19 2 | 3 29 |
| T 19 | 19 20 | 1s21 | 3 57 | 23 21 | 0 11 | 15 31 | 1 31 | 17 5 | 1 4 | 21 38 | 0 48 | 16 52 | 1 53 | 13 51 | 0 26 | 7 45 | 1 51 | 25 40 | 13 22 | 16 43 | 16 41 | 4 59 | 19 2 | 3 30 |
| F 20 | 19 5 | 5 25 | 3 14 | 23 23 | 0 20 | 15 6 | 1 31 | 16 50 | 1 4 | 21 40 | 0 48 | 16 52 | 1 52 | 13 51 | 0 26 | 7 45 | 1 52 | 25 41 | 13 22 | 16 42 | 16 40 | 4 57 | 19 2 | 3 30 |
| S 21 | 18 50 | 9 18 | 2 21 | 23 24 | 0 28 | 14 40 | 1 30 | 16 35 | 1 4 | 21 42 | 0 48 | 16 53 | 1 52 | 13 51 | 0 26 | 7 45 | 1 52 | 25 41 | 13 22 | 16 41 | 16 39 | 4 55 | 19 2 | 3 31 |
| S 22 | 18 35 | 12 53 | 1 22 | 23 23 | 0 35 | 14 14 | 1 30 | 16 20 | 1 4 | 21 43 | 0 48 | 16 53 | 1 52 | 13 52 | 0 26 | 7 44 | 1 52 | 25 42 | 13 23 | 16 40 | 16 39 | 4 53 | 19 2 | 3 31 |
| M23 | 18 19 | 15 58 | 0 17 | 23 21 | 0 43 | 13 48 | 1 29 | 16 5 | 1 3 | 21 45 | 0 48 | 16 53 | 1 52 | 13 52 | 0 26 | 7 44 | 1 52 | 25 43 | 13 23 | 16 40 | 16 38 | 4 51 | 19 3 | 3 31 |
| T 24 | 18 4 | 18 23 | 0n50 | 23 18 | 0 50 | 13 21 | 1 29 | 15 50 | 1 3 | 21 46 | 0 48 | 16 54 | 1 51 | 13 52 | 0 26 | 7 44 | 1 52 | 25 43 | 13 23 | 16 40 | 16 37 | 4 49 | 19 3 | 3 32 |
| W25 | 17 47 | 19 55 | 1 56 | 23 14 | 0 57 | 12 54 | 1 28 | 15 35 | 1 3 | 21 48 | 0 48 | 16 54 | 1 51 | 13 52 | 0 26 | 7 44 | 1 52 | 25 44 | 13 23 | 16 40 | 16 36 | 4 46 | 19 3 | 3 32 |
| T 26 | 17 31 | 20 21 | 2 59 | 23 8 | 1 4 | 12 27 | 1 27 | 15 19 | 1 3 | 21 49 | 0 48 | 16 54 | 1 51 | 13 53 | 0 26 | 7 44 | 1 52 | 25 45 | 13 23 | 16 39 | 16 35 | 4 44 | 19 3 | 3 33 |
| F 27 | 17 14 | 19 33 | 3 53 | 23 2 | 1 10 | 11 59 | 1 26 | 15 3 | 1 2 | 21 51 | 0 48 | 16 55 | 1 50 | 13 53 | 0 26 | 7 44 | 1 52 | 25 46 | 13 23 | 16 37 | 16 34 | 4 42 | 19 3 | 3 33 |
| S 28 | 16 57 | 17 27 | 4 33 | 22 53 | 1 16 | 11 31 | 1 26 | 14 47 | 1 2 | 21 52 | 0 48 | 16 55 | 1 50 | 13 53 | 0 26 | 7 44 | 1 52 | 25 46 | 13 24 | 16 34 | 16 33 | 4 40 | 19 3 | 3 34 |
| S 29 | 16 39 | 14 9 | 4 56 | 22 44 | 1 22 | 11 3 | 1 25 | 14 31 | 1 2 | 21 54 | 0 48 | 16 56 | 1 50 | 13 53 | 0 26 | 7 44 | 1 52 | 25 47 | 13 24 | 16 31 | 16 32 | 4 38 | 19 3 | 3 34 |
| M30 | 16 21 | 9 52 | 4 59 | 22 33 | 1 27 | 10 34 | 1 24 | 14 15 | 1 2 | 21 55 | 0 48 | 16 57 | 1 50 | 13 53 | 0 26 | 7 43 | 1 52 | 25 48 | 13 24 | 16 27 | 16 31 | 4 36 | 19 4 | 3 34 |
| T 31 | 16s 3 | 4s56 | 4n40 | 22s20 | 1s33 | 10s 6 | 1s22 | 13s59 | 1s 1 | 21n57 | 0n49 | 16n57 | 1s49 | 13s53 | 0n26 | 7s43 | 1n52 | 25n48 | 13n24 | 16s24 | 16s30 | 4n33 | 19s 4 | 3n35 |

Julian Day Number = 2075715.5, Delta T = 26m53s
Ecliptic obliquity = 23°34'14, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°23'57, Lahiri = 9°30'58 Julian Calendar 1 Jan. 971 == Greg. Calendar 6 Jan. 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## FEBRUARY 971 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 2 52 | 17♒14'56 | 21♓21 | 28♉46 | 8♓42 | 26♒30 | 25°R26 | 23♉23 | 8♏ 8 | 24°R16 | 25°R 1 | 14°R46 | 15♏13 | 7♍ 5 | 14♐ 9 | W 1 |
| T 2 | 9 6 48 | 18°15'21 | 6♈11 | 0♒19 | 9°56 | 27°17 | 25♋19 | 23°25 | 8° 8 | 24♎15 | 25♌ 0 | 14♏40 | 15° 9 | 7°12 | 14°13 | T 2 |
| F 3 | 9 10 45 | 19°15'44 | 20°37 | 1°53 | 11°11 | 28° 4 | 25°12 | 23°26 | 8° 9 | 24°15 | 24°58 | 14°36 | 15° 6 | 7°19 | 14°17 | F 3 |
| S 4 | 9 14 41 | 20°16'06 | 4♉37 | 3°27 | 12°25 | 28°51 | 25° 6 | 23°28 | 8° 9 | 24°14 | 24°56 | 14°34 | 15° 3 | 7°25 | 14°21 | S 4 |
| S 5 | 9 18 38 | 21°16'25 | 18°12 | 5° 3 | 13°39 | 29°38 | 24°59 | 23°30 | 8° 9 | 24°14 | 24°55 | 14°34 | 15° 0 | 7°32 | 14°25 | S 5 |
| M 6 | 9 22 34 | 22°16'43 | 1♊23 | 6°39 | 14°54 | 0♓25 | 24°53 | 23°32 | 8°R 9 | 24°13 | 24°53 | 14°34 | 14°57 | 7°39 | 14°29 | M 6 |
| T 7 | 9 26 31 | 23°16'58 | 14°14 | 8°17 | 16° 8 | 1°12 | 24°47 | 23°34 | 8° 9 | 24°13 | 24°52 | 14°33 | 14°54 | 7°45 | 14°33 | T 7 |
| W 8 | 9 30 28 | 24°17'11 | 26°49 | 9°55 | 17°22 | 1°59 | 24°40 | 23°36 | 8° 9 | 24°12 | 24°50 | 14°29 | 14°50 | 7°52 | 14°37 | W 8 |
| T 9 | 9 34 24 | 25°17'22 | 9♋12 | 11°35 | 18°36 | 2°46 | 24°34 | 23°39 | 8° 9 | 24°11 | 24°49 | 14°22 | 14°47 | 7°59 | 14°40 | T 9 |
| F 10 | 9 38 21 | 26°17'31 | 21°25 | 13°16 | 19°50 | 3°33 | 24°29 | 23°41 | 8° 8 | 24°11 | 24°47 | 14°13 | 14°44 | 8° 6 | 14°44 | F 10 |
| S 11 | 9 42 17 | 27°17'38 | 3♌30 | 14°57 | 21° 4 | 4°20 | 24°23 | 23°43 | 8° 8 | 24°10 | 24°46 | 14° 1 | 14°41 | 8°12 | 14°47 | S 11 |
| S 12 | 9 46 14 | 28°17'43 | 15°30 | 16°40 | 22°18 | 5° 7 | 24°17 | 23°46 | 8° 8 | 24° 9 | 24°44 | 13°47 | 14°38 | 8°19 | 14°51 | S 12 |
| M13 | 9 50 10 | 29°17'46 | 27°26 | 18°24 | 23°32 | 5°54 | 24°12 | 23°49 | 8° 8 | 24° 9 | 24°42 | 13°33 | 14°34 | 8°26 | 14°54 | M13 |
| T 14 | 9 54 7 | 0♓17'47 | 9♍18 | 20° 9 | 24°46 | 6°41 | 24° 7 | 23°51 | 8° 7 | 24° 8 | 24°41 | 13°20 | 14°31 | 8°32 | 14°57 | T 14 |
| W15 | 9 58 3 | 1°17'46 | 21°10 | 21°55 | 26° 0 | 7°28 | 24° 1 | 23°54 | 8° 7 | 24° 7 | 24°39 | 13° 8 | 14°28 | 8°39 | 15° 0 | W15 |
| T 16 | 10 2 0 | 2°17'44 | 3♎ 1 | 23°42 | 27°14 | 8°15 | 23°56 | 23°57 | 8° 6 | 24° 6 | 24°38 | 12°59 | 14°25 | 8°46 | 15° 3 | T 16 |
| F 17 | 10 5 57 | 3°17'39 | 14°55 | 25°30 | 28°28 | 9° 1 | 23°52 | 24° 0 | 8° 6 | 24° 5 | 24°36 | 12°52 | 14°22 | 8°52 | 15° 6 | F 17 |
| S 18 | 10 9 53 | 4°17'33 | 26°54 | 27°20 | 29°42 | 9°48 | 23°47 | 24° 4 | 8° 5 | 24° 4 | 24°35 | 12°49 | 14°19 | 8°59 | 15° 9 | S 18 |
| S 19 | 10 13 50 | 5°17'25 | 9♏ 2 | 29°10 | 0♈56 | 10°35 | 23°43 | 24° 7 | 8° 4 | 24° 4 | 24°33 | 12°D48 | 14°15 | 9° 6 | 15°12 | S 19 |
| M20 | 10 17 46 | 6°17'15 | 21°24 | 1♓ 2 | 2° 9 | 11°21 | 23°38 | 24°10 | 8° 4 | 24° 3 | 24°32 | 12°48 | 14°12 | 9°13 | 15°15 | M20 |
| T 21 | 10 21 43 | 7°17'03 | 4♐ 4 | 2°55 | 3°23 | 12° 8 | 23°34 | 24°14 | 8° 3 | 24° 2 | 24°30 | 12°R48 | 14° 9 | 9°19 | 15°17 | T 21 |
| W22 | 10 25 39 | 8°16'50 | 17° 6 | 4°49 | 4°37 | 12°55 | 23°30 | 24°17 | 8° 2 | 24° 1 | 24°29 | 12°48 | 14° 6 | 9°26 | 15°20 | W22 |
| T 23 | 10 29 36 | 9°16'35 | 0♑36 | 6°44 | 5°50 | 13°41 | 23°26 | 24°21 | 8° 1 | 24° 0 | 24°27 | 12°46 | 14° 3 | 9°33 | 15°22 | T 23 |
| F 24 | 10 33 32 | 10°16'18 | 14°34 | 8°40 | 7° 4 | 14°28 | 23°23 | 24°25 | 8° 0 | 23°59 | 24°26 | 12°42 | 14° 0 | 9°39 | 15°25 | F 24 |
| S 25 | 10 37 29 | 11°16'00 | 29° 1 | 10°37 | 8°17 | 15°14 | 23°19 | 24°29 | 7°59 | 23°57 | 24°24 | 12°35 | 13°56 | 9°46 | 15°27 | S 25 |
| S 26 | 10 41 26 | 12°15'39 | 13♒54 | 12°35 | 9°31 | 16° 1 | 23°16 | 24°33 | 7°58 | 23°56 | 24°23 | 12°27 | 13°53 | 9°53 | 15°29 | S 26 |
| M27 | 10 45 22 | 13°15'17 | 29° 4 | 14°34 | 10°44 | 16°47 | 23°13 | 24°37 | 7°57 | 23°55 | 24°21 | 12°17 | 13°50 | 10° 0 | 15°31 | M27 |
| T 28 | 10 49 19 | 14♓14'53 | 14♓24 | 16♓34 | 11♈58 | 17♓34 | 23♋10 | 24♉41 | 7♏56 | 23♎54 | 24♌20 | 12♏ 8 | 13♏47 | 10♍ 6 | 15♐33 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 15s45 | 0n15 | 4n 2 | 22s 6 | 1s37 | 9s37 | 1s21 | 13s43 | 1s 1 | 21n58 | 0n49 | 16n58 | 1s49 | 13s53 | 0n26 | 7s43 | 1n52 | 25n49 | 13n24 | 16s21 | 16s29 | 4n31 | 19s 4 | 3n35 | W 1 |
| T 2 | 15 26 | 5 20 | 3 8 | 21 51 | 1 42 | 9 7 | 1 20 | 13 26 | 1 1 | 21 59 | 0 49 | 16 58 | 1 49 | 13 53 | 0 26 | 7 43 | 1 52 | 25 50 | 13 24 | 16 19 | 16 28 | 4 29 | 19 4 | 3 36 | T 2 |
| F 3 | 15 8 | 9 59 | 2 3 | 21 34 | 1 46 | 8 38 | 1 19 | 13 9 | 1 1 | 22 1 | 0 49 | 16 59 | 1 49 | 13 53 | 0 26 | 7 43 | 1 52 | 25 50 | 13 24 | 16 18 | 16 27 | 4 27 | 19 4 | 3 36 | F 3 |
| S 4 | 14 49 | 13 57 | 0 52 | 21 16 | 1 50 | 8 8 | 1 17 | 12 53 | 1 0 | 22 2 | 0 49 | 17 0 | 1 48 | 13 54 | 0 26 | 7 42 | 1 52 | 25 51 | 13 25 | 16 18 | 16 26 | 4 25 | 19 4 | 3 37 | S 4 |
| S 5 | 14 29 | 17 2 | 0s19 | 20 57 | 1 53 | 7 38 | 1 16 | 12 36 | 1 0 | 22 3 | 0 49 | 17 1 | 1 48 | 13 54 | 0 26 | 7 42 | 1 53 | 25 52 | 13 25 | 16 18 | 16 25 | 4 23 | 19 4 | 3 37 | S 5 |
| M 6 | 14 10 | 19 7 | 1 28 | 20 35 | 1 57 | 7 8 | 1 15 | 12 19 | 1 0 | 22 4 | 0 49 | 17 1 | 1 48 | 13 54 | 0 26 | 7 42 | 1 53 | 25 52 | 13 25 | 16 18 | 16 25 | 4 20 | 19 4 | 3 38 | M 6 |
| T 7 | 13 50 | 20 9 | 2 30 | 20 13 | 1 59 | 6 37 | 1 13 | 12 2 | 0 59 | 22 5 | 0 49 | 17 2 | 1 47 | 13 53 | 0 26 | 7 42 | 1 53 | 25 53 | 13 25 | 16 17 | 16 24 | 4 18 | 19 4 | 3 38 | T 7 |
| W 8 | 13 30 | 20 9 | 3 23 | 19 49 | 2 2 | 6 7 | 1 11 | 11 44 | 0 59 | 22 7 | 0 49 | 17 3 | 1 47 | 13 53 | 0 26 | 7 41 | 1 53 | 25 53 | 13 25 | 16 16 | 16 23 | 4 16 | 19 4 | 3 38 | W 8 |
| T 9 | 13 10 | 19 9 | 4 6 | 19 23 | 2 4 | 5 36 | 1 10 | 11 27 | 0 59 | 22 8 | 0 49 | 17 4 | 1 47 | 13 53 | 0 26 | 7 41 | 1 53 | 25 54 | 13 25 | 16 14 | 16 22 | 4 14 | 19 4 | 3 39 | T 9 |
| F 10 | 12 49 | 17 17 | 4 37 | 18 56 | 2 5 | 5 5 | 1 8 | 11 10 | 0 58 | 22 9 | 0 49 | 17 5 | 1 47 | 13 53 | 0 26 | 7 41 | 1 53 | 25 55 | 13 25 | 16 11 | 16 21 | 4 12 | 19 3 | 3 39 | F 10 |
| S 11 | 12 29 | 14 41 | 4 55 | 18 27 | 2 7 | 4 34 | 1 6 | 10 52 | 0 58 | 22 10 | 0 49 | 17 5 | 1 46 | 13 53 | 0 26 | 7 40 | 1 53 | 25 55 | 13 25 | 16 8 | 16 20 | 4 10 | 19 3 | 3 40 | S 11 |
| S 12 | 12 8 | 11 30 | 5 0 | 17 57 | 2 7 | 4 3 | 1 4 | 10 35 | 0 58 | 22 11 | 0 49 | 17 6 | 1 46 | 13 53 | 0 26 | 7 40 | 1 53 | 25 56 | 13 25 | 16 4 | 16 19 | 4 7 | 19 3 | 3 40 | S 12 |
| M13 | 11 47 | 7 52 | 4 52 | 17 25 | 2 8 | 3 32 | 1 2 | 10 17 | 0 57 | 22 12 | 0 49 | 17 7 | 1 46 | 13 53 | 0 26 | 7 40 | 1 53 | 25 56 | 13 25 | 16 0 | 16 18 | 4 5 | 19 3 | 3 41 | M13 |
| T 14 | 11 26 | 3 57 | 4 31 | 16 52 | 2 8 | 3 1 | 1 0 | 9 59 | 0 57 | 22 13 | 0 49 | 17 8 | 1 46 | 13 53 | 0 26 | 7 39 | 1 53 | 25 57 | 13 25 | 15 56 | 16 17 | 4 3 | 19 3 | 3 41 | T 14 |
| W15 | 11 4 | 0s 7 | 3 58 | 16 17 | 2 7 | 2 29 | 0 58 | 9 41 | 0 56 | 22 14 | 0 49 | 17 9 | 1 45 | 13 53 | 0 26 | 7 39 | 1 53 | 25 58 | 13 25 | 15 52 | 16 16 | 4 1 | 19 3 | 3 42 | W15 |
| T 16 | 10 43 | 4 11 | 3 14 | 15 40 | 2 6 | 1 58 | 0 56 | 9 23 | 0 56 | 22 15 | 0 49 | 17 10 | 1 45 | 13 53 | 0 26 | 7 39 | 1 53 | 25 58 | 13 25 | 15 49 | 16 15 | 3 59 | 19 3 | 3 42 | T 16 |
| F 17 | 10 21 | 8 6 | 2 22 | 15 2 | 2 5 | 1 26 | 0 54 | 9 5 | 0 56 | 22 15 | 0 49 | 17 11 | 1 45 | 13 52 | 0 26 | 7 38 | 1 53 | 25 59 | 13 25 | 15 47 | 16 14 | 3 57 | 19 3 | 3 43 | F 17 |
| S 18 | 9 59 | 11 43 | 1 24 | 14 23 | 2 3 | 0 55 | 0 52 | 8 47 | 0 55 | 22 16 | 0 49 | 17 12 | 1 44 | 13 52 | 0 26 | 7 38 | 1 53 | 25 59 | 13 25 | 15 46 | 16 13 | 3 55 | 19 2 | 3 43 | S 18 |
| S 19 | 9 37 | 14 54 | 0 20 | 13 42 | 2 0 | 0 23 | 0 50 | 8 29 | 0 55 | 22 17 | 0 49 | 17 13 | 1 44 | 13 52 | 0 26 | 7 38 | 1 53 | 26 0 | 13 25 | 15 46 | 16 12 | 3 52 | 19 2 | 3 44 | S 19 |
| M20 | 9 15 | 17 29 | 0n46 | 12 59 | 1 57 | 0n 8 | 0 47 | 8 11 | 0 55 | 22 18 | 0 49 | 17 14 | 1 44 | 13 52 | 0 26 | 7 37 | 1 53 | 26 0 | 13 25 | 15 46 | 16 11 | 3 50 | 19 2 | 3 44 | M20 |
| T 21 | 8 53 | 19 16 | 1 51 | 12 15 | 1 54 | 0 40 | 0 45 | 7 53 | 0 54 | 22 18 | 0 49 | 17 15 | 1 44 | 13 51 | 0 26 | 7 37 | 1 53 | 26 1 | 13 25 | 15 46 | 16 10 | 3 48 | 19 2 | 3 45 | T 21 |
| W22 | 8 31 | 20 5 | 2 52 | 11 30 | 1 49 | 1 11 | 0 43 | 7 34 | 0 54 | 22 19 | 0 49 | 17 17 | 1 43 | 13 51 | 0 26 | 7 36 | 1 53 | 26 1 | 13 25 | 15 46 | 16 9 | 3 46 | 19 2 | 3 45 | W22 |
| T 23 | 8 8 | 19 48 | 3 46 | 10 43 | 1 45 | 1 43 | 0 40 | 7 16 | 0 53 | 22 20 | 0 49 | 17 18 | 1 43 | 13 51 | 0 26 | 7 36 | 1 54 | 26 2 | 13 25 | 15 45 | 16 8 | 3 44 | 19 1 | 3 46 | T 23 |
| F 24 | 7 45 | 18 19 | 4 29 | 9 54 | 1 40 | 2 15 | 0 38 | 6 58 | 0 53 | 22 20 | 0 49 | 17 19 | 1 43 | 13 51 | 0 26 | 7 36 | 1 54 | 26 2 | 13 25 | 15 44 | 16 8 | 3 42 | 19 1 | 3 46 | F 24 |
| S 25 | 7 23 | 15 38 | 4 56 | 9 5 | 1 34 | 2 46 | 0 35 | 6 39 | 0 52 | 22 21 | 0 49 | 17 20 | 1 43 | 13 50 | 0 26 | 7 35 | 1 54 | 26 3 | 13 25 | 15 42 | 16 7 | 3 39 | 19 1 | 3 47 | S 25 |
| S 26 | 7 0 | 11 53 | 5 4 | 8 13 | 1 28 | 3 17 | 0 33 | 6 21 | 0 52 | 22 21 | 0 49 | 17 21 | 1 42 | 13 50 | 0 26 | 7 35 | 1 54 | 26 3 | 13 25 | 15 39 | 16 6 | 3 37 | 19 1 | 3 47 | S 26 |
| M27 | 6 37 | 7 18 | 4 52 | 7 21 | 1 21 | 3 49 | 0 30 | 6 2 | 0 52 | 22 22 | 0 49 | 17 22 | 1 42 | 13 50 | 0 26 | 7 34 | 1 54 | 26 4 | 13 25 | 15 37 | 16 5 | 3 35 | 19 0 | 3 48 | M27 |
| T 28 | 6s14 | 2s13 | 4n18 | 6s28 | 1s14 | 4n20 | 0s27 | 5s44 | 0s51 | 22n22 | 0n49 | 17n24 | 1s42 | 13s49 | 0n26 | 7s34 | 1n54 | 26n 4 | 13n25 | 15s34 | 16s 4 | 3n33 | 19s 0 | 3n48 | T 28 |

Julian Day Number = 2075746.5, Delta T = 26m53s
Ecliptic obliquity = 23°34'15, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'02, Lahiri = 9°31'02 Julian Calendar 1 Feb. 971 == Greg. Calendar 6 Feb. 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## MARCH 971 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 53 15 | 15♓14'26 | 29♓40 | 18♓34 | 13♈11 | 18♓20 | 23°R 8 | 24♉45 | 7°R55 | 23°R53 | 24°R18 | 12°R 1 | 13♏44 | 10♍13 | 15♐35 | W 1 |
| T 2 | 10 57 12 | 16°13'58 | 14♈42 | 20°35 | 14°24 | 19° 6 | 23♋ 5 | 24°50 | 7♏54 | 23♎52 | 24♌17 | 11♏56 | 13°40 | 10°20 | 15°37 | T 2 |
| F 3 | 11 1 8 | 17°13'27 | 29°22 | 22°36 | 15°37 | 19°53 | 23° 3 | 24°54 | 7°53 | 23°51 | 24°16 | 11°53 | 13°37 | 10°26 | 15°39 | F 3 |
| S 4 | 11 5 5 | 18°12'54 | 13♉35 | 24°38 | 16°50 | 20°39 | 23° 1 | 24°59 | 7°51 | 23°49 | 24°14 | 11°D52 | 13°34 | 10°33 | 15°40 | S 4 |
| S 5 | 11 9 1 | 19°12'18 | 27°21 | 26°39 | 18° 4 | 21°25 | 22°59 | 25° 3 | 7°50 | 23°48 | 24°13 | 11°53 | 13°31 | 10°40 | 15°42 | S 5 |
| M 6 | 11 12 58 | 20°11'40 | 10♊39 | 28°40 | 19°17 | 22°11 | 22°57 | 25° 8 | 7°49 | 23°47 | 24°11 | 11°54 | 13°28 | 10°47 | 15°43 | M 6 |
| T 7 | 11 16 55 | 21°11'00 | 23°33 | 0♈40 | 20°30 | 22°58 | 22°55 | 25°13 | 7°47 | 23°45 | 24°10 | 11°R54 | 13°25 | 10°53 | 15°44 | T 7 |
| W 8 | 11 20 51 | 22°10'18 | 6♋ 7 | 2°39 | 21°42 | 23°44 | 22°54 | 25°17 | 7°46 | 23°44 | 24° 9 | 11°53 | 13°21 | 11° 0 | 15°46 | W 8 |
| T 9 | 11 24 48 | 23° 9'33 | 18°26 | 4°37 | 22°55 | 24°30 | 22°53 | 25°22 | 7°44 | 23°43 | 24° 7 | 11°50 | 13°18 | 11° 7 | 15°47 | T 9 |
| F 10 | 11 28 44 | 24° 8'46 | 0♌33 | 6°33 | 24° 8 | 25°16 | 22°52 | 25°27 | 7°43 | 23°41 | 24° 6 | 11°45 | 13°15 | 11°13 | 15°48 | F 10 |
| S 11 | 11 32 41 | 25° 7'56 | 12°32 | 8°27 | 25°21 | 26° 2 | 22°51 | 25°32 | 7°41 | 23°40 | 24° 5 | 11°38 | 13°12 | 11°20 | 15°49 | S 11 |
| S 12 | 11 36 37 | 26° 7'04 | 24°26 | 10°19 | 26°34 | 26°48 | 22°50 | 25°38 | 7°39 | 23°39 | 24° 3 | 11°30 | 13° 9 | 11°27 | 15°50 | S 12 |
| M13 | 11 40 34 | 27° 6'10 | 6♍18 | 12° 8 | 27°46 | 27°33 | 22°50 | 25°43 | 7°38 | 23°37 | 24° 2 | 11°21 | 13° 6 | 11°33 | 15°51 | M13 |
| T 14 | 11 44 30 | 28° 5'14 | 18° 9 | 13°53 | 28°59 | 28°19 | 22°50 | 25°48 | 7°36 | 23°36 | 24° 1 | 11°12 | 13° 2 | 11°40 | 15°51 | T 14 |
| W15 | 11 48 27 | 29° 4'15 | 0♎ 2 | 15°34 | 0♉11 | 29° 5 | 22°D50 | 25°54 | 7°34 | 23°34 | 24° 0 | 11° 5 | 12°59 | 11°47 | 15°52 | W15 |
| T 16 | 11 52 23 | 0♈ 3'15 | 11°58 | 17°12 | 1°24 | 29°51 | 22°50 | 25°59 | 7°32 | 23°33 | 23°59 | 11° 0 | 12°56 | 11°54 | 15°52 | T 16 |
| F 17 | 11 56 20 | 1° 2'12 | 23°58 | 18°45 | 2°36 | 0♈37 | 22°50 | 26° 5 | 7°31 | 23°31 | 23°57 | 10°56 | 12°53 | 12° 0 | 15°53 | F 17 |
| S 18 | 12 0 17 | 2° 1'08 | 6♏ 6 | 20°14 | 3°48 | 1°22 | 22°51 | 26°10 | 7°29 | 23°30 | 23°56 | 10°D55 | 12°50 | 12° 7 | 15°53 | S 18 |
| S 19 | 12 4 13 | 3° 0'01 | 18°23 | 21°38 | 5° 0 | 2° 8 | 22°52 | 26°16 | 7°27 | 23°28 | 23°55 | 10°55 | 12°46 | 12°14 | 15°53 | S 19 |
| M20 | 12 8 10 | 3°58'53 | 0♐52 | 22°56 | 6°13 | 2°53 | 22°53 | 26°22 | 7°25 | 23°27 | 23°54 | 10°56 | 12°43 | 12°20 | 15°54 | M20 |
| T 21 | 12 12 6 | 4°57'43 | 13°37 | 24° 9 | 7°25 | 3°39 | 22°54 | 26°27 | 7°23 | 23°25 | 23°53 | 10°58 | 12°40 | 12°27 | 15°R54 | T 21 |
| W22 | 12 16 3 | 5°56'31 | 26°40 | 25°17 | 8°37 | 4°24 | 22°55 | 26°33 | 7°21 | 23°24 | 23°52 | 10°59 | 12°37 | 12°34 | 15°54 | W22 |
| T 23 | 12 19 59 | 6°55'18 | 10♑ 6 | 26°19 | 9°49 | 5°10 | 22°56 | 26°39 | 7°19 | 23°22 | 23°51 | 10°R59 | 12°34 | 12°41 | 15°53 | T 23 |
| F 24 | 12 23 56 | 7°54'03 | 23°55 | 27°15 | 11° 0 | 5°55 | 22°58 | 26°45 | 7°17 | 23°21 | 23°50 | 10°58 | 12°31 | 12°47 | 15°53 | F 24 |
| S 25 | 12 27 52 | 8°52'46 | 8♒ 8 | 28° 5 | 12°12 | 6°41 | 23° 0 | 26°51 | 7°15 | 23°19 | 23°49 | 10°56 | 12°27 | 12°54 | 15°53 | S 25 |
| S 26 | 12 31 49 | 9°51'27 | 22°45 | 28°49 | 13°24 | 7°26 | 23° 2 | 26°57 | 7°13 | 23°18 | 23°48 | 10°52 | 12°24 | 13° 1 | 15°52 | S 26 |
| M27 | 12 35 46 | 10°50'06 | 7♓39 | 29°27 | 14°36 | 8°11 | 23° 4 | 27° 4 | 7°11 | 23°16 | 23°47 | 10°48 | 12°21 | 13° 7 | 15°52 | M27 |
| T 28 | 12 39 42 | 11°48'44 | 22°43 | 29°59 | 15°47 | 8°56 | 23° 6 | 27°10 | 7° 8 | 23°15 | 23°46 | 10°44 | 12°18 | 13°14 | 15°51 | T 28 |
| W29 | 12 43 39 | 12°47'20 | 7♈50 | 0♉25 | 16°59 | 9°41 | 23° 9 | 27°16 | 7° 6 | 23°13 | 23°45 | 10°40 | 12°15 | 13°21 | 15°51 | W29 |
| T 30 | 12 47 35 | 13°45'54 | 22°48 | 0°44 | 18°10 | 10°27 | 23°12 | 27°23 | 7° 4 | 23°11 | 23°44 | 10°38 | 12°11 | 13°27 | 15°50 | T 30 |
| F 31 | 12 51 32 | 14♈44'25 | 7♉29 | 0♉58 | 19♉22 | 11♈12 | 23♋15 | 27♉29 | 7♏ 2 | 23♎10 | 23♌43 | 10°D37 | 12♏ 8 | 13♍34 | 15♐49 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s51 | 3n 1 | 3n26 | 5s33 | 1s 6 | 4n51 | 0s25 | 5s25 | 0s51 | 22n23 | 0n49 | 17n25 | 1s42 | 13s49 | 0n26 | 7s33 | 1n54 | 26n 5 | 13n25 | 15s32 | 16s 3 | 3n31 | 19s 0 | 3n49 |
| T 2 | 5 28 | 7 59 | 2 20 | 4 38 | 0 57 | 5 22 | 0 22 | 5 6 | 0 50 | 22 23 | 0 49 | 17 26 | 1 42 | 13 48 | 0 26 | 7 33 | 1 54 | 26 5 | 13 25 | 15 30 | 16 2 | 3 29 | 18 59 | 3 49 |
| F 3 | 5 4 | 12 21 | 1 7 | 3 41 | 0 48 | 5 53 | 0 19 | 4 48 | 0 50 | 22 24 | 0 49 | 17 28 | 1 41 | 13 48 | 0 26 | 7 32 | 1 54 | 26 6 | 13 25 | 15 29 | 16 1 | 3 26 | 18 59 | 3 50 |
| S 4 | 4 41 | 15 51 | 0s 9 | 2 44 | 0 39 | 6 24 | 0 16 | 4 29 | 0 49 | 22 24 | 0 49 | 17 29 | 1 41 | 13 48 | 0 26 | 7 32 | 1 54 | 26 6 | 13 25 | 15 29 | 16 0 | 3 24 | 18 59 | 3 50 |
| S 5 | 4 18 | 18 20 | 1 22 | 1 47 | 0 29 | 6 55 | 0 13 | 4 10 | 0 49 | 22 24 | 0 49 | 17 30 | 1 41 | 13 47 | 0 26 | 7 31 | 1 54 | 26 6 | 13 25 | 15 29 | 15 59 | 3 22 | 18 58 | 3 51 |
| M 6 | 3 54 | 19 43 | 2 28 | 0 49 | 0 18 | 7 25 | 0 11 | 3 51 | 0 48 | 22 25 | 0 49 | 17 32 | 1 41 | 13 47 | 0 26 | 7 31 | 1 54 | 26 7 | 13 24 | 15 29 | 15 58 | 3 20 | 18 58 | 3 51 |
| T 7 | 3 31 | 20 0 | 3 25 | 0n 9 | 0 7 | 7 56 | 0 8 | 3 33 | 0 48 | 22 25 | 0 49 | 17 33 | 1 40 | 13 46 | 0 26 | 7 30 | 1 54 | 26 7 | 13 24 | 15 29 | 15 57 | 3 18 | 18 57 | 3 52 |
| W 8 | 3 7 | 19 16 | 4 10 | 1 7 | 0n 4 | 8 26 | 0 5 | 3 14 | 0 48 | 22 25 | 0 49 | 17 34 | 1 40 | 13 46 | 0 26 | 7 30 | 1 54 | 26 7 | 13 24 | 15 29 | 15 56 | 3 16 | 18 57 | 3 53 |
| T 9 | 2 44 | 17 38 | 4 42 | 2 5 | 0 16 | 8 56 | 0 2 | 2 55 | 0 47 | 22 25 | 0 49 | 17 36 | 1 40 | 13 45 | 0 26 | 7 29 | 1 54 | 26 8 | 13 24 | 15 28 | 15 55 | 3 14 | 18 57 | 3 53 |
| F 10 | 2 20 | 15 14 | 5 2 | 3 2 | 0 27 | 9 26 | 0n 1 | 2 36 | 0 47 | 22 25 | 0 49 | 17 37 | 1 40 | 13 45 | 0 26 | 7 29 | 1 54 | 26 8 | 13 24 | 15 27 | 15 54 | 3 11 | 18 56 | 3 54 |
| S 11 | 1 57 | 12 13 | 5 7 | 3 58 | 0 39 | 9 55 | 0 4 | 2 17 | 0 46 | 22 25 | 0 49 | 17 39 | 1 39 | 13 44 | 0 26 | 7 28 | 1 54 | 26 8 | 13 24 | 15 24 | 15 53 | 3 9 | 18 56 | 3 54 |
| S 12 | 1 33 | 8 44 | 5 0 | 4 53 | 0 51 | 10 25 | 0 7 | 1 59 | 0 46 | 22 25 | 0 49 | 17 40 | 1 39 | 13 44 | 0 26 | 7 28 | 1 54 | 26 9 | 13 24 | 15 22 | 15 52 | 3 7 | 18 55 | 3 55 |
| M13 | 1 9 | 4 56 | 4 39 | 5 47 | 1 3 | 10 54 | 0 10 | 1 40 | 0 45 | 22 25 | 0 49 | 17 41 | 1 39 | 13 43 | 0 26 | 7 27 | 1 54 | 26 9 | 13 24 | 15 19 | 15 51 | 3 5 | 18 55 | 3 55 |
| T 14 | 0 46 | 0 56 | 4 7 | 6 39 | 1 15 | 11 23 | 0 13 | 1 21 | 0 45 | 22 25 | 0 49 | 17 43 | 1 39 | 13 42 | 0 26 | 7 27 | 1 54 | 26 9 | 13 23 | 15 16 | 15 50 | 3 3 | 18 55 | 3 56 |
| W15 | 0 22 | 3s 7 | 3 23 | 7 30 | 1 27 | 11 51 | 0 16 | 1 2 | 0 44 | 22 25 | 0 49 | 17 44 | 1 39 | 13 42 | 0 26 | 7 26 | 1 54 | 26 10 | 13 23 | 15 14 | 15 49 | 3 1 | 18 54 | 3 56 |
| T 16 | 0n 1 | 7 4 | 2 31 | 8 18 | 1 38 | 12 20 | 0 19 | 0 44 | 0 44 | 22 25 | 0 48 | 17 46 | 1 38 | 13 41 | 0 26 | 7 25 | 1 54 | 26 10 | 13 23 | 15 12 | 15 48 | 2 59 | 18 54 | 3 57 |
| F 17 | 0 25 | 10 45 | 1 31 | 9 4 | 1 49 | 12 48 | 0 22 | 0 25 | 0 43 | 22 25 | 0 48 | 17 47 | 1 38 | 13 41 | 0 26 | 7 25 | 1 54 | 26 10 | 13 23 | 15 11 | 15 47 | 2 56 | 18 53 | 3 57 |
| S 18 | 0 48 | 14 2 | 0 26 | 9 48 | 2 0 | 13 15 | 0 26 | 0 6 | 0 43 | 22 25 | 0 48 | 17 49 | 1 38 | 13 40 | 0 26 | 7 24 | 1 54 | 26 10 | 13 23 | 15 11 | 15 46 | 2 54 | 18 53 | 3 58 |
| S 19 | 1 12 | 16 45 | 0n41 | 10 29 | 2 10 | 13 43 | 0 29 | 0n13 | 0 42 | 22 25 | 0 48 | 17 50 | 1 38 | 13 39 | 0 26 | 7 24 | 1 54 | 26 11 | 13 22 | 15 11 | 15 45 | 2 52 | 18 52 | 3 58 |
| M20 | 1 35 | 18 42 | 1 47 | 11 7 | 2 19 | 14 10 | 0 32 | 0 31 | 0 42 | 22 25 | 0 48 | 17 52 | 1 38 | 13 39 | 0 26 | 7 23 | 1 54 | 26 11 | 13 22 | 15 11 | 15 44 | 2 50 | 18 52 | 3 59 |
| T 21 | 1 59 | 19 46 | 2 49 | 11 43 | 2 28 | 14 37 | 0 35 | 0 50 | 0 41 | 22 25 | 0 48 | 17 53 | 1 37 | 13 38 | 0 26 | 7 23 | 1 54 | 26 11 | 13 22 | 15 12 | 15 43 | 2 48 | 18 51 | 3 59 |
| W22 | 2 22 | 19 48 | 3 44 | 12 15 | 2 36 | 15 3 | 0 38 | 1 9 | 0 40 | 22 24 | 0 48 | 17 55 | 1 37 | 13 38 | 0 26 | 7 22 | 1 55 | 26 11 | 13 22 | 15 12 | 15 43 | 2 46 | 18 51 | 4 0 |
| T 23 | 2 46 | 18 43 | 4 28 | 12 44 | 2 43 | 15 29 | 0 41 | 1 27 | 0 40 | 22 24 | 0 48 | 17 57 | 1 37 | 13 37 | 0 26 | 7 21 | 1 55 | 26 11 | 13 22 | 15 12 | 15 42 | 2 43 | 18 50 | 4 0 |
| F 24 | 3 9 | 16 32 | 4 59 | 13 11 | 2 49 | 15 55 | 0 44 | 1 46 | 0 39 | 22 24 | 0 48 | 17 58 | 1 37 | 13 36 | 0 26 | 7 21 | 1 55 | 26 12 | 13 21 | 15 12 | 15 41 | 2 41 | 18 50 | 4 1 |
| S 25 | 3 32 | 13 18 | 5 12 | 13 34 | 2 55 | 16 20 | 0 47 | 2 4 | 0 39 | 22 23 | 0 48 | 18 0 | 1 37 | 13 35 | 0 26 | 7 20 | 1 55 | 26 12 | 13 21 | 15 11 | 15 40 | 2 39 | 18 49 | 4 1 |
| S 26 | 3 56 | 9 11 | 5 6 | 13 54 | 2 59 | 16 45 | 0 50 | 2 23 | 0 38 | 22 23 | 0 48 | 18 1 | 1 36 | 13 35 | 0 26 | 7 20 | 1 55 | 26 12 | 13 21 | 15 10 | 15 39 | 2 37 | 18 48 | 4 2 |
| M27 | 4 19 | 4 26 | 4 39 | 14 10 | 3 2 | 17 9 | 0 54 | 2 41 | 0 38 | 22 23 | 0 48 | 18 3 | 1 36 | 13 34 | 0 26 | 7 19 | 1 55 | 26 12 | 13 21 | 15 9 | 15 38 | 2 35 | 18 48 | 4 2 |
| T 28 | 4 42 | 0n40 | 3 53 | 14 24 | 3 4 | 17 33 | 0 57 | 3 0 | 0 37 | 22 22 | 0 48 | 18 5 | 1 36 | 13 33 | 0 26 | 7 18 | 1 55 | 26 12 | 13 21 | 15 8 | 15 37 | 2 33 | 18 47 | 4 3 |
| W29 | 5 5 | 5 44 | 2 50 | 14 34 | 3 5 | 17 57 | 1 0 | 3 18 | 0 37 | 22 22 | 0 48 | 18 6 | 1 36 | 13 33 | 0 26 | 7 18 | 1 55 | 26 12 | 13 20 | 15 6 | 15 36 | 2 31 | 18 47 | 4 3 |
| T 30 | 5 28 | 10 24 | 1 36 | 14 40 | 3 4 | 18 20 | 1 3 | 3 36 | 0 36 | 22 21 | 0 48 | 18 8 | 1 36 | 13 32 | 0 26 | 7 17 | 1 55 | 26 12 | 13 20 | 15 6 | 15 35 | 2 29 | 18 46 | 4 4 |
| F 31 | 5n50 | 14n21 | 0n17 | 14n43 | 3n 3 | 18n43 | 1n 6 | 3n54 | 0s36 | 22n21 | 0n48 | 18n 9 | 1s35 | 13s31 | 0n26 | 7s16 | 1n55 | 26n12 | 13n20 | 15s 5 | 15s34 | 2n26 | 18s46 | 4n 4 |

Julian Day Number = 2075774.5, Delta T = 26m52s
Ecliptic obliquity = 23°34'15, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'05, Lahiri = 9°31'06 Julian Calendar 1 March 971 == Greg. Calendar 6 March 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## APRIL 971 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 55 28 | 15♈42'55 | 21♉48 | 1♉ 5 | 20♉33 | 11♈57 | 23♋18 | 27♉35 | 6°R59 | 23°R 8 | 23°R42 | 10♏38 | 12♏ 5 | 13♍41 | 15°R48 | S 1 |
| S 2 | 12 59 25 | 16°41'23 | 5♊41 | 1°R 7 | 21°44 | 12°42 | 23°21 | 27°42 | 6♏57 | 23♎ 6 | 23♌41 | 10°39 | 12° 2 | 13°48 | 15♐47 | S 2 |
| M 3 | 13 3 21 | 17°39'49 | 19° 8 | 1° 2 | 22°55 | 13°26 | 23°25 | 27°49 | 6°55 | 23° 5 | 23°41 | 10°40 | 11°59 | 13°54 | 15°46 | M 3 |
| T 4 | 13 7 18 | 18°38'12 | 2♋ 9 | 0°53 | 24° 6 | 14°11 | 23°28 | 27°55 | 6°53 | 23° 3 | 23°40 | 10°42 | 11°56 | 14° 1 | 15°45 | T 4 |
| W 5 | 13 11 15 | 19°36'34 | 14°48 | 0°38 | 25°17 | 14°56 | 23°32 | 28° 2 | 6°50 | 23° 2 | 23°39 | 10°R42 | 11°52 | 14° 8 | 15°43 | W 5 |
| T 6 | 13 15 11 | 20°34'53 | 27° 9 | 0°18 | 26°28 | 15°41 | 23°36 | 28° 9 | 6°48 | 23° 0 | 23°38 | 10°42 | 11°49 | 14°14 | 15°42 | T 6 |
| F 7 | 13 19 8 | 21°33'10 | 9♌16 | 29♈54 | 27°39 | 16°26 | 23°40 | 28°15 | 6°45 | 22°58 | 23°38 | 10°41 | 11°46 | 14°21 | 15°40 | F 7 |
| S 8 | 13 23 4 | 22°31'25 | 21°13 | 29°26 | 28°50 | 17°10 | 23°44 | 28°22 | 6°43 | 22°57 | 23°37 | 10°39 | 11°43 | 14°28 | 15°39 | S 8 |
| S 9 | 13 27 1 | 23°29'38 | 3♍ 6 | 28°55 | 0♊ 0 | 17°55 | 23°49 | 28°29 | 6°41 | 22°55 | 23°36 | 10°37 | 11°40 | 14°34 | 15°37 | S 9 |
| M10 | 13 30 57 | 24°27'48 | 14°56 | 28°21 | 1°11 | 18°39 | 23°53 | 28°36 | 6°38 | 22°53 | 23°36 | 10°35 | 11°37 | 14°41 | 15°36 | M10 |
| T 11 | 13 34 54 | 25°25'57 | 26°49 | 27°45 | 2°21 | 19°24 | 23°58 | 28°43 | 6°36 | 22°52 | 23°35 | 10°32 | 11°33 | 14°48 | 15°34 | T 11 |
| W12 | 13 38 50 | 26°24'04 | 8♎45 | 27° 7 | 3°32 | 20° 8 | 24° 3 | 28°50 | 6°33 | 22°50 | 23°35 | 10°30 | 11°30 | 14°55 | 15°32 | W12 |
| T 13 | 13 42 47 | 27°22'09 | 20°48 | 26°29 | 4°42 | 20°53 | 24° 8 | 28°57 | 6°31 | 22°49 | 23°34 | 10°29 | 11°27 | 15° 1 | 15°30 | T 13 |
| F 14 | 13 46 43 | 28°20'13 | 3♏ 0 | 25°51 | 5°52 | 21°37 | 24°13 | 29° 4 | 6°28 | 22°47 | 23°34 | 10°28 | 11°24 | 15° 8 | 15°28 | F 14 |
| S 15 | 13 50 40 | 29°18'15 | 15°21 | 25°13 | 7° 2 | 22°21 | 24°19 | 29°11 | 6°26 | 22°45 | 23°33 | 10°D28 | 11°21 | 15°15 | 15°26 | S 15 |
| S 16 | 13 54 37 | 0♉16'15 | 27°54 | 24°36 | 8°12 | 23° 5 | 24°24 | 29°19 | 6°23 | 22°44 | 23°33 | 10°28 | 11°17 | 15°21 | 15°23 | S 16 |
| M17 | 13 58 33 | 1°14'14 | 10♐39 | 24° 2 | 9°22 | 23°50 | 24°30 | 29°26 | 6°21 | 22°42 | 23°32 | 10°29 | 11°14 | 15°28 | 15°21 | M17 |
| T 18 | 14 2 30 | 2°12'11 | 23°38 | 23°30 | 10°31 | 24°34 | 24°36 | 29°33 | 6°18 | 22°40 | 23°32 | 10°30 | 11°11 | 15°35 | 15°19 | T 18 |
| W19 | 14 6 26 | 3°10'07 | 6♑53 | 23° 1 | 11°41 | 25°18 | 24°42 | 29°40 | 6°16 | 22°39 | 23°32 | 10°31 | 11° 8 | 15°41 | 15°16 | W19 |
| T 20 | 14 10 23 | 4° 8'01 | 20°24 | 22°35 | 12°51 | 26° 2 | 24°48 | 29°48 | 6°13 | 22°37 | 23°31 | 10°31 | 11° 5 | 15°48 | 15°14 | T 20 |
| F 21 | 14 14 19 | 5° 5'55 | 4♒12 | 22°13 | 14° 0 | 26°46 | 24°54 | 29°55 | 6°11 | 22°36 | 23°31 | 10°R31 | 11° 2 | 15°55 | 15°11 | F 21 |
| S 22 | 14 18 16 | 6° 3'46 | 18°17 | 21°55 | 15° 9 | 27°30 | 25° 1 | 0♊ 2 | 6° 8 | 22°34 | 23°31 | 10°31 | 10°58 | 16° 2 | 15° 9 | S 22 |
| S 23 | 14 22 12 | 7° 1'37 | 2♓37 | 21°41 | 16°18 | 28°13 | 25° 7 | 0°10 | 6° 6 | 22°32 | 23°31 | 10°31 | 10°55 | 16° 8 | 15° 6 | S 23 |
| M24 | 14 26 9 | 7°59'27 | 17°10 | 21°32 | 17°27 | 28°57 | 25°14 | 0°17 | 6° 3 | 22°31 | 23°30 | 10°31 | 10°52 | 16°15 | 15° 3 | M24 |
| T 25 | 14 30 6 | 8°57'15 | 1♈51 | 21°27 | 18°36 | 29°41 | 25°21 | 0°25 | 6° 1 | 22°29 | 23°30 | 10°31 | 10°49 | 16°22 | 15° 0 | T 25 |
| W26 | 14 34 2 | 9°55'02 | 16°34 | 21°D27 | 19°45 | 0♉25 | 25°28 | 0°32 | 5°58 | 22°28 | 23°30 | 10°30 | 10°46 | 16°28 | 14°58 | W26 |
| T 27 | 14 37 59 | 10°52'47 | 1♉12 | 21°31 | 20°54 | 1° 8 | 25°35 | 0°40 | 5°56 | 22°26 | 23°30 | 10°D30 | 10°42 | 16°35 | 14°55 | T 27 |
| F 28 | 14 41 55 | 11°50'32 | 15°40 | 21°40 | 22° 2 | 1°52 | 25°42 | 0°47 | 5°53 | 22°25 | 23°30 | 10°R30 | 10°39 | 16°42 | 14°52 | F 28 |
| S 29 | 14 45 52 | 12°48'15 | 29°51 | 21°53 | 23°11 | 2°36 | 25°50 | 0°55 | 5°51 | 22°23 | 23°30 | 10°30 | 10°36 | 16°48 | 14°49 | S 29 |
| S 30 | 14 49 48 | 13♉45'56 | 13♊42 | 22♈11 | 24♊19 | 3♉19 | 25♋57 | 1♊ 2 | 5♏48 | 22♎22 | 23°D30 | 10♏30 | 10♏33 | 16♍55 | 14♐45 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n13 | 17n20 | 1s 1 | 14n43 | 2n59 | 19n 5 | 1n 9 | 4n13 | 0s35 | 22n20 | 0n48 | 18n11 | 1s35 | 13s30 | 0n26 | 7s16 | 1n55 | 26n12 | 13n20 | 15s 6 | 15s33 | 2n24 | 18s45 | 4n 5 |
| S 2 | 6 36 | 19 11 | 2 14 | 14 39 | 2 55 | 19 27 | 1 12 | 4 31 | 0 34 | 22 19 | 0 48 | 18 13 | 1 35 | 13 30 | 0 26 | 7 15 | 1 55 | 26 12 | 13 19 | 15 6 | 15 32 | 2 22 | 18 44 | 4 5 |
| M 3 | 6 58 | 19 52 | 3 16 | 14 32 | 2 49 | 19 48 | 1 15 | 4 49 | 0 34 | 22 19 | 0 48 | 18 14 | 1 35 | 13 29 | 0 26 | 7 15 | 1 55 | 26 12 | 13 19 | 15 6 | 15 31 | 2 20 | 18 44 | 4 6 |
| T 4 | 7 21 | 19 26 | 4 7 | 14 22 | 2 42 | 20 9 | 1 18 | 5 7 | 0 33 | 22 18 | 0 48 | 18 16 | 1 35 | 13 28 | 0 26 | 7 14 | 1 55 | 26 12 | 13 19 | 15 7 | 15 30 | 2 18 | 18 43 | 4 6 |
| W 5 | 7 43 | 18 3 | 4 44 | 14 9 | 2 34 | 20 30 | 1 20 | 5 25 | 0 33 | 22 17 | 0 48 | 18 18 | 1 35 | 13 27 | 0 26 | 7 13 | 1 55 | 26 12 | 13 18 | 15 7 | 15 29 | 2 16 | 18 42 | 4 7 |
| T 6 | 8 5 | 15 50 | 5 7 | 13 53 | 2 24 | 20 49 | 1 23 | 5 43 | 0 32 | 22 17 | 0 48 | 18 19 | 1 34 | 13 27 | 0 26 | 7 13 | 1 55 | 26 12 | 13 18 | 15 7 | 15 28 | 2 14 | 18 42 | 4 7 |
| F 7 | 8 27 | 12 58 | 5 15 | 13 34 | 2 13 | 21 9 | 1 26 | 6 0 | 0 32 | 22 16 | 0 47 | 18 21 | 1 34 | 13 26 | 0 26 | 7 12 | 1 55 | 26 12 | 13 18 | 15 7 | 15 27 | 2 11 | 18 41 | 4 8 |
| S 8 | 8 49 | 9 36 | 5 10 | 13 12 | 2 0 | 21 27 | 1 29 | 6 18 | 0 31 | 22 15 | 0 47 | 18 23 | 1 34 | 13 25 | 0 26 | 7 12 | 1 55 | 26 12 | 13 18 | 15 6 | 15 26 | 2 9 | 18 41 | 4 8 |
| S 9 | 9 10 | 5 54 | 4 52 | 12 49 | 1 47 | 21 45 | 1 32 | 6 36 | 0 30 | 22 14 | 0 47 | 18 24 | 1 34 | 13 24 | 0 26 | 7 11 | 1 55 | 26 12 | 13 17 | 15 5 | 15 25 | 2 7 | 18 40 | 4 9 |
| M10 | 9 32 | 1 58 | 4 21 | 12 23 | 1 33 | 22 3 | 1 34 | 6 53 | 0 30 | 22 13 | 0 47 | 18 26 | 1 34 | 13 23 | 0 26 | 7 10 | 1 55 | 26 12 | 13 17 | 15 5 | 15 24 | 2 5 | 18 39 | 4 9 |
| T 11 | 9 53 | 2s 4 | 3 39 | 11 56 | 1 17 | 22 20 | 1 37 | 7 11 | 0 29 | 22 12 | 0 47 | 18 28 | 1 34 | 13 23 | 0 26 | 7 10 | 1 55 | 26 12 | 13 17 | 15 4 | 15 23 | 2 3 | 18 39 | 4 10 |
| W12 | 10 15 | 6 2 | 2 47 | 11 27 | 1 1 | 22 36 | 1 40 | 7 28 | 0 29 | 22 12 | 0 47 | 18 29 | 1 33 | 13 22 | 0 26 | 7 9 | 1 55 | 26 12 | 13 17 | 15 3 | 15 22 | 2 1 | 18 38 | 4 10 |
| T 13 | 10 36 | 9 49 | 1 47 | 10 58 | 0 45 | 22 52 | 1 42 | 7 45 | 0 28 | 22 11 | 0 47 | 18 31 | 1 33 | 13 21 | 0 26 | 7 9 | 1 55 | 26 12 | 13 16 | 15 3 | 15 21 | 1 59 | 18 37 | 4 11 |
| F 14 | 10 56 | 13 13 | 0 41 | 10 28 | 0 28 | 23 8 | 1 45 | 8 3 | 0 28 | 22 10 | 0 47 | 18 33 | 1 33 | 13 20 | 0 26 | 7 8 | 1 55 | 26 12 | 13 16 | 15 3 | 15 20 | 1 56 | 18 37 | 4 11 |
| S 15 | 11 17 | 16 6 | 0n27 | 9 58 | 0 11 | 23 22 | 1 47 | 8 20 | 0 27 | 22 9 | 0 47 | 18 34 | 1 33 | 13 19 | 0 26 | 7 7 | 1 55 | 26 12 | 13 16 | 15 3 | 15 19 | 1 54 | 18 36 | 4 12 |
| S 16 | 11 38 | 18 15 | 1 35 | 9 29 | 0s 6 | 23 36 | 1 50 | 8 37 | 0 26 | 22 8 | 0 47 | 18 36 | 1 33 | 13 19 | 0 26 | 7 7 | 1 55 | 26 12 | 13 15 | 15 3 | 15 18 | 1 52 | 18 35 | 4 12 |
| M17 | 11 58 | 19 32 | 2 40 | 9 0 | 0 24 | 23 50 | 1 52 | 8 54 | 0 26 | 22 7 | 0 47 | 18 38 | 1 33 | 13 18 | 0 26 | 7 6 | 1 55 | 26 12 | 13 15 | 15 3 | 15 17 | 1 50 | 18 34 | 4 13 |
| T 18 | 12 18 | 19 48 | 3 37 | 8 33 | 0 40 | 24 2 | 1 55 | 9 11 | 0 25 | 22 5 | 0 47 | 18 39 | 1 33 | 13 17 | 0 26 | 7 6 | 1 55 | 26 11 | 13 15 | 15 3 | 15 16 | 1 48 | 18 34 | 4 13 |
| W19 | 12 38 | 18 59 | 4 24 | 8 7 | 0 57 | 24 14 | 1 57 | 9 27 | 0 25 | 22 4 | 0 47 | 18 41 | 1 32 | 13 16 | 0 26 | 7 5 | 1 55 | 26 11 | 13 14 | 15 3 | 15 15 | 1 46 | 18 33 | 4 14 |
| T 20 | 12 58 | 17 6 | 4 58 | 7 43 | 1 13 | 24 26 | 1 59 | 9 44 | 0 24 | 22 3 | 0 47 | 18 43 | 1 32 | 13 15 | 0 26 | 7 4 | 1 55 | 26 11 | 13 14 | 15 4 | 15 14 | 1 44 | 18 32 | 4 14 |
| F 21 | 13 18 | 14 12 | 5 15 | 7 20 | 1 28 | 24 37 | 2 1 | 10 1 | 0 23 | 22 2 | 0 47 | 18 45 | 1 32 | 13 14 | 0 26 | 7 4 | 1 55 | 26 11 | 13 14 | 15 4 | 15 13 | 1 42 | 18 32 | 4 14 |
| S 22 | 13 37 | 10 27 | 5 14 | 7 0 | 1 42 | 24 47 | 2 3 | 10 17 | 0 23 | 22 1 | 0 47 | 18 46 | 1 32 | 13 14 | 0 26 | 7 3 | 1 55 | 26 11 | 13 13 | 15 4 | 15 12 | 1 39 | 18 31 | 4 15 |
| S 23 | 13 56 | 6 1 | 4 54 | 6 42 | 1 56 | 24 56 | 2 5 | 10 33 | 0 22 | 22 0 | 0 47 | 18 48 | 1 32 | 13 13 | 0 26 | 7 3 | 1 55 | 26 10 | 13 13 | 15 3 | 15 11 | 1 37 | 18 30 | 4 15 |
| M24 | 14 15 | 1 11 | 4 15 | 6 27 | 2 9 | 25 5 | 2 7 | 10 50 | 0 22 | 21 58 | 0 47 | 18 50 | 1 32 | 13 12 | 0 26 | 7 2 | 1 55 | 26 10 | 13 13 | 15 3 | 15 10 | 1 35 | 18 29 | 4 16 |
| T 25 | 14 34 | 3n46 | 3 19 | 6 14 | 2 21 | 25 13 | 2 9 | 11 6 | 0 21 | 21 57 | 0 47 | 18 51 | 1 32 | 13 11 | 0 26 | 7 2 | 1 55 | 26 10 | 13 12 | 15 3 | 15 9 | 1 33 | 18 29 | 4 16 |
| W26 | 14 52 | 8 32 | 2 9 | 6 4 | 2 32 | 25 21 | 2 11 | 11 22 | 0 20 | 21 56 | 0 47 | 18 53 | 1 32 | 13 10 | 0 26 | 7 1 | 1 55 | 26 10 | 13 12 | 15 3 | 15 8 | 1 31 | 18 28 | 4 17 |
| T 27 | 15 10 | 12 46 | 0 51 | 5 56 | 2 42 | 25 28 | 2 13 | 11 38 | 0 20 | 21 54 | 0 47 | 18 55 | 1 31 | 13 9 | 0 26 | 7 0 | 1 55 | 26 9 | 13 12 | 15 3 | 15 7 | 1 29 | 18 27 | 4 17 |
| F 28 | 15 28 | 16 10 | 0s29 | 5 51 | 2 51 | 25 34 | 2 14 | 11 53 | 0 19 | 21 53 | 0 47 | 18 56 | 1 31 | 13 9 | 0 26 | 7 0 | 1 55 | 26 9 | 13 11 | 15 3 | 15 6 | 1 27 | 18 27 | 4 17 |
| S 29 | 15 46 | 18 31 | 1 45 | 5 48 | 2 59 | 25 39 | 2 16 | 12 9 | 0 18 | 21 51 | 0 47 | 18 58 | 1 31 | 13 8 | 0 26 | 6 59 | 1 55 | 26 9 | 13 11 | 15 3 | 15 5 | 1 25 | 18 26 | 4 18 |
| S 30 | 16n 3 | 19n41 | 2s54 | 5n49 | 3s 6 | 25n44 | 2n17 | 12n25 | 0s18 | 21n50 | 0n46 | 19n 0 | 1s31 | 13s 7 | 0n26 | 6s59 | 1n55 | 26n 9 | 13n11 | 15s 3 | 15s 4 | 1n22 | 18s25 | 4n18 |

Julian Day Number = 2075805.5, Delta T = 26m52s
Ecliptic obliquity = 23°34'15, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'10, Lahiri = 9°31'10 Julian Calendar 1 Apr. 971 == Greg. Calendar 6 Apr. 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## MAY 971 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 53 45 | 14♉43'37 | 27♊ 9 | 22♈33 | 25♊27 | 4♉ 3 | 26♋ 5 | 1♊10 | 5°R46 | 22°R20 | 23♌30 | 10°R30 | 10♏30 | 17♍ 2 | 14°R42 | M 1 |
| T 2 | 14 57 41 | 15°41'15 | 10♋14 | 23° 0 | 26°36 | 4°46 | 26°12 | 1°18 | 5♏43 | 22♎19 | 23°30 | 10♏29 | 10°27 | 17° 8 | 14♐39 | T 2 |
| W 3 | 15 1 38 | 16°38'52 | 22°57 | 23°30 | 27°43 | 5°29 | 26°20 | 1°25 | 5°41 | 22°17 | 23°30 | 10°29 | 10°23 | 17°15 | 14°36 | W 3 |
| T 4 | 15 5 35 | 17°36'28 | 5♌21 | 24° 5 | 28°51 | 6°12 | 26°28 | 1°33 | 5°38 | 22°16 | 23°30 | 10°28 | 10°20 | 17°22 | 14°32 | T 4 |
| F 5 | 15 9 31 | 18°34'02 | 17°30 | 24°44 | 29°59 | 6°56 | 26°37 | 1°41 | 5°36 | 22°14 | 23°30 | 10°D28 | 10°17 | 17°29 | 14°29 | F 5 |
| S 6 | 15 13 28 | 19°31'34 | 29°29 | 25°26 | 1♋ 6 | 7°39 | 26°45 | 1°48 | 5°33 | 22°13 | 23°30 | 10°28 | 10°14 | 17°35 | 14°25 | S 6 |
| S 7 | 15 17 24 | 20°29'05 | 11♍21 | 26°13 | 2°14 | 8°22 | 26°53 | 1°56 | 5°31 | 22°12 | 23°31 | 10°29 | 10°11 | 17°42 | 14°22 | S 7 |
| M 8 | 15 21 21 | 21°26'35 | 23°13 | 27° 2 | 3°21 | 9° 5 | 27° 2 | 2° 4 | 5°29 | 22°10 | 23°31 | 10°30 | 10° 8 | 17°49 | 14°18 | M 8 |
| T 9 | 15 25 17 | 22°24'03 | 5♎ 7 | 27°56 | 4°28 | 9°48 | 27°10 | 2°12 | 5°26 | 22° 9 | 23°31 | 10°31 | 10° 4 | 17°55 | 14°15 | T 9 |
| W10 | 15 29 14 | 23°21'30 | 17° 7 | 28°53 | 5°35 | 10°31 | 27°19 | 2°19 | 5°24 | 22° 7 | 23°31 | 10°32 | 10° 1 | 18° 2 | 14°11 | W10 |
| T 11 | 15 33 10 | 24°18'56 | 29°18 | 29°53 | 6°41 | 11°14 | 27°28 | 2°27 | 5°22 | 22° 6 | 23°32 | 10°33 | 9°58 | 18° 9 | 14° 8 | T 11 |
| F 12 | 15 37 7 | 25°16'21 | 11♏41 | 0♉56 | 7°48 | 11°57 | 27°37 | 2°35 | 5°19 | 22° 5 | 23°32 | 10°R33 | 9°55 | 18°15 | 14° 4 | F 12 |
| S 13 | 15 41 4 | 26°13'45 | 24°19 | 2° 3 | 8°54 | 12°39 | 27°46 | 2°43 | 5°17 | 22° 4 | 23°32 | 10°32 | 9°52 | 18°22 | 14° 0 | S 13 |
| S 14 | 15 45 0 | 27°11'08 | 7♐11 | 3°12 | 10° 0 | 13°22 | 27°55 | 2°51 | 5°15 | 22° 2 | 23°33 | 10°31 | 9°48 | 18°29 | 13°56 | S 14 |
| M15 | 15 48 57 | 28° 8'29 | 20°19 | 4°25 | 11° 6 | 14° 5 | 28° 4 | 2°58 | 5°12 | 22° 1 | 23°33 | 10°29 | 9°45 | 18°36 | 13°53 | M15 |
| T 16 | 15 52 53 | 29° 5'51 | 3♑41 | 5°41 | 12°12 | 14°47 | 28°13 | 3° 6 | 5°10 | 22° 0 | 23°34 | 10°27 | 9°42 | 18°42 | 13°49 | T 16 |
| W17 | 15 56 50 | 0♊ 3'11 | 17°17 | 7° 0 | 13°18 | 15°30 | 28°23 | 3°14 | 5° 8 | 21°59 | 23°34 | 10°24 | 9°39 | 18°49 | 13°45 | W17 |
| T 18 | 16 0 46 | 1° 0'31 | 1♒ 4 | 8°21 | 14°23 | 16°13 | 28°32 | 3°22 | 5° 6 | 21°57 | 23°35 | 10°22 | 9°36 | 18°56 | 13°41 | T 18 |
| F 19 | 16 4 43 | 1°57'50 | 15° 1 | 9°46 | 15°28 | 16°55 | 28°42 | 3°30 | 5° 4 | 21°56 | 23°35 | 10°20 | 9°33 | 19° 2 | 13°37 | F 19 |
| S 20 | 16 8 39 | 2°55'09 | 29° 7 | 11°13 | 16°33 | 17°37 | 28°52 | 3°38 | 5° 2 | 21°55 | 23°36 | 10°D19 | 9°29 | 19° 9 | 13°33 | S 20 |
| S 21 | 16 12 36 | 3°52'27 | 13♓19 | 12°44 | 17°38 | 18°20 | 29° 2 | 3°45 | 4°59 | 21°54 | 23°36 | 10°19 | 9°26 | 19°16 | 13°29 | S 21 |
| M22 | 16 16 33 | 4°49'44 | 27°35 | 14°17 | 18°42 | 19° 2 | 29°11 | 3°53 | 4°57 | 21°53 | 23°37 | 10°20 | 9°23 | 19°22 | 13°25 | M22 |
| T 23 | 16 20 29 | 5°47'02 | 11♈53 | 15°52 | 19°47 | 19°44 | 29°22 | 4° 1 | 4°55 | 21°52 | 23°38 | 10°22 | 9°20 | 19°29 | 13°21 | T 23 |
| W24 | 16 24 26 | 6°44'19 | 26°10 | 17°31 | 20°51 | 20°26 | 29°32 | 4° 9 | 4°53 | 21°51 | 23°38 | 10°23 | 9°17 | 19°36 | 13°17 | W24 |
| T 25 | 16 28 22 | 7°41'35 | 10♉22 | 19°12 | 21°55 | 21° 9 | 29°42 | 4°17 | 4°51 | 21°50 | 23°39 | 10°R24 | 9°14 | 19°42 | 13°13 | T 25 |
| F 26 | 16 32 19 | 8°38'51 | 24°26 | 20°57 | 22°58 | 21°51 | 29°52 | 4°25 | 4°49 | 21°49 | 23°40 | 10°23 | 9°10 | 19°49 | 13° 9 | F 26 |
| S 27 | 16 36 15 | 9°36'07 | 8♊18 | 22°43 | 24° 2 | 22°33 | 0♌ 2 | 4°32 | 4°47 | 21°48 | 23°41 | 10°21 | 9° 7 | 19°56 | 13° 5 | S 27 |
| S 28 | 16 40 12 | 10°33'22 | 21°54 | 24°33 | 25° 5 | 23°15 | 0°13 | 4°40 | 4°45 | 21°47 | 23°41 | 10°17 | 9° 4 | 20° 3 | 13° 1 | S 28 |
| M29 | 16 44 8 | 11°30'37 | 5♋13 | 26°25 | 26° 8 | 23°57 | 0°23 | 4°48 | 4°44 | 21°46 | 23°42 | 10°13 | 9° 1 | 20° 9 | 12°57 | M29 |
| T 30 | 16 48 5 | 12°27'51 | 18°13 | 28°19 | 27°10 | 24°39 | 0°34 | 4°56 | 4°42 | 21°45 | 23°43 | 10° 8 | 8°58 | 20°16 | 12°53 | T 30 |
| W31 | 16 52 2 | 13♊25'04 | 0♌55 | 0♊16 | 28♋13 | 25♉20 | 0♌45 | 5♊ 4 | 4♏40 | 21♎44 | 23♌44 | 10♏ 3 | 8♏54 | 20♍23 | 12♐49 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n21 | 19n41 | 3s51 | 5n51 | 3s12 | 25n48 | 2n19 | 12n40 | 0s17 | 21n49 | 0n46 | 19n 1 | 1s31 | 13s 6 | 0n26 | 6s58 | 1n54 | 26n 8 | 13n11 | 15s 3 | 15s 3 | 1n20 | 18s24 | 4n19 |
| T 2 | 16 38 | 18 37 | 4 34 | 5 56 | 3 17 | 25 52 | 2 20 | 12 55 | 0 17 | 21 47 | 0 46 | 19 3 | 1 31 | 13 5 | 0 26 | 6 58 | 1 54 | 26 8 | 13 10 | 15 3 | 15 2 | 1 18 | 18 24 | 4 19 |
| W 3 | 16 54 | 16 38 | 5 2 | 6 4 | 3 21 | 25 54 | 2 21 | 13 10 | 0 16 | 21 45 | 0 46 | 19 5 | 1 31 | 13 5 | 0 26 | 6 57 | 1 54 | 26 8 | 13 10 | 15 3 | 15 1 | 1 16 | 18 23 | 4 19 |
| T 4 | 17 11 | 13 56 | 5 16 | 6 13 | 3 25 | 25 56 | 2 22 | 13 25 | 0 15 | 21 44 | 0 46 | 19 6 | 1 31 | 13 4 | 0 26 | 6 57 | 1 54 | 26 7 | 13 10 | 15 3 | 15 0 | 1 14 | 18 22 | 4 20 |
| F 5 | 17 27 | 10 40 | 5 15 | 6 25 | 3 27 | 25 58 | 2 23 | 13 40 | 0 15 | 21 42 | 0 46 | 19 8 | 1 31 | 13 3 | 0 26 | 6 56 | 1 54 | 26 7 | 13 9 | 15 2 | 14 59 | 1 12 | 18 21 | 4 20 |
| S 6 | 17 43 | 7 2 | 5 0 | 6 39 | 3 28 | 25 58 | 2 24 | 13 55 | 0 14 | 21 41 | 0 46 | 19 10 | 1 30 | 13 2 | 0 26 | 6 56 | 1 54 | 26 7 | 13 9 | 15 3 | 14 58 | 1 10 | 18 21 | 4 20 |
| S 7 | 17 58 | 3 9 | 4 32 | 6 55 | 3 29 | 25 58 | 2 25 | 14 10 | 0 13 | 21 39 | 0 46 | 19 11 | 1 30 | 13 1 | 0 26 | 6 55 | 1 54 | 26 6 | 13 9 | 15 3 | 14 57 | 1 8 | 18 20 | 4 21 |
| M 8 | 18 13 | 0s51 | 3 53 | 7 14 | 3 29 | 25 57 | 2 26 | 14 24 | 0 13 | 21 37 | 0 46 | 19 13 | 1 30 | 13 1 | 0 26 | 6 55 | 1 54 | 26 6 | 13 8 | 15 3 | 14 56 | 1 6 | 18 19 | 4 21 |
| T 9 | 18 28 | 4 51 | 3 4 | 7 33 | 3 28 | 25 56 | 2 26 | 14 38 | 0 12 | 21 36 | 0 46 | 19 15 | 1 30 | 13 0 | 0 26 | 6 54 | 1 54 | 26 5 | 13 8 | 15 3 | 14 55 | 1 3 | 18 19 | 4 21 |
| W10 | 18 43 | 8 42 | 2 6 | 7 55 | 3 26 | 25 54 | 2 27 | 14 52 | 0 12 | 21 34 | 0 46 | 19 16 | 1 30 | 12 59 | 0 26 | 6 54 | 1 54 | 26 5 | 13 8 | 15 4 | 14 54 | 1 1 | 18 18 | 4 22 |
| T 11 | 18 57 | 12 15 | 1 2 | 8 19 | 3 24 | 25 51 | 2 27 | 15 6 | 0 11 | 21 32 | 0 46 | 19 18 | 1 30 | 12 58 | 0 26 | 6 53 | 1 54 | 26 5 | 13 7 | 15 4 | 14 53 | 0 59 | 18 17 | 4 22 |
| F 12 | 19 11 | 15 19 | 0n 6 | 8 44 | 3 21 | 25 48 | 2 28 | 15 20 | 0 10 | 21 30 | 0 46 | 19 19 | 1 30 | 12 57 | 0 26 | 6 53 | 1 54 | 26 4 | 13 7 | 15 4 | 14 52 | 0 57 | 18 16 | 4 22 |
| S 13 | 19 25 | 17 44 | 1 15 | 9 10 | 3 17 | 25 44 | 2 28 | 15 34 | 0 10 | 21 28 | 0 46 | 19 21 | 1 30 | 12 57 | 0 26 | 6 52 | 1 54 | 26 4 | 13 7 | 15 4 | 14 51 | 0 55 | 18 16 | 4 23 |
| S 14 | 19 38 | 19 18 | 2 22 | 9 38 | 3 12 | 25 39 | 2 28 | 15 48 | 0 9 | 21 27 | 0 46 | 19 23 | 1 30 | 12 56 | 0 26 | 6 52 | 1 54 | 26 3 | 13 6 | 15 3 | 14 50 | 0 53 | 18 15 | 4 23 |
| M15 | 19 51 | 19 51 | 3 22 | 10 7 | 3 7 | 25 34 | 2 28 | 16 1 | 0 8 | 21 25 | 0 46 | 19 24 | 1 30 | 12 55 | 0 26 | 6 51 | 1 54 | 26 3 | 13 6 | 15 3 | 14 49 | 0 51 | 18 14 | 4 23 |
| T 16 | 20 4 | 19 19 | 4 13 | 10 38 | 3 2 | 25 28 | 2 28 | 16 14 | 0 8 | 21 23 | 0 46 | 19 26 | 1 30 | 12 55 | 0 26 | 6 51 | 1 54 | 26 2 | 13 6 | 15 2 | 14 48 | 0 49 | 18 13 | 4 23 |
| W17 | 20 16 | 17 39 | 4 50 | 11 10 | 2 55 | 25 21 | 2 28 | 16 28 | 0 7 | 21 21 | 0 46 | 19 27 | 1 29 | 12 54 | 0 26 | 6 51 | 1 54 | 26 2 | 13 5 | 15 1 | 14 47 | 0 47 | 18 13 | 4 24 |
| T 18 | 20 28 | 14 58 | 5 11 | 11 43 | 2 48 | 25 14 | 2 27 | 16 40 | 0 6 | 21 19 | 0 46 | 19 29 | 1 29 | 12 53 | 0 26 | 6 50 | 1 54 | 26 1 | 13 5 | 15 1 | 14 46 | 0 44 | 18 12 | 4 24 |
| F 19 | 20 40 | 11 25 | 5 14 | 12 17 | 2 41 | 25 6 | 2 27 | 16 53 | 0 6 | 21 17 | 0 46 | 19 30 | 1 29 | 12 52 | 0 26 | 6 50 | 1 54 | 26 1 | 13 5 | 15 0 | 14 45 | 0 42 | 18 11 | 4 24 |
| S 20 | 20 51 | 7 11 | 4 58 | 12 51 | 2 33 | 24 57 | 2 26 | 17 6 | 0 5 | 21 15 | 0 46 | 19 32 | 1 29 | 12 52 | 0 26 | 6 49 | 1 54 | 26 0 | 13 4 | 15 0 | 14 44 | 0 40 | 18 11 | 4 24 |
| S 21 | 21 2 | 2 31 | 4 24 | 13 27 | 2 24 | 24 48 | 2 26 | 17 18 | 0 5 | 21 13 | 0 46 | 19 34 | 1 29 | 12 51 | 0 26 | 6 49 | 1 54 | 26 0 | 13 4 | 15 0 | 14 43 | 0 38 | 18 10 | 4 25 |
| M22 | 21 13 | 2n18 | 3 34 | 14 3 | 2 16 | 24 39 | 2 25 | 17 31 | 0 4 | 21 11 | 0 46 | 19 35 | 1 29 | 12 50 | 0 26 | 6 49 | 1 54 | 25 59 | 13 4 | 15 0 | 14 42 | 0 36 | 18 9 | 4 25 |
| T 23 | 21 23 | 7 2 | 2 30 | 14 40 | 2 6 | 24 28 | 2 24 | 17 43 | 0 3 | 21 9 | 0 46 | 19 37 | 1 29 | 12 50 | 0 26 | 6 48 | 1 54 | 25 59 | 13 3 | 15 1 | 14 41 | 0 34 | 18 9 | 4 25 |
| W24 | 21 33 | 11 21 | 1 17 | 15 17 | 1 57 | 24 17 | 2 23 | 17 55 | 0 3 | 21 6 | 0 46 | 19 38 | 1 29 | 12 49 | 0 26 | 6 48 | 1 54 | 25 58 | 13 3 | 15 1 | 14 40 | 0 32 | 18 8 | 4 25 |
| T 25 | 21 43 | 15 1 | 0 0 | 15 55 | 1 46 | 24 6 | 2 21 | 18 7 | 0 2 | 21 4 | 0 46 | 19 40 | 1 29 | 12 48 | 0 26 | 6 48 | 1 54 | 25 58 | 13 3 | 15 1 | 14 39 | 0 30 | 18 7 | 4 26 |
| F 26 | 21 52 | 17 45 | 1s16 | 16 33 | 1 36 | 23 54 | 2 20 | 18 18 | 0 1 | 21 2 | 0 46 | 19 41 | 1 29 | 12 48 | 0 26 | 6 47 | 1 54 | 25 57 | 13 2 | 15 1 | 14 38 | 0 28 | 18 6 | 4 26 |
| S 27 | 22 1 | 19 23 | 2 27 | 17 11 | 1 25 | 23 42 | 2 18 | 18 30 | 0 1 | 21 0 | 0 46 | 19 43 | 1 29 | 12 47 | 0 26 | 6 47 | 1 54 | 25 57 | 13 2 | 15 0 | 14 37 | 0 26 | 18 6 | 4 26 |
| S 28 | 22 9 | 19 52 | 3 28 | 17 48 | 1 14 | 23 28 | 2 17 | 18 41 | 0 0 | 20 58 | 0 46 | 19 44 | 1 29 | 12 46 | 0 26 | 6 47 | 1 54 | 25 56 | 13 2 | 14 59 | 14 36 | 0 23 | 18 5 | 4 26 |
| M29 | 22 17 | 19 12 | 4 16 | 18 26 | 1 3 | 23 15 | 2 15 | 18 52 | 0n 1 | 20 55 | 0 46 | 19 46 | 1 29 | 12 46 | 0 26 | 6 46 | 1 53 | 25 55 | 13 1 | 14 58 | 14 35 | 0 21 | 18 4 | 4 26 |
| T 30 | 22 25 | 17 32 | 4 49 | 19 3 | 0 52 | 23 1 | 2 13 | 19 3 | 0 1 | 20 53 | 0 46 | 19 47 | 1 29 | 12 45 | 0 26 | 6 46 | 1 53 | 25 55 | 13 1 | 14 56 | 14 34 | 0 19 | 18 4 | 4 26 |
| W31 | 22n32 | 15n 3 | 5s 8 | 19n39 | 0s41 | 22n46 | 2n11 | 19n14 | 0n 2 | 20n51 | 0n46 | 19n48 | 1s29 | 12s45 | 0n26 | 6s46 | 1n53 | 25n54 | 13n 1 | 14s54 | 14s33 | 0n17 | 18s 3 | 4n27 |

Julian Day Number = 2075835.5, Delta T = 26m51s
Ecliptic obliquity = 23°34'14, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'14, Lahiri = 9°31'14 Julian Calendar 1 May 971 == Greg. Calendar 6 May 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## JUNE 971 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 55 58 | 14♊22'17 | 13♌19 | 2♊16 | 29♋15 | 26♉ 2 | 0♌56 | 5♊11 | 4°R38 | 21°R43 | 23♌45 | 9°R58 | 8♏51 | 20♍29 | 12°R45 | T 1 |
| F 2 | 16 59 55 | 15°19'29 | 25°28 | 4°17 | 0♌16 | 26°44 | 1° 6 | 5°19 | 4♏37 | 21♎42 | 23°46 | 9♏55 | 8°48 | 20°36 | 12♐41 | F 2 |
| S 3 | 17 3 51 | 16°16'40 | 7♍27 | 6°21 | 1°18 | 27°26 | 1°17 | 5°27 | 4°35 | 21°42 | 23°47 | 9°53 | 8°45 | 20°43 | 12°37 | S 3 |
| S 4 | 17 7 48 | 17°13'51 | 19°20 | 8°26 | 2°19 | 28° 7 | 1°28 | 5°35 | 4°33 | 21°41 | 23°48 | 9°D53 | 8°42 | 20°49 | 12°33 | S 4 |
| M 5 | 17 11 44 | 18°11'02 | 1♎11 | 10°33 | 3°20 | 28°49 | 1°39 | 5°42 | 4°32 | 21°40 | 23°49 | 9°53 | 8°39 | 20°56 | 12°29 | M 5 |
| T 6 | 17 15 41 | 19° 8'11 | 13° 6 | 12°41 | 4°20 | 29°30 | 1°51 | 5°50 | 4°30 | 21°39 | 23°50 | 9°55 | 8°35 | 21° 3 | 12°25 | T 6 |
| W 7 | 17 19 37 | 20° 5'21 | 25° 9 | 14°50 | 5°20 | 0♊12 | 2° 2 | 5°58 | 4°29 | 21°39 | 23°51 | 9°56 | 8°32 | 21° 9 | 12°21 | W 7 |
| T 8 | 17 23 34 | 21° 2'30 | 7♏25 | 17° 0 | 6°20 | 0°53 | 2°13 | 6° 5 | 4°27 | 21°38 | 23°52 | 9°R57 | 8°29 | 21°16 | 12°17 | T 8 |
| F 9 | 17 27 31 | 21°59'38 | 19°58 | 19°10 | 7°20 | 1°34 | 2°24 | 6°13 | 4°26 | 21°37 | 23°53 | 9°57 | 8°26 | 21°23 | 12°13 | F 9 |
| S 10 | 17 31 27 | 22°56'47 | 2♐50 | 21°21 | 8°19 | 2°16 | 2°36 | 6°21 | 4°24 | 21°37 | 23°55 | 9°55 | 8°23 | 21°29 | 12° 9 | S 10 |
| S 11 | 17 35 24 | 23°53'55 | 16° 1 | 23°32 | 9°17 | 2°57 | 2°47 | 6°28 | 4°23 | 21°36 | 23°56 | 9°50 | 8°20 | 21°36 | 12° 6 | S 11 |
| M12 | 17 39 20 | 24°51'04 | 29°32 | 25°42 | 10°15 | 3°38 | 2°59 | 6°36 | 4°22 | 21°36 | 23°57 | 9°45 | 8°16 | 21°43 | 12° 2 | M12 |
| T 13 | 17 43 17 | 25°48'12 | 13♑21 | 27°52 | 11°13 | 4°19 | 3°10 | 6°43 | 4°20 | 21°35 | 23°58 | 9°38 | 8°13 | 21°50 | 11°58 | T 13 |
| W14 | 17 47 13 | 26°45'20 | 27°23 | 0♋ 1 | 12°11 | 5° 0 | 3°22 | 6°51 | 4°19 | 21°35 | 23°59 | 9°30 | 8°10 | 21°56 | 11°54 | W14 |
| T 15 | 17 51 10 | 27°42'29 | 11♒34 | 2° 9 | 13° 8 | 5°41 | 3°34 | 6°59 | 4°18 | 21°34 | 24° 1 | 9°23 | 8° 7 | 22° 3 | 11°50 | T 15 |
| F 16 | 17 55 7 | 28°39'38 | 25°51 | 4°16 | 14° 4 | 6°22 | 3°45 | 7° 6 | 4°17 | 21°34 | 24° 2 | 9°18 | 8° 4 | 22°10 | 11°46 | F 16 |
| S 17 | 17 59 3 | 29°36'47 | 10♓ 8 | 6°22 | 15° 0 | 7° 3 | 3°57 | 7°13 | 4°16 | 21°33 | 24° 3 | 9°14 | 8° 0 | 22°16 | 11°43 | S 17 |
| S 18 | 18 3 0 | 0♋33'56 | 24°22 | 8°26 | 15°56 | 7°44 | 4° 9 | 7°21 | 4°15 | 21°33 | 24° 5 | 9°D13 | 7°57 | 22°23 | 11°39 | S 18 |
| M19 | 18 6 56 | 1°31'06 | 8♈31 | 10°28 | 16°51 | 8°25 | 4°21 | 7°28 | 4°14 | 21°33 | 24° 6 | 9°13 | 7°54 | 22°30 | 11°35 | M19 |
| T 20 | 18 10 53 | 2°28'17 | 22°34 | 12°29 | 17°45 | 9° 6 | 4°33 | 7°36 | 4°13 | 21°33 | 24° 8 | 9°14 | 7°51 | 22°36 | 11°32 | T 20 |
| W21 | 18 14 49 | 3°25'28 | 6♉30 | 14°28 | 18°39 | 9°46 | 4°45 | 7°43 | 4°12 | 21°32 | 24° 9 | 9°R14 | 7°48 | 22°43 | 11°28 | W21 |
| T 22 | 18 18 46 | 4°22'40 | 20°17 | 16°25 | 19°33 | 10°27 | 4°57 | 7°50 | 4°11 | 21°32 | 24°10 | 9°14 | 7°45 | 22°50 | 11°25 | T 22 |
| F 23 | 18 22 42 | 5°19'52 | 3♊56 | 18°21 | 20°25 | 11° 8 | 5° 9 | 7°58 | 4°10 | 21°32 | 24°12 | 9°11 | 7°41 | 22°56 | 11°21 | F 23 |
| S 24 | 18 26 39 | 6°17'05 | 17°24 | 20°15 | 21°18 | 11°48 | 5°22 | 8° 5 | 4°10 | 21°32 | 24°13 | 9° 6 | 7°38 | 23° 3 | 11°18 | S 24 |
| S 25 | 18 30 36 | 7°14'18 | 0♋40 | 22° 7 | 22° 9 | 12°29 | 5°34 | 8°12 | 4° 9 | 21°32 | 24°15 | 8°59 | 7°35 | 23°10 | 11°14 | S 25 |
| M26 | 18 34 32 | 8°11'32 | 13°42 | 23°57 | 23° 0 | 13° 9 | 5°46 | 8°19 | 4° 8 | 21°31 | 24°16 | 8°50 | 7°32 | 23°16 | 11°11 | M26 |
| T 27 | 18 38 29 | 9° 8'46 | 26°30 | 25°45 | 23°51 | 13°50 | 5°58 | 8°26 | 4° 8 | 21°31 | 24°18 | 8°39 | 7°29 | 23°23 | 11° 8 | T 27 |
| W28 | 18 42 25 | 10° 6'01 | 9♌ 3 | 27°31 | 24°40 | 14°30 | 6°11 | 8°34 | 4° 7 | 21°31 | 24°20 | 8°29 | 7°26 | 23°30 | 11° 5 | W28 |
| T 29 | 18 46 22 | 11° 3'16 | 21°22 | 29°16 | 25°29 | 15°10 | 6°23 | 8°41 | 4° 7 | 21°D31 | 24°21 | 8°19 | 7°22 | 23°37 | 11° 1 | T 29 |
| F 30 | 18 50 18 | 12♋ 0'31 | 3♍28 | 0♌59 | 26♌18 | 15♊51 | 6♌36 | 8♊48 | 4♏ 6 | 21♎31 | 24♌23 | 8♏11 | 7♏19 | 23♍43 | 10♐58 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n39 | 11n56 | 5s11 | 20n15 | 0s29 | 22n31 | 2n 9 | 19n25 | 0n 3 | 20n48 | 0n46 | 19n50 | 1s29 | 12s44 | 0n26 | 6s46 | 1n53 | 25n54 | 13n 0 | 14s53 | 14s32 | 0n15 | 18s 2 | 4n27 |
| F 2 | 22 45 | 8 23 | 5 0 | 20 49 | 0 18 | 22 16 | 2 6 | 19 35 | 0 3 | 20 46 | 0 46 | 19 51 | 1 28 | 12 44 | 0 26 | 6 45 | 1 53 | 25 53 | 13 0 | 14 52 | 14 31 | 0 13 | 18 2 | 4 27 |
| S 3 | 22 52 | 4 32 | 4 37 | 21 22 | 0 7 | 22 0 | 2 4 | 19 45 | 0 4 | 20 43 | 0 46 | 19 53 | 1 28 | 12 43 | 0 26 | 6 45 | 1 53 | 25 52 | 13 0 | 14 51 | 14 30 | 0 11 | 18 1 | 4 27 |
| S 4 | 22 57 | 0 33 | 4 1 | 21 54 | 0n 4 | 21 43 | 2 1 | 19 55 | 0 5 | 20 41 | 0 46 | 19 54 | 1 28 | 12 42 | 0 26 | 6 45 | 1 53 | 25 52 | 13 0 | 14 51 | 14 29 | 0 9 | 18 1 | 4 27 |
| M 5 | 23 3 | 3s27 | 3 15 | 22 24 | 0 15 | 21 26 | 1 58 | 20 5 | 0 5 | 20 39 | 0 46 | 19 55 | 1 28 | 12 42 | 0 26 | 6 45 | 1 53 | 25 51 | 12 59 | 14 52 | 14 28 | 0 7 | 18 0 | 4 27 |
| T 6 | 23 7 | 7 22 | 2 21 | 22 52 | 0 26 | 21 9 | 1 55 | 20 15 | 0 6 | 20 36 | 0 46 | 19 57 | 1 28 | 12 41 | 0 26 | 6 44 | 1 53 | 25 50 | 12 59 | 14 52 | 14 27 | 0 5 | 17 59 | 4 27 |
| W 7 | 23 12 | 11 1 | 1 20 | 23 18 | 0 36 | 20 51 | 1 52 | 20 24 | 0 6 | 20 33 | 0 46 | 19 58 | 1 28 | 12 41 | 0 25 | 6 44 | 1 53 | 25 50 | 12 59 | 14 53 | 14 26 | 0 3 | 17 59 | 4 27 |
| T 8 | 23 16 | 14 17 | 0 14 | 23 41 | 0 45 | 20 33 | 1 49 | 20 34 | 0 7 | 20 31 | 0 46 | 20 0 | 1 28 | 12 41 | 0 25 | 6 44 | 1 53 | 25 49 | 12 58 | 14 53 | 14 25 | 0 0 | 17 58 | 4 28 |
| F 9 | 23 20 | 16 58 | 0n54 | 24 2 | 0 54 | 20 15 | 1 46 | 20 43 | 0 8 | 20 28 | 0 46 | 20 1 | 1 28 | 12 40 | 0 25 | 6 44 | 1 53 | 25 48 | 12 58 | 14 53 | 14 24 | 0s 2 | 17 58 | 4 28 |
| S 10 | 23 23 | 18 52 | 2 1 | 24 20 | 1 3 | 19 56 | 1 42 | 20 52 | 0 8 | 20 26 | 0 46 | 20 2 | 1 28 | 12 40 | 0 25 | 6 44 | 1 53 | 25 48 | 12 58 | 14 52 | 14 22 | 0 4 | 17 57 | 4 28 |
| S 11 | 23 26 | 19 48 | 3 3 | 24 36 | 1 11 | 19 36 | 1 38 | 21 1 | 0 9 | 20 23 | 0 46 | 20 4 | 1 28 | 12 39 | 0 25 | 6 43 | 1 53 | 25 47 | 12 58 | 14 51 | 14 21 | 0 6 | 17 56 | 4 28 |
| M12 | 23 28 | 19 39 | 3 56 | 24 48 | 1 18 | 19 17 | 1 34 | 21 9 | 0 10 | 20 20 | 0 46 | 20 5 | 1 28 | 12 39 | 0 25 | 6 43 | 1 53 | 25 46 | 12 57 | 14 49 | 14 20 | 0 8 | 17 56 | 4 28 |
| T 13 | 23 30 | 18 19 | 4 36 | 24 58 | 1 25 | 18 57 | 1 30 | 21 18 | 0 10 | 20 18 | 0 46 | 20 6 | 1 28 | 12 38 | 0 25 | 6 43 | 1 53 | 25 46 | 12 57 | 14 47 | 14 19 | 0 10 | 17 55 | 4 28 |
| W14 | 23 32 | 15 53 | 5 1 | 25 5 | 1 31 | 18 37 | 1 26 | 21 26 | 0 11 | 20 15 | 0 46 | 20 7 | 1 28 | 12 38 | 0 25 | 6 43 | 1 53 | 25 45 | 12 57 | 14 44 | 14 18 | 0 12 | 17 55 | 4 28 |
| T 15 | 23 33 | 12 29 | 5 7 | 25 9 | 1 36 | 18 16 | 1 22 | 21 34 | 0 12 | 20 12 | 0 46 | 20 9 | 1 28 | 12 38 | 0 25 | 6 43 | 1 53 | 25 44 | 12 57 | 14 42 | 14 17 | 0 14 | 17 54 | 4 28 |
| F 16 | 23 34 | 8 21 | 4 55 | 25 11 | 1 41 | 17 56 | 1 17 | 21 42 | 0 12 | 20 9 | 0 46 | 20 10 | 1 28 | 12 37 | 0 25 | 6 43 | 1 53 | 25 44 | 12 56 | 14 40 | 14 16 | 0 16 | 17 54 | 4 28 |
| S 17 | 23 34 | 3 44 | 4 24 | 25 9 | 1 44 | 17 35 | 1 12 | 21 49 | 0 13 | 20 7 | 0 46 | 20 11 | 1 28 | 12 37 | 0 25 | 6 43 | 1 52 | 25 43 | 12 56 | 14 39 | 14 15 | 0 18 | 17 53 | 4 28 |
| S 18 | 23 34 | 1n 4 | 3 37 | 25 5 | 1 47 | 17 13 | 1 7 | 21 57 | 0 14 | 20 4 | 0 46 | 20 13 | 1 28 | 12 37 | 0 25 | 6 43 | 1 52 | 25 42 | 12 56 | 14 39 | 14 14 | 0 20 | 17 53 | 4 28 |
| M19 | 23 34 | 5 48 | 2 37 | 24 59 | 1 50 | 16 52 | 1 2 | 22 4 | 0 14 | 20 1 | 0 46 | 20 14 | 1 28 | 12 36 | 0 25 | 6 43 | 1 52 | 25 42 | 12 56 | 14 39 | 14 13 | 0 22 | 17 52 | 4 28 |
| T 20 | 23 33 | 10 12 | 1 28 | 24 50 | 1 51 | 16 30 | 0 57 | 22 11 | 0 15 | 19 58 | 0 46 | 20 15 | 1 28 | 12 36 | 0 25 | 6 42 | 1 52 | 25 41 | 12 55 | 14 39 | 14 12 | 0 25 | 17 52 | 4 28 |
| W21 | 23 32 | 13 59 | 0 15 | 24 38 | 1 52 | 16 8 | 0 52 | 22 18 | 0 16 | 19 55 | 0 46 | 20 16 | 1 28 | 12 36 | 0 25 | 6 42 | 1 52 | 25 40 | 12 55 | 14 39 | 14 11 | 0 27 | 17 51 | 4 28 |
| T 22 | 23 30 | 16 58 | 0s59 | 24 25 | 1 52 | 15 46 | 0 46 | 22 24 | 0 16 | 19 52 | 0 46 | 20 17 | 1 28 | 12 35 | 0 25 | 6 42 | 1 52 | 25 39 | 12 55 | 14 39 | 14 10 | 0 29 | 17 51 | 4 28 |
| F 23 | 23 28 | 18 57 | 2 8 | 24 9 | 1 52 | 15 24 | 0 40 | 22 31 | 0 17 | 19 49 | 0 46 | 20 19 | 1 28 | 12 35 | 0 25 | 6 42 | 1 52 | 25 39 | 12 55 | 14 38 | 14 9 | 0 31 | 17 50 | 4 28 |
| S 24 | 23 25 | 19 49 | 3 10 | 23 52 | 1 51 | 15 1 | 0 34 | 22 37 | 0 17 | 19 46 | 0 46 | 20 20 | 1 28 | 12 35 | 0 25 | 6 42 | 1 52 | 25 38 | 12 54 | 14 37 | 14 8 | 0 33 | 17 50 | 4 28 |
| S 25 | 23 22 | 19 35 | 3 59 | 23 32 | 1 49 | 14 38 | 0 28 | 22 43 | 0 18 | 19 43 | 0 46 | 20 21 | 1 28 | 12 35 | 0 25 | 6 42 | 1 52 | 25 37 | 12 54 | 14 34 | 14 7 | 0 35 | 17 50 | 4 28 |
| M26 | 23 19 | 18 18 | 4 36 | 23 11 | 1 47 | 14 16 | 0 21 | 22 49 | 0 19 | 19 40 | 0 46 | 20 22 | 1 28 | 12 35 | 0 25 | 6 42 | 1 52 | 25 36 | 12 54 | 14 31 | 14 6 | 0 37 | 17 49 | 4 28 |
| T 27 | 23 15 | 16 6 | 4 57 | 22 49 | 1 44 | 13 53 | 0 15 | 22 54 | 0 19 | 19 37 | 0 46 | 20 23 | 1 28 | 12 34 | 0 25 | 6 42 | 1 52 | 25 36 | 12 54 | 14 28 | 14 5 | 0 39 | 17 49 | 4 28 |
| W28 | 23 11 | 13 12 | 5 4 | 22 25 | 1 40 | 13 30 | 0 8 | 23 0 | 0 20 | 19 34 | 0 46 | 20 24 | 1 28 | 12 34 | 0 25 | 6 42 | 1 52 | 25 35 | 12 54 | 14 24 | 14 4 | 0 41 | 17 48 | 4 28 |
| T 29 | 23 6 | 9 47 | 4 56 | 21 59 | 1 36 | 13 7 | 0 1 | 23 5 | 0 21 | 19 31 | 0 46 | 20 25 | 1 28 | 12 34 | 0 25 | 6 43 | 1 52 | 25 34 | 12 53 | 14 21 | 14 3 | 0 43 | 17 48 | 4 28 |
| F 30 | 23n 1 | 6n 1 | 4s35 | 21n33 | 1n32 | 12n44 | 0s 6 | 23n10 | 0n21 | 19n28 | 0n46 | 20n26 | 1s28 | 12s34 | 0n25 | 6s43 | 1n52 | 25n33 | 12n53 | 14s19 | 14s 2 | 0s45 | 17s48 | 4n28 |

Julian Day Number = 2075866.5, Delta T = 26m51s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'18, Lahiri = 9°31'18 Julian Calendar 1 June 971 == Greg. Calendar 6 June 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## JULY 971 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 54 15 | 12♋57'46 | 15♍25 | 2♌39 | 27♌ 5 | 16♊31 | 6♌48 | 8♊55 | 4°R 6 | 21♎31 | 24♌24 | 8°R 5 | 7♏16 | 23♍50 | 10°R55 | S 1 |
| S 2 | 18 58 11 | 13°55'02 | 27°16 | 4°18 | 27°52 | 17°11 | 7° 1 | 9° 2 | 4♏ 5 | 21°31 | 24°26 | 8♏ 2 | 7°13 | 23°57 | 10♐52 | S 2 |
| M 3 | 19 2 8 | 14°52'18 | 9♎ 6 | 5°56 | 28°38 | 17°51 | 7°13 | 9° 8 | 4° 5 | 21°32 | 24°28 | 8° 0 | 7°10 | 24° 3 | 10°49 | M 3 |
| T 4 | 19 6 5 | 15°49'35 | 21° 0 | 7°31 | 29°23 | 18°31 | 7°26 | 9°15 | 4° 5 | 21°32 | 24°29 | 8°D 0 | 7° 6 | 24°10 | 10°46 | T 4 |
| W 5 | 19 10 1 | 16°46'52 | 3♏ 3 | 9° 4 | 0♍ 7 | 19°11 | 7°38 | 9°22 | 4° 5 | 21°32 | 24°31 | 8°R 0 | 7° 3 | 24°17 | 10°44 | W 5 |
| T 6 | 19 13 58 | 17°44'10 | 15°20 | 10°36 | 0°50 | 19°51 | 7°51 | 9°29 | 4° 4 | 21°32 | 24°33 | 8° 0 | 7° 0 | 24°23 | 10°41 | T 6 |
| F 7 | 19 17 54 | 18°41'28 | 27°57 | 12° 6 | 1°32 | 20°31 | 8° 4 | 9°36 | 4° 4 | 21°32 | 24°35 | 7°59 | 6°57 | 24°30 | 10°38 | F 7 |
| S 8 | 19 21 51 | 19°38'47 | 10♐56 | 13°34 | 2°13 | 21°11 | 8°16 | 9°42 | 4°D 4 | 21°33 | 24°36 | 7°55 | 6°54 | 24°37 | 10°36 | S 8 |
| S 9 | 19 25 47 | 20°36'06 | 24°21 | 15° 0 | 2°53 | 21°51 | 8°29 | 9°49 | 4° 4 | 21°33 | 24°38 | 7°49 | 6°51 | 24°43 | 10°33 | S 9 |
| M10 | 19 29 44 | 21°33'27 | 8♑10 | 16°24 | 3°32 | 22°30 | 8°42 | 9°55 | 4° 4 | 21°33 | 24°40 | 7°40 | 6°47 | 24°50 | 10°31 | M10 |
| T 11 | 19 33 40 | 22°30'48 | 22°21 | 17°46 | 4°10 | 23°10 | 8°55 | 10° 2 | 4° 4 | 21°34 | 24°42 | 7°30 | 6°44 | 24°57 | 10°28 | T 11 |
| W12 | 19 37 37 | 23°28'09 | 6♒49 | 19° 6 | 4°47 | 23°50 | 9° 8 | 10° 8 | 4° 5 | 21°34 | 24°43 | 7°19 | 6°41 | 25° 3 | 10°26 | W12 |
| T 13 | 19 41 34 | 24°25'32 | 21°27 | 20°24 | 5°23 | 24°29 | 9°20 | 10°15 | 4° 5 | 21°35 | 24°45 | 7° 8 | 6°38 | 25°10 | 10°24 | T 13 |
| F 14 | 19 45 30 | 25°22'56 | 6♓ 8 | 21°40 | 5°57 | 25° 9 | 9°33 | 10°21 | 4° 5 | 21°35 | 24°47 | 7° 0 | 6°35 | 25°17 | 10°21 | F 14 |
| S 15 | 19 49 27 | 26°20'21 | 20°45 | 22°54 | 6°30 | 25°48 | 9°46 | 10°27 | 4° 5 | 21°36 | 24°49 | 6°54 | 6°32 | 25°23 | 10°19 | S 15 |
| S 16 | 19 53 23 | 27°17'48 | 5♈11 | 24° 5 | 7° 1 | 26°28 | 9°59 | 10°34 | 4° 6 | 21°36 | 24°51 | 6°50 | 6°28 | 25°30 | 10°17 | S 16 |
| M17 | 19 57 20 | 28°15'15 | 19°25 | 25°15 | 7°31 | 27° 7 | 10°12 | 10°40 | 4° 6 | 21°37 | 24°53 | 6°49 | 6°25 | 25°37 | 10°15 | M17 |
| T 18 | 20 1 16 | 29°12'44 | 3♉24 | 26°22 | 8° 0 | 27°47 | 10°25 | 10°46 | 4° 7 | 21°37 | 24°55 | 6°49 | 6°22 | 25°43 | 10°13 | T 18 |
| W19 | 20 5 13 | 0♌10'15 | 17° 8 | 27°26 | 8°27 | 28°26 | 10°38 | 10°52 | 4° 7 | 21°38 | 24°57 | 6°49 | 6°19 | 25°50 | 10°11 | W19 |
| T 20 | 20 9 9 | 1° 7'47 | 0♊39 | 28°28 | 8°53 | 29° 5 | 10°51 | 10°58 | 4° 8 | 21°39 | 24°58 | 6°47 | 6°16 | 25°57 | 10°10 | T 20 |
| F 21 | 20 13 6 | 2° 5'21 | 13°57 | 29°28 | 9°17 | 29°44 | 11° 4 | 11° 4 | 4° 8 | 21°39 | 25° 0 | 6°43 | 6°12 | 26° 3 | 10° 8 | F 21 |
| S 22 | 20 17 3 | 3° 2'56 | 27° 3 | 0♍24 | 9°39 | 0♋23 | 11°17 | 11°10 | 4° 9 | 21°40 | 25° 2 | 6°37 | 6° 9 | 26°10 | 10° 6 | S 22 |
| S 23 | 20 20 59 | 4° 0'32 | 9♋58 | 1°18 | 10° 0 | 1° 3 | 11°30 | 11°15 | 4°10 | 21°41 | 25° 4 | 6°27 | 6° 6 | 26°17 | 10° 5 | S 23 |
| M24 | 20 24 56 | 4°58'10 | 22°42 | 2° 8 | 10°19 | 1°42 | 11°43 | 11°21 | 4°11 | 21°42 | 25° 6 | 6°16 | 6° 3 | 26°24 | 10° 4 | M24 |
| T 25 | 20 28 52 | 5°55'49 | 5♌14 | 2°56 | 10°36 | 2°21 | 11°56 | 11°27 | 4°11 | 21°42 | 25° 8 | 6° 2 | 6° 0 | 26°30 | 10° 2 | T 25 |
| W26 | 20 32 49 | 6°53'29 | 17°35 | 3°40 | 10°51 | 3° 0 | 12° 9 | 11°32 | 4°12 | 21°43 | 25°10 | 5°49 | 5°57 | 26°37 | 10° 1 | W26 |
| T 27 | 20 36 45 | 7°51'11 | 29°45 | 4°20 | 11° 4 | 3°38 | 12°22 | 11°38 | 4°13 | 21°44 | 25°12 | 5°36 | 5°53 | 26°44 | 10° 0 | T 27 |
| F 28 | 20 40 42 | 8°48'53 | 11♍45 | 4°56 | 11°15 | 4°17 | 12°35 | 11°43 | 4°14 | 21°45 | 25°14 | 5°25 | 5°50 | 26°50 | 9°59 | F 28 |
| S 29 | 20 44 38 | 9°46'37 | 23°38 | 5°29 | 11°24 | 4°56 | 12°48 | 11°49 | 4°15 | 21°46 | 25°16 | 5°17 | 5°47 | 26°57 | 9°58 | S 29 |
| S 30 | 20 48 35 | 10°44'23 | 5♎26 | 5°57 | 11°31 | 5°35 | 13° 2 | 11°54 | 4°16 | 21°47 | 25°18 | 5°12 | 5°44 | 27° 4 | 9°57 | S 30 |
| M31 | 20 52 32 | 11♌42'09 | 17♎14 | 6♍21 | 11♍35 | 6♋14 | 13♌15 | 11♊59 | 4♏18 | 21♎48 | 25♌20 | 5♏ 9 | 5♏41 | 27♍10 | 9♐56 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n56 | 2n 3 | 4s 2 | 21n 5 | 1n27 | 12n20 | 0s13 | 23n15 | 0n22 | 19n25 | 0n46 | 20n27 | 1s28 | 12s34 | 0n25 | 6s43 | 1n52 | 25n33 | 12n53 | 14s17 | 14s 1 | 0s47 | 17s47 | 4n28 |
| S 2 | 22 50 | 1s57 | 3 19 | 20 36 | 1 22 | 11 57 | 0 21 | 23 20 | 0 23 | 19 22 | 0 46 | 20 28 | 1 28 | 12 34 | 0 25 | 6 43 | 1 52 | 25 32 | 12 53 | 14 16 | 14 0 | 0 49 | 17 47 | 4 27 |
| M 3 | 22 44 | 5 53 | 2 28 | 20 7 | 1 16 | 11 34 | 0 29 | 23 24 | 0 23 | 19 19 | 0 46 | 20 29 | 1 28 | 12 34 | 0 25 | 6 43 | 1 52 | 25 31 | 12 53 | 14 15 | 13 59 | 0 51 | 17 47 | 4 27 |
| T 4 | 22 38 | 9 37 | 1 29 | 19 37 | 1 9 | 11 11 | 0 36 | 23 28 | 0 24 | 19 15 | 0 46 | 20 30 | 1 28 | 12 34 | 0 25 | 6 43 | 1 51 | 25 30 | 12 52 | 14 15 | 13 58 | 0 53 | 17 46 | 4 27 |
| W 5 | 22 31 | 13 1 | 0 26 | 19 6 | 1 3 | 10 48 | 0 45 | 23 32 | 0 25 | 19 12 | 0 46 | 20 32 | 1 28 | 12 34 | 0 25 | 6 43 | 1 51 | 25 30 | 12 52 | 14 15 | 13 57 | 0 56 | 17 46 | 4 27 |
| T 6 | 22 23 | 15 54 | 0n39 | 18 34 | 0 56 | 10 25 | 0 53 | 23 36 | 0 25 | 19 9 | 0 46 | 20 32 | 1 28 | 12 34 | 0 25 | 6 43 | 1 51 | 25 29 | 12 52 | 14 15 | 13 56 | 0 58 | 17 46 | 4 27 |
| F 7 | 22 16 | 18 7 | 1 44 | 18 2 | 0 48 | 10 2 | 1 1 | 23 40 | 0 26 | 19 6 | 0 46 | 20 33 | 1 28 | 12 34 | 0 25 | 6 43 | 1 51 | 25 28 | 12 52 | 14 15 | 13 54 | 1 0 | 17 46 | 4 27 |
| S 8 | 22 7 | 19 29 | 2 45 | 17 29 | 0 40 | 9 39 | 1 10 | 23 43 | 0 27 | 19 2 | 0 46 | 20 34 | 1 28 | 12 34 | 0 25 | 6 44 | 1 51 | 25 27 | 12 52 | 14 13 | 13 53 | 1 2 | 17 45 | 4 27 |
| S 9 | 21 59 | 19 47 | 3 40 | 16 56 | 0 32 | 9 16 | 1 19 | 23 46 | 0 27 | 18 59 | 0 46 | 20 35 | 1 28 | 12 34 | 0 25 | 6 44 | 1 51 | 25 27 | 12 52 | 14 11 | 13 52 | 1 4 | 17 45 | 4 27 |
| M10 | 21 50 | 18 57 | 4 23 | 16 23 | 0 24 | 8 54 | 1 28 | 23 49 | 0 28 | 18 56 | 0 46 | 20 36 | 1 28 | 12 34 | 0 25 | 6 44 | 1 51 | 25 26 | 12 51 | 14 9 | 13 51 | 1 6 | 17 45 | 4 27 |
| T 11 | 21 41 | 16 55 | 4 51 | 15 50 | 0 15 | 8 31 | 1 38 | 23 52 | 0 29 | 18 52 | 0 46 | 20 37 | 1 28 | 12 34 | 0 25 | 6 44 | 1 51 | 25 25 | 12 51 | 14 5 | 13 50 | 1 8 | 17 45 | 4 26 |
| W12 | 21 31 | 13 48 | 5 1 | 15 16 | 0 6 | 8 9 | 1 47 | 23 55 | 0 29 | 18 49 | 0 46 | 20 38 | 1 28 | 12 34 | 0 24 | 6 44 | 1 51 | 25 24 | 12 51 | 14 2 | 13 49 | 1 10 | 17 45 | 4 26 |
| T 13 | 21 21 | 9 49 | 4 52 | 14 42 | 0s 4 | 7 47 | 1 57 | 23 57 | 0 30 | 18 46 | 0 46 | 20 39 | 1 28 | 12 34 | 0 24 | 6 45 | 1 51 | 25 24 | 12 51 | 13 58 | 13 48 | 1 12 | 17 44 | 4 26 |
| F 14 | 21 11 | 5 13 | 4 24 | 14 9 | 0 13 | 7 25 | 2 7 | 23 59 | 0 31 | 18 42 | 0 46 | 20 40 | 1 28 | 12 34 | 0 24 | 6 45 | 1 51 | 25 23 | 12 51 | 13 55 | 13 47 | 1 14 | 17 44 | 4 26 |
| S 15 | 21 0 | 0 21 | 3 38 | 13 36 | 0 23 | 7 3 | 2 17 | 24 1 | 0 31 | 18 39 | 0 46 | 20 41 | 1 28 | 12 34 | 0 24 | 6 45 | 1 51 | 25 22 | 12 51 | 13 53 | 13 46 | 1 16 | 17 44 | 4 26 |
| S 16 | 20 49 | 4n30 | 2 39 | 13 2 | 0 33 | 6 42 | 2 27 | 24 3 | 0 32 | 18 35 | 0 47 | 20 42 | 1 28 | 12 34 | 0 24 | 6 45 | 1 51 | 25 21 | 12 51 | 13 52 | 13 45 | 1 18 | 17 44 | 4 26 |
| M17 | 20 37 | 9 2 | 1 31 | 12 29 | 0 44 | 6 21 | 2 38 | 24 5 | 0 32 | 18 32 | 0 47 | 20 42 | 1 28 | 12 34 | 0 24 | 6 46 | 1 51 | 25 21 | 12 51 | 13 52 | 13 44 | 1 20 | 17 44 | 4 25 |
| T 18 | 20 26 | 13 0 | 0 18 | 11 57 | 0 54 | 6 0 | 2 49 | 24 6 | 0 33 | 18 28 | 0 47 | 20 43 | 1 28 | 12 35 | 0 24 | 6 46 | 1 51 | 25 20 | 12 50 | 13 52 | 13 43 | 1 22 | 17 44 | 4 25 |
| W19 | 20 13 | 16 10 | 0s54 | 11 25 | 1 5 | 5 40 | 3 0 | 24 7 | 0 34 | 18 25 | 0 47 | 20 44 | 1 29 | 12 35 | 0 24 | 6 46 | 1 51 | 25 19 | 12 50 | 13 52 | 13 42 | 1 24 | 17 44 | 4 25 |
| T 20 | 20 1 | 18 24 | 2 3 | 10 53 | 1 16 | 5 20 | 3 11 | 24 8 | 0 34 | 18 21 | 0 47 | 20 45 | 1 29 | 12 35 | 0 24 | 6 46 | 1 51 | 25 18 | 12 50 | 13 51 | 13 41 | 1 26 | 17 44 | 4 25 |
| F 21 | 19 48 | 19 34 | 3 3 | 10 22 | 1 27 | 5 1 | 3 22 | 24 9 | 0 35 | 18 18 | 0 47 | 20 46 | 1 29 | 12 35 | 0 24 | 6 47 | 1 50 | 25 17 | 12 50 | 13 50 | 13 40 | 1 28 | 17 44 | 4 25 |
| S 22 | 19 35 | 19 40 | 3 52 | 9 52 | 1 38 | 4 42 | 3 34 | 24 10 | 0 36 | 18 14 | 0 47 | 20 46 | 1 29 | 12 36 | 0 24 | 6 47 | 1 50 | 25 17 | 12 50 | 13 48 | 13 39 | 1 30 | 17 44 | 4 25 |
| S 23 | 19 22 | 18 43 | 4 29 | 9 23 | 1 49 | 4 23 | 3 45 | 24 10 | 0 36 | 18 11 | 0 47 | 20 47 | 1 29 | 12 36 | 0 24 | 6 47 | 1 50 | 25 16 | 12 50 | 13 45 | 13 38 | 1 32 | 17 43 | 4 24 |
| M24 | 19 8 | 16 51 | 4 52 | 8 54 | 2 0 | 4 5 | 3 57 | 24 11 | 0 37 | 18 7 | 0 47 | 20 48 | 1 29 | 12 36 | 0 24 | 6 48 | 1 50 | 25 15 | 12 50 | 13 41 | 13 37 | 1 34 | 17 43 | 4 24 |
| T 25 | 18 54 | 14 13 | 5 0 | 8 27 | 2 11 | 3 48 | 4 9 | 24 11 | 0 38 | 18 3 | 0 47 | 20 49 | 1 29 | 12 37 | 0 24 | 6 48 | 1 50 | 25 14 | 12 50 | 13 36 | 13 36 | 1 36 | 17 43 | 4 24 |
| W26 | 18 39 | 10 59 | 4 54 | 8 0 | 2 23 | 3 31 | 4 21 | 24 10 | 0 38 | 18 0 | 0 47 | 20 49 | 1 29 | 12 37 | 0 24 | 6 48 | 1 50 | 25 14 | 12 50 | 13 32 | 13 34 | 1 38 | 17 44 | 4 24 |
| T 27 | 18 24 | 7 21 | 4 34 | 7 35 | 2 34 | 3 15 | 4 33 | 24 10 | 0 39 | 17 56 | 0 47 | 20 50 | 1 29 | 12 37 | 0 24 | 6 49 | 1 50 | 25 13 | 12 50 | 13 28 | 13 33 | 1 41 | 17 44 | 4 23 |
| F 28 | 18 9 | 3 27 | 4 3 | 7 12 | 2 45 | 2 59 | 4 45 | 24 10 | 0 40 | 17 52 | 0 47 | 20 51 | 1 29 | 12 38 | 0 24 | 6 49 | 1 50 | 25 12 | 12 50 | 13 24 | 13 32 | 1 43 | 17 44 | 4 23 |
| S 29 | 17 54 | 0s32 | 3 21 | 6 50 | 2 56 | 2 44 | 4 58 | 24 9 | 0 40 | 17 49 | 0 47 | 20 51 | 1 29 | 12 38 | 0 24 | 6 50 | 1 50 | 25 11 | 12 50 | 13 21 | 13 31 | 1 45 | 17 44 | 4 23 |
| S 30 | 17 38 | 4 28 | 2 30 | 6 30 | 3 6 | 2 31 | 5 10 | 24 8 | 0 41 | 17 45 | 0 47 | 20 52 | 1 29 | 12 38 | 0 24 | 6 50 | 1 50 | 25 11 | 12 50 | 13 19 | 13 30 | 1 47 | 17 44 | 4 23 |
| M31 | 17n22 | 8s14 | 1s33 | 6n11 | 3s17 | 2n17 | 5s22 | 24n 7 | 0n42 | 17n41 | 0n47 | 20n53 | 1s29 | 12s39 | 0n24 | 6s51 | 1n50 | 25n10 | 12n50 | 13s19 | 13s29 | 1s49 | 17s44 | 4n23 |

Julian Day Number = 2075896.5, Delta T = 26m50s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'22, Lahiri = 9°31'23 Julian Calendar 1 July 971 == Greg. Calendar 6 July 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## AUGUST 971 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 56 28 | 12♌39'57 | 29♎ 6 | 6♍40 | 11°R37 | 6♋52 | 13♌28 | 12♊ 4 | 4♏19 | 21♎49 | 25♌22 | 5°R 8 | 5♏37 | 27♍17 | 9°R55 | T 1 |
| W 2 | 21 0 25 | 13°37'46 | 11♏ 7 | 6°54 | 11♍37 | 7°31 | 13°41 | 12° 9 | 4°20 | 21°50 | 25°24 | 5♏ 8 | 5°34 | 27°24 | 9♐55 | W 2 |
| T 3 | 21 4 21 | 14°35'36 | 23°22 | 7° 2 | 11°35 | 8° 9 | 13°54 | 12°14 | 4°21 | 21°51 | 25°26 | 5° 8 | 5°31 | 27°30 | 9°54 | T 3 |
| F 4 | 21 8 18 | 15°33'27 | 5♐58 | 7°R 6 | 11°30 | 8°48 | 14° 7 | 12°19 | 4°23 | 21°52 | 25°28 | 5° 6 | 5°28 | 27°37 | 9°54 | F 4 |
| S 5 | 21 12 14 | 16°31'20 | 18°58 | 7° 3 | 11°23 | 9°26 | 14°20 | 12°24 | 4°24 | 21°53 | 25°31 | 5° 3 | 5°25 | 27°44 | 9°53 | S 5 |
| S 6 | 21 16 11 | 17°29'14 | 2♑25 | 6°55 | 11°14 | 10° 5 | 14°33 | 12°29 | 4°26 | 21°55 | 25°33 | 4°57 | 5°22 | 27°50 | 9°53 | S 6 |
| M 7 | 21 20 7 | 18°27'10 | 16°22 | 6°41 | 11° 2 | 10°43 | 14°46 | 12°34 | 4°27 | 21°56 | 25°35 | 4°48 | 5°18 | 27°57 | 9°53 | M 7 |
| T 8 | 21 24 4 | 19°25'07 | 0♒45 | 6°20 | 10°47 | 11°21 | 14°59 | 12°38 | 4°29 | 21°57 | 25°37 | 4°38 | 5°15 | 28° 4 | 9°53 | T 8 |
| W 9 | 21 28 1 | 20°23'05 | 15°30 | 5°54 | 10°31 | 11°59 | 15°12 | 12°43 | 4°30 | 21°58 | 25°39 | 4°28 | 5°12 | 28°10 | 9°D53 | W 9 |
| T 10 | 21 31 57 | 21°21'05 | 0♓29 | 5°22 | 10°12 | 12°38 | 15°25 | 12°47 | 4°32 | 22° 0 | 25°41 | 4°18 | 5° 9 | 28°17 | 9°53 | T 10 |
| F 11 | 21 35 54 | 22°19'07 | 15°32 | 4°44 | 9°51 | 13°16 | 15°38 | 12°51 | 4°33 | 22° 1 | 25°43 | 4° 9 | 5° 6 | 28°24 | 9°53 | F 11 |
| S 12 | 21 39 50 | 23°17'11 | 0♈30 | 4° 1 | 9°27 | 13°54 | 15°52 | 12°56 | 4°35 | 22° 2 | 25°45 | 4° 3 | 5° 3 | 28°30 | 9°53 | S 12 |
| S 13 | 21 43 47 | 24°15'16 | 15°16 | 3°12 | 9° 2 | 14°32 | 16° 5 | 13° 0 | 4°37 | 22° 4 | 25°47 | 3°59 | 4°59 | 28°37 | 9°53 | S 13 |
| M14 | 21 47 43 | 25°13'24 | 29°43 | 2°20 | 8°35 | 15°10 | 16°18 | 13° 4 | 4°39 | 22° 5 | 25°49 | 3°D58 | 4°56 | 28°44 | 9°54 | M14 |
| T 15 | 21 51 40 | 26°11'33 | 13♉49 | 1°25 | 8° 5 | 15°48 | 16°31 | 13° 8 | 4°41 | 22° 6 | 25°51 | 3°58 | 4°53 | 28°50 | 9°54 | T 15 |
| W16 | 21 55 36 | 27° 9'45 | 27°33 | 0°27 | 7°35 | 16°26 | 16°44 | 13°12 | 4°43 | 22° 8 | 25°53 | 3°R59 | 4°50 | 28°57 | 9°55 | W16 |
| T 17 | 21 59 33 | 28° 7'59 | 10♊58 | 29♌28 | 7° 2 | 17° 3 | 16°56 | 13°16 | 4°44 | 22° 9 | 25°55 | 3°58 | 4°47 | 29° 4 | 9°55 | T 17 |
| F 18 | 22 3 29 | 29° 6'15 | 24° 5 | 28°29 | 6°29 | 17°41 | 17° 9 | 13°19 | 4°46 | 22°11 | 25°57 | 3°55 | 4°43 | 29°10 | 9°56 | F 18 |
| S 19 | 22 7 26 | 0♍ 4'33 | 6♋57 | 27°32 | 5°54 | 18°19 | 17°22 | 13°23 | 4°49 | 22°12 | 26° 0 | 3°50 | 4°40 | 29°17 | 9°57 | S 19 |
| S 20 | 22 11 23 | 1° 2'53 | 19°35 | 26°37 | 5°18 | 18°57 | 17°35 | 13°27 | 4°51 | 22°14 | 26° 2 | 3°42 | 4°37 | 29°24 | 9°58 | S 20 |
| M21 | 22 15 19 | 2° 1'15 | 2♌ 2 | 25°46 | 4°42 | 19°34 | 17°48 | 13°30 | 4°53 | 22°16 | 26° 4 | 3°33 | 4°34 | 29°30 | 9°59 | M21 |
| T 22 | 22 19 16 | 2°59'39 | 14°19 | 25° 1 | 4° 5 | 20°12 | 18° 1 | 13°33 | 4°55 | 22°17 | 26° 6 | 3°22 | 4°31 | 29°37 | 10° 0 | T 22 |
| W23 | 22 23 12 | 3°58'05 | 26°28 | 24°22 | 3°29 | 20°49 | 18°14 | 13°37 | 4°57 | 22°19 | 26° 8 | 3°10 | 4°28 | 29°44 | 10° 1 | W23 |
| T 24 | 22 27 9 | 4°56'33 | 8♍28 | 23°51 | 2°52 | 21°27 | 18°27 | 13°40 | 4°59 | 22°20 | 26°10 | 3° 0 | 4°24 | 29°50 | 10° 3 | T 24 |
| F 25 | 22 31 5 | 5°55'03 | 20°22 | 23°28 | 2°15 | 22° 4 | 18°40 | 13°43 | 5° 2 | 22°22 | 26°12 | 2°51 | 4°21 | 29°57 | 10° 4 | F 25 |
| S 26 | 22 35 2 | 6°53'35 | 2♎11 | 23°13 | 1°39 | 22°41 | 18°52 | 13°46 | 5° 4 | 22°24 | 26°14 | 2°44 | 4°18 | 0♎ 4 | 10° 5 | S 26 |
| S 27 | 22 38 58 | 7°52'09 | 13°58 | 23°D 8 | 1° 4 | 23°19 | 19° 5 | 13°49 | 5° 6 | 22°25 | 26°16 | 2°39 | 4°15 | 0°10 | 10° 7 | S 27 |
| M28 | 22 42 55 | 8°50'44 | 25°46 | 23°13 | 0°29 | 23°56 | 19°18 | 13°51 | 5° 9 | 22°27 | 26°18 | 2°37 | 4°12 | 0°17 | 10° 9 | M28 |
| T 29 | 22 46 52 | 9°49'21 | 7♏38 | 23°27 | 29♌56 | 24°33 | 19°30 | 13°54 | 5°11 | 22°29 | 26°20 | 2°D37 | 4° 9 | 0°24 | 10°10 | T 29 |
| W30 | 22 50 48 | 10°48'00 | 19°38 | 23°50 | 29°24 | 25°10 | 19°43 | 13°57 | 5°14 | 22°31 | 26°22 | 2°38 | 4° 5 | 0°30 | 10°12 | W30 |
| T 31 | 22 54 45 | 11♍46'41 | 1♐52 | 24♌23 | 28♌54 | 25♋47 | 19♌56 | 13♊59 | 5♏16 | 22♎32 | 26♌24 | 2♏39 | 4♏ 2 | 0♎37 | 10♐14 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n 6 | 11s43 | 0s32 | 5n55 | 3s27 | 2n 5 | 5s35 | 24n 6 | 0n42 | 17n38 | 0n47 | 20n53 | 1s29 | 12s39 | 0n24 | 6s51 | 1n50 | 25n 9 | 12n50 | 13s18 | 13s28 | 1s51 | 17s44 | 4n22 |
| W 2 | 16 49 | 14 45 | 0n32 | 5 41 | 3 37 | 1 54 | 5 47 | 24 4 | 0 43 | 17 34 | 0 47 | 20 54 | 1 29 | 12 40 | 0 24 | 6 51 | 1 50 | 25 8 | 12 50 | 13 18 | 13 27 | 1 53 | 17 44 | 4 22 |
| T 3 | 16 33 | 17 11 | 1 35 | 5 29 | 3 46 | 1 43 | 5 59 | 24 3 | 0 44 | 17 30 | 0 48 | 20 55 | 1 29 | 12 40 | 0 24 | 6 52 | 1 50 | 25 8 | 12 50 | 13 18 | 13 26 | 1 55 | 17 44 | 4 22 |
| F 4 | 16 16 | 18 52 | 2 36 | 5 20 | 3 54 | 1 34 | 6 12 | 24 1 | 0 44 | 17 27 | 0 48 | 20 55 | 1 29 | 12 41 | 0 24 | 6 52 | 1 50 | 25 7 | 12 50 | 13 18 | 13 25 | 1 57 | 17 44 | 4 22 |
| S 5 | 15 58 | 19 37 | 3 30 | 5 13 | 4 2 | 1 25 | 6 24 | 23 59 | 0 45 | 17 23 | 0 48 | 20 56 | 1 29 | 12 41 | 0 24 | 6 53 | 1 50 | 25 6 | 12 50 | 13 16 | 13 24 | 1 59 | 17 45 | 4 21 |
| S 6 | 15 41 | 19 18 | 4 15 | 5 10 | 4 9 | 1 18 | 6 36 | 23 56 | 0 45 | 17 19 | 0 48 | 20 56 | 1 30 | 12 42 | 0 24 | 6 53 | 1 50 | 25 6 | 12 50 | 13 14 | 13 23 | 2 1 | 17 45 | 4 21 |
| M 7 | 15 23 | 17 49 | 4 47 | 5 9 | 4 16 | 1 11 | 6 47 | 23 54 | 0 46 | 17 15 | 0 48 | 20 57 | 1 30 | 12 42 | 0 24 | 6 54 | 1 50 | 25 5 | 12 50 | 13 12 | 13 22 | 2 3 | 17 45 | 4 21 |
| T 8 | 15 5 | 15 12 | 5 1 | 5 12 | 4 21 | 1 6 | 6 59 | 23 52 | 0 47 | 17 11 | 0 48 | 20 57 | 1 30 | 12 43 | 0 24 | 6 54 | 1 49 | 25 4 | 12 50 | 13 8 | 13 21 | 2 5 | 17 45 | 4 21 |
| W 9 | 14 46 | 11 33 | 4 56 | 5 18 | 4 25 | 1 2 | 7 10 | 23 49 | 0 47 | 17 8 | 0 48 | 20 58 | 1 30 | 12 43 | 0 24 | 6 55 | 1 49 | 25 3 | 12 50 | 13 5 | 13 20 | 2 7 | 17 45 | 4 20 |
| T 10 | 14 28 | 7 8 | 4 31 | 5 27 | 4 27 | 0 59 | 7 21 | 23 46 | 0 48 | 17 4 | 0 48 | 20 58 | 1 30 | 12 44 | 0 24 | 6 55 | 1 49 | 25 3 | 12 50 | 13 1 | 13 19 | 2 9 | 17 46 | 4 20 |
| F 11 | 14 9 | 2 14 | 3 47 | 5 40 | 4 28 | 0 57 | 7 31 | 23 43 | 0 49 | 17 0 | 0 48 | 20 59 | 1 30 | 12 44 | 0 24 | 6 56 | 1 49 | 25 2 | 12 50 | 12 58 | 13 17 | 2 11 | 17 46 | 4 20 |
| S 12 | 13 50 | 2n46 | 2 48 | 5 57 | 4 27 | 0 57 | 7 41 | 23 40 | 0 49 | 16 56 | 0 48 | 20 59 | 1 30 | 12 45 | 0 24 | 6 56 | 1 49 | 25 1 | 12 50 | 12 56 | 13 16 | 2 13 | 17 46 | 4 20 |
| S 13 | 13 31 | 7 33 | 1 38 | 6 16 | 4 25 | 0 58 | 7 50 | 23 36 | 0 50 | 16 52 | 0 48 | 21 0 | 1 30 | 12 46 | 0 24 | 6 57 | 1 49 | 25 1 | 12 50 | 12 55 | 13 15 | 2 15 | 17 47 | 4 20 |
| M14 | 13 11 | 11 47 | 0 23 | 6 39 | 4 20 | 1 0 | 7 59 | 23 33 | 0 51 | 16 49 | 0 48 | 21 0 | 1 30 | 12 46 | 0 24 | 6 58 | 1 49 | 25 0 | 12 50 | 12 55 | 13 14 | 2 17 | 17 47 | 4 19 |
| T 15 | 12 51 | 15 14 | 0s52 | 7 5 | 4 14 | 1 3 | 8 7 | 23 29 | 0 51 | 16 45 | 0 49 | 21 0 | 1 30 | 12 47 | 0 23 | 6 58 | 1 49 | 24 59 | 12 50 | 12 55 | 13 13 | 2 19 | 17 47 | 4 19 |
| W16 | 12 31 | 17 44 | 2 2 | 7 33 | 4 6 | 1 8 | 8 14 | 23 25 | 0 52 | 16 41 | 0 49 | 21 1 | 1 30 | 12 48 | 0 23 | 6 59 | 1 49 | 24 59 | 12 50 | 12 55 | 13 12 | 2 21 | 17 48 | 4 19 |
| T 17 | 12 11 | 19 11 | 3 4 | 8 3 | 3 55 | 1 13 | 8 21 | 23 21 | 0 53 | 16 37 | 0 49 | 21 1 | 1 30 | 12 48 | 0 23 | 6 59 | 1 49 | 24 58 | 12 50 | 12 55 | 13 11 | 2 23 | 17 48 | 4 18 |
| F 18 | 11 51 | 19 32 | 3 54 | 8 34 | 3 43 | 1 20 | 8 27 | 23 17 | 0 53 | 16 33 | 0 49 | 21 2 | 1 30 | 12 49 | 0 23 | 7 0 | 1 49 | 24 57 | 12 50 | 12 54 | 13 10 | 2 25 | 17 48 | 4 18 |
| S 19 | 11 30 | 18 52 | 4 31 | 9 7 | 3 30 | 1 28 | 8 32 | 23 12 | 0 54 | 16 29 | 0 49 | 21 2 | 1 30 | 12 50 | 0 23 | 7 1 | 1 49 | 24 57 | 12 50 | 12 52 | 13 9 | 2 27 | 17 49 | 4 18 |
| S 20 | 11 10 | 17 16 | 4 55 | 9 40 | 3 14 | 1 37 | 8 36 | 23 8 | 0 55 | 16 25 | 0 49 | 21 2 | 1 31 | 12 50 | 0 23 | 7 1 | 1 49 | 24 56 | 12 50 | 12 49 | 13 8 | 2 29 | 17 49 | 4 18 |
| M21 | 10 49 | 14 53 | 5 4 | 10 13 | 2 57 | 1 47 | 8 39 | 23 3 | 0 55 | 16 21 | 0 49 | 21 3 | 1 31 | 12 51 | 0 23 | 7 2 | 1 49 | 24 55 | 12 50 | 12 46 | 13 7 | 2 31 | 17 49 | 4 17 |
| T 22 | 10 28 | 11 52 | 4 58 | 10 45 | 2 40 | 1 58 | 8 41 | 22 58 | 0 56 | 16 18 | 0 49 | 21 3 | 1 31 | 12 52 | 0 23 | 7 2 | 1 49 | 24 55 | 12 51 | 12 42 | 13 6 | 2 33 | 17 50 | 4 17 |
| W23 | 10 6 | 8 23 | 4 40 | 11 15 | 2 21 | 2 10 | 8 43 | 22 53 | 0 57 | 16 14 | 0 49 | 21 3 | 1 31 | 12 53 | 0 23 | 7 3 | 1 49 | 24 54 | 12 51 | 12 38 | 13 5 | 2 35 | 17 50 | 4 17 |
| T 24 | 9 45 | 4 36 | 4 8 | 11 44 | 2 2 | 2 22 | 8 43 | 22 48 | 0 57 | 16 10 | 0 49 | 21 4 | 1 31 | 12 53 | 0 23 | 7 4 | 1 49 | 24 53 | 12 51 | 12 35 | 13 4 | 2 37 | 17 51 | 4 17 |
| F 25 | 9 23 | 0 40 | 3 27 | 12 10 | 1 42 | 2 35 | 8 43 | 22 42 | 0 58 | 16 6 | 0 49 | 21 4 | 1 31 | 12 54 | 0 23 | 7 4 | 1 49 | 24 53 | 12 51 | 12 31 | 13 2 | 2 39 | 17 51 | 4 16 |
| S 26 | 9 2 | 3s15 | 2 36 | 12 33 | 1 23 | 2 49 | 8 41 | 22 37 | 0 59 | 16 2 | 0 50 | 21 4 | 1 31 | 12 55 | 0 23 | 7 5 | 1 49 | 24 52 | 12 51 | 12 29 | 13 1 | 2 41 | 17 52 | 4 16 |
| S 27 | 8 40 | 7 3 | 1 39 | 12 53 | 1 4 | 3 4 | 8 39 | 22 31 | 0 59 | 15 58 | 0 50 | 21 4 | 1 31 | 12 56 | 0 23 | 7 6 | 1 49 | 24 52 | 12 51 | 12 28 | 13 0 | 2 43 | 17 52 | 4 16 |
| M28 | 8 18 | 10 35 | 0 37 | 13 9 | 0 45 | 3 19 | 8 36 | 22 25 | 1 0 | 15 54 | 0 50 | 21 5 | 1 31 | 12 57 | 0 23 | 7 6 | 1 49 | 24 51 | 12 51 | 12 27 | 12 59 | 2 45 | 17 53 | 4 16 |
| T 29 | 7 56 | 13 42 | 0n27 | 13 21 | 0 27 | 3 34 | 8 32 | 22 19 | 1 1 | 15 50 | 0 50 | 21 5 | 1 31 | 12 58 | 0 23 | 7 7 | 1 49 | 24 50 | 12 51 | 12 27 | 12 58 | 2 47 | 17 53 | 4 15 |
| W30 | 7 33 | 16 17 | 1 31 | 13 30 | 0 10 | 3 50 | 8 27 | 22 13 | 1 1 | 15 46 | 0 50 | 21 5 | 1 31 | 12 58 | 0 23 | 7 8 | 1 48 | 24 50 | 12 52 | 12 27 | 12 57 | 2 49 | 17 54 | 4 15 |
| T 31 | 7n11 | 18s11 | 2n31 | 13n34 | 0n 7 | 4n 5 | 8s21 | 22n 7 | 1n 2 | 15n43 | 0n50 | 21n 5 | 1s32 | 12s59 | 0n23 | 7s 8 | 1n48 | 24n49 | 12n52 | 12s28 | 12s56 | 2s51 | 17s54 | 4n15 |

Julian Day Number = 2075927.5, Delta T = 26m50s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'26, Lahiri = 9°31'27 Julian Calendar 1 Aug. 971 == Greg. Calendar 6 Aug. 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## SEPTEMBER 971 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 22 58 41 | 12♍45'24 | 14♐24 | 25♌ 4 | 28°R25 | 26♋24 | 20♌ 8 | 14♊ 1 | 5♏19 | 22♎34 | 26♌26 | 2°R40 | 3♏59 | 0♎44 | 10♐16 | F 1 |
| S 2 | 23 2 38 | 13°44'08 | 27°20 | 25°54 | 27♌58 | 27° 1 | 20°21 | 14° 4 | 5°22 | 22°36 | 26°28 | 2♏39 | 3°56 | 0°50 | 10°18 | S 2 |
| S 3 | 23 6 34 | 14°42'54 | 10♑42 | 26°52 | 27°33 | 27°38 | 20°33 | 14° 6 | 5°24 | 22°38 | 26°30 | 2°36 | 3°53 | 0°57 | 10°20 | S 3 |
| M 4 | 23 10 31 | 15°41'42 | 24°34 | 27°57 | 27°11 | 28°15 | 20°46 | 14° 8 | 5°27 | 22°40 | 26°32 | 2°31 | 3°49 | 1° 4 | 10°23 | M 4 |
| T 5 | 23 14 27 | 16°40'31 | 8♒55 | 29° 8 | 26°50 | 28°52 | 20°58 | 14°10 | 5°30 | 22°42 | 26°34 | 2°25 | 3°46 | 1°10 | 10°25 | T 5 |
| W 6 | 23 18 24 | 17°39'23 | 23°42 | 0♍26 | 26°32 | 29°28 | 21°10 | 14°11 | 5°32 | 22°44 | 26°36 | 2°18 | 3°43 | 1°17 | 10°27 | W 6 |
| T 7 | 23 22 21 | 18°38'16 | 8♓47 | 1°49 | 26°16 | 0♌ 5 | 21°23 | 14°13 | 5°35 | 22°46 | 26°38 | 2°11 | 3°40 | 1°24 | 10°30 | T 7 |
| F 8 | 23 26 17 | 19°37'11 | 24° 2 | 3°16 | 26° 3 | 0°41 | 21°35 | 14°15 | 5°38 | 22°47 | 26°40 | 2° 6 | 3°37 | 1°30 | 10°32 | F 8 |
| S 9 | 23 30 14 | 20°36'09 | 9♈15 | 4°48 | 25°52 | 1°18 | 21°47 | 14°16 | 5°41 | 22°49 | 26°42 | 2° 2 | 3°34 | 1°37 | 10°35 | S 9 |
| S 10 | 23 34 10 | 21°35'08 | 24°18 | 6°22 | 25°43 | 1°54 | 21°59 | 14°18 | 5°44 | 22°51 | 26°44 | 2° 0 | 3°30 | 1°44 | 10°38 | S 10 |
| M11 | 23 38 7 | 22°34'10 | 9♉ 2 | 8° 0 | 25°37 | 2°31 | 22°12 | 14°19 | 5°47 | 22°53 | 26°46 | 2°D 0 | 3°27 | 1°50 | 10°41 | M11 |
| T 12 | 23 42 3 | 23°33'14 | 23°22 | 9°40 | 25°33 | 3° 7 | 22°24 | 14°20 | 5°50 | 22°55 | 26°48 | 2° 1 | 3°24 | 1°57 | 10°44 | T 12 |
| W13 | 23 46 0 | 24°32'21 | 7♊16 | 11°22 | 25°D32 | 3°43 | 22°36 | 14°21 | 5°53 | 22°57 | 26°50 | 2° 3 | 3°21 | 2° 4 | 10°47 | W13 |
| T 14 | 23 49 56 | 25°31'30 | 20°45 | 13° 5 | 25°33 | 4°20 | 22°48 | 14°22 | 5°56 | 22°59 | 26°52 | 2°R 4 | 3°18 | 2°10 | 10°50 | T 14 |
| F 15 | 23 53 53 | 26°30'41 | 3♋52 | 14°49 | 25°37 | 4°56 | 23° 0 | 14°23 | 5°59 | 23° 1 | 26°53 | 2° 4 | 3°14 | 2°17 | 10°53 | F 15 |
| S 16 | 23 57 50 | 27°29'55 | 16°38 | 16°34 | 25°42 | 5°32 | 23°12 | 14°24 | 6° 2 | 23° 4 | 26°55 | 2° 2 | 3°11 | 2°24 | 10°56 | S 16 |
| S 17 | 0 1 46 | 28°29'11 | 29° 8 | 18°20 | 25°50 | 6° 8 | 23°23 | 14°24 | 6° 5 | 23° 6 | 26°57 | 1°59 | 3° 8 | 2°30 | 10°59 | S 17 |
| M18 | 0 5 43 | 29°28'29 | 11♌24 | 20° 6 | 26° 1 | 6°44 | 23°35 | 14°25 | 6° 8 | 23° 8 | 26°59 | 1°54 | 3° 5 | 2°37 | 11° 3 | M18 |
| T 19 | 0 9 39 | 0♎27'50 | 23°30 | 21°52 | 26°13 | 7°20 | 23°47 | 14°25 | 6°11 | 23°10 | 27° 1 | 1°49 | 3° 2 | 2°44 | 11° 6 | T 19 |
| W20 | 0 13 36 | 1°27'13 | 5♍29 | 23°38 | 26°28 | 7°56 | 23°58 | 14°25 | 6°15 | 23°12 | 27° 3 | 1°43 | 2°59 | 2°50 | 11° 9 | W20 |
| T 21 | 0 17 32 | 2°26'38 | 17°22 | 25°24 | 26°44 | 8°31 | 24°10 | 14°26 | 6°18 | 23°14 | 27° 4 | 1°38 | 2°55 | 2°57 | 11°13 | T 21 |
| F 22 | 0 21 29 | 3°26'05 | 29°11 | 27°10 | 27° 3 | 9° 7 | 24°22 | 14°R26 | 6°21 | 23°16 | 27° 6 | 1°33 | 2°52 | 3° 4 | 11°17 | F 22 |
| S 23 | 0 25 25 | 4°25'34 | 10♎59 | 28°55 | 27°23 | 9°43 | 24°33 | 14°26 | 6°24 | 23°18 | 27° 8 | 1°30 | 2°49 | 3°10 | 11°20 | S 23 |
| S 24 | 0 29 22 | 5°25'06 | 22°48 | 0♏40 | 27°46 | 10°18 | 24°44 | 14°25 | 6°28 | 23°20 | 27°10 | 1°29 | 2°46 | 3°17 | 11°24 | S 24 |
| M25 | 0 33 18 | 6°24'39 | 4♏39 | 2°24 | 28°10 | 10°54 | 24°56 | 14°25 | 6°31 | 23°23 | 27°11 | 1°D28 | 2°43 | 3°24 | 11°28 | M25 |
| T 26 | 0 37 15 | 7°24'14 | 16°36 | 4° 8 | 28°35 | 11°29 | 25° 7 | 14°25 | 6°34 | 23°25 | 27°13 | 1°29 | 2°40 | 3°30 | 11°32 | T 26 |
| W27 | 0 41 12 | 8°23'52 | 28°41 | 5°51 | 29° 3 | 12° 4 | 25°18 | 14°24 | 6°38 | 23°27 | 27°15 | 1°31 | 2°36 | 3°37 | 11°36 | W27 |
| T 28 | 0 45 8 | 9°23'31 | 10♐59 | 7°33 | 29°32 | 12°40 | 25°29 | 14°24 | 6°41 | 23°29 | 27°16 | 1°32 | 2°33 | 3°44 | 11°40 | T 28 |
| F 29 | 0 49 5 | 10°23'12 | 23°32 | 9°15 | 0♍ 3 | 13°15 | 25°40 | 14°23 | 6°45 | 23°31 | 27°18 | 1°34 | 2°30 | 3°50 | 11°44 | F 29 |
| S 30 | 0 53 1 | 11♎22'55 | 6♑25 | 10♎57 | 0♍35 | 13♌50 | 25♌51 | 14♊22 | 6♏48 | 23♎34 | 27♌20 | 1°R35 | 2♏27 | 3♎57 | 11♐49 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n48 | 19s14 | 3n26 | 13n35 | 0n22 | 4n21 | 8s14 | 22n 1 | 1n 3 | 15n39 | 0n50 | 21n 6 | 1s32 | 13s 0 | 0n23 | 7s 9 | 1n48 | 24n49 | 12n52 | 12s28 | 12s55 | 2s53 | 17s55 | 4n15 |
| S 2 | 6 26 | 19 20 | 4 12 | 13 31 | 0 36 | 4 37 | 8 7 | 21 54 | 1 3 | 15 35 | 0 50 | 21 6 | 1 32 | 13 1 | 0 23 | 7 10 | 1 48 | 24 48 | 12 52 | 12 27 | 12 54 | 2 55 | 17 55 | 4 14 |
| S 3 | 6 3 | 18 22 | 4 47 | 13 24 | 0 49 | 4 53 | 7 59 | 21 48 | 1 4 | 15 31 | 0 50 | 21 6 | 1 32 | 13 2 | 0 23 | 7 11 | 1 48 | 24 48 | 12 52 | 12 26 | 12 53 | 2 57 | 17 56 | 4 14 |
| M 4 | 5 40 | 16 18 | 5 6 | 13 12 | 1 1 | 5 8 | 7 51 | 21 41 | 1 5 | 15 27 | 0 51 | 21 6 | 1 32 | 13 3 | 0 23 | 7 11 | 1 48 | 24 47 | 12 53 | 12 25 | 12 52 | 2 59 | 17 56 | 4 14 |
| T 5 | 5 17 | 13 11 | 5 7 | 12 57 | 1 11 | 5 24 | 7 42 | 21 34 | 1 5 | 15 23 | 0 51 | 21 6 | 1 32 | 13 4 | 0 23 | 7 12 | 1 48 | 24 46 | 12 53 | 12 23 | 12 51 | 3 1 | 17 57 | 4 14 |
| W 6 | 4 54 | 9 10 | 4 48 | 12 38 | 1 20 | 5 38 | 7 33 | 21 27 | 1 6 | 15 19 | 0 51 | 21 6 | 1 32 | 13 5 | 0 23 | 7 13 | 1 48 | 24 46 | 12 53 | 12 20 | 12 50 | 3 3 | 17 57 | 4 13 |
| T 7 | 4 31 | 4 29 | 4 9 | 12 16 | 1 28 | 5 53 | 7 23 | 21 20 | 1 7 | 15 15 | 0 51 | 21 6 | 1 32 | 13 6 | 0 23 | 7 14 | 1 48 | 24 45 | 12 53 | 12 18 | 12 48 | 3 5 | 17 58 | 4 13 |
| F 8 | 4 8 | 0n33 | 3 11 | 11 50 | 1 35 | 6 7 | 7 12 | 21 12 | 1 7 | 15 12 | 0 51 | 21 6 | 1 32 | 13 7 | 0 23 | 7 14 | 1 48 | 24 45 | 12 53 | 12 16 | 12 47 | 3 7 | 17 59 | 4 13 |
| S 9 | 3 45 | 5 32 | 2 0 | 11 22 | 1 41 | 6 21 | 7 2 | 21 5 | 1 8 | 15 8 | 0 51 | 21 7 | 1 32 | 13 8 | 0 23 | 7 15 | 1 48 | 24 44 | 12 54 | 12 15 | 12 46 | 3 9 | 17 59 | 4 13 |
| S 10 | 3 21 | 10 7 | 0 42 | 10 51 | 1 46 | 6 34 | 6 51 | 20 58 | 1 9 | 15 4 | 0 51 | 21 7 | 1 32 | 13 9 | 0 23 | 7 16 | 1 48 | 24 44 | 12 54 | 12 14 | 12 45 | 3 11 | 18 0 | 4 13 |
| M11 | 2 58 | 13 59 | 0s38 | 10 18 | 1 49 | 6 47 | 6 40 | 20 50 | 1 9 | 15 0 | 0 51 | 21 7 | 1 33 | 13 10 | 0 23 | 7 17 | 1 48 | 24 43 | 12 54 | 12 14 | 12 44 | 3 13 | 18 0 | 4 12 |
| T 12 | 2 34 | 16 53 | 1 54 | 9 43 | 1 52 | 6 59 | 6 28 | 20 42 | 1 10 | 14 56 | 0 52 | 21 7 | 1 33 | 13 11 | 0 23 | 7 17 | 1 48 | 24 43 | 12 54 | 12 15 | 12 43 | 3 15 | 18 1 | 4 12 |
| W13 | 2 11 | 18 41 | 3 0 | 9 5 | 1 53 | 7 10 | 6 17 | 20 34 | 1 11 | 14 52 | 0 52 | 21 7 | 1 33 | 13 12 | 0 23 | 7 18 | 1 48 | 24 43 | 12 54 | 12 15 | 12 42 | 3 17 | 18 2 | 4 12 |
| T 14 | 1 47 | 19 20 | 3 55 | 8 26 | 1 54 | 7 21 | 6 5 | 20 26 | 1 11 | 14 49 | 0 52 | 21 7 | 1 33 | 13 13 | 0 23 | 7 19 | 1 48 | 24 42 | 12 55 | 12 15 | 12 41 | 3 19 | 18 2 | 4 12 |
| F 15 | 1 24 | 18 56 | 4 35 | 7 46 | 1 54 | 7 31 | 5 53 | 20 18 | 1 12 | 14 45 | 0 52 | 21 7 | 1 33 | 13 14 | 0 23 | 7 20 | 1 48 | 24 42 | 12 55 | 12 15 | 12 40 | 3 21 | 18 3 | 4 11 |
| S 16 | 1 0 | 17 33 | 5 1 | 7 4 | 1 54 | 7 40 | 5 41 | 20 10 | 1 13 | 14 41 | 0 52 | 21 7 | 1 33 | 13 15 | 0 23 | 7 20 | 1 48 | 24 41 | 12 55 | 12 15 | 12 39 | 3 23 | 18 4 | 4 11 |
| S 17 | 0 36 | 15 21 | 5 12 | 6 22 | 1 52 | 7 48 | 5 29 | 20 2 | 1 13 | 14 37 | 0 52 | 21 7 | 1 33 | 13 16 | 0 23 | 7 21 | 1 48 | 24 41 | 12 56 | 12 14 | 12 38 | 3 25 | 18 4 | 4 11 |
| M18 | 0 13 | 12 31 | 5 8 | 5 38 | 1 50 | 7 56 | 5 18 | 19 53 | 1 14 | 14 33 | 0 52 | 21 7 | 1 33 | 13 17 | 0 23 | 7 22 | 1 48 | 24 40 | 12 56 | 12 12 | 12 36 | 3 27 | 18 5 | 4 11 |
| T 19 | 0s11 | 9 11 | 4 50 | 4 54 | 1 48 | 8 3 | 5 6 | 19 45 | 1 15 | 14 30 | 0 53 | 21 7 | 1 33 | 13 18 | 0 23 | 7 23 | 1 48 | 24 40 | 12 56 | 12 10 | 12 35 | 3 29 | 18 6 | 4 10 |
| W20 | 0 35 | 5 31 | 4 20 | 4 9 | 1 45 | 8 9 | 4 54 | 19 36 | 1 16 | 14 26 | 0 53 | 21 7 | 1 33 | 13 19 | 0 23 | 7 24 | 1 48 | 24 40 | 12 56 | 12 8 | 12 34 | 3 30 | 18 6 | 4 10 |
| T 21 | 0 59 | 1 40 | 3 39 | 3 23 | 1 41 | 8 15 | 4 42 | 19 27 | 1 16 | 14 22 | 0 53 | 21 7 | 1 33 | 13 20 | 0 23 | 7 24 | 1 48 | 24 39 | 12 57 | 12 6 | 12 33 | 3 32 | 18 7 | 4 10 |
| F 22 | 1 22 | 2s15 | 2 48 | 2 38 | 1 38 | 8 20 | 4 30 | 19 19 | 1 17 | 14 18 | 0 53 | 21 7 | 1 33 | 13 21 | 0 23 | 7 25 | 1 48 | 24 39 | 12 57 | 12 5 | 12 32 | 3 34 | 18 8 | 4 10 |
| S 23 | 1 46 | 6 4 | 1 50 | 1 52 | 1 33 | 8 24 | 4 19 | 19 10 | 1 18 | 14 15 | 0 53 | 21 6 | 1 34 | 13 22 | 0 23 | 7 26 | 1 48 | 24 39 | 12 57 | 12 4 | 12 31 | 3 36 | 18 8 | 4 10 |
| S 24 | 2 10 | 9 39 | 0 48 | 1 5 | 1 29 | 8 27 | 4 7 | 19 1 | 1 18 | 14 11 | 0 53 | 21 6 | 1 34 | 13 24 | 0 23 | 7 27 | 1 48 | 24 38 | 12 58 | 12 3 | 12 30 | 3 38 | 18 9 | 4 9 |
| M25 | 2 34 | 12 52 | 0n18 | 0 19 | 1 24 | 8 30 | 3 56 | 18 52 | 1 19 | 14 7 | 0 54 | 21 6 | 1 34 | 13 25 | 0 23 | 7 28 | 1 48 | 24 38 | 12 58 | 12 3 | 12 29 | 3 40 | 18 10 | 4 9 |
| T 26 | 2 57 | 15 34 | 1 23 | 0s27 | 1 19 | 8 31 | 3 44 | 18 42 | 1 20 | 14 4 | 0 54 | 21 6 | 1 34 | 13 26 | 0 23 | 7 28 | 1 48 | 24 38 | 12 58 | 12 3 | 12 28 | 3 42 | 18 11 | 4 9 |
| W27 | 3 21 | 17 37 | 2 25 | 1 13 | 1 13 | 8 32 | 3 33 | 18 33 | 1 20 | 14 0 | 0 54 | 21 6 | 1 34 | 13 27 | 0 23 | 7 29 | 1 48 | 24 37 | 12 58 | 12 4 | 12 27 | 3 44 | 18 11 | 4 9 |
| T 28 | 3 44 | 18 53 | 3 21 | 1 59 | 1 8 | 8 33 | 3 22 | 18 24 | 1 21 | 13 57 | 0 54 | 21 6 | 1 34 | 13 28 | 0 22 | 7 30 | 1 48 | 24 37 | 12 59 | 12 4 | 12 26 | 3 46 | 18 12 | 4 9 |
| F 29 | 4 8 | 19 16 | 4 9 | 2 45 | 1 2 | 8 32 | 3 11 | 18 14 | 1 22 | 13 53 | 0 54 | 21 6 | 1 34 | 13 29 | 0 22 | 7 31 | 1 48 | 24 37 | 12 59 | 12 5 | 12 24 | 3 48 | 18 13 | 4 8 |
| S 30 | 4s32 | 18s39 | 4n47 | 3s30 | 0n56 | 8n31 | 3s 0 | 18n 5 | 1n23 | 13n49 | 0n54 | 21n 5 | 1s34 | 13s30 | 0n22 | 7s32 | 1n48 | 24n36 | 12n59 | 12s 5 | 12s23 | 3s50 | 18s14 | 4n 8 |

Julian Day Number = 2075958.5, Delta T = 26m49s
Ecliptic obliquity = 23°34'14, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'31, Lahiri = 9°31'31 Julian Calendar 1 Sept. 971 == Greg. Calendar 6 Sept. 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## OCTOBER 971 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 56 58 | 12♎22'39 | 19♑40 | 12♎37 | 1♍ 8 | 14♌25 | 26♌ 2 | 14°R21 | 6♏52 | 23♎36 | 27♌21 | 1°R34 | 2♏24 | 4♎ 4 | 11♐53 | S 1 |
| M 2 | 1 0 54 | 13°22'26 | 3♒22 | 14°17 | 1°43 | 15° 0 | 26°13 | 14♊20 | 6°55 | 23°38 | 27°23 | 1♏33 | 2°20 | 4°10 | 11°57 | M 2 |
| T 3 | 1 4 51 | 14°22'14 | 17°30 | 15°57 | 2°20 | 15°35 | 26°23 | 14°19 | 6°59 | 23°40 | 27°24 | 1°32 | 2°17 | 4°17 | 12° 2 | T 3 |
| W 4 | 1 8 47 | 15°22'03 | 2♓ 4 | 17°36 | 2°57 | 16° 9 | 26°34 | 14°18 | 7° 2 | 23°42 | 27°26 | 1°30 | 2°14 | 4°24 | 12° 6 | W 4 |
| T 5 | 1 12 44 | 16°21'55 | 16°58 | 19°14 | 3°36 | 16°44 | 26°44 | 14°16 | 7° 6 | 23°45 | 27°27 | 1°28 | 2°11 | 4°30 | 12°11 | T 5 |
| F 6 | 1 16 41 | 17°21'48 | 2♈ 6 | 20°52 | 4°16 | 17°19 | 26°55 | 14°15 | 7° 9 | 23°47 | 27°29 | 1°26 | 2° 8 | 4°37 | 12°15 | F 6 |
| S 7 | 1 20 37 | 18°21'43 | 17°19 | 22°29 | 4°58 | 17°53 | 27° 5 | 14°13 | 7°13 | 23°49 | 27°30 | 1°25 | 2° 5 | 4°44 | 12°20 | S 7 |
| S 8 | 1 24 34 | 19°21'40 | 2♉27 | 24° 6 | 5°40 | 18°28 | 27°15 | 14°11 | 7°16 | 23°51 | 27°32 | 1°D25 | 2° 1 | 4°50 | 12°25 | S 8 |
| M 9 | 1 28 30 | 20°21'39 | 17°21 | 25°42 | 6°23 | 19° 2 | 27°25 | 14°10 | 7°20 | 23°54 | 27°33 | 1°25 | 1°58 | 4°57 | 12°29 | M 9 |
| T 10 | 1 32 27 | 21°21'40 | 1♊54 | 27°18 | 7° 8 | 19°36 | 27°35 | 14° 8 | 7°24 | 23°56 | 27°34 | 1°26 | 1°55 | 5° 4 | 12°34 | T 10 |
| W11 | 1 36 23 | 22°21'44 | 16° 1 | 28°53 | 7°53 | 20°11 | 27°45 | 14° 6 | 7°27 | 23°58 | 27°36 | 1°27 | 1°52 | 5°10 | 12°39 | W11 |
| T 12 | 1 40 20 | 23°21'49 | 29°41 | 0♏28 | 8°40 | 20°45 | 27°55 | 14° 4 | 7°31 | 24° 0 | 27°37 | 1°28 | 1°49 | 5°17 | 12°44 | T 12 |
| F 13 | 1 44 16 | 24°21'57 | 12♋54 | 2° 2 | 9°27 | 21°19 | 28° 5 | 14° 1 | 7°34 | 24° 3 | 27°38 | 1°28 | 1°45 | 5°24 | 12°49 | F 13 |
| S 14 | 1 48 13 | 25°22'07 | 25°43 | 3°36 | 10°16 | 21°53 | 28°15 | 13°59 | 7°38 | 24° 5 | 27°40 | 1°R28 | 1°42 | 5°30 | 12°54 | S 14 |
| S 15 | 1 52 10 | 26°22'19 | 8♌12 | 5°10 | 11° 5 | 22°27 | 28°24 | 13°57 | 7°42 | 24° 7 | 27°41 | 1°28 | 1°39 | 5°37 | 12°59 | S 15 |
| M16 | 1 56 6 | 27°22'33 | 20°25 | 6°43 | 11°55 | 23° 0 | 28°34 | 13°54 | 7°45 | 24° 9 | 27°42 | 1°28 | 1°36 | 5°44 | 13° 4 | M16 |
| T 17 | 2 0 3 | 28°22'49 | 2♍26 | 8°16 | 12°46 | 23°34 | 28°43 | 13°51 | 7°49 | 24°12 | 27°44 | 1°27 | 1°33 | 5°50 | 13° 9 | T 17 |
| W18 | 2 3 59 | 29°23'07 | 14°19 | 9°48 | 13°37 | 24° 8 | 28°52 | 13°49 | 7°53 | 24°14 | 27°45 | 1°27 | 1°30 | 5°57 | 13°15 | W18 |
| T 19 | 2 7 56 | 0♏23'27 | 26° 8 | 11°20 | 14°30 | 24°41 | 29° 1 | 13°46 | 7°57 | 24°16 | 27°46 | 1°27 | 1°26 | 6° 4 | 13°20 | T 19 |
| F 20 | 2 11 52 | 1°23'49 | 7♎55 | 12°52 | 15°23 | 25°15 | 29°10 | 13°43 | 8° 0 | 24°18 | 27°47 | 1°D27 | 1°23 | 6°10 | 13°25 | F 20 |
| S 21 | 2 15 49 | 2°24'13 | 19°45 | 14°23 | 16°17 | 25°48 | 29°19 | 13°40 | 8° 4 | 24°21 | 27°48 | 1°27 | 1°20 | 6°17 | 13°31 | S 21 |
| S 22 | 2 19 45 | 3°24'39 | 1♏39 | 15°54 | 17°11 | 26°21 | 29°28 | 13°37 | 8° 8 | 24°23 | 27°49 | 1°R27 | 1°17 | 6°24 | 13°36 | S 22 |
| M23 | 2 23 42 | 4°25'06 | 13°39 | 17°24 | 18° 6 | 26°54 | 29°37 | 13°34 | 8°11 | 24°25 | 27°50 | 1°27 | 1°14 | 6°30 | 13°42 | M23 |
| T 24 | 2 27 38 | 5°25'35 | 25°47 | 18°55 | 19° 2 | 27°27 | 29°45 | 13°30 | 8°15 | 24°27 | 27°51 | 1°26 | 1°11 | 6°37 | 13°47 | T 24 |
| W25 | 2 31 35 | 6°26'06 | 8♐ 5 | 20°24 | 19°58 | 28° 0 | 29°54 | 13°27 | 8°19 | 24°29 | 27°52 | 1°26 | 1° 7 | 6°44 | 13°53 | W25 |
| T 26 | 2 35 32 | 7°26'38 | 20°34 | 21°54 | 20°55 | 28°33 | 0♍ 2 | 13°23 | 8°23 | 24°32 | 27°53 | 1°25 | 1° 4 | 6°50 | 13°58 | T 26 |
| F 27 | 2 39 28 | 8°27'12 | 3♑17 | 23°23 | 21°52 | 29° 5 | 0°10 | 13°20 | 8°26 | 24°34 | 27°54 | 1°24 | 1° 1 | 6°57 | 14° 4 | F 27 |
| S 28 | 2 43 25 | 9°27'47 | 16°15 | 24°52 | 22°50 | 29°38 | 0°18 | 13°16 | 8°30 | 24°36 | 27°55 | 1°23 | 0°58 | 7° 3 | 14°10 | S 28 |
| S 29 | 2 47 21 | 10°28'23 | 29°31 | 26°20 | 23°49 | 0♍10 | 0°26 | 13°13 | 8°34 | 24°38 | 27°56 | 1°23 | 0°55 | 7°10 | 14°16 | S 29 |
| M30 | 2 51 18 | 11°29'00 | 13♒ 6 | 27°47 | 24°48 | 0°42 | 0°34 | 13° 9 | 8°37 | 24°40 | 27°57 | 1°D23 | 0°51 | 7°17 | 14°21 | M30 |
| T 31 | 2 55 14 | 12♏29'39 | 27♒ 1 | 29♏15 | 25♍47 | 1♍15 | 0♍41 | 13♊ 5 | 8♏41 | 24♎43 | 27♌58 | 1♏23 | 0♏48 | 7♎23 | 14♐27 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s55 | 17s 1 | 5n10 | 4s15 | 0n49 | 8n29 | 2s50 | 17n55 | 1n23 | 13n46 | 0n55 | 21n 5 | 1s34 | 13s32 | 0n22 | 7s33 | 1n48 | 24n36 | 13n 0 | 12s 5 | 12s22 | 3s52 | 18s14 | 4n 8 |
| M 2 | 5 18 | 14 23 | 5 16 | 5 0 | 0 43 | 8 26 | 2 40 | 17 46 | 1 24 | 13 42 | 0 55 | 21 5 | 1 34 | 13 33 | 0 22 | 7 33 | 1 48 | 24 36 | 13 0 | 12 5 | 12 21 | 3 54 | 18 15 | 4 8 |
| T 3 | 5 42 | 10 50 | 5 4 | 5 45 | 0 37 | 8 23 | 2 29 | 17 36 | 1 25 | 13 39 | 0 55 | 21 5 | 1 34 | 13 34 | 0 22 | 7 34 | 1 48 | 24 36 | 13 0 | 12 4 | 12 20 | 3 56 | 18 16 | 4 8 |
| W 4 | 6 5 | 6 33 | 4 33 | 6 29 | 0 30 | 8 19 | 2 19 | 17 26 | 1 25 | 13 35 | 0 55 | 21 5 | 1 34 | 13 35 | 0 22 | 7 35 | 1 48 | 24 35 | 13 1 | 12 4 | 12 19 | 3 58 | 18 17 | 4 8 |
| T 5 | 6 28 | 1 46 | 3 42 | 7 12 | 0 24 | 8 14 | 2 9 | 17 16 | 1 26 | 13 32 | 0 55 | 21 4 | 1 34 | 13 36 | 0 22 | 7 36 | 1 48 | 24 35 | 13 1 | 12 3 | 12 18 | 4 0 | 18 17 | 4 7 |
| F 6 | 6 51 | 3n13 | 2 36 | 7 55 | 0 17 | 8 8 | 2 0 | 17 6 | 1 27 | 13 29 | 0 55 | 21 4 | 1 35 | 13 37 | 0 22 | 7 37 | 1 48 | 24 35 | 13 2 | 12 2 | 12 17 | 4 2 | 18 18 | 4 7 |
| S 7 | 7 14 | 8 2 | 1 17 | 8 38 | 0 10 | 8 2 | 1 50 | 16 57 | 1 28 | 13 25 | 0 56 | 21 4 | 1 35 | 13 39 | 0 22 | 7 38 | 1 48 | 24 35 | 13 2 | 12 2 | 12 16 | 4 4 | 18 19 | 4 7 |
| S 8 | 7 37 | 12 18 | 0s 6 | 9 20 | 0 4 | 7 56 | 1 41 | 16 46 | 1 28 | 13 22 | 0 56 | 21 4 | 1 35 | 13 40 | 0 22 | 7 38 | 1 48 | 24 35 | 13 2 | 12 2 | 12 15 | 4 6 | 18 20 | 4 7 |
| M 9 | 8 0 | 15 42 | 1 27 | 10 2 | 0s 3 | 7 48 | 1 31 | 16 36 | 1 29 | 13 19 | 0 56 | 21 3 | 1 35 | 13 41 | 0 22 | 7 39 | 1 48 | 24 35 | 13 3 | 12 2 | 12 13 | 4 8 | 18 20 | 4 7 |
| T 10 | 8 23 | 18 1 | 2 41 | 10 43 | 0 10 | 7 40 | 1 22 | 16 26 | 1 30 | 13 15 | 0 56 | 21 3 | 1 35 | 13 42 | 0 22 | 7 40 | 1 48 | 24 34 | 13 3 | 12 2 | 12 12 | 4 9 | 18 21 | 4 7 |
| W11 | 8 45 | 19 8 | 3 43 | 11 23 | 0 16 | 7 31 | 1 14 | 16 16 | 1 31 | 13 12 | 0 56 | 21 3 | 1 35 | 13 43 | 0 22 | 7 41 | 1 48 | 24 34 | 13 3 | 12 2 | 12 11 | 4 11 | 18 22 | 4 6 |
| T 12 | 9 7 | 19 4 | 4 30 | 12 3 | 0 23 | 7 22 | 1 5 | 16 6 | 1 31 | 13 9 | 0 57 | 21 2 | 1 35 | 13 45 | 0 22 | 7 42 | 1 48 | 24 34 | 13 4 | 12 3 | 12 10 | 4 13 | 18 23 | 4 6 |
| F 13 | 9 30 | 17 56 | 5 1 | 12 43 | 0 30 | 7 12 | 0 56 | 15 55 | 1 32 | 13 6 | 0 57 | 21 2 | 1 35 | 13 46 | 0 22 | 7 43 | 1 48 | 24 34 | 13 4 | 12 3 | 12 9 | 4 15 | 18 23 | 4 6 |
| S 14 | 9 52 | 15 56 | 5 16 | 13 21 | 0 36 | 7 1 | 0 48 | 15 45 | 1 33 | 13 2 | 0 57 | 21 2 | 1 35 | 13 47 | 0 22 | 7 43 | 1 48 | 24 34 | 13 5 | 12 3 | 12 8 | 4 17 | 18 24 | 4 6 |
| S 15 | 10 14 | 13 14 | 5 16 | 13 59 | 0 43 | 6 50 | 0 40 | 15 35 | 1 33 | 12 59 | 0 57 | 21 1 | 1 35 | 13 48 | 0 22 | 7 44 | 1 48 | 24 34 | 13 5 | 12 3 | 12 7 | 4 19 | 18 25 | 4 6 |
| M16 | 10 36 | 10 0 | 5 1 | 14 36 | 0 49 | 6 38 | 0 32 | 15 24 | 1 34 | 12 56 | 0 57 | 21 1 | 1 35 | 13 49 | 0 22 | 7 45 | 1 48 | 24 34 | 13 5 | 12 3 | 12 6 | 4 21 | 18 26 | 4 6 |
| T 17 | 10 57 | 6 25 | 4 33 | 15 13 | 0 56 | 6 26 | 0 24 | 15 14 | 1 35 | 12 53 | 0 58 | 21 1 | 1 35 | 13 51 | 0 22 | 7 46 | 1 48 | 24 34 | 13 6 | 12 3 | 12 5 | 4 23 | 18 26 | 4 6 |
| W18 | 11 19 | 2 37 | 3 53 | 15 48 | 1 2 | 6 13 | 0 17 | 15 3 | 1 36 | 12 50 | 0 58 | 21 0 | 1 35 | 13 52 | 0 22 | 7 47 | 1 48 | 24 34 | 13 6 | 12 3 | 12 3 | 4 25 | 18 27 | 4 6 |
| T 19 | 11 40 | 1s16 | 3 4 | 16 23 | 1 8 | 5 59 | 0 9 | 14 53 | 1 37 | 12 47 | 0 58 | 21 0 | 1 35 | 13 53 | 0 22 | 7 47 | 1 48 | 24 34 | 13 7 | 12 2 | 12 2 | 4 27 | 18 28 | 4 5 |
| F 20 | 12 1 | 5 6 | 2 7 | 16 57 | 1 14 | 5 46 | 0 2 | 14 42 | 1 37 | 12 44 | 0 58 | 21 0 | 1 35 | 13 54 | 0 22 | 7 48 | 1 48 | 24 34 | 13 7 | 12 2 | 12 1 | 4 29 | 18 29 | 4 5 |
| S 21 | 12 22 | 8 46 | 1 5 | 17 31 | 1 20 | 5 31 | 0n 5 | 14 32 | 1 38 | 12 41 | 0 58 | 20 59 | 1 35 | 13 55 | 0 22 | 7 49 | 1 48 | 24 34 | 13 8 | 12 2 | 12 0 | 4 31 | 18 29 | 4 5 |
| S 22 | 12 43 | 12 6 | 0n 1 | 18 3 | 1 26 | 5 16 | 0 12 | 14 21 | 1 39 | 12 38 | 0 59 | 20 59 | 1 35 | 13 57 | 0 22 | 7 50 | 1 48 | 24 34 | 13 8 | 12 2 | 11 59 | 4 33 | 18 30 | 4 5 |
| M23 | 13 4 | 14 57 | 1 7 | 18 35 | 1 31 | 5 1 | 0 18 | 14 10 | 1 40 | 12 35 | 0 59 | 20 58 | 1 35 | 13 58 | 0 22 | 7 51 | 1 48 | 24 34 | 13 8 | 12 2 | 11 58 | 4 34 | 18 31 | 4 5 |
| T 24 | 13 24 | 17 11 | 2 11 | 19 5 | 1 37 | 4 45 | 0 25 | 14 0 | 1 40 | 12 32 | 0 59 | 20 58 | 1 35 | 13 59 | 0 22 | 7 52 | 1 48 | 24 34 | 13 9 | 12 2 | 11 57 | 4 36 | 18 32 | 4 5 |
| W25 | 13 44 | 18 39 | 3 10 | 19 35 | 1 42 | 4 28 | 0 31 | 13 49 | 1 41 | 12 30 | 0 59 | 20 58 | 1 36 | 14 0 | 0 22 | 7 52 | 1 48 | 24 34 | 13 9 | 12 2 | 11 56 | 4 38 | 18 32 | 4 5 |
| T 26 | 14 4 | 19 14 | 4 1 | 20 4 | 1 47 | 4 11 | 0 37 | 13 38 | 1 42 | 12 27 | 0 59 | 20 57 | 1 36 | 14 1 | 0 22 | 7 53 | 1 48 | 24 34 | 13 10 | 12 2 | 11 55 | 4 40 | 18 33 | 4 5 |
| F 27 | 14 24 | 18 52 | 4 40 | 20 32 | 1 52 | 3 54 | 0 43 | 13 27 | 1 43 | 12 24 | 1 0 | 20 57 | 1 36 | 14 3 | 0 22 | 7 54 | 1 48 | 24 34 | 13 10 | 12 2 | 11 53 | 4 42 | 18 34 | 4 5 |
| S 28 | 14 43 | 17 30 | 5 7 | 20 58 | 1 57 | 3 36 | 0 49 | 13 17 | 1 44 | 12 22 | 1 0 | 20 56 | 1 36 | 14 4 | 0 22 | 7 55 | 1 48 | 24 34 | 13 11 | 12 1 | 11 52 | 4 44 | 18 35 | 4 5 |
| S 29 | 15 3 | 15 11 | 5 17 | 21 24 | 2 1 | 3 18 | 0 55 | 13 6 | 1 44 | 12 19 | 1 0 | 20 56 | 1 36 | 14 5 | 0 22 | 7 55 | 1 48 | 24 34 | 13 11 | 12 1 | 11 51 | 4 46 | 18 35 | 4 5 |
| M30 | 15 22 | 12 0 | 5 11 | 21 49 | 2 5 | 3 0 | 1 0 | 12 55 | 1 45 | 12 16 | 1 0 | 20 55 | 1 36 | 14 6 | 0 22 | 7 56 | 1 48 | 24 34 | 13 11 | 12 1 | 11 50 | 4 48 | 18 36 | 4 4 |
| T 31 | 15s40 | 8s 5 | 4n46 | 22s12 | 2s 9 | 2n41 | 1n 5 | 12n44 | 1n46 | 12n14 | 1n 1 | 20n55 | 1s36 | 14s 8 | 0n22 | 7s57 | 1n48 | 24n34 | 13n12 | 12s 1 | 11s49 | 4s50 | 18s37 | 4n 4 |

Julian Day Number = 2075988.5, Delta T = 26m49s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'35, Lahiri = 9°31'35 Julian Calendar 1 Oct. 971 == Greg. Calendar 6 Oct. 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## NOVEMBER 971 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 2 59 11 | 13♏30'18 | 11♓16 | 0♐41 | 26♍47 | 1♍47 | 0♍49 | 13°R 1 | 8♏45 | 24♎45 | 27♌58 | 1♏24 | 0♏45 | 7♎30 | 14♐33 | W 1 |
| T 2 | 3 3 7 | 14°30'59 | 25°48 | 2° 7 | 27°47 | 2°19 | 0°56 | 12♊57 | 8°49 | 24°47 | 27°59 | 1°25 | 0°42 | 7°37 | 14°39 | T 2 |
| F 3 | 3 7 4 | 15°31'41 | 10♈35 | 3°32 | 28°48 | 2°50 | 1° 3 | 12°53 | 8°52 | 24°49 | 28° 0 | 1°26 | 0°39 | 7°43 | 14°45 | F 3 |
| S 4 | 3 11 1 | 16°32'25 | 25°30 | 4°57 | 29°49 | 3°22 | 1°11 | 12°49 | 8°56 | 24°51 | 28° 1 | 1°R26 | 0°36 | 7°50 | 14°51 | S 4 |
| S 5 | 3 14 57 | 17°33'09 | 10♉25 | 6°20 | 0♎51 | 3°54 | 1°18 | 12°45 | 9° 0 | 24°53 | 28° 1 | 1°26 | 0°32 | 7°57 | 14°57 | S 5 |
| M 6 | 3 18 54 | 18°33'55 | 25°13 | 7°43 | 1°53 | 4°25 | 1°24 | 12°40 | 9° 3 | 24°55 | 28° 2 | 1°25 | 0°29 | 8° 3 | 15° 3 | M 6 |
| T 7 | 3 22 50 | 19°34'42 | 9♊47 | 9° 4 | 2°55 | 4°56 | 1°31 | 12°36 | 9° 7 | 24°57 | 28° 3 | 1°23 | 0°26 | 8°10 | 15° 9 | T 7 |
| W 8 | 3 26 47 | 20°35'31 | 23°59 | 10°24 | 3°58 | 5°27 | 1°38 | 12°32 | 9°11 | 25° 0 | 28° 3 | 1°21 | 0°23 | 8°17 | 15°15 | W 8 |
| T 9 | 3 30 43 | 21°36'21 | 7♋46 | 11°43 | 5° 1 | 5°58 | 1°44 | 12°27 | 9°15 | 25° 2 | 28° 4 | 1°18 | 0°20 | 8°23 | 15°21 | T 9 |
| F 10 | 3 34 40 | 22°37'12 | 21° 8 | 12°59 | 6° 5 | 6°29 | 1°50 | 12°23 | 9°18 | 25° 4 | 28° 4 | 1°15 | 0°17 | 8°30 | 15°27 | F 10 |
| S 11 | 3 38 36 | 23°38'05 | 4♌ 3 | 14°14 | 7° 9 | 7° 0 | 1°56 | 12°18 | 9°22 | 25° 6 | 28° 5 | 1°13 | 0°13 | 8°37 | 15°33 | S 11 |
| S 12 | 3 42 33 | 24°38'59 | 16°37 | 15°26 | 8°13 | 7°31 | 2° 2 | 12°14 | 9°25 | 25° 8 | 28° 5 | 1°12 | 0°10 | 8°43 | 15°39 | S 12 |
| M13 | 3 46 30 | 25°39'55 | 28°51 | 16°36 | 9°18 | 8° 1 | 2° 8 | 12° 9 | 9°29 | 25°10 | 28° 6 | 1°D11 | 0° 7 | 8°50 | 15°46 | M13 |
| T 14 | 3 50 26 | 26°40'52 | 10♍52 | 17°42 | 10°22 | 8°31 | 2°13 | 12° 4 | 9°33 | 25°12 | 28° 6 | 1°12 | 0° 4 | 8°57 | 15°52 | T 14 |
| W15 | 3 54 23 | 27°41'50 | 22°43 | 18°45 | 11°28 | 9° 2 | 2°19 | 12° 0 | 9°36 | 25°14 | 28° 6 | 1°14 | 0° 1 | 9° 3 | 15°58 | W15 |
| T 16 | 3 58 19 | 28°42'50 | 4♎31 | 19°44 | 12°33 | 9°32 | 2°24 | 11°55 | 9°40 | 25°16 | 28° 7 | 1°16 | 29♎57 | 9°10 | 16° 4 | T 16 |
| F 17 | 4 2 16 | 29°43'50 | 16°19 | 20°38 | 13°39 | 10° 1 | 2°29 | 11°50 | 9°43 | 25°18 | 28° 7 | 1°17 | 29°54 | 9°17 | 16°11 | F 17 |
| S 18 | 4 6 12 | 0♐44'52 | 28°12 | 21°27 | 14°45 | 10°31 | 2°34 | 11°45 | 9°47 | 25°20 | 28° 7 | 1°R18 | 29°51 | 9°23 | 16°17 | S 18 |
| S 19 | 4 10 9 | 1°45'55 | 10♏12 | 22° 9 | 15°51 | 11° 0 | 2°39 | 11°41 | 9°51 | 25°21 | 28° 7 | 1°18 | 29°48 | 9°30 | 16°23 | S 19 |
| M20 | 4 14 5 | 2°46'59 | 22°23 | 22°45 | 16°57 | 11°30 | 2°44 | 11°36 | 9°54 | 25°23 | 28° 8 | 1°16 | 29°45 | 9°37 | 16°30 | M20 |
| T 21 | 4 18 2 | 3°48'04 | 4♐46 | 23°13 | 18° 4 | 11°59 | 2°48 | 11°31 | 9°58 | 25°25 | 28° 8 | 1°12 | 29°42 | 9°43 | 16°36 | T 21 |
| W22 | 4 21 59 | 4°49'10 | 17°22 | 23°32 | 19°11 | 12°28 | 2°52 | 11°26 | 10° 1 | 25°27 | 28° 8 | 1° 7 | 29°38 | 9°50 | 16°42 | W22 |
| T 23 | 4 25 55 | 5°50'16 | 0♑12 | 23°R42 | 20°18 | 12°57 | 2°56 | 11°21 | 10° 5 | 25°29 | 28° 8 | 1° 1 | 29°35 | 9°57 | 16°49 | T 23 |
| F 24 | 4 29 52 | 6°51'23 | 13°15 | 23°42 | 21°26 | 13°25 | 3° 0 | 11°16 | 10° 8 | 25°31 | 28° 8 | 0°55 | 29°32 | 10° 3 | 16°55 | F 24 |
| S 25 | 4 33 48 | 7°52'31 | 26°30 | 23°30 | 22°33 | 13°54 | 3° 4 | 11°11 | 10°11 | 25°33 | 28° 8 | 0°49 | 29°29 | 10°10 | 17° 2 | S 25 |
| S 26 | 4 37 45 | 8°53'39 | 9♒58 | 23° 7 | 23°41 | 14°22 | 3° 8 | 11° 6 | 10°15 | 25°34 | 28°R 8 | 0°44 | 29°26 | 10°17 | 17° 8 | S 26 |
| M27 | 4 41 41 | 9°54'47 | 23°38 | 22°33 | 24°49 | 14°50 | 3°11 | 11° 1 | 10°18 | 25°36 | 28° 8 | 0°41 | 29°23 | 10°23 | 17°14 | M27 |
| T 28 | 4 45 38 | 10°55'55 | 7♓29 | 21°47 | 25°57 | 15°18 | 3°14 | 10°56 | 10°22 | 25°38 | 28° 8 | 0°D40 | 29°19 | 10°30 | 17°21 | T 28 |
| W29 | 4 49 34 | 11°57'04 | 21°31 | 20°50 | 27° 6 | 15°45 | 3°17 | 10°51 | 10°25 | 25°39 | 28° 8 | 0°40 | 29°16 | 10°36 | 17°27 | W29 |
| T 30 | 4 53 31 | 12♐58'13 | 5♈44 | 19♐44 | 28♎14 | 16♍13 | 3♍20 | 10♊46 | 10♏28 | 25♎41 | 28♌ 8 | 0♏41 | 29♎13 | 10♎43 | 17♐34 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s59 | 3s37 | 4n 4 | 22s34 | 2s13 | 2n22 | 1n11 | 12n34 | 1n47 | 12n12 | 1n 1 | 20n54 | 1s36 | 14s 9 | 0n22 | 7s58 | 1n48 | 24n34 | 13n12 | 12s 1 | 11s48 | 4s52 | 18s37 | 4n 4 |
| T 2 | 16 17 | 1n 9 | 3 5 | 22 55 | 2 16 | 2 2 | 1 15 | 12 23 | 1 48 | 12 9 | 1 1 | 20 54 | 1 36 | 14 10 | 0 22 | 7 59 | 1 48 | 24 35 | 13 13 | 12 2 | 11 47 | 4 54 | 18 38 | 4 4 |
| F 3 | 16 35 | 5 57 | 1 53 | 23 15 | 2 19 | 1 42 | 1 20 | 12 12 | 1 48 | 12 7 | 1 1 | 20 53 | 1 36 | 14 11 | 0 22 | 7 59 | 1 48 | 24 35 | 13 13 | 12 2 | 11 46 | 4 55 | 18 39 | 4 4 |
| S 4 | 16 52 | 10 25 | 0 33 | 23 33 | 2 21 | 1 22 | 1 25 | 12 1 | 1 49 | 12 4 | 1 2 | 20 53 | 1 36 | 14 12 | 0 22 | 8 0 | 1 48 | 24 35 | 13 14 | 12 2 | 11 45 | 4 57 | 18 40 | 4 4 |
| S 5 | 17 10 | 14 15 | 0s50 | 23 51 | 2 24 | 1 1 | 1 29 | 11 51 | 1 50 | 12 2 | 1 2 | 20 52 | 1 36 | 14 14 | 0 22 | 8 1 | 1 48 | 24 35 | 13 14 | 12 2 | 11 43 | 4 59 | 18 40 | 4 4 |
| M 6 | 17 27 | 17 6 | 2 8 | 24 6 | 2 25 | 0 41 | 1 34 | 11 40 | 1 51 | 12 0 | 1 2 | 20 52 | 1 36 | 14 15 | 0 22 | 8 2 | 1 48 | 24 35 | 13 15 | 12 2 | 11 42 | 5 1 | 18 41 | 4 4 |
| T 7 | 17 43 | 18 48 | 3 17 | 24 21 | 2 26 | 0 19 | 1 38 | 11 29 | 1 52 | 11 58 | 1 2 | 20 51 | 1 36 | 14 16 | 0 22 | 8 2 | 1 48 | 24 35 | 13 15 | 12 1 | 11 41 | 5 3 | 18 42 | 4 4 |
| W 8 | 18 0 | 19 15 | 4 11 | 24 33 | 2 27 | 0s 2 | 1 42 | 11 18 | 1 53 | 11 56 | 1 3 | 20 51 | 1 36 | 14 17 | 0 22 | 8 3 | 1 48 | 24 36 | 13 16 | 12 0 | 11 40 | 5 5 | 18 42 | 4 4 |
| T 9 | 18 16 | 18 31 | 4 50 | 24 45 | 2 27 | 0 24 | 1 45 | 11 7 | 1 53 | 11 54 | 1 3 | 20 50 | 1 36 | 14 18 | 0 22 | 8 4 | 1 48 | 24 36 | 13 16 | 11 59 | 11 39 | 5 7 | 18 43 | 4 4 |
| F 10 | 18 32 | 16 47 | 5 11 | 24 55 | 2 27 | 0 46 | 1 49 | 10 57 | 1 54 | 11 52 | 1 3 | 20 49 | 1 36 | 14 19 | 0 22 | 8 5 | 1 48 | 24 36 | 13 17 | 11 58 | 11 38 | 5 9 | 18 44 | 4 4 |
| S 11 | 18 47 | 14 14 | 5 15 | 25 3 | 2 26 | 1 8 | 1 52 | 10 46 | 1 55 | 11 50 | 1 3 | 20 49 | 1 36 | 14 21 | 0 22 | 8 5 | 1 48 | 24 36 | 13 17 | 11 58 | 11 37 | 5 11 | 18 44 | 4 4 |
| S 12 | 19 2 | 11 6 | 5 4 | 25 9 | 2 24 | 1 30 | 1 56 | 10 35 | 1 56 | 11 48 | 1 4 | 20 48 | 1 35 | 14 22 | 0 22 | 8 6 | 1 48 | 24 37 | 13 18 | 11 57 | 11 36 | 5 12 | 18 45 | 4 4 |
| M13 | 19 17 | 7 34 | 4 40 | 25 14 | 2 21 | 1 53 | 1 59 | 10 25 | 1 57 | 11 46 | 1 4 | 20 48 | 1 35 | 14 23 | 0 22 | 8 7 | 1 48 | 24 37 | 13 18 | 11 57 | 11 34 | 5 14 | 18 46 | 4 4 |
| T 14 | 19 31 | 3 47 | 4 3 | 25 17 | 2 18 | 2 16 | 2 2 | 10 14 | 1 58 | 11 44 | 1 4 | 20 47 | 1 35 | 14 24 | 0 22 | 8 7 | 1 48 | 24 37 | 13 18 | 11 57 | 11 33 | 5 16 | 18 46 | 4 4 |
| W15 | 19 45 | 0s 6 | 3 17 | 25 19 | 2 14 | 2 39 | 2 5 | 10 4 | 1 59 | 11 42 | 1 4 | 20 47 | 1 35 | 14 25 | 0 22 | 8 8 | 1 48 | 24 38 | 13 19 | 11 58 | 11 32 | 5 18 | 18 47 | 4 4 |
| T 16 | 19 59 | 3 59 | 2 22 | 25 18 | 2 9 | 3 2 | 2 7 | 9 53 | 1 59 | 11 41 | 1 5 | 20 46 | 1 35 | 14 26 | 0 22 | 8 9 | 1 48 | 24 38 | 13 19 | 11 59 | 11 31 | 5 20 | 18 47 | 4 4 |
| F 17 | 20 12 | 7 42 | 1 22 | 25 16 | 2 2 | 3 25 | 2 10 | 9 42 | 2 0 | 11 39 | 1 5 | 20 45 | 1 35 | 14 28 | 0 22 | 8 9 | 1 48 | 24 38 | 13 20 | 11 59 | 11 30 | 5 22 | 18 48 | 4 4 |
| S 18 | 20 25 | 11 9 | 0 17 | 25 12 | 1 55 | 3 48 | 2 12 | 9 32 | 2 1 | 11 38 | 1 5 | 20 45 | 1 35 | 14 29 | 0 22 | 8 10 | 1 48 | 24 39 | 13 20 | 11 59 | 11 29 | 5 24 | 18 49 | 4 4 |
| S 19 | 20 38 | 14 11 | 0n49 | 25 7 | 1 47 | 4 12 | 2 15 | 9 22 | 2 2 | 11 36 | 1 5 | 20 44 | 1 35 | 14 30 | 0 22 | 8 11 | 1 48 | 24 39 | 13 21 | 11 59 | 11 28 | 5 26 | 18 49 | 4 4 |
| M20 | 20 50 | 16 39 | 1 53 | 24 59 | 1 37 | 4 36 | 2 17 | 9 11 | 2 3 | 11 35 | 1 6 | 20 44 | 1 35 | 14 31 | 0 22 | 8 11 | 1 48 | 24 39 | 13 21 | 11 59 | 11 27 | 5 27 | 18 50 | 4 4 |
| T 21 | 21 2 | 18 22 | 2 53 | 24 49 | 1 26 | 4 59 | 2 19 | 9 1 | 2 4 | 11 33 | 1 6 | 20 43 | 1 35 | 14 32 | 0 22 | 8 12 | 1 48 | 24 40 | 13 22 | 11 57 | 11 25 | 5 29 | 18 50 | 4 4 |
| W22 | 21 13 | 19 14 | 3 45 | 24 38 | 1 13 | 5 23 | 2 21 | 8 50 | 2 5 | 11 32 | 1 6 | 20 42 | 1 35 | 14 33 | 0 22 | 8 13 | 1 49 | 24 40 | 13 22 | 11 56 | 11 24 | 5 31 | 18 51 | 4 4 |
| T 23 | 21 24 | 19 7 | 4 28 | 24 25 | 1 0 | 5 47 | 2 22 | 8 40 | 2 6 | 11 31 | 1 6 | 20 42 | 1 35 | 14 34 | 0 22 | 8 13 | 1 49 | 24 41 | 13 23 | 11 53 | 11 23 | 5 33 | 18 52 | 4 4 |
| F 24 | 21 34 | 17 59 | 4 56 | 24 10 | 0 44 | 6 11 | 2 24 | 8 30 | 2 7 | 11 30 | 1 7 | 20 41 | 1 35 | 14 35 | 0 22 | 8 14 | 1 49 | 24 41 | 13 23 | 11 51 | 11 22 | 5 35 | 18 52 | 4 4 |
| S 25 | 21 45 | 15 54 | 5 10 | 23 53 | 0 28 | 6 35 | 2 25 | 8 20 | 2 8 | 11 29 | 1 7 | 20 41 | 1 35 | 14 36 | 0 22 | 8 15 | 1 49 | 24 41 | 13 24 | 11 49 | 11 21 | 5 37 | 18 53 | 4 5 |
| S 26 | 21 54 | 12 55 | 5 7 | 23 34 | 0 10 | 6 59 | 2 26 | 8 10 | 2 9 | 11 27 | 1 7 | 20 40 | 1 35 | 14 37 | 0 22 | 8 15 | 1 49 | 24 42 | 13 24 | 11 47 | 11 20 | 5 39 | 18 53 | 4 5 |
| M27 | 22 3 | 9 12 | 4 47 | 23 13 | 0n 9 | 7 23 | 2 28 | 8 0 | 2 10 | 11 26 | 1 8 | 20 39 | 1 35 | 14 38 | 0 22 | 8 16 | 1 49 | 24 42 | 13 25 | 11 46 | 11 19 | 5 41 | 18 54 | 4 5 |
| T 28 | 22 12 | 4 57 | 4 9 | 22 51 | 0 28 | 7 46 | 2 29 | 7 50 | 2 11 | 11 26 | 1 8 | 20 39 | 1 34 | 14 40 | 0 22 | 8 16 | 1 49 | 24 43 | 13 25 | 11 46 | 11 18 | 5 42 | 18 54 | 4 5 |
| W29 | 22 21 | 0 22 | 3 17 | 22 27 | 0 48 | 8 10 | 2 29 | 7 40 | 2 12 | 11 25 | 1 8 | 20 38 | 1 34 | 14 41 | 0 22 | 8 17 | 1 49 | 24 43 | 13 26 | 11 46 | 11 16 | 5 44 | 18 55 | 4 5 |
| T 30 | 22s29 | 4n18 | 2n11 | 22s 2 | 1n 8 | 8s34 | 2n30 | 7n30 | 2n13 | 11n24 | 1n 8 | 20n38 | 1s34 | 14s42 | 0n22 | 8s17 | 1n49 | 24n44 | 13n26 | 11s47 | 11s15 | 5s46 | 18s55 | 4n 5 |

Julian Day Number = 2076019.5, Delta T = 26m48s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'39, Lahiri = 9°31'39 Julian Calendar 1 Nov. 971 == Greg. Calendar 6 Nov. 971


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# ASTRODIENST EPHEMERIS for the year 971
# geocentric

## DECEMBER 971 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 57 28 | 13♐59'22 | 20♈ 5 | 18°R30 | 29♎23 | 16♍40 | 3♍23 | 10°R41 | 10♏31 | 25♎43 | 28°R 8 | 0♏42 | 29♎10 | 10♎50 | 17♐40 | F 1 |
| S 2 | 5 1 24 | 15° 0'31 | 4♉33 | 17♐11 | 0♏32 | 17° 7 | 3°25 | 10♊36 | 10°35 | 25°44 | 28♌ 7 | 0°R43 | 29° 7 | 10°56 | 17°47 | S 2 |
| S 3 | 5 5 21 | 16° 1'41 | 19° 2 | 15°49 | 1°41 | 17°33 | 3°28 | 10°31 | 10°38 | 25°46 | 28° 7 | 0°41 | 29° 3 | 11° 3 | 17°53 | S 3 |
| M 4 | 5 9 17 | 17° 2'51 | 3♊29 | 14°26 | 2°50 | 18° 0 | 3°30 | 10°26 | 10°41 | 25°48 | 28° 7 | 0°38 | 29° 0 | 11°10 | 17°59 | M 4 |
| T 5 | 5 13 14 | 18° 4'01 | 17°46 | 13° 7 | 4° 0 | 18°26 | 3°32 | 10°22 | 10°44 | 25°49 | 28° 7 | 0°32 | 28°57 | 11°16 | 18° 6 | T 5 |
| W 6 | 5 17 10 | 19° 5'11 | 1♋49 | 11°52 | 5° 9 | 18°52 | 3°33 | 10°17 | 10°47 | 25°51 | 28° 6 | 0°24 | 28°54 | 11°23 | 18°12 | W 6 |
| T 7 | 5 21 7 | 20° 6'22 | 15°33 | 10°45 | 6°19 | 19°18 | 3°35 | 10°12 | 10°51 | 25°52 | 28° 6 | 0°15 | 28°51 | 11°30 | 18°19 | T 7 |
| F 8 | 5 25 4 | 21° 7'33 | 28°54 | 9°46 | 7°29 | 19°44 | 3°36 | 10° 7 | 10°54 | 25°54 | 28° 6 | 0° 6 | 28°48 | 11°36 | 18°25 | F 8 |
| S 9 | 5 29 0 | 22° 8'44 | 11♌53 | 8°58 | 8°39 | 20° 9 | 3°37 | 10° 2 | 10°57 | 25°55 | 28° 5 | 29♎58 | 28°44 | 11°43 | 18°32 | S 9 |
| S 10 | 5 32 57 | 23° 9'56 | 24°29 | 8°19 | 9°49 | 20°34 | 3°38 | 9°57 | 11° 0 | 25°57 | 28° 5 | 29°52 | 28°41 | 11°50 | 18°38 | S 10 |
| M11 | 5 36 53 | 24°11'07 | 6♍46 | 7°52 | 10°59 | 20°59 | 3°39 | 9°53 | 11° 3 | 25°58 | 28° 4 | 29°48 | 28°38 | 11°56 | 18°44 | M11 |
| T 12 | 5 40 50 | 25°12'20 | 18°49 | 7°34 | 12° 9 | 21°23 | 3°40 | 9°48 | 11° 6 | 25°59 | 28° 4 | 29°46 | 28°35 | 12° 3 | 18°51 | T 12 |
| W13 | 5 44 46 | 26°13'32 | 0♎41 | 7°D27 | 13°20 | 21°48 | 3°40 | 9°43 | 11° 9 | 26° 1 | 28° 3 | 29°D46 | 28°32 | 12°10 | 18°57 | W13 |
| T 14 | 5 48 43 | 27°14'45 | 12°29 | 7°28 | 14°31 | 22°12 | 3°40 | 9°39 | 11°11 | 26° 2 | 28° 3 | 29°47 | 28°28 | 12°16 | 19° 4 | T 14 |
| F 15 | 5 52 39 | 28°15'57 | 24°17 | 7°39 | 15°41 | 22°35 | 3°R40 | 9°34 | 11°14 | 26° 3 | 28° 2 | 29°R48 | 28°25 | 12°23 | 19°10 | F 15 |
| S 16 | 5 56 36 | 29°17'10 | 6♏12 | 7°57 | 16°52 | 22°59 | 3°40 | 9°30 | 11°17 | 26° 4 | 28° 1 | 29°48 | 28°22 | 12°30 | 19°16 | S 16 |
| S 17 | 6 0 33 | 0♑18'23 | 18°18 | 8°22 | 18° 3 | 23°22 | 3°40 | 9°25 | 11°20 | 26° 6 | 28° 1 | 29°46 | 28°19 | 12°36 | 19°23 | S 17 |
| M18 | 6 4 29 | 1°19'37 | 0♐37 | 8°54 | 19°14 | 23°45 | 3°39 | 9°21 | 11°23 | 26° 7 | 28° 0 | 29°41 | 28°16 | 12°43 | 19°29 | M18 |
| T 19 | 6 8 26 | 2°20'50 | 13°14 | 9°32 | 20°25 | 24° 7 | 3°38 | 9°16 | 11°25 | 26° 8 | 27°59 | 29°34 | 28°13 | 12°50 | 19°35 | T 19 |
| W20 | 6 12 22 | 3°22'03 | 26° 9 | 10°16 | 21°37 | 24°29 | 3°37 | 9°12 | 11°28 | 26° 9 | 27°59 | 29°25 | 28° 9 | 12°56 | 19°42 | W20 |
| T 21 | 6 16 19 | 4°23'15 | 9♑22 | 11° 3 | 22°48 | 24°51 | 3°36 | 9° 8 | 11°31 | 26°10 | 27°58 | 29°13 | 28° 6 | 13° 3 | 19°48 | T 21 |
| F 22 | 6 20 15 | 5°24'27 | 22°50 | 11°56 | 23°59 | 25°13 | 3°35 | 9° 3 | 11°33 | 26°11 | 27°57 | 29° 1 | 28° 3 | 13° 9 | 19°54 | F 22 |
| S 23 | 6 24 12 | 6°25'39 | 6♒32 | 12°51 | 25°11 | 25°34 | 3°33 | 8°59 | 11°36 | 26°12 | 27°56 | 28°50 | 28° 0 | 13°16 | 20° 0 | S 23 |
| S 24 | 6 28 8 | 7°26'50 | 20°23 | 13°51 | 26°22 | 25°55 | 3°32 | 8°55 | 11°38 | 26°13 | 27°56 | 28°40 | 27°57 | 13°23 | 20° 7 | S 24 |
| M25 | 6 32 5 | 8°28'01 | 4♓21 | 14°53 | 27°34 | 26°15 | 3°30 | 8°51 | 11°41 | 26°14 | 27°55 | 28°33 | 27°54 | 13°29 | 20°13 | M25 |
| T 26 | 6 36 2 | 9°29'10 | 18°23 | 15°58 | 28°46 | 26°35 | 3°28 | 8°47 | 11°43 | 26°15 | 27°54 | 28°29 | 27°50 | 13°36 | 20°19 | T 26 |
| W27 | 6 39 58 | 10°30'19 | 2♈27 | 17° 6 | 29°58 | 26°55 | 3°25 | 8°44 | 11°45 | 26°16 | 27°53 | 28°27 | 27°47 | 13°43 | 20°25 | W27 |
| T 28 | 6 43 55 | 11°31'27 | 16°32 | 18°15 | 1♐10 | 27°14 | 3°23 | 8°40 | 11°48 | 26°17 | 27°52 | 28°D27 | 27°44 | 13°49 | 20°31 | T 28 |
| F 29 | 6 47 51 | 12°32'34 | 0♉37 | 19°27 | 2°22 | 27°33 | 3°20 | 8°36 | 11°50 | 26°18 | 27°51 | 28°R27 | 27°41 | 13°56 | 20°37 | F 29 |
| S 30 | 6 51 48 | 13°33'40 | 14°41 | 20°40 | 3°34 | 27°52 | 3°17 | 8°32 | 11°52 | 26°19 | 27°50 | 28°27 | 27°38 | 14° 3 | 20°43 | S 30 |
| S 31 | 6 55 44 | 14♑34'45 | 28♉44 | 21♐55 | 4♐46 | 28♍10 | 3♍14 | 8♊29 | 11♏55 | 26♎20 | 27♏49 | 28♎24 | 27♎34 | 14♎ 9 | 20♐50 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s36 | 8n47 | 0n57 | 21s36 | 1n28 | 8s58 | 2n31 | 7n20 | 2n13 | 11n23 | 1n 9 | 20n37 | 1s34 | 14s43 | 0n22 | 8s18 | 1n49 | 24n44 | 13n27 | 11s47 | 11s14 | 5s48 | 18s56 | 4n 5 | F 1 |
| S 2 | 22 43 | 12 47 | 0s21 | 21 10 | 1 47 | 9 22 | 2 31 | 7 11 | 2 14 | 11 23 | 1 9 | 20 36 | 1 34 | 14 44 | 0 22 | 8 19 | 1 49 | 24 45 | 13 27 | 11 47 | 11 13 | 5 50 | 18 56 | 4 5 | S 2 |
| S 3 | 22 50 | 16 1 | 1 38 | 20 45 | 2 5 | 9 45 | 2 32 | 7 1 | 2 15 | 11 22 | 1 9 | 20 36 | 1 34 | 14 45 | 0 22 | 8 19 | 1 49 | 24 45 | 13 28 | 11 47 | 11 12 | 5 52 | 18 57 | 4 5 | S 3 |
| M 4 | 22 56 | 18 13 | 2 48 | 20 20 | 2 20 | 10 9 | 2 32 | 6 52 | 2 16 | 11 22 | 1 10 | 20 35 | 1 34 | 14 46 | 0 22 | 8 20 | 1 49 | 24 46 | 13 28 | 11 45 | 11 11 | 5 54 | 18 57 | 4 5 | M 4 |
| T 5 | 23 2 | 19 15 | 3 46 | 19 57 | 2 34 | 10 32 | 2 32 | 6 42 | 2 17 | 11 21 | 1 10 | 20 35 | 1 34 | 14 47 | 0 22 | 8 20 | 1 49 | 24 46 | 13 28 | 11 43 | 11 10 | 5 55 | 18 58 | 4 5 | T 5 |
| W 6 | 23 7 | 19 3 | 4 30 | 19 36 | 2 45 | 10 56 | 2 32 | 6 33 | 2 18 | 11 21 | 1 10 | 20 34 | 1 34 | 14 48 | 0 22 | 8 21 | 1 49 | 24 47 | 13 29 | 11 40 | 11 9 | 5 57 | 18 58 | 4 6 | W 6 |
| T 7 | 23 12 | 17 44 | 4 57 | 19 18 | 2 54 | 11 19 | 2 32 | 6 24 | 2 19 | 11 20 | 1 10 | 20 34 | 1 33 | 14 49 | 0 22 | 8 21 | 1 49 | 24 47 | 13 29 | 11 37 | 11 7 | 5 59 | 18 58 | 4 6 | T 7 |
| F 8 | 23 16 | 15 29 | 5 7 | 19 3 | 3 1 | 11 42 | 2 31 | 6 14 | 2 20 | 11 20 | 1 11 | 20 33 | 1 33 | 14 50 | 0 22 | 8 22 | 1 49 | 24 48 | 13 30 | 11 34 | 11 6 | 6 1 | 18 59 | 4 6 | F 8 |
| S 9 | 23 20 | 12 30 | 5 1 | 18 52 | 3 5 | 12 5 | 2 31 | 6 5 | 2 22 | 11 20 | 1 11 | 20 32 | 1 33 | 14 51 | 0 22 | 8 22 | 1 49 | 24 48 | 13 30 | 11 31 | 11 5 | 6 3 | 18 59 | 4 6 | S 9 |
| S 10 | 23 24 | 9 2 | 4 40 | 18 44 | 3 7 | 12 27 | 2 31 | 5 56 | 2 23 | 11 20 | 1 11 | 20 32 | 1 33 | 14 51 | 0 22 | 8 23 | 1 49 | 24 49 | 13 31 | 11 29 | 11 4 | 6 5 | 19 0 | 4 6 | S 10 |
| M11 | 23 26 | 5 16 | 4 6 | 18 40 | 3 7 | 12 50 | 2 30 | 5 47 | 2 24 | 11 20 | 1 12 | 20 31 | 1 33 | 14 52 | 0 22 | 8 23 | 1 49 | 24 50 | 13 31 | 11 28 | 11 3 | 6 6 | 19 0 | 4 6 | M11 |
| T 12 | 23 29 | 1 21 | 3 22 | 18 38 | 3 6 | 13 12 | 2 29 | 5 39 | 2 25 | 11 20 | 1 12 | 20 31 | 1 33 | 14 53 | 0 22 | 8 24 | 1 49 | 24 50 | 13 32 | 11 27 | 11 2 | 6 8 | 19 0 | 4 6 | T 12 |
| W13 | 23 31 | 2s34 | 2 30 | 18 40 | 3 3 | 13 34 | 2 29 | 5 30 | 2 26 | 11 20 | 1 12 | 20 30 | 1 33 | 14 54 | 0 22 | 8 24 | 1 50 | 24 51 | 13 32 | 11 27 | 11 1 | 6 10 | 19 1 | 4 7 | W13 |
| T 14 | 23 32 | 6 22 | 1 32 | 18 45 | 2 58 | 13 56 | 2 28 | 5 21 | 2 27 | 11 20 | 1 12 | 20 30 | 1 32 | 14 55 | 0 22 | 8 24 | 1 50 | 24 51 | 13 33 | 11 27 | 10 59 | 6 12 | 19 1 | 4 7 | T 14 |
| F 15 | 23 34 | 9 55 | 0 30 | 18 51 | 2 53 | 14 17 | 2 27 | 5 13 | 2 28 | 11 21 | 1 13 | 20 29 | 1 32 | 14 56 | 0 22 | 8 25 | 1 50 | 24 52 | 13 33 | 11 28 | 10 58 | 6 14 | 19 1 | 4 7 | F 15 |
| S 16 | 23 34 | 13 7 | 0n34 | 19 0 | 2 47 | 14 38 | 2 26 | 5 5 | 2 29 | 11 21 | 1 13 | 20 29 | 1 32 | 14 57 | 0 22 | 8 25 | 1 50 | 24 53 | 13 33 | 11 28 | 10 57 | 6 16 | 19 2 | 4 7 | S 16 |
| S 17 | 23 34 | 15 49 | 1 37 | 19 11 | 2 40 | 14 59 | 2 24 | 4 57 | 2 30 | 11 21 | 1 13 | 20 28 | 1 32 | 14 58 | 0 22 | 8 26 | 1 50 | 24 53 | 13 34 | 11 27 | 10 56 | 6 17 | 19 2 | 4 7 | S 17 |
| M18 | 23 34 | 17 50 | 2 37 | 19 24 | 2 33 | 15 20 | 2 23 | 4 48 | 2 31 | 11 22 | 1 14 | 20 28 | 1 32 | 14 59 | 0 22 | 8 26 | 1 50 | 24 54 | 13 34 | 11 25 | 10 55 | 6 19 | 19 2 | 4 7 | M18 |
| T 19 | 23 33 | 19 2 | 3 30 | 19 37 | 2 25 | 15 40 | 2 22 | 4 41 | 2 32 | 11 22 | 1 14 | 20 27 | 1 32 | 14 59 | 0 22 | 8 26 | 1 50 | 24 55 | 13 35 | 11 23 | 10 54 | 6 21 | 19 3 | 4 8 | T 19 |
| W20 | 23 32 | 19 17 | 4 14 | 19 52 | 2 16 | 16 0 | 2 20 | 4 33 | 2 33 | 11 23 | 1 14 | 20 27 | 1 32 | 15 0 | 0 22 | 8 27 | 1 50 | 24 55 | 13 35 | 11 19 | 10 53 | 6 23 | 19 3 | 4 8 | W20 |
| T 21 | 23 30 | 18 30 | 4 45 | 20 7 | 2 8 | 16 20 | 2 19 | 4 25 | 2 34 | 11 24 | 1 14 | 20 26 | 1 31 | 15 1 | 0 22 | 8 27 | 1 50 | 24 56 | 13 35 | 11 15 | 10 51 | 6 25 | 19 3 | 4 8 | T 21 |
| F 22 | 23 28 | 16 41 | 5 1 | 20 23 | 1 59 | 16 40 | 2 17 | 4 17 | 2 36 | 11 24 | 1 15 | 20 26 | 1 31 | 15 2 | 0 22 | 8 27 | 1 50 | 24 57 | 13 36 | 11 11 | 10 50 | 6 27 | 19 4 | 4 8 | F 22 |
| S 23 | 23 25 | 13 54 | 5 0 | 20 39 | 1 50 | 16 58 | 2 15 | 4 10 | 2 37 | 11 25 | 1 15 | 20 25 | 1 31 | 15 3 | 0 22 | 8 28 | 1 50 | 24 57 | 13 36 | 11 7 | 10 49 | 6 28 | 19 4 | 4 8 | S 23 |
| S 24 | 23 22 | 10 19 | 4 42 | 20 55 | 1 41 | 17 17 | 2 14 | 4 3 | 2 38 | 11 26 | 1 15 | 20 25 | 1 31 | 15 3 | 0 22 | 8 28 | 1 50 | 24 58 | 13 37 | 11 4 | 10 48 | 6 30 | 19 4 | 4 9 | S 24 |
| M25 | 23 18 | 6 9 | 4 6 | 21 11 | 1 32 | 17 35 | 2 12 | 3 56 | 2 39 | 11 27 | 1 16 | 20 24 | 1 31 | 15 4 | 0 22 | 8 28 | 1 50 | 24 59 | 13 37 | 11 1 | 10 47 | 6 32 | 19 4 | 4 9 | M25 |
| T 26 | 23 14 | 1 37 | 3 16 | 21 27 | 1 23 | 17 53 | 2 10 | 3 49 | 2 40 | 11 28 | 1 16 | 20 24 | 1 30 | 15 5 | 0 22 | 8 29 | 1 50 | 24 59 | 13 37 | 11 0 | 10 46 | 6 34 | 19 4 | 4 9 | T 26 |
| W27 | 23 9 | 3n 1 | 2 13 | 21 43 | 1 14 | 18 10 | 2 8 | 3 42 | 2 41 | 11 29 | 1 16 | 20 23 | 1 30 | 15 6 | 0 22 | 8 29 | 1 50 | 25 0 | 13 38 | 10 59 | 10 45 | 6 36 | 19 5 | 4 9 | W27 |
| T 28 | 23 4 | 7 30 | 1 3 | 21 58 | 1 5 | 18 27 | 2 6 | 3 35 | 2 43 | 11 30 | 1 16 | 20 23 | 1 30 | 15 6 | 0 22 | 8 29 | 1 50 | 25 1 | 13 38 | 10 59 | 10 43 | 6 37 | 19 5 | 4 10 | T 28 |
| F 29 | 22 58 | 11 34 | 0s11 | 22 13 | 0 56 | 18 44 | 2 3 | 3 29 | 2 44 | 11 32 | 1 17 | 20 23 | 1 30 | 15 7 | 0 22 | 8 29 | 1 50 | 25 1 | 13 39 | 10 59 | 10 42 | 6 39 | 19 5 | 4 10 | F 29 |
| S 30 | 22 52 | 14 59 | 1 25 | 22 28 | 0 47 | 19 0 | 2 1 | 3 22 | 2 45 | 11 33 | 1 17 | 20 22 | 1 30 | 15 8 | 0 22 | 8 30 | 1 51 | 25 2 | 13 39 | 10 59 | 10 41 | 6 41 | 19 5 | 4 10 | S 30 |
| S 31 | 22s46 | 17n30 | 2s33 | 22s41 | 0n38 | 19s15 | 1n59 | 3n16 | 2n46 | 11n34 | 1n17 | 20n22 | 1s29 | 15s 8 | 0n22 | 8s30 | 1n51 | 25n 3 | 13n39 | 10s58 | 10s40 | 6s43 | 19s 5 | 4n10 | S 31 |

Julian Day Number = 2076049.5, Delta T = 26m48s
Ecliptic obliquity = 23°34'12, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'43, Lahiri = 9°31'44 Julian Calendar 1 Dec. 971 == Greg. Calendar 6 Dec. 971


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## JANUARY 972 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 6 59 41 | 15♉35'50 | 12♊42 | 23♐12 | 5♐58 | 28♍28 | 3°R11 | 8°R25 | 11♏57 | 26♎20 | 27°R48 | 28°R18 | 27♎31 | 14♎16 | 20♐56 | M 1 |
| T 2 | 7 3 37 | 16°36'53 | 26°33 | 24°30 | 7°10 | 28°45 | 3♍ 7 | 8♊22 | 11°59 | 26°21 | 27♌47 | 28♎ 9 | 27°28 | 14°23 | 21° 2 | T 2 |
| W 3 | 7 7 34 | 17°37'55 | 10♋14 | 25°50 | 8°22 | 29° 2 | 3° 4 | 8°19 | 12° 1 | 26°22 | 27°46 | 27°57 | 27°25 | 14°29 | 21° 7 | W 3 |
| T 4 | 7 11 31 | 18°38'57 | 23°40 | 27°10 | 9°34 | 29°18 | 3° 0 | 8°16 | 12° 3 | 26°22 | 27°45 | 27°44 | 27°22 | 14°36 | 21°13 | T 4 |
| F 5 | 7 15 27 | 19°39'58 | 6♌50 | 28°32 | 10°47 | 29°34 | 2°56 | 8°13 | 12° 5 | 26°23 | 27°43 | 27°31 | 27°19 | 14°43 | 21°19 | F 5 |
| S 6 | 7 19 24 | 20°40'57 | 19°42 | 29°55 | 11°59 | 29°50 | 2°52 | 8°10 | 12° 7 | 26°24 | 27°42 | 27°18 | 27°15 | 14°49 | 21°25 | S 6 |
| S 7 | 7 23 20 | 21°41'56 | 2♍15 | 1♉18 | 13°12 | 0♎ 5 | 2°48 | 8° 7 | 12° 9 | 26°24 | 27°41 | 27° 8 | 27°12 | 14°56 | 21°31 | S 7 |
| M 8 | 7 27 17 | 22°42'55 | 14°31 | 2°43 | 14°24 | 0°20 | 2°43 | 8° 4 | 12°10 | 26°25 | 27°40 | 27° 0 | 27° 9 | 15° 3 | 21°37 | M 8 |
| T 9 | 7 31 13 | 23°43'52 | 26°34 | 4° 9 | 15°37 | 0°34 | 2°39 | 8° 1 | 12°12 | 26°25 | 27°39 | 26°55 | 27° 6 | 15° 9 | 21°42 | T 9 |
| W10 | 7 35 10 | 24°44'48 | 8♎26 | 5°35 | 16°50 | 0°47 | 2°34 | 7°59 | 12°14 | 26°26 | 27°37 | 26°53 | 27° 3 | 15°16 | 21°48 | W10 |
| T 11 | 7 39 6 | 25°45'44 | 20°14 | 7° 3 | 18° 2 | 1° 0 | 2°29 | 7°56 | 12°16 | 26°26 | 27°36 | 26°52 | 27° 0 | 15°22 | 21°54 | T 11 |
| F 12 | 7 43 3 | 26°46'39 | 2♏ 3 | 8°31 | 19°15 | 1°13 | 2°24 | 7°54 | 12°17 | 26°27 | 27°35 | 26°52 | 26°56 | 15°29 | 21°59 | F 12 |
| S 13 | 7 47 0 | 27°47'33 | 13°58 | 10° 0 | 20°28 | 1°25 | 2°18 | 7°51 | 12°19 | 26°27 | 27°34 | 26°52 | 26°53 | 15°36 | 22° 5 | S 13 |
| S 14 | 7 50 56 | 28°48'26 | 26° 4 | 11°30 | 21°41 | 1°37 | 2°13 | 7°49 | 12°20 | 26°27 | 27°32 | 26°49 | 26°50 | 15°42 | 22°10 | S 14 |
| M15 | 7 54 53 | 29°49'19 | 8♐28 | 13° 0 | 22°53 | 1°48 | 2° 8 | 7°47 | 12°22 | 26°27 | 27°31 | 26°45 | 26°47 | 15°49 | 22°16 | M15 |
| T 16 | 7 58 49 | 0♒50'10 | 21°12 | 14°32 | 24° 6 | 1°58 | 2° 2 | 7°45 | 12°23 | 26°28 | 27°30 | 26°37 | 26°44 | 15°56 | 22°21 | T 16 |
| W17 | 8 2 46 | 1°51'00 | 4♉18 | 16° 4 | 25°19 | 2° 8 | 1°56 | 7°43 | 12°25 | 26°28 | 27°28 | 26°27 | 26°40 | 16° 2 | 22°27 | W17 |
| T 18 | 8 6 42 | 2°51'49 | 17°48 | 17°37 | 26°32 | 2°17 | 1°50 | 7°41 | 12°26 | 26°28 | 27°27 | 26°15 | 26°37 | 16° 9 | 22°32 | T 18 |
| F 19 | 8 10 39 | 3°52'37 | 1♒39 | 19°11 | 27°45 | 2°25 | 1°44 | 7°40 | 12°27 | 26°28 | 27°25 | 26° 2 | 26°34 | 16°16 | 22°37 | F 19 |
| S 20 | 8 14 35 | 4°53'23 | 15°47 | 20°46 | 28°58 | 2°33 | 1°38 | 7°38 | 12°28 | 26°28 | 27°24 | 25°50 | 26°31 | 16°22 | 22°43 | S 20 |
| S 21 | 8 18 32 | 5°54'08 | 0♓ 6 | 22°21 | 0♉11 | 2°41 | 1°31 | 7°37 | 12°30 | 26°28 | 27°23 | 25°39 | 26°28 | 16°29 | 22°48 | S 21 |
| M22 | 8 22 29 | 6°54'52 | 14°31 | 23°57 | 1°24 | 2°48 | 1°25 | 7°35 | 12°31 | 26°28 | 27°21 | 25°31 | 26°25 | 16°36 | 22°53 | M22 |
| T 23 | 8 26 25 | 7°55'33 | 28°56 | 25°34 | 2°37 | 2°54 | 1°18 | 7°34 | 12°32 | 26°R28 | 27°20 | 25°26 | 26°21 | 16°42 | 22°58 | T 23 |
| W24 | 8 30 22 | 8°56'13 | 13♈16 | 27°12 | 3°50 | 2°59 | 1°11 | 7°33 | 12°33 | 26°28 | 27°18 | 25°24 | 26°18 | 16°49 | 23° 3 | W24 |
| T 25 | 8 34 18 | 9°56'51 | 27°29 | 28°51 | 5° 4 | 3° 4 | 1° 5 | 7°32 | 12°34 | 26°28 | 27°17 | 25°D24 | 26°15 | 16°56 | 23° 8 | T 25 |
| F 26 | 8 38 15 | 10°57'28 | 11♉32 | 0♒30 | 6°17 | 3° 8 | 0°58 | 7°31 | 12°35 | 26°28 | 27°15 | 25°R24 | 26°12 | 17° 2 | 23°13 | F 26 |
| S 27 | 8 42 11 | 11°58'02 | 25°27 | 2°11 | 7°30 | 3°11 | 0°51 | 7°30 | 12°35 | 26°28 | 27°14 | 25°23 | 26° 9 | 17° 9 | 23°18 | S 27 |
| S 28 | 8 46 8 | 12°58'35 | 9♊12 | 3°52 | 8°43 | 3°14 | 0°44 | 7°29 | 12°36 | 26°28 | 27°12 | 25°20 | 26° 6 | 17°15 | 23°23 | S 28 |
| M29 | 8 50 4 | 13°59'06 | 22°48 | 5°34 | 9°56 | 3°16 | 0°36 | 7°29 | 12°37 | 26°28 | 27°11 | 25°15 | 26° 2 | 17°22 | 23°27 | M29 |
| T 30 | 8 54 1 | 14°59'35 | 6♋13 | 7°17 | 11°10 | 3°17 | 0°29 | 7°28 | 12°38 | 26°28 | 27° 9 | 25° 7 | 25°59 | 17°29 | 23°32 | T 30 |
| W31 | 8 57 58 | 16♒ 0'02 | 19♋29 | 9♒ 1 | 12♉23 | 3°R18 | 0♍22 | 7♊28 | 12♏38 | 26♎27 | 27♌ 8 | 24♎57 | 25♎56 | 17♎35 | 23♐37 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 22s39 | 18n57 | 3s31 | 22s54 | 0n29 | 19s31 | 1n56 | 3n10 | 2n47 | 11n36 | 1n17 | 20n22 | 1s29 | 15s 9 | 0n22 | 8s30 | 1n51 | 25n 4 | 13n40 | 10s56 | 10s39 | 6s45 | 19s 5 | 4n11 | |
| T 2 | 22 32 | 19 15 | 4 17 | 23 6 | 0 21 | 19 45 | 1 54 | 3 4 | 2 48 | 11 37 | 1 18 | 20 21 | 1 29 | 15 10 | 0 22 | 8 30 | 1 51 | 25 4 | 13 40 | 10 52 | 10 38 | 6 46 | 19 6 | 4 11 | |
| W 3 | 22 24 | 18 25 | 4 47 | 23 18 | 0 13 | 19 59 | 1 51 | 2 59 | 2 50 | 11 39 | 1 18 | 20 21 | 1 29 | 15 10 | 0 22 | 8 30 | 1 51 | 25 5 | 13 40 | 10 48 | 10 37 | 6 48 | 19 6 | 4 11 | |
| T 4 | 22 16 | 16 34 | 5 0 | 23 28 | 0 4 | 20 13 | 1 49 | 2 53 | 2 51 | 11 40 | 1 18 | 20 21 | 1 29 | 15 11 | 0 22 | 8 31 | 1 51 | 25 6 | 13 41 | 10 43 | 10 35 | 6 50 | 19 6 | 4 11 | |
| F 5 | 22 7 | 13 53 | 4 57 | 23 37 | 0s 4 | 20 26 | 1 46 | 2 48 | 2 52 | 11 42 | 1 19 | 20 20 | 1 28 | 15 11 | 0 22 | 8 31 | 1 51 | 25 6 | 13 41 | 10 39 | 10 34 | 6 52 | 19 6 | 4 12 | |
| S 6 | 21 58 | 10 35 | 4 38 | 23 46 | 0 12 | 20 38 | 1 44 | 2 43 | 2 53 | 11 44 | 1 19 | 20 20 | 1 28 | 15 12 | 0 22 | 8 31 | 1 51 | 25 7 | 13 41 | 10 34 | 10 33 | 6 54 | 19 6 | 4 12 | |
| S 7 | 21 49 | 6 53 | 4 7 | 23 53 | 0 19 | 20 50 | 1 41 | 2 38 | 2 55 | 11 46 | 1 19 | 20 20 | 1 28 | 15 13 | 0 22 | 8 31 | 1 51 | 25 8 | 13 42 | 10 30 | 10 32 | 6 55 | 19 6 | 4 12 | |
| M 8 | 21 39 | 2 59 | 3 24 | 23 59 | 0 27 | 21 2 | 1 38 | 2 33 | 2 56 | 11 48 | 1 19 | 20 20 | 1 28 | 15 13 | 0 22 | 8 31 | 1 51 | 25 9 | 13 42 | 10 28 | 10 31 | 6 57 | 19 6 | 4 13 | |
| T 9 | 21 28 | 0s58 | 2 33 | 24 4 | 0 34 | 21 12 | 1 35 | 2 29 | 2 57 | 11 49 | 1 20 | 20 19 | 1 28 | 15 14 | 0 22 | 8 31 | 1 51 | 25 9 | 13 42 | 10 26 | 10 30 | 6 59 | 19 6 | 4 13 | |
| W10 | 21 18 | 4 50 | 1 36 | 24 8 | 0 41 | 21 23 | 1 33 | 2 24 | 2 58 | 11 51 | 1 20 | 20 19 | 1 27 | 15 14 | 0 22 | 8 31 | 1 51 | 25 10 | 13 43 | 10 25 | 10 29 | 7 1 | 19 6 | 4 13 | |
| T 11 | 21 6 | 8 29 | 0 35 | 24 11 | 0 48 | 21 32 | 1 30 | 2 20 | 2 59 | 11 53 | 1 20 | 20 19 | 1 27 | 15 15 | 0 22 | 8 32 | 1 51 | 25 11 | 13 43 | 10 25 | 10 27 | 7 3 | 19 6 | 4 13 | |
| F 12 | 20 55 | 11 49 | 0n27 | 24 12 | 0 54 | 21 41 | 1 27 | 2 16 | 3 1 | 11 56 | 1 20 | 20 19 | 1 27 | 15 15 | 0 22 | 8 32 | 1 51 | 25 12 | 13 43 | 10 25 | 10 26 | 7 4 | 19 6 | 4 14 | |
| S 13 | 20 43 | 14 42 | 1 29 | 24 12 | 1 1 | 21 50 | 1 24 | 2 13 | 3 2 | 11 58 | 1 21 | 20 19 | 1 27 | 15 16 | 0 22 | 8 32 | 1 51 | 25 12 | 13 44 | 10 24 | 10 25 | 7 6 | 19 6 | 4 14 | |
| S 14 | 20 31 | 16 59 | 2 28 | 24 11 | 1 7 | 21 58 | 1 21 | 2 9 | 3 3 | 12 0 | 1 21 | 20 19 | 1 27 | 15 16 | 0 22 | 8 32 | 1 51 | 25 13 | 13 44 | 10 24 | 10 24 | 7 8 | 19 6 | 4 14 | |
| M15 | 20 18 | 18 31 | 3 21 | 24 8 | 1 13 | 22 5 | 1 18 | 2 6 | 3 4 | 12 2 | 1 21 | 20 18 | 1 26 | 15 17 | 0 22 | 8 32 | 1 52 | 25 14 | 13 44 | 10 22 | 10 23 | 7 10 | 19 6 | 4 15 | |
| T 16 | 20 5 | 19 11 | 4 6 | 24 4 | 1 18 | 22 11 | 1 15 | 2 3 | 3 6 | 12 4 | 1 21 | 20 18 | 1 26 | 15 17 | 0 22 | 8 32 | 1 52 | 25 15 | 13 44 | 10 19 | 10 22 | 7 11 | 19 6 | 4 15 | |
| W17 | 19 51 | 18 51 | 4 39 | 23 59 | 1 24 | 22 17 | 1 12 | 2 0 | 3 7 | 12 7 | 1 21 | 20 18 | 1 26 | 15 17 | 0 22 | 8 32 | 1 52 | 25 15 | 13 45 | 10 16 | 10 20 | 7 13 | 19 6 | 4 15 | |
| T 18 | 19 38 | 17 28 | 4 57 | 23 52 | 1 29 | 22 23 | 1 9 | 1 58 | 3 8 | 12 9 | 1 22 | 20 18 | 1 26 | 15 18 | 0 22 | 8 32 | 1 52 | 25 16 | 13 45 | 10 11 | 10 19 | 7 15 | 19 6 | 4 16 | |
| F 19 | 19 23 | 15 2 | 4 59 | 23 44 | 1 33 | 22 27 | 1 6 | 1 56 | 3 9 | 12 11 | 1 22 | 20 18 | 1 25 | 15 18 | 0 22 | 8 32 | 1 52 | 25 17 | 13 45 | 10 7 | 10 18 | 7 17 | 19 6 | 4 16 | |
| S 20 | 19 9 | 11 41 | 4 43 | 23 34 | 1 38 | 22 31 | 1 3 | 1 53 | 3 11 | 12 14 | 1 22 | 20 18 | 1 25 | 15 19 | 0 22 | 8 32 | 1 52 | 25 17 | 13 45 | 10 2 | 10 17 | 7 19 | 19 6 | 4 16 | |
| S 21 | 18 54 | 7 37 | 4 9 | 23 23 | 1 42 | 22 35 | 0 59 | 1 52 | 3 12 | 12 16 | 1 22 | 20 18 | 1 25 | 15 19 | 0 22 | 8 32 | 1 52 | 25 18 | 13 46 | 9 58 | 10 16 | 7 20 | 19 6 | 4 17 | |
| M22 | 18 39 | 3 5 | 3 18 | 23 10 | 1 46 | 22 38 | 0 56 | 1 50 | 3 13 | 12 19 | 1 22 | 20 18 | 1 25 | 15 19 | 0 22 | 8 32 | 1 52 | 25 19 | 13 46 | 9 55 | 10 15 | 7 22 | 19 6 | 4 17 | |
| T 23 | 18 23 | 1n38 | 2 15 | 22 56 | 1 49 | 22 40 | 0 53 | 1 49 | 3 14 | 12 21 | 1 23 | 20 18 | 1 24 | 15 20 | 0 22 | 8 32 | 1 52 | 25 20 | 13 46 | 9 53 | 10 14 | 7 24 | 19 6 | 4 18 | |
| W24 | 18 7 | 6 15 | 1 4 | 22 40 | 1 53 | 22 41 | 0 50 | 1 48 | 3 16 | 12 24 | 1 23 | 20 18 | 1 24 | 15 20 | 0 22 | 8 32 | 1 52 | 25 20 | 13 46 | 9 53 | 10 12 | 7 26 | 19 6 | 4 18 | |
| T 25 | 17 51 | 10 28 | 0s11 | 22 23 | 1 55 | 22 42 | 0 47 | 1 47 | 3 17 | 12 27 | 1 23 | 20 18 | 1 24 | 15 20 | 0 23 | 8 32 | 1 52 | 25 21 | 13 47 | 9 52 | 10 11 | 7 27 | 19 6 | 4 18 | |
| F 26 | 17 35 | 14 2 | 1 25 | 22 4 | 1 58 | 22 42 | 0 44 | 1 46 | 3 18 | 12 29 | 1 23 | 20 18 | 1 24 | 15 20 | 0 23 | 8 31 | 1 52 | 25 22 | 13 47 | 9 52 | 10 10 | 7 29 | 19 5 | 4 19 | |
| S 27 | 17 18 | 16 46 | 2 32 | 21 44 | 2 0 | 22 41 | 0 40 | 1 46 | 3 19 | 12 32 | 1 23 | 20 18 | 1 23 | 15 21 | 0 23 | 8 31 | 1 52 | 25 23 | 13 47 | 9 52 | 10 9 | 7 31 | 19 5 | 4 19 | |
| S 28 | 17 1 | 18 29 | 3 30 | 21 22 | 2 2 | 22 40 | 0 37 | 1 46 | 3 20 | 12 35 | 1 24 | 20 19 | 1 23 | 15 21 | 0 23 | 8 31 | 1 52 | 25 23 | 13 47 | 9 51 | 10 8 | 7 33 | 19 5 | 4 19 | |
| M29 | 16 43 | 19 7 | 4 16 | 20 58 | 2 3 | 22 38 | 0 34 | 1 47 | 3 22 | 12 37 | 1 24 | 20 19 | 1 23 | 15 21 | 0 23 | 8 31 | 1 52 | 25 24 | 13 47 | 9 49 | 10 7 | 7 34 | 19 5 | 4 20 | |
| T 30 | 16 26 | 18 39 | 4 46 | 20 33 | 2 4 | 22 35 | 0 31 | 1 47 | 3 23 | 12 40 | 1 24 | 20 19 | 1 23 | 15 21 | 0 23 | 8 31 | 1 53 | 25 25 | 13 47 | 9 46 | 10 5 | 7 36 | 19 5 | 4 20 | |
| W31 | 16s 8 | 17n11 | 5s 1 | 20s 6 | 2s 5 | 22s32 | 0n28 | 1n48 | 3n24 | 12n43 | 1n24 | 20n19 | 1s23 | 15s21 | 0n23 | 8s31 | 1n53 | 25n25 | 13n48 | 9s43 | 10s 4 | 7s38 | 19s 5 | 4n21 | |

Julian Day Number = 2076080.5, Delta T = 26m48s
Ecliptic obliquity = 23°34'12, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'47, Lahiri = 9°31'48 Julian Calendar 1 Jan. 972 == Greg. Calendar 6 Jan. 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## FEBRUARY 972 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 1 54 | 17♒ 0'27 | 2♌32 | 10♒46 | 13♉36 | 3°R17 | 0°R14 | 7°R28 | 12♏39 | 26°R27 | 27°R 6 | 24°R45 | 25♎53 | 17♎42 | 23♐41 | T 1 |
| F 2 | 9 5 51 | 18° 0'50 | 15°22 | 12°32 | 14°49 | 3♎17 | 0♍ 7 | 7♊28 | 12°39 | 26♎27 | 27♌ 5 | 24♎32 | 25°50 | 17°49 | 23°46 | F 2 |
| S 3 | 9 9 47 | 19° 1'12 | 27°58 | 14°19 | 16° 3 | 3°15 | 29♌59 | 7°D28 | 12°40 | 26°26 | 27° 3 | 24°21 | 25°46 | 17°55 | 23°50 | S 3 |
| S 4 | 9 13 44 | 20° 1'32 | 10♍21 | 16° 7 | 17°16 | 3°12 | 29°52 | 7°28 | 12°40 | 26°26 | 27° 2 | 24°11 | 25°43 | 18° 2 | 23°55 | S 4 |
| M 5 | 9 17 40 | 21° 1'50 | 22°31 | 17°56 | 18°29 | 3° 9 | 29°44 | 7°28 | 12°41 | 26°26 | 27° 0 | 24° 4 | 25°40 | 18° 9 | 23°59 | M 5 |
| T 6 | 9 21 37 | 22° 2'07 | 4♎30 | 19°46 | 19°43 | 3° 5 | 29°36 | 7°28 | 12°41 | 26°25 | 26°59 | 23°59 | 25°37 | 18°15 | 24° 3 | T 6 |
| W 7 | 9 25 33 | 23° 2'22 | 16°21 | 21°37 | 20°56 | 3° 1 | 29°29 | 7°29 | 12°41 | 26°25 | 26°57 | 23°57 | 25°34 | 18°22 | 24° 8 | W 7 |
| T 8 | 9 29 30 | 24° 2'36 | 28° 8 | 23°28 | 22°10 | 2°55 | 29°21 | 7°29 | 12°41 | 26°24 | 26°55 | 23°D57 | 25°31 | 18°29 | 24°12 | T 8 |
| F 9 | 9 33 27 | 25° 2'48 | 9♏56 | 25°21 | 23°23 | 2°49 | 29°13 | 7°30 | 12°41 | 26°24 | 26°54 | 23°58 | 25°27 | 18°35 | 24°16 | F 9 |
| S 10 | 9 37 23 | 26° 2'58 | 21°50 | 27°14 | 24°36 | 2°42 | 29° 5 | 7°31 | 12°42 | 26°23 | 26°52 | 23°R59 | 25°24 | 18°42 | 24°20 | S 10 |
| S 11 | 9 41 20 | 27° 3'07 | 3♐56 | 29° 9 | 25°50 | 2°34 | 28°57 | 7°32 | 12°R42 | 26°22 | 26°51 | 23°58 | 25°21 | 18°48 | 24°24 | S 11 |
| M12 | 9 45 16 | 28° 3'14 | 16°18 | 1♓ 4 | 27° 3 | 2°25 | 28°50 | 7°33 | 12°42 | 26°22 | 26°49 | 23°57 | 25°18 | 18°55 | 24°28 | M12 |
| T 13 | 9 49 13 | 29° 3'19 | 29° 2 | 2°59 | 28°17 | 2°16 | 28°42 | 7°34 | 12°41 | 26°21 | 26°48 | 23°53 | 25°15 | 19° 2 | 24°31 | T 13 |
| W14 | 9 53 9 | 0♓ 3'23 | 12♉10 | 4°56 | 29°30 | 2° 6 | 28°34 | 7°35 | 12°41 | 26°20 | 26°46 | 23°46 | 25°12 | 19° 8 | 24°35 | W14 |
| T 15 | 9 57 6 | 1° 3'25 | 25°46 | 6°52 | 0♒44 | 1°55 | 28°26 | 7°37 | 12°41 | 26°20 | 26°45 | 23°39 | 25° 8 | 19°15 | 24°39 | T 15 |
| F 16 | 10 1 2 | 2° 3'26 | 9♒47 | 8°49 | 1°57 | 1°43 | 28°18 | 7°38 | 12°41 | 26°19 | 26°43 | 23°30 | 25° 5 | 19°22 | 24°42 | F 16 |
| S 17 | 10 4 59 | 3° 3'24 | 24°11 | 10°46 | 3°11 | 1°31 | 28°10 | 7°40 | 12°41 | 26°18 | 26°41 | 23°21 | 25° 2 | 19°28 | 24°46 | S 17 |
| S 18 | 10 8 56 | 4° 3'20 | 8♓52 | 12°43 | 4°24 | 1°18 | 28° 3 | 7°41 | 12°40 | 26°17 | 26°40 | 23°14 | 24°59 | 19°35 | 24°49 | S 18 |
| M19 | 10 12 52 | 5° 3'15 | 23°41 | 14°39 | 5°38 | 1° 4 | 27°55 | 7°43 | 12°40 | 26°16 | 26°38 | 23° 9 | 24°56 | 19°42 | 24°53 | M19 |
| T 20 | 10 16 49 | 6° 3'07 | 8♈32 | 16°35 | 6°51 | 0°49 | 27°47 | 7°45 | 12°39 | 26°15 | 26°37 | 23° 6 | 24°52 | 19°48 | 24°56 | T 20 |
| W21 | 10 20 45 | 7° 2'57 | 23°16 | 18°30 | 8° 5 | 0°33 | 27°39 | 7°47 | 12°39 | 26°15 | 26°35 | 23°D 5 | 24°49 | 19°55 | 24°59 | W21 |
| T 22 | 10 24 42 | 8° 2'45 | 7♉48 | 20°23 | 9°19 | 0°17 | 27°32 | 7°49 | 12°38 | 26°14 | 26°34 | 23° 6 | 24°46 | 20° 2 | 25° 2 | T 22 |
| F 23 | 10 28 38 | 9° 2'31 | 22° 5 | 22°15 | 10°32 | 0° 1 | 27°24 | 7°51 | 12°38 | 26°13 | 26°32 | 23° 7 | 24°43 | 20° 8 | 25° 5 | F 23 |
| S 24 | 10 32 35 | 10° 2'14 | 6♊ 4 | 24° 4 | 11°46 | 29♍43 | 27°17 | 7°54 | 12°37 | 26°12 | 26°31 | 23°R 8 | 24°40 | 20°15 | 25° 8 | S 24 |
| S 25 | 10 36 31 | 11° 1'55 | 19°46 | 25°51 | 12°59 | 29°25 | 27° 9 | 7°56 | 12°36 | 26°11 | 26°29 | 23° 7 | 24°37 | 20°22 | 25°11 | S 25 |
| M26 | 10 40 28 | 12° 1'34 | 3♋11 | 27°34 | 14°13 | 29° 7 | 27° 2 | 7°59 | 12°36 | 26°10 | 26°28 | 23° 5 | 24°33 | 20°28 | 25°14 | M26 |
| T 27 | 10 44 25 | 13° 1'10 | 16°20 | 29°14 | 15°26 | 28°48 | 26°54 | 8° 1 | 12°35 | 26° 9 | 26°26 | 23° 2 | 24°30 | 20°35 | 25°17 | T 27 |
| W28 | 10 48 21 | 14° 0'44 | 29°16 | 0♈50 | 16°40 | 28°28 | 26°47 | 8° 4 | 12°34 | 26° 7 | 26°25 | 22°56 | 24°27 | 20°41 | 25°19 | W28 |
| T 29 | 10 52 18 | 15♓ 0'16 | 11♌58 | 2♈21 | 17♒53 | 28♍ 8 | 26♌40 | 8♊ 7 | 12♏33 | 26♎ 6 | 26♌23 | 22♎50 | 24♎24 | 20♎48 | 25♐22 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 15s49 | 14n50 | 5s 0 | 19s38 | 2s 5 | 22s28 | 0n24 | 1n49 | 3n25 | 12n46 | 1n24 | 20n19 | 1s22 | 15s22 | 0n23 | 8s31 | 1n53 | 25n26 | 13n48 | 9s38 | 10s 3 | 7s40 | 19s 4 | 4n21 | T 1 |
| F 2 | 15 31 | 11 49 | 4 43 | 19 7 | 2 5 | 22 23 | 0 21 | 1 50 | 3 26 | 12 48 | 1 24 | 20 20 | 1 22 | 15 22 | 0 23 | 8 30 | 1 53 | 25 27 | 13 48 | 9 34 | 10 2 | 7 41 | 19 4 | 4 21 | F 2 |
| S 3 | 15 12 | 8 17 | 4 13 | 18 36 | 2 4 | 22 18 | 0 18 | 1 52 | 3 27 | 12 51 | 1 24 | 20 20 | 1 22 | 15 22 | 0 23 | 8 30 | 1 53 | 25 27 | 13 48 | 9 29 | 10 1 | 7 43 | 19 4 | 4 22 | S 3 |
| S 4 | 14 53 | 4 29 | 3 31 | 18 2 | 2 3 | 22 12 | 0 15 | 1 54 | 3 28 | 12 54 | 1 25 | 20 20 | 1 22 | 15 22 | 0 23 | 8 30 | 1 53 | 25 28 | 13 48 | 9 26 | 10 0 | 7 45 | 19 4 | 4 22 | S 4 |
| M 5 | 14 34 | 0 33 | 2 40 | 17 27 | 2 1 | 22 5 | 0 12 | 1 56 | 3 29 | 12 57 | 1 25 | 20 20 | 1 21 | 15 22 | 0 23 | 8 30 | 1 53 | 25 29 | 13 48 | 9 23 | 9 58 | 7 47 | 19 4 | 4 23 | M 5 |
| T 6 | 14 14 | 3s22 | 1 42 | 16 51 | 1 59 | 21 58 | 0 9 | 1 58 | 3 30 | 13 0 | 1 25 | 20 21 | 1 21 | 15 22 | 0 23 | 8 30 | 1 53 | 25 29 | 13 48 | 9 21 | 9 57 | 7 48 | 19 3 | 4 23 | T 6 |
| W 7 | 13 55 | 7 5 | 0 41 | 16 12 | 1 56 | 21 50 | 0 6 | 2 1 | 3 31 | 13 3 | 1 25 | 20 21 | 1 21 | 15 22 | 0 23 | 8 29 | 1 53 | 25 30 | 13 49 | 9 21 | 9 56 | 7 50 | 19 3 | 4 24 | W 7 |
| T 8 | 13 35 | 10 31 | 0n22 | 15 32 | 1 53 | 21 42 | 0 3 | 2 4 | 3 32 | 13 5 | 1 25 | 20 21 | 1 21 | 15 22 | 0 23 | 8 29 | 1 53 | 25 31 | 13 49 | 9 21 | 9 55 | 7 52 | 19 3 | 4 24 | T 8 |
| F 9 | 13 15 | 13 32 | 1 25 | 14 51 | 1 49 | 21 32 | 0s 0 | 2 8 | 3 33 | 13 8 | 1 25 | 20 22 | 1 20 | 15 22 | 0 23 | 8 29 | 1 53 | 25 31 | 13 49 | 9 21 | 9 54 | 7 54 | 19 2 | 4 24 | F 9 |
| S 10 | 12 54 | 16 0 | 2 24 | 14 8 | 1 44 | 21 22 | 0 3 | 2 11 | 3 34 | 13 11 | 1 25 | 20 22 | 1 20 | 15 22 | 0 23 | 8 29 | 1 53 | 25 32 | 13 49 | 9 21 | 9 53 | 7 55 | 19 2 | 4 25 | S 10 |
| S 11 | 12 34 | 17 49 | 3 18 | 13 23 | 1 39 | 21 12 | 0 6 | 2 15 | 3 35 | 13 14 | 1 25 | 20 22 | 1 20 | 15 22 | 0 23 | 8 28 | 1 53 | 25 33 | 13 49 | 9 21 | 9 51 | 7 57 | 19 2 | 4 25 | S 11 |
| M12 | 12 13 | 18 49 | 4 4 | 12 37 | 1 34 | 21 1 | 0 9 | 2 19 | 3 35 | 13 17 | 1 25 | 20 23 | 1 20 | 15 22 | 0 23 | 8 28 | 1 53 | 25 33 | 13 49 | 9 20 | 9 50 | 7 59 | 19 2 | 4 26 | M12 |
| T 13 | 11 52 | 18 55 | 4 39 | 11 50 | 1 28 | 20 49 | 0 12 | 2 24 | 3 36 | 13 20 | 1 25 | 20 23 | 1 19 | 15 22 | 0 23 | 8 28 | 1 53 | 25 34 | 13 49 | 9 19 | 9 49 | 8 0 | 19 1 | 4 26 | T 13 |
| W14 | 11 31 | 18 1 | 5 1 | 11 1 | 1 21 | 20 37 | 0 15 | 2 28 | 3 37 | 13 22 | 1 26 | 20 24 | 1 19 | 15 22 | 0 23 | 8 27 | 1 53 | 25 35 | 13 49 | 9 17 | 9 48 | 8 2 | 19 1 | 4 27 | W14 |
| T 15 | 11 9 | 16 5 | 5 7 | 10 11 | 1 14 | 20 24 | 0 18 | 2 33 | 3 37 | 13 25 | 1 26 | 20 24 | 1 19 | 15 22 | 0 23 | 8 27 | 1 53 | 25 35 | 13 49 | 9 14 | 9 47 | 8 4 | 19 1 | 4 27 | T 15 |
| F 16 | 10 48 | 13 10 | 4 55 | 9 19 | 1 6 | 20 10 | 0 21 | 2 38 | 3 38 | 13 28 | 1 26 | 20 24 | 1 19 | 15 22 | 0 23 | 8 27 | 1 54 | 25 36 | 13 49 | 9 10 | 9 46 | 8 6 | 19 0 | 4 28 | F 16 |
| S 17 | 10 26 | 9 23 | 4 24 | 8 27 | 0 57 | 19 56 | 0 24 | 2 44 | 3 38 | 13 31 | 1 26 | 20 25 | 1 19 | 15 22 | 0 23 | 8 26 | 1 54 | 25 36 | 13 49 | 9 7 | 9 44 | 8 7 | 19 0 | 4 28 | S 17 |
| S 18 | 10 5 | 4 58 | 3 36 | 7 34 | 0 48 | 19 41 | 0 26 | 2 50 | 3 39 | 13 34 | 1 26 | 20 25 | 1 18 | 15 22 | 0 23 | 8 26 | 1 54 | 25 37 | 13 49 | 9 5 | 9 43 | 8 9 | 19 0 | 4 29 | S 18 |
| M19 | 9 43 | 0 12 | 2 32 | 6 40 | 0 38 | 19 26 | 0 29 | 2 55 | 3 39 | 13 36 | 1 26 | 20 26 | 1 18 | 15 22 | 0 23 | 8 26 | 1 54 | 25 37 | 13 49 | 9 3 | 9 42 | 8 11 | 18 59 | 4 29 | M19 |
| T 20 | 9 20 | 4n36 | 1 18 | 5 45 | 0 28 | 19 10 | 0 32 | 3 2 | 3 39 | 13 39 | 1 26 | 20 27 | 1 18 | 15 22 | 0 23 | 8 25 | 1 54 | 25 38 | 13 49 | 9 1 | 9 41 | 8 12 | 18 59 | 4 30 | T 20 |
| W21 | 8 58 | 9 4 | 0s 1 | 4 50 | 0 17 | 18 54 | 0 34 | 3 8 | 3 40 | 13 42 | 1 26 | 20 27 | 1 18 | 15 21 | 0 23 | 8 25 | 1 54 | 25 39 | 13 49 | 9 1 | 9 40 | 8 14 | 18 59 | 4 30 | W21 |
| T 22 | 8 36 | 12 57 | 1 19 | 3 55 | 0 6 | 18 37 | 0 37 | 3 15 | 3 40 | 13 44 | 1 26 | 20 28 | 1 17 | 15 21 | 0 23 | 8 25 | 1 54 | 25 39 | 13 49 | 9 1 | 9 39 | 8 16 | 18 58 | 4 31 | T 22 |
| F 23 | 8 13 | 15 58 | 2 31 | 3 0 | 0n 6 | 18 20 | 0 39 | 3 21 | 3 40 | 13 47 | 1 26 | 20 28 | 1 17 | 15 21 | 0 23 | 8 24 | 1 54 | 25 40 | 13 49 | 9 2 | 9 37 | 8 18 | 18 58 | 4 31 | F 23 |
| S 24 | 7 51 | 17 58 | 3 32 | 2 6 | 0 18 | 18 2 | 0 42 | 3 28 | 3 40 | 13 50 | 1 26 | 20 29 | 1 17 | 15 21 | 0 23 | 8 24 | 1 54 | 25 40 | 13 49 | 9 2 | 9 36 | 8 19 | 18 57 | 4 32 | S 24 |
| S 25 | 7 28 | 18 52 | 4 20 | 1 12 | 0 30 | 17 43 | 0 44 | 3 35 | 3 40 | 13 52 | 1 26 | 20 29 | 1 17 | 15 21 | 0 23 | 8 23 | 1 54 | 25 41 | 13 49 | 9 2 | 9 35 | 8 21 | 18 57 | 4 32 | S 25 |
| M26 | 7 5 | 18 40 | 4 52 | 0 19 | 0 43 | 17 24 | 0 47 | 3 43 | 3 40 | 13 55 | 1 26 | 20 30 | 1 16 | 15 20 | 0 23 | 8 23 | 1 54 | 25 41 | 13 49 | 9 1 | 9 34 | 8 23 | 18 57 | 4 32 | M26 |
| T 27 | 6 42 | 17 28 | 5 8 | 0n33 | 0 56 | 17 5 | 0 49 | 3 50 | 3 40 | 13 57 | 1 26 | 20 31 | 1 16 | 15 20 | 0 23 | 8 23 | 1 54 | 25 42 | 13 49 | 9 0 | 9 33 | 8 24 | 18 56 | 4 33 | T 27 |
| W28 | 6 19 | 15 23 | 5 8 | 1 23 | 1 9 | 16 45 | 0 51 | 3 58 | 3 39 | 14 0 | 1 26 | 20 31 | 1 16 | 15 20 | 0 23 | 8 22 | 1 54 | 25 42 | 13 49 | 8 58 | 9 32 | 8 26 | 18 56 | 4 34 | W28 |
| T 29 | 5s56 | 12n36 | 4s53 | 2n11 | 1n22 | 16s24 | 0s54 | 4n 5 | 3n39 | 14n 2 | 1n26 | 20n32 | 1s16 | 15s19 | 0n23 | 8s22 | 1n54 | 25n43 | 13n49 | 8s55 | 9s30 | 8s28 | 18s55 | 4n34 | T 29 |

Julian Day Number = 2076111.5, Delta T = 26m47s
Ecliptic obliquity = 23°34'12, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'52, Lahiri = 9°31'52 Julian Calendar 1 Feb. 972 == Greg. Calendar 6 Feb. 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## MARCH 972 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 56 14 | 15♓59'45 | 24♌28 | 3♈47 | 19♒ 7 | 27°R47 | 26°R33 | 8♊10 | 12°R32 | 26°R 5 | 26°R22 | 22°R43 | 24♎21 | 20♎55 | 25♐24 | F 1 |
| S 2 | 11 0 11 | 16°59'12 | 6♍48 | 5° 8 | 20°21 | 27♍26 | 26♌26 | 8°13 | 12♏31 | 26♎ 4 | 26♌20 | 22♎36 | 24°17 | 21° 1 | 25°27 | S 2 |
| S 3 | 11 4 7 | 17°58'37 | 18°57 | 6°23 | 21°34 | 27° 5 | 26°19 | 8°16 | 12°30 | 26° 3 | 26°19 | 22°31 | 24°14 | 21° 8 | 25°29 | S 3 |
| M 4 | 11 8 4 | 18°58'00 | 0♎57 | 7°32 | 22°48 | 26°43 | 26°12 | 8°19 | 12°29 | 26° 2 | 26°17 | 22°27 | 24°11 | 21°15 | 25°31 | M 4 |
| T 5 | 11 12 0 | 19°57'21 | 12°51 | 8°34 | 24° 1 | 26°21 | 26° 6 | 8°23 | 12°28 | 26° 0 | 26°16 | 22°25 | 24° 8 | 21°21 | 25°33 | T 5 |
| W 6 | 11 15 57 | 20°56'40 | 24°39 | 9°30 | 25°15 | 25°59 | 25°59 | 8°26 | 12°26 | 25°59 | 26°15 | 22°D25 | 24° 5 | 21°28 | 25°35 | W 6 |
| T 7 | 11 19 53 | 21°55'57 | 6♏26 | 10°19 | 26°28 | 25°36 | 25°53 | 8°30 | 12°25 | 25°58 | 26°13 | 22°26 | 24° 2 | 21°35 | 25°37 | T 7 |
| F 8 | 11 23 50 | 22°55'12 | 18°15 | 11° 1 | 27°42 | 25°13 | 25°46 | 8°33 | 12°24 | 25°57 | 26°12 | 22°27 | 23°58 | 21°41 | 25°39 | F 8 |
| S 9 | 11 27 47 | 23°54'25 | 0♐10 | 11°35 | 28°56 | 24°50 | 25°40 | 8°37 | 12°23 | 25°55 | 26°11 | 22°29 | 23°55 | 21°48 | 25°41 | S 9 |
| S 10 | 11 31 43 | 24°53'37 | 12°15 | 12° 2 | 0♓ 9 | 24°27 | 25°34 | 8°41 | 12°21 | 25°54 | 26° 9 | 22°31 | 23°52 | 21°55 | 25°43 | S 10 |
| M11 | 11 35 40 | 25°52'46 | 24°35 | 12°22 | 1°23 | 24° 4 | 25°28 | 8°45 | 12°20 | 25°53 | 26° 8 | 22°R31 | 23°49 | 22° 1 | 25°44 | M11 |
| T 12 | 11 39 36 | 26°51'54 | 7♑16 | 12°35 | 2°36 | 23°41 | 25°22 | 8°49 | 12°18 | 25°51 | 26° 7 | 22°31 | 23°46 | 22° 8 | 25°46 | T 12 |
| W13 | 11 43 33 | 27°51'00 | 20°20 | 12°R40 | 3°50 | 23°18 | 25°17 | 8°53 | 12°17 | 25°50 | 26° 5 | 22°29 | 23°43 | 22°14 | 25°47 | W13 |
| T 14 | 11 47 29 | 28°50'04 | 3♒51 | 12°39 | 5° 4 | 22°54 | 25°11 | 8°57 | 12°15 | 25°49 | 26° 4 | 22°27 | 23°39 | 22°21 | 25°49 | T 14 |
| F 15 | 11 51 26 | 29°49'06 | 17°50 | 12°30 | 6°17 | 22°31 | 25° 6 | 9° 1 | 12°14 | 25°47 | 26° 3 | 22°24 | 23°36 | 22°28 | 25°50 | F 15 |
| S 16 | 11 55 22 | 0♈48'07 | 2♓14 | 12°16 | 7°31 | 22° 9 | 25° 0 | 9° 6 | 12°12 | 25°46 | 26° 1 | 22°21 | 23°33 | 22°34 | 25°51 | S 16 |
| S 17 | 11 59 19 | 1°47'05 | 17° 1 | 11°55 | 8°44 | 21°46 | 24°55 | 9°10 | 12°10 | 25°44 | 26° 0 | 22°18 | 23°30 | 22°41 | 25°53 | S 17 |
| M18 | 12 3 16 | 2°46'02 | 2♈ 3 | 11°29 | 9°58 | 21°23 | 24°50 | 9°15 | 12° 9 | 25°43 | 25°59 | 22°16 | 23°27 | 22°48 | 25°54 | M18 |
| T 19 | 12 7 12 | 3°44'56 | 17°11 | 10°57 | 11°12 | 21° 1 | 24°45 | 9°19 | 12° 7 | 25°41 | 25°58 | 22°D15 | 23°23 | 22°54 | 25°55 | T 19 |
| W20 | 12 11 9 | 4°43'48 | 2♉15 | 10°22 | 12°25 | 20°40 | 24°41 | 9°24 | 12° 5 | 25°40 | 25°57 | 22°15 | 23°20 | 23° 1 | 25°55 | W20 |
| T 21 | 12 15 5 | 5°42'38 | 17° 8 | 9°43 | 13°39 | 20°18 | 24°36 | 9°29 | 12° 3 | 25°38 | 25°56 | 22°16 | 23°17 | 23° 8 | 25°56 | T 21 |
| F 22 | 12 19 2 | 6°41'26 | 1♊43 | 9° 1 | 14°52 | 19°57 | 24°32 | 9°34 | 12° 1 | 25°37 | 25°54 | 22°17 | 23°14 | 23°14 | 25°57 | F 22 |
| S 23 | 12 22 58 | 7°40'12 | 15°56 | 8°18 | 16° 6 | 19°37 | 24°28 | 9°38 | 11°59 | 25°35 | 25°53 | 22°18 | 23°11 | 23°21 | 25°57 | S 23 |
| S 24 | 12 26 55 | 8°38'55 | 29°46 | 7°33 | 17°20 | 19°17 | 24°24 | 9°44 | 11°58 | 25°34 | 25°52 | 22°19 | 23° 8 | 23°28 | 25°58 | S 24 |
| M25 | 12 30 51 | 9°37'36 | 13♋12 | 6°49 | 18°33 | 18°57 | 24°20 | 9°49 | 11°56 | 25°32 | 25°51 | 22°R19 | 23° 4 | 23°34 | 25°58 | M25 |
| T 26 | 12 34 48 | 10°36'15 | 26°17 | 6° 5 | 19°47 | 18°38 | 24°16 | 9°54 | 11°54 | 25°31 | 25°50 | 22°19 | 23° 1 | 23°41 | 25°59 | T 26 |
| W27 | 12 38 44 | 11°34'51 | 9♌ 2 | 5°22 | 21° 0 | 18°20 | 24°13 | 9°59 | 11°52 | 25°29 | 25°49 | 22°18 | 22°58 | 23°47 | 25°59 | W27 |
| T 28 | 12 42 41 | 12°33'25 | 21°32 | 4°42 | 22°14 | 18° 2 | 24°10 | 10° 4 | 11°50 | 25°27 | 25°48 | 22°17 | 22°55 | 23°54 | 25°59 | T 28 |
| F 29 | 12 46 38 | 13°31'57 | 3♍48 | 4° 4 | 23°28 | 17°45 | 24° 7 | 10°10 | 11°47 | 25°26 | 25°47 | 22°15 | 22°52 | 24° 1 | 25°R59 | F 29 |
| S 30 | 12 50 34 | 14°30'27 | 15°53 | 3°30 | 24°41 | 17°28 | 24° 4 | 10°15 | 11°45 | 25°24 | 25°46 | 22°14 | 22°49 | 24° 7 | 25°59 | S 30 |
| S 31 | 12 54 31 | 15♈28'54 | 27♍51 | 3♈ 0 | 25♓55 | 17♍13 | 24♌ 1 | 10♊21 | 11♏43 | 25♎23 | 25♌45 | 22♎13 | 22♎45 | 24♎14 | 25♐59 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s33 | 9n17 | 4s24 | 2n57 | 1n34 | 16s 3 | 0s56 | 4n13 | 3n38 | 14n 5 | 1n26 | 20n33 | 1s16 | 15s19 | 0n23 | 8s21 | 1n54 | 25n43 | 13n49 | 8s53 | 9s29 | 8s30 | 18s55 | 4n35 |
| S 2 | 5 10 | 5 36 | 3 43 | 3 41 | 1 47 | 15 42 | 0 58 | 4 21 | 3 38 | 14 7 | 1 26 | 20 33 | 1 15 | 15 19 | 0 23 | 8 21 | 1 54 | 25 44 | 13 49 | 8 51 | 9 28 | 8 31 | 18 55 | 4 35 |
| S 3 | 4 47 | 1 45 | 2 53 | 4 22 | 1 59 | 15 20 | 1 0 | 4 29 | 3 37 | 14 9 | 1 26 | 20 34 | 1 15 | 15 19 | 0 23 | 8 20 | 1 54 | 25 44 | 13 49 | 8 49 | 9 27 | 8 33 | 18 54 | 4 36 |
| M 4 | 4 23 | 2s 8 | 1 55 | 5 0 | 2 11 | 14 58 | 1 2 | 4 37 | 3 37 | 14 12 | 1 26 | 20 35 | 1 15 | 15 18 | 0 23 | 8 20 | 1 54 | 25 44 | 13 49 | 8 47 | 9 26 | 8 35 | 18 54 | 4 36 |
| T 5 | 4 0 | 5 54 | 0 52 | 5 36 | 2 22 | 14 35 | 1 4 | 4 45 | 3 36 | 14 14 | 1 26 | 20 36 | 1 15 | 15 18 | 0 23 | 8 19 | 1 54 | 25 45 | 13 48 | 8 46 | 9 25 | 8 36 | 18 53 | 4 37 |
| W 6 | 3 37 | 9 25 | 0n12 | 6 7 | 2 33 | 14 12 | 1 6 | 4 53 | 3 35 | 14 16 | 1 26 | 20 36 | 1 14 | 15 17 | 0 23 | 8 19 | 1 54 | 25 45 | 13 48 | 8 46 | 9 23 | 8 38 | 18 53 | 4 37 |
| T 7 | 3 13 | 12 32 | 1 16 | 6 36 | 2 43 | 13 49 | 1 8 | 5 1 | 3 34 | 14 18 | 1 26 | 20 37 | 1 14 | 15 17 | 0 23 | 8 18 | 1 54 | 25 46 | 13 48 | 8 47 | 9 22 | 8 40 | 18 52 | 4 38 |
| F 8 | 2 50 | 15 10 | 2 17 | 7 1 | 2 52 | 13 25 | 1 9 | 5 10 | 3 33 | 14 20 | 1 25 | 20 38 | 1 14 | 15 17 | 0 23 | 8 18 | 1 55 | 25 46 | 13 48 | 8 47 | 9 21 | 8 41 | 18 52 | 4 38 |
| S 9 | 2 26 | 17 9 | 3 13 | 7 22 | 3 0 | 13 1 | 1 11 | 5 18 | 3 32 | 14 22 | 1 25 | 20 39 | 1 14 | 15 16 | 0 23 | 8 17 | 1 55 | 25 46 | 13 48 | 8 48 | 9 20 | 8 43 | 18 51 | 4 39 |
| S 10 | 2 2 | 18 24 | 4 1 | 7 39 | 3 7 | 12 37 | 1 13 | 5 26 | 3 30 | 14 24 | 1 25 | 20 40 | 1 14 | 15 16 | 0 23 | 8 17 | 1 55 | 25 47 | 13 48 | 8 48 | 9 19 | 8 45 | 18 51 | 4 39 |
| M11 | 1 39 | 18 49 | 4 39 | 7 52 | 3 13 | 12 12 | 1 14 | 5 34 | 3 29 | 14 26 | 1 25 | 20 40 | 1 13 | 15 15 | 0 23 | 8 16 | 1 55 | 25 47 | 13 48 | 8 49 | 9 18 | 8 46 | 18 50 | 4 40 |
| T 12 | 1 15 | 18 19 | 5 4 | 8 1 | 3 17 | 11 47 | 1 16 | 5 42 | 3 27 | 14 28 | 1 25 | 20 41 | 1 13 | 15 15 | 0 23 | 8 16 | 1 55 | 25 47 | 13 48 | 8 48 | 9 16 | 8 48 | 18 50 | 4 40 |
| W13 | 0 52 | 16 50 | 5 15 | 8 6 | 3 20 | 11 21 | 1 17 | 5 49 | 3 26 | 14 30 | 1 25 | 20 42 | 1 13 | 15 14 | 0 23 | 8 15 | 1 55 | 25 48 | 13 47 | 8 48 | 9 15 | 8 50 | 18 50 | 4 41 |
| T 14 | 0 28 | 14 23 | 5 9 | 8 7 | 3 22 | 10 55 | 1 19 | 5 57 | 3 24 | 14 32 | 1 25 | 20 43 | 1 13 | 15 14 | 0 23 | 8 15 | 1 55 | 25 48 | 13 47 | 8 47 | 9 14 | 8 51 | 18 49 | 4 41 |
| F 15 | 0 4 | 11 3 | 4 45 | 8 4 | 3 22 | 10 29 | 1 20 | 6 5 | 3 23 | 14 34 | 1 25 | 20 44 | 1 13 | 15 13 | 0 23 | 8 14 | 1 55 | 25 48 | 13 47 | 8 46 | 9 13 | 8 53 | 18 49 | 4 42 |
| S 16 | 0n19 | 6 58 | 4 2 | 7 57 | 3 21 | 10 3 | 1 21 | 6 12 | 3 21 | 14 35 | 1 25 | 20 45 | 1 12 | 15 13 | 0 23 | 8 14 | 1 55 | 25 49 | 13 47 | 8 45 | 9 12 | 8 55 | 18 48 | 4 42 |
| S 17 | 0 43 | 2 21 | 3 3 | 7 46 | 3 18 | 9 36 | 1 22 | 6 19 | 3 19 | 14 37 | 1 25 | 20 45 | 1 12 | 15 12 | 0 23 | 8 13 | 1 55 | 25 49 | 13 47 | 8 44 | 9 10 | 8 56 | 18 48 | 4 43 |
| M18 | 1 6 | 2n29 | 1 49 | 7 32 | 3 14 | 9 10 | 1 23 | 6 27 | 3 17 | 14 38 | 1 25 | 20 46 | 1 12 | 15 12 | 0 23 | 8 13 | 1 55 | 25 49 | 13 47 | 8 43 | 9 9 | 8 58 | 18 47 | 4 43 |
| T 19 | 1 30 | 7 13 | 0 28 | 7 14 | 3 8 | 8 42 | 1 24 | 6 34 | 3 15 | 14 40 | 1 24 | 20 47 | 1 12 | 15 11 | 0 23 | 8 12 | 1 55 | 25 49 | 13 46 | 8 43 | 9 8 | 9 0 | 18 47 | 4 44 |
| W20 | 1 53 | 11 28 | 0s55 | 6 53 | 3 0 | 8 15 | 1 25 | 6 40 | 3 13 | 14 41 | 1 24 | 20 48 | 1 12 | 15 11 | 0 23 | 8 11 | 1 55 | 25 50 | 13 46 | 8 43 | 9 7 | 9 1 | 18 46 | 4 45 |
| T 21 | 2 17 | 14 55 | 2 14 | 6 29 | 2 51 | 7 47 | 1 26 | 6 47 | 3 11 | 14 43 | 1 24 | 20 49 | 1 11 | 15 10 | 0 23 | 8 11 | 1 55 | 25 50 | 13 46 | 8 43 | 9 6 | 9 3 | 18 46 | 4 45 |
| F 22 | 2 40 | 17 20 | 3 22 | 6 3 | 2 40 | 7 20 | 1 27 | 6 53 | 3 8 | 14 44 | 1 24 | 20 50 | 1 11 | 15 10 | 0 23 | 8 10 | 1 55 | 25 50 | 13 46 | 8 43 | 9 5 | 9 5 | 18 45 | 4 46 |
| S 23 | 3 4 | 18 35 | 4 16 | 5 35 | 2 28 | 6 52 | 1 28 | 6 59 | 3 6 | 14 45 | 1 24 | 20 51 | 1 11 | 15 9 | 0 23 | 8 10 | 1 55 | 25 50 | 13 46 | 8 44 | 9 3 | 9 6 | 18 44 | 4 46 |
| S 24 | 3 27 | 18 41 | 4 53 | 5 5 | 2 15 | 6 24 | 1 29 | 7 5 | 3 4 | 14 47 | 1 24 | 20 52 | 1 11 | 15 8 | 0 23 | 8 9 | 1 55 | 25 50 | 13 45 | 8 44 | 9 2 | 9 8 | 18 44 | 4 47 |
| M25 | 3 50 | 17 43 | 5 13 | 4 34 | 2 1 | 5 55 | 1 29 | 7 10 | 3 1 | 14 48 | 1 24 | 20 53 | 1 11 | 15 8 | 0 23 | 8 8 | 1 55 | 25 51 | 13 45 | 8 44 | 9 1 | 9 10 | 18 43 | 4 47 |
| T 26 | 4 13 | 15 50 | 5 16 | 4 3 | 1 46 | 5 27 | 1 30 | 7 16 | 2 59 | 14 49 | 1 24 | 20 54 | 1 10 | 15 7 | 0 23 | 8 8 | 1 55 | 25 51 | 13 45 | 8 44 | 9 0 | 9 11 | 18 43 | 4 48 |
| W27 | 4 36 | 13 12 | 5 4 | 3 32 | 1 30 | 4 58 | 1 30 | 7 21 | 2 56 | 14 50 | 1 23 | 20 55 | 1 10 | 15 7 | 0 23 | 8 7 | 1 55 | 25 51 | 13 45 | 8 44 | 8 59 | 9 13 | 18 42 | 4 48 |
| T 28 | 4 59 | 10 2 | 4 37 | 3 1 | 1 14 | 4 29 | 1 31 | 7 25 | 2 54 | 14 51 | 1 23 | 20 56 | 1 10 | 15 6 | 0 23 | 8 7 | 1 55 | 25 51 | 13 44 | 8 43 | 8 57 | 9 14 | 18 42 | 4 49 |
| F 29 | 5 22 | 6 29 | 3 58 | 2 31 | 0 58 | 4 0 | 1 31 | 7 30 | 2 51 | 14 52 | 1 23 | 20 57 | 1 10 | 15 5 | 0 23 | 8 6 | 1 55 | 25 51 | 13 44 | 8 43 | 8 56 | 9 16 | 18 41 | 4 49 |
| S 30 | 5 45 | 2 42 | 3 8 | 2 2 | 0 41 | 3 31 | 1 31 | 7 34 | 2 49 | 14 53 | 1 23 | 20 58 | 1 10 | 15 5 | 0 23 | 8 6 | 1 55 | 25 51 | 13 44 | 8 42 | 8 55 | 9 18 | 18 41 | 4 50 |
| S 31 | 6n 8 | 1s 9 | 2s11 | 1n34 | 0n25 | 3s 2 | 1s32 | 7n37 | 2n46 | 14n53 | 1n23 | 20n59 | 1s 9 | 15s 4 | 0n23 | 8s 5 | 1n55 | 25n51 | 13n44 | 8s42 | 8s54 | 9s19 | 18s40 | 4n50 |

Julian Day Number = 2076140.5, Delta T = 26m47s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°24'56, Lahiri = 9°31'56 Julian Calendar 1 March 972 == Greg. Calendar 6 March 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## APRIL 972 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 58 27 | 16♈27'20 | 9♎43 | 2°R33 | 27♓ 8 | 16°R57 | 23°R58 | 10♊26 | 11°R41 | 25°R21 | 25°R45 | 22°R13 | 22♎42 | 24♎21 | 25°R59 | M 1 |
| T 2 | 13 2 24 | 17°25'44 | 21°32 | 2♈12 | 28°22 | 16♍43 | 23♌56 | 10°32 | 11♏39 | 25♎19 | 25♌44 | 22°D13 | 22°39 | 24°27 | 25♐59 | T 2 |
| W 3 | 13 6 20 | 18°24'05 | 3♏20 | 1°55 | 29°35 | 16°29 | 23°54 | 10°38 | 11°37 | 25°18 | 25°43 | 22♎13 | 22°36 | 24°34 | 25°58 | W 3 |
| T 4 | 13 10 17 | 19°22'25 | 15° 9 | 1°43 | 0♈49 | 16°16 | 23°52 | 10°44 | 11°34 | 25°16 | 25°42 | 22°13 | 22°33 | 24°41 | 25°58 | T 4 |
| F 5 | 13 14 13 | 20°20'44 | 27° 1 | 1°36 | 2° 2 | 16° 4 | 23°50 | 10°50 | 11°32 | 25°15 | 25°41 | 22°13 | 22°29 | 24°47 | 25°57 | F 5 |
| S 6 | 13 18 10 | 21°19'00 | 9♐ 1 | 1°D34 | 3°16 | 15°53 | 23°48 | 10°56 | 11°30 | 25°13 | 25°41 | 22°14 | 22°26 | 24°54 | 25°57 | S 6 |
| S 7 | 13 22 7 | 22°17'15 | 21°10 | 1°36 | 4°30 | 15°42 | 23°46 | 11° 2 | 11°28 | 25°11 | 25°40 | 22°R14 | 22°23 | 25° 1 | 25°56 | S 7 |
| M 8 | 13 26 3 | 23°15'29 | 3♑32 | 1°44 | 5°43 | 15°32 | 23°45 | 11° 8 | 11°25 | 25°10 | 25°39 | 22°14 | 22°20 | 25° 7 | 25°55 | M 8 |
| T 9 | 13 30 0 | 24°13'41 | 16°12 | 1°57 | 6°57 | 15°23 | 23°44 | 11°14 | 11°23 | 25° 8 | 25°38 | 22°13 | 22°17 | 25°14 | 25°54 | T 9 |
| W10 | 13 33 56 | 25°11'51 | 29°12 | 2°14 | 8°10 | 15°15 | 23°43 | 11°20 | 11°21 | 25° 6 | 25°38 | 22°D13 | 22°14 | 25°21 | 25°53 | W10 |
| T 11 | 13 37 53 | 26°10'00 | 12♒35 | 2°35 | 9°24 | 15° 8 | 23°42 | 11°26 | 11°18 | 25° 5 | 25°37 | 22°14 | 22°10 | 25°27 | 25°52 | T 11 |
| F 12 | 13 41 49 | 27° 8'07 | 26°24 | 3° 1 | 10°37 | 15° 1 | 23°42 | 11°33 | 11°16 | 25° 3 | 25°37 | 22°14 | 22° 7 | 25°34 | 25°51 | F 12 |
| S 13 | 13 45 46 | 28° 6'13 | 10♓39 | 3°32 | 11°51 | 14°55 | 23°41 | 11°39 | 11°13 | 25° 2 | 25°36 | 22°14 | 22° 4 | 25°40 | 25°50 | S 13 |
| S 14 | 13 49 42 | 29° 4'17 | 25°17 | 4° 6 | 13° 4 | 14°50 | 23°41 | 11°45 | 11°11 | 25° 0 | 25°36 | 22°15 | 22° 1 | 25°47 | 25°49 | S 14 |
| M15 | 13 53 39 | 0♉ 2'20 | 10♈15 | 4°44 | 14°18 | 14°46 | 23°D41 | 11°52 | 11° 8 | 24°58 | 25°35 | 22°15 | 21°58 | 25°54 | 25°48 | M15 |
| T 16 | 13 57 36 | 1° 0'22 | 25°23 | 5°26 | 15°32 | 14°42 | 23°41 | 11°58 | 11° 6 | 24°57 | 25°35 | 22°R16 | 21°54 | 26° 0 | 25°46 | T 16 |
| W17 | 14 1 32 | 1°58'21 | 10♉35 | 6°12 | 16°45 | 14°39 | 23°42 | 12° 5 | 11° 4 | 24°55 | 25°34 | 22°15 | 21°51 | 26° 7 | 25°45 | W17 |
| T 18 | 14 5 29 | 2°56'19 | 25°39 | 7° 1 | 17°59 | 14°38 | 23°42 | 12°12 | 11° 1 | 24°53 | 25°34 | 22°14 | 21°48 | 26°14 | 25°43 | T 18 |
| F 19 | 14 9 25 | 3°54'16 | 10♊28 | 7°54 | 19°12 | 14°36 | 23°43 | 12°18 | 10°59 | 24°52 | 25°33 | 22°13 | 21°45 | 26°20 | 25°41 | F 19 |
| S 20 | 14 13 22 | 4°52'10 | 24°55 | 8°49 | 20°26 | 14°D36 | 23°44 | 12°25 | 10°56 | 24°50 | 25°33 | 22°12 | 21°42 | 26°27 | 25°40 | S 20 |
| S 21 | 14 17 18 | 5°50'03 | 8♋56 | 9°48 | 21°39 | 14°37 | 23°45 | 12°32 | 10°54 | 24°49 | 25°33 | 22°10 | 21°39 | 26°34 | 25°38 | S 21 |
| M22 | 14 21 15 | 6°47'54 | 22°30 | 10°50 | 22°53 | 14°38 | 23°46 | 12°39 | 10°51 | 24°47 | 25°32 | 22° 9 | 21°35 | 26°40 | 25°36 | M22 |
| T 23 | 14 25 11 | 7°45'43 | 5♌37 | 11°55 | 24° 6 | 14°40 | 23°47 | 12°46 | 10°49 | 24°45 | 25°32 | 22°D 9 | 21°32 | 26°47 | 25°34 | T 23 |
| W24 | 14 29 8 | 8°43'31 | 18°22 | 13° 2 | 25°20 | 14°42 | 23°49 | 12°52 | 10°46 | 24°44 | 25°32 | 22° 9 | 21°29 | 26°54 | 25°32 | W24 |
| T 25 | 14 33 5 | 9°41'16 | 0♍46 | 14°13 | 26°33 | 14°46 | 23°51 | 12°59 | 10°44 | 24°42 | 25°32 | 22°10 | 21°26 | 27° 0 | 25°30 | T 25 |
| F 26 | 14 37 1 | 10°39'00 | 12°56 | 15°26 | 27°47 | 14°50 | 23°53 | 13° 6 | 10°41 | 24°41 | 25°31 | 22°11 | 21°23 | 27° 7 | 25°28 | F 26 |
| S 27 | 14 40 58 | 11°36'42 | 24°54 | 16°41 | 29° 0 | 14°55 | 23°55 | 13°13 | 10°39 | 24°39 | 25°31 | 22°13 | 21°20 | 27°13 | 25°25 | S 27 |
| S 28 | 14 44 54 | 12°34'23 | 6♎45 | 18° 0 | 0♉14 | 15° 0 | 23°57 | 13°21 | 10°36 | 24°38 | 25°31 | 22°14 | 21°16 | 27°20 | 25°23 | S 28 |
| M29 | 14 48 51 | 13°32'02 | 18°33 | 19°20 | 1°27 | 15° 7 | 24° 0 | 13°28 | 10°34 | 24°36 | 25°31 | 22°R15 | 21°13 | 27°27 | 25°21 | M29 |
| T 30 | 14 52 47 | 14♉29'40 | 0♏20 | 20♈44 | 2♉41 | 15♍14 | 24♌ 2 | 13♊35 | 10♏31 | 24♎35 | 25♌31 | 22♎15 | 21♎10 | 27♎33 | 25♐18 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 6n30 | 4s56 | 1s 9 | 1n 9 | 0n 8 | 2s33 | 1s32 | 7n41 | 2n43 | 14n54 | 1n23 | 21n 0 | 1s 9 | 15s 3 | 0n23 | 8s 4 | 1n55 | 25n51 | 13n43 | 8s42 | 8s53 | 9s21 | 18s40 | 4n51 | M 1 |
| T 2 | 6 53 | 8 30 | 0 4 | 0 45 | 0s 8 | 2 3 | 1 32 | 7 44 | 2 41 | 14 55 | 1 22 | 21 1 | 1 9 | 15 3 | 0 23 | 8 4 | 1 55 | 25 51 | 13 43 | 8 42 | 8 51 | 9 23 | 18 39 | 4 51 | T 2 |
| W 3 | 7 15 | 11 44 | 1n 1 | 0 24 | 0 24 | 1 34 | 1 32 | 7 47 | 2 38 | 14 55 | 1 22 | 21 2 | 1 9 | 15 2 | 0 23 | 8 3 | 1 55 | 25 51 | 13 43 | 8 42 | 8 50 | 9 24 | 18 39 | 4 52 | W 3 |
| T 4 | 7 37 | 14 29 | 2 4 | 0 5 | 0 39 | 1 5 | 1 32 | 7 50 | 2 35 | 14 56 | 1 22 | 21 3 | 1 9 | 15 1 | 0 23 | 8 3 | 1 55 | 25 51 | 13 43 | 8 42 | 8 49 | 9 26 | 18 38 | 4 53 | T 4 |
| F 5 | 7 59 | 16 39 | 3 2 | 0s11 | 0 54 | 0 35 | 1 32 | 7 52 | 2 32 | 14 56 | 1 22 | 21 4 | 1 9 | 15 1 | 0 23 | 8 2 | 1 55 | 25 51 | 13 42 | 8 42 | 8 48 | 9 28 | 18 38 | 4 53 | F 5 |
| S 6 | 8 21 | 18 6 | 3 52 | 0 25 | 1 8 | 0 6 | 1 31 | 7 54 | 2 30 | 14 57 | 1 22 | 21 5 | 1 8 | 15 0 | 0 23 | 8 1 | 1 55 | 25 51 | 13 42 | 8 42 | 8 47 | 9 29 | 18 37 | 4 54 | S 6 |
| S 7 | 8 43 | 18 44 | 4 33 | 0 36 | 1 21 | 0n24 | 1 31 | 7 55 | 2 27 | 14 57 | 1 22 | 21 6 | 1 8 | 14 59 | 0 23 | 8 1 | 1 55 | 25 51 | 13 42 | 8 42 | 8 46 | 9 31 | 18 36 | 4 54 | S 7 |
| M 8 | 9 5 | 18 30 | 5 1 | 0 44 | 1 33 | 0 54 | 1 31 | 7 57 | 2 24 | 14 57 | 1 21 | 21 7 | 1 8 | 14 58 | 0 23 | 8 0 | 1 55 | 25 51 | 13 41 | 8 42 | 8 44 | 9 32 | 18 36 | 4 55 | M 8 |
| T 9 | 9 27 | 17 21 | 5 16 | 0 50 | 1 45 | 1 23 | 1 30 | 7 58 | 2 21 | 14 58 | 1 21 | 21 8 | 1 8 | 14 58 | 0 23 | 8 0 | 1 55 | 25 51 | 13 41 | 8 42 | 8 43 | 9 34 | 18 35 | 4 55 | T 9 |
| W10 | 9 48 | 15 17 | 5 16 | 0 53 | 1 56 | 1 53 | 1 30 | 7 58 | 2 19 | 14 58 | 1 21 | 21 9 | 1 8 | 14 57 | 0 23 | 7 59 | 1 55 | 25 51 | 13 41 | 8 42 | 8 42 | 9 36 | 18 35 | 4 56 | W10 |
| T 11 | 10 9 | 12 21 | 4 58 | 0 54 | 2 6 | 2 22 | 1 29 | 7 59 | 2 16 | 14 58 | 1 21 | 21 10 | 1 8 | 14 56 | 0 23 | 7 58 | 1 55 | 25 51 | 13 41 | 8 42 | 8 41 | 9 37 | 18 34 | 4 56 | T 11 |
| F 12 | 10 31 | 8 39 | 4 23 | 0 52 | 2 16 | 2 52 | 1 29 | 7 59 | 2 13 | 14 58 | 1 21 | 21 11 | 1 7 | 14 56 | 0 23 | 7 58 | 1 55 | 25 51 | 13 40 | 8 42 | 8 40 | 9 39 | 18 34 | 4 57 | F 12 |
| S 13 | 10 51 | 4 21 | 3 31 | 0 48 | 2 24 | 3 21 | 1 28 | 7 58 | 2 10 | 14 58 | 1 21 | 21 12 | 1 7 | 14 55 | 0 23 | 7 57 | 1 55 | 25 51 | 13 40 | 8 42 | 8 38 | 9 40 | 18 33 | 4 57 | S 13 |
| S 14 | 11 12 | 0n20 | 2 24 | 0 41 | 2 32 | 3 51 | 1 28 | 7 58 | 2 8 | 14 58 | 1 20 | 21 13 | 1 7 | 14 54 | 0 23 | 7 57 | 1 55 | 25 51 | 13 40 | 8 43 | 8 37 | 9 42 | 18 33 | 4 58 | S 14 |
| M15 | 11 33 | 5 6 | 1 6 | 0 32 | 2 39 | 4 20 | 1 27 | 7 57 | 2 5 | 14 58 | 1 20 | 21 14 | 1 7 | 14 53 | 0 23 | 7 56 | 1 55 | 25 51 | 13 39 | 8 43 | 8 36 | 9 44 | 18 32 | 4 58 | M15 |
| T 16 | 11 53 | 9 36 | 0s17 | 0 21 | 2 45 | 4 49 | 1 26 | 7 56 | 2 2 | 14 57 | 1 20 | 21 15 | 1 7 | 14 53 | 0 23 | 7 55 | 1 55 | 25 51 | 13 39 | 8 43 | 8 35 | 9 45 | 18 32 | 4 59 | T 16 |
| W17 | 12 13 | 13 30 | 1 40 | 0 8 | 2 50 | 5 19 | 1 25 | 7 54 | 1 59 | 14 57 | 1 20 | 21 16 | 1 7 | 14 52 | 0 23 | 7 55 | 1 55 | 25 51 | 13 39 | 8 43 | 8 34 | 9 47 | 18 31 | 4 59 | W17 |
| T 18 | 12 33 | 16 27 | 2 55 | 0n 8 | 2 55 | 5 48 | 1 24 | 7 53 | 1 57 | 14 57 | 1 20 | 21 17 | 1 6 | 14 51 | 0 23 | 7 54 | 1 55 | 25 51 | 13 38 | 8 42 | 8 32 | 9 48 | 18 31 | 5 0 | T 18 |
| F 19 | 12 53 | 18 14 | 3 57 | 0 25 | 2 59 | 6 17 | 1 23 | 7 51 | 1 54 | 14 56 | 1 20 | 21 18 | 1 6 | 14 50 | 0 23 | 7 54 | 1 55 | 25 50 | 13 38 | 8 42 | 8 31 | 9 50 | 18 30 | 5 0 | F 19 |
| S 20 | 13 13 | 18 46 | 4 42 | 0 44 | 3 2 | 6 45 | 1 22 | 7 48 | 1 51 | 14 56 | 1 19 | 21 19 | 1 6 | 14 49 | 0 23 | 7 53 | 1 55 | 25 50 | 13 38 | 8 41 | 8 30 | 9 52 | 18 29 | 5 1 | S 20 |
| S 21 | 13 32 | 18 8 | 5 9 | 1 5 | 3 4 | 7 14 | 1 21 | 7 46 | 1 49 | 14 55 | 1 19 | 21 20 | 1 6 | 14 49 | 0 23 | 7 52 | 1 55 | 25 50 | 13 37 | 8 41 | 8 29 | 9 53 | 18 29 | 5 1 | S 21 |
| M22 | 13 51 | 16 28 | 5 17 | 1 28 | 3 6 | 7 43 | 1 20 | 7 43 | 1 46 | 14 55 | 1 19 | 21 21 | 1 6 | 14 48 | 0 23 | 7 52 | 1 55 | 25 50 | 13 37 | 8 40 | 8 28 | 9 55 | 18 28 | 5 2 | M22 |
| T 23 | 14 10 | 13 59 | 5 8 | 1 53 | 3 6 | 8 11 | 1 18 | 7 40 | 1 43 | 14 54 | 1 19 | 21 22 | 1 6 | 14 47 | 0 23 | 7 51 | 1 55 | 25 50 | 13 37 | 8 40 | 8 26 | 9 56 | 18 28 | 5 2 | T 23 |
| W24 | 14 29 | 10 54 | 4 45 | 2 19 | 3 7 | 8 39 | 1 17 | 7 36 | 1 41 | 14 53 | 1 19 | 21 23 | 1 6 | 14 46 | 0 23 | 7 51 | 1 55 | 25 49 | 13 36 | 8 40 | 8 25 | 9 58 | 18 27 | 5 2 | W24 |
| T 25 | 14 48 | 7 24 | 4 8 | 2 46 | 3 6 | 9 7 | 1 16 | 7 32 | 1 38 | 14 53 | 1 18 | 21 24 | 1 5 | 14 46 | 0 23 | 7 50 | 1 55 | 25 49 | 13 36 | 8 41 | 8 24 | 10 0 | 18 27 | 5 3 | T 25 |
| F 26 | 15 6 | 3 39 | 3 21 | 3 16 | 3 5 | 9 35 | 1 14 | 7 28 | 1 36 | 14 52 | 1 18 | 21 25 | 1 5 | 14 45 | 0 23 | 7 50 | 1 55 | 25 49 | 13 36 | 8 41 | 8 23 | 10 1 | 18 26 | 5 3 | F 26 |
| S 27 | 15 24 | 0s11 | 2 26 | 3 46 | 3 3 | 10 3 | 1 13 | 7 24 | 1 33 | 14 51 | 1 18 | 21 26 | 1 5 | 14 44 | 0 23 | 7 49 | 1 55 | 25 49 | 13 35 | 8 42 | 8 22 | 10 3 | 18 26 | 5 4 | S 27 |
| S 28 | 15 42 | 3 59 | 1 25 | 4 18 | 3 1 | 10 30 | 1 11 | 7 20 | 1 31 | 14 50 | 1 18 | 21 27 | 1 5 | 14 43 | 0 23 | 7 49 | 1 55 | 25 48 | 13 35 | 8 42 | 8 20 | 10 4 | 18 25 | 5 4 | S 28 |
| M29 | 15 59 | 7 37 | 0 20 | 4 52 | 2 58 | 10 57 | 1 10 | 7 15 | 1 28 | 14 49 | 1 18 | 21 28 | 1 5 | 14 42 | 0 23 | 7 48 | 1 55 | 25 48 | 13 35 | 8 42 | 8 19 | 10 6 | 18 25 | 5 5 | M29 |
| T 30 | 16n16 | 10s57 | 0n45 | 5n27 | 2s54 | 11n24 | 1s 8 | 7n10 | 1n26 | 14n48 | 1n18 | 21n29 | 1s 5 | 14s42 | 0n23 | 7s47 | 1n55 | 25n48 | 13n34 | 8s42 | 8s18 | 10s 7 | 18s24 | 5n 5 | T 30 |

Julian Day Number = 2076171.5, Delta T = 26m46s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'00, Lahiri = 9°32'00 Julian Calendar 1 Apr. 972 == Greg. Calendar 6 Apr. 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## MAY 972 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 56 44 | 15♉27'16 | 12♏10 | 22♈ 9 | 3♉55 | 15♍21 | 24♌ 5 | 13♊42 | 10°R29 | 24°R33 | 25°D31 | 22°R13 | 21♎ 7 | 27♎40 | 25°R16 | W 1 |
| T 2 | 15 0 40 | 16°24'51 | 24° 4 | 23°37 | 5° 8 | 15°30 | 24° 8 | 13°49 | 10♏26 | 24♎32 | 25♌31 | 22♎11 | 21° 4 | 27°47 | 25♐13 | T 2 |
| F 3 | 15 4 37 | 17°22'25 | 6♐ 4 | 25° 8 | 6°22 | 15°38 | 24°11 | 13°57 | 10°24 | 24°30 | 25°31 | 22° 7 | 21° 0 | 27°53 | 25°10 | F 3 |
| S 4 | 15 8 33 | 18°19'58 | 18°13 | 26°41 | 7°35 | 15°48 | 24°15 | 14° 4 | 10°21 | 24°29 | 25°31 | 22° 3 | 20°57 | 28° 0 | 25° 8 | S 4 |
| S 5 | 15 12 30 | 19°17'29 | 0♑32 | 28°16 | 8°49 | 15°58 | 24°18 | 14°11 | 10°19 | 24°27 | 25°31 | 21°59 | 20°54 | 28° 7 | 25° 5 | S 5 |
| M 6 | 15 16 27 | 20°15'00 | 13° 3 | 29°53 | 10° 2 | 16° 9 | 24°22 | 14°19 | 10°16 | 24°26 | 25°31 | 21°55 | 20°51 | 28°13 | 25° 2 | M 6 |
| T 7 | 15 20 23 | 21°12'30 | 25°49 | 1♒33 | 11°16 | 16°20 | 24°26 | 14°26 | 10°14 | 24°24 | 25°32 | 21°51 | 20°48 | 28°20 | 24°59 | T 7 |
| W 8 | 15 24 20 | 22° 9'59 | 8♓51 | 3°16 | 12°29 | 16°32 | 24°30 | 14°33 | 10°11 | 24°23 | 25°32 | 21°49 | 20°45 | 28°27 | 24°56 | W 8 |
| T 9 | 15 28 16 | 23° 7'27 | 22°11 | 5° 0 | 13°43 | 16°45 | 24°34 | 14°41 | 10° 9 | 24°22 | 25°32 | 21°D49 | 20°41 | 28°33 | 24°53 | T 9 |
| F 10 | 15 32 13 | 24° 4'54 | 5♈52 | 6°47 | 14°56 | 16°58 | 24°38 | 14°48 | 10° 6 | 24°20 | 25°32 | 21°49 | 20°38 | 28°40 | 24°50 | F 10 |
| S 11 | 15 36 9 | 25° 2'20 | 19°54 | 8°36 | 16°10 | 17°12 | 24°43 | 14°56 | 10° 4 | 24°19 | 25°32 | 21°50 | 20°35 | 28°47 | 24°47 | S 11 |
| S 12 | 15 40 6 | 25°59'46 | 4♉17 | 10°28 | 17°23 | 17°26 | 24°47 | 15° 4 | 10° 2 | 24°17 | 25°33 | 21°52 | 20°32 | 28°53 | 24°44 | S 12 |
| M13 | 15 44 2 | 26°57'11 | 18°58 | 12°22 | 18°37 | 17°41 | 24°52 | 15°11 | 9°59 | 24°16 | 25°33 | 21°R52 | 20°29 | 29° 0 | 24°41 | M13 |
| T 14 | 15 47 59 | 27°54'35 | 3♊53 | 14°18 | 19°50 | 17°56 | 24°57 | 15°19 | 9°57 | 24°15 | 25°33 | 21°52 | 20°25 | 29° 6 | 24°38 | T 14 |
| W15 | 15 51 56 | 28°51'59 | 18°56 | 16°16 | 21° 4 | 18°12 | 25° 2 | 15°26 | 9°55 | 24°14 | 25°34 | 21°50 | 20°22 | 29°13 | 24°34 | W15 |
| T 16 | 15 55 52 | 29°49'21 | 3♋56 | 18°16 | 22°18 | 18°28 | 25° 7 | 15°34 | 9°52 | 24°12 | 25°34 | 21°46 | 20°19 | 29°20 | 24°31 | T 16 |
| F 17 | 15 59 49 | 0♋46'43 | 18°46 | 20°18 | 23°31 | 18°45 | 25°13 | 15°42 | 9°50 | 24°11 | 25°35 | 21°41 | 20°16 | 29°26 | 24°28 | F 17 |
| S 18 | 16 3 45 | 1°44'04 | 3♌18 | 22°22 | 24°45 | 19° 2 | 25°18 | 15°49 | 9°48 | 24°10 | 25°35 | 21°35 | 20°13 | 29°33 | 24°24 | S 18 |
| S 19 | 16 7 42 | 2°41'24 | 17°25 | 24°28 | 25°58 | 19°20 | 25°24 | 15°57 | 9°46 | 24° 9 | 25°36 | 21°29 | 20°10 | 29°40 | 24°21 | S 19 |
| M20 | 16 11 38 | 3°38'43 | 1♍ 5 | 26°35 | 27°12 | 19°39 | 25°30 | 16° 5 | 9°43 | 24° 7 | 25°36 | 21°24 | 20° 6 | 29°46 | 24°17 | M20 |
| T 21 | 16 15 35 | 4°36'01 | 14°17 | 28°44 | 28°26 | 19°57 | 25°36 | 16°12 | 9°41 | 24° 6 | 25°37 | 21°20 | 20° 3 | 29°53 | 24°14 | T 21 |
| W22 | 16 19 32 | 5°33'18 | 27° 4 | 0♋54 | 29°39 | 20°17 | 25°42 | 16°20 | 9°39 | 24° 5 | 25°38 | 21°18 | 20° 0 | 29°59 | 24°10 | W22 |
| T 23 | 16 23 28 | 6°30'34 | 9♎29 | 3° 5 | 0♋53 | 20°36 | 25°48 | 16°28 | 9°37 | 24° 4 | 25°38 | 21°D18 | 19°57 | 0♏ 6 | 24° 7 | T 23 |
| F 24 | 16 27 25 | 7°27'49 | 21°37 | 5°16 | 2° 6 | 20°57 | 25°54 | 16°36 | 9°35 | 24° 3 | 25°39 | 21°19 | 19°54 | 0°13 | 24° 3 | F 24 |
| S 25 | 16 31 21 | 8°25'03 | 3♎33 | 7°28 | 3°20 | 21°17 | 26° 1 | 16°43 | 9°33 | 24° 2 | 25°40 | 21°20 | 19°51 | 0°20 | 23°59 | S 25 |
| S 26 | 16 35 18 | 9°22'17 | 15°23 | 9°39 | 4°33 | 21°38 | 26° 8 | 16°51 | 9°30 | 24° 1 | 25°40 | 21°R21 | 19°47 | 0°26 | 23°56 | S 26 |
| M27 | 16 39 14 | 10°19'29 | 27° 9 | 11°51 | 5°47 | 22° 0 | 26°14 | 16°59 | 9°28 | 24° 0 | 25°41 | 21°21 | 19°44 | 0°33 | 23°52 | M27 |
| T 28 | 16 43 11 | 11°16'41 | 8♏58 | 14° 2 | 7° 1 | 22°21 | 26°21 | 17° 7 | 9°26 | 23°59 | 25°42 | 21°19 | 19°41 | 0°40 | 23°48 | T 28 |
| W29 | 16 47 7 | 12°13'53 | 20°52 | 16°13 | 8°14 | 22°44 | 26°29 | 17°15 | 9°24 | 23°58 | 25°43 | 21°16 | 19°38 | 0°46 | 23°44 | W29 |
| T 30 | 16 51 4 | 13°11'04 | 2♐54 | 18°22 | 9°28 | 23° 6 | 26°36 | 17°22 | 9°22 | 23°57 | 25°43 | 21°10 | 19°35 | 0°53 | 23°41 | T 30 |
| F 31 | 16 55 0 | 14♊ 8'14 | 15♐ 6 | 20♋30 | 10♋41 | 23♍29 | 26♌43 | 17♋30 | 9♏21 | 23♎56 | 25♌44 | 21♎ 2 | 19♎31 | 0♏59 | 23♐37 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n33 | 13s52 | 1n48 | 6n 2 | 2s50 | 11n51 | 1s 7 | 7n 5 | 1n23 | 14n47 | 1n17 | 21n30 | 1s 5 | 14s41 | 0n23 | 7s47 | 1n55 | 25n47 | 13n34 | 8s42 | 8s17 | 10s 9 | 18s24 | 5n 6 |
| T 2 | 16 50 | 16 12 | 2 46 | 6 39 | 2 45 | 12 17 | 1 5 | 6 59 | 1 21 | 14 46 | 1 17 | 21 31 | 1 4 | 14 40 | 0 23 | 7 46 | 1 55 | 25 47 | 13 34 | 8 41 | 8 16 | 10 11 | 18 23 | 5 6 |
| F 3 | 17 7 | 17 51 | 3 38 | 7 18 | 2 40 | 12 43 | 1 3 | 6 54 | 1 19 | 14 44 | 1 17 | 21 32 | 1 4 | 14 39 | 0 23 | 7 46 | 1 55 | 25 47 | 13 33 | 8 40 | 8 14 | 10 12 | 18 23 | 5 6 |
| S 4 | 17 23 | 18 43 | 4 21 | 7 57 | 2 34 | 13 9 | 1 1 | 6 48 | 1 16 | 14 43 | 1 17 | 21 33 | 1 4 | 14 39 | 0 23 | 7 45 | 1 55 | 25 46 | 13 33 | 8 38 | 8 13 | 10 14 | 18 22 | 5 7 |
| S 5 | 17 39 | 18 42 | 4 52 | 8 37 | 2 28 | 13 34 | 1 0 | 6 42 | 1 14 | 14 42 | 1 17 | 21 34 | 1 4 | 14 38 | 0 23 | 7 45 | 1 55 | 25 46 | 13 33 | 8 36 | 8 12 | 10 15 | 18 22 | 5 7 |
| M 6 | 17 54 | 17 47 | 5 10 | 9 18 | 2 21 | 14 0 | 0 58 | 6 36 | 1 12 | 14 40 | 1 16 | 21 35 | 1 4 | 14 37 | 0 23 | 7 44 | 1 55 | 25 46 | 13 32 | 8 35 | 8 11 | 10 17 | 18 21 | 5 8 |
| T 7 | 18 10 | 15 58 | 5 13 | 10 0 | 2 13 | 14 24 | 0 56 | 6 29 | 1 9 | 14 39 | 1 16 | 21 36 | 1 4 | 14 36 | 0 23 | 7 44 | 1 55 | 25 45 | 13 32 | 8 34 | 8 10 | 10 18 | 18 21 | 5 8 |
| W 8 | 18 25 | 13 19 | 5 0 | 10 42 | 2 6 | 14 49 | 0 54 | 6 22 | 1 7 | 14 37 | 1 16 | 21 37 | 1 4 | 14 36 | 0 23 | 7 43 | 1 55 | 25 45 | 13 32 | 8 33 | 8 9 | 10 20 | 18 20 | 5 8 |
| T 9 | 18 39 | 9 55 | 4 31 | 11 25 | 1 57 | 15 13 | 0 52 | 6 15 | 1 5 | 14 36 | 1 16 | 21 38 | 1 4 | 14 35 | 0 23 | 7 43 | 1 55 | 25 45 | 13 31 | 8 33 | 8 7 | 10 22 | 18 20 | 5 9 |
| F 10 | 18 54 | 5 55 | 3 46 | 12 9 | 1 48 | 15 37 | 0 50 | 6 8 | 1 3 | 14 34 | 1 16 | 21 39 | 1 3 | 14 34 | 0 23 | 7 42 | 1 55 | 25 44 | 13 31 | 8 33 | 8 6 | 10 23 | 18 19 | 5 9 |
| S 11 | 19 8 | 1 29 | 2 46 | 12 53 | 1 39 | 16 0 | 0 48 | 6 1 | 1 1 | 14 33 | 1 16 | 21 40 | 1 3 | 14 33 | 0 23 | 7 42 | 1 55 | 25 44 | 13 31 | 8 33 | 8 5 | 10 25 | 18 19 | 5 9 |
| S 12 | 19 22 | 3n 9 | 1 35 | 13 37 | 1 30 | 16 23 | 0 46 | 5 53 | 0 58 | 14 31 | 1 15 | 21 41 | 1 3 | 14 33 | 0 23 | 7 41 | 1 55 | 25 43 | 13 30 | 8 34 | 8 4 | 10 26 | 18 18 | 5 10 |
| M13 | 19 35 | 7 43 | 0 16 | 14 22 | 1 20 | 16 46 | 0 44 | 5 46 | 0 56 | 14 29 | 1 15 | 21 42 | 1 3 | 14 32 | 0 23 | 7 41 | 1 55 | 25 43 | 13 30 | 8 34 | 8 2 | 10 28 | 18 18 | 5 10 |
| T 14 | 19 48 | 11 52 | 1s 5 | 15 6 | 1 10 | 17 8 | 0 42 | 5 38 | 0 54 | 14 27 | 1 15 | 21 43 | 1 3 | 14 31 | 0 23 | 7 41 | 1 55 | 25 42 | 13 29 | 8 34 | 8 1 | 10 29 | 18 17 | 5 10 |
| W15 | 20 1 | 15 16 | 2 22 | 15 51 | 0 59 | 17 29 | 0 39 | 5 29 | 0 52 | 14 25 | 1 15 | 21 44 | 1 3 | 14 30 | 0 23 | 7 40 | 1 55 | 25 42 | 13 29 | 8 33 | 8 0 | 10 31 | 18 17 | 5 11 |
| T 16 | 20 13 | 17 38 | 3 29 | 16 35 | 0 49 | 17 51 | 0 37 | 5 21 | 0 50 | 14 23 | 1 15 | 21 45 | 1 3 | 14 30 | 0 23 | 7 40 | 1 55 | 25 41 | 13 29 | 8 32 | 7 59 | 10 32 | 18 16 | 5 11 |
| F 17 | 20 25 | 18 45 | 4 21 | 17 19 | 0 38 | 18 11 | 0 35 | 5 13 | 0 48 | 14 21 | 1 15 | 21 45 | 1 3 | 14 29 | 0 23 | 7 39 | 1 55 | 25 41 | 13 28 | 8 30 | 7 58 | 10 34 | 18 16 | 5 11 |
| S 18 | 20 37 | 18 37 | 4 55 | 18 2 | 0 27 | 18 32 | 0 33 | 5 4 | 0 46 | 14 19 | 1 14 | 21 46 | 1 3 | 14 28 | 0 23 | 7 39 | 1 54 | 25 40 | 13 28 | 8 27 | 7 56 | 10 35 | 18 16 | 5 12 |
| S 19 | 20 49 | 17 19 | 5 10 | 18 44 | 0 16 | 18 52 | 0 31 | 4 55 | 0 44 | 14 17 | 1 14 | 21 47 | 1 2 | 14 28 | 0 23 | 7 38 | 1 54 | 25 40 | 13 28 | 8 25 | 7 55 | 10 37 | 18 15 | 5 12 |
| M20 | 21 0 | 15 3 | 5 6 | 19 25 | 0 5 | 19 11 | 0 28 | 4 46 | 0 42 | 14 15 | 1 14 | 21 48 | 1 2 | 14 27 | 0 23 | 7 38 | 1 54 | 25 39 | 13 27 | 8 23 | 7 54 | 10 39 | 18 15 | 5 12 |
| T 21 | 21 10 | 12 4 | 4 46 | 20 4 | 0n 5 | 19 30 | 0 26 | 4 37 | 0 40 | 14 13 | 1 14 | 21 49 | 1 2 | 14 26 | 0 23 | 7 38 | 1 54 | 25 39 | 13 27 | 8 22 | 7 53 | 10 40 | 18 14 | 5 13 |
| W22 | 21 21 | 8 36 | 4 12 | 20 43 | 0 16 | 19 48 | 0 24 | 4 28 | 0 38 | 14 11 | 1 14 | 21 50 | 1 2 | 14 25 | 0 23 | 7 37 | 1 54 | 25 38 | 13 27 | 8 21 | 7 52 | 10 42 | 18 14 | 5 13 |
| T 23 | 21 31 | 4 51 | 3 27 | 21 19 | 0 26 | 20 6 | 0 21 | 4 18 | 0 37 | 14 8 | 1 14 | 21 51 | 1 2 | 14 25 | 0 23 | 7 37 | 1 54 | 25 38 | 13 26 | 8 21 | 7 50 | 10 43 | 18 13 | 5 13 |
| F 24 | 21 40 | 0 59 | 2 34 | 21 54 | 0 36 | 20 23 | 0 19 | 4 8 | 0 35 | 14 6 | 1 13 | 21 52 | 1 2 | 14 24 | 0 23 | 7 37 | 1 54 | 25 37 | 13 26 | 8 21 | 7 49 | 10 45 | 18 13 | 5 13 |
| S 25 | 21 50 | 2s52 | 1 35 | 22 26 | 0 46 | 20 40 | 0 17 | 3 59 | 0 33 | 14 4 | 1 13 | 21 53 | 1 2 | 14 24 | 0 23 | 7 36 | 1 54 | 25 37 | 13 26 | 8 22 | 7 48 | 10 46 | 18 13 | 5 14 |
| S 26 | 21 59 | 6 35 | 0 32 | 22 56 | 0 55 | 20 56 | 0 14 | 3 49 | 0 31 | 14 1 | 1 13 | 21 53 | 1 2 | 14 23 | 0 23 | 7 36 | 1 54 | 25 36 | 13 25 | 8 22 | 7 47 | 10 48 | 18 12 | 5 14 |
| M27 | 22 7 | 10 2 | 0n31 | 23 23 | 1 4 | 21 12 | 0 12 | 3 39 | 0 29 | 13 59 | 1 13 | 21 54 | 1 2 | 14 22 | 0 23 | 7 36 | 1 54 | 25 36 | 13 25 | 8 22 | 7 46 | 10 49 | 18 12 | 5 14 |
| T 28 | 22 15 | 13 5 | 1 34 | 23 48 | 1 12 | 21 27 | 0 10 | 3 28 | 0 28 | 13 56 | 1 13 | 21 55 | 1 2 | 14 22 | 0 22 | 7 35 | 1 54 | 25 35 | 13 25 | 8 22 | 7 44 | 10 51 | 18 11 | 5 14 |
| W29 | 22 23 | 15 37 | 2 32 | 24 10 | 1 20 | 21 41 | 0 7 | 3 18 | 0 26 | 13 54 | 1 13 | 21 56 | 1 2 | 14 21 | 0 22 | 7 35 | 1 54 | 25 34 | 13 24 | 8 20 | 7 43 | 10 52 | 18 11 | 5 15 |
| T 30 | 22 30 | 17 30 | 3 25 | 24 30 | 1 27 | 21 55 | 0 5 | 3 7 | 0 24 | 13 51 | 1 12 | 21 57 | 1 1 | 14 20 | 0 22 | 7 35 | 1 54 | 25 34 | 13 24 | 8 18 | 7 42 | 10 54 | 18 11 | 5 15 |
| F 31 | 22n37 | 18s37 | 4n 8 | 24n46 | 1n33 | 22n 8 | 0s 2 | 2n57 | 0n23 | 13n48 | 1n12 | 21n58 | 1s 1 | 14s20 | 0n22 | 7s34 | 1n54 | 25n33 | 13n24 | 8s15 | 7s41 | 10s55 | 18s10 | 5n15 |

Julian Day Number = 2076201.5, Delta T = 26m46s
Ecliptic obliquity = 23°34'12, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'04, Lahiri = 9°32'04 Julian Calendar 1 May 972 == Greg. Calendar 6 May 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## JUNE 972 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 58 57 | 15♊ 5'24 | 27♐29 | 22♊37 | 11♊55 | 23♍52 | 26♌50 | 17♊38 | 9°R19 | 23°R55 | 25♌45 | 20°R52 | 19♎28 | 1♏ 6 | 23°R33 | S 1 |
| S 2 | 17 2 54 | 16° 2'34 | 10♑ 4 | 24°43 | 13° 9 | 24°16 | 26°58 | 17°46 | 9♏17 | 23♎54 | 25°46 | 20♎43 | 19°25 | 1°13 | 23♐29 | S 2 |
| M 3 | 17 6 50 | 16°59'43 | 22°51 | 26°47 | 14°22 | 24°40 | 27° 6 | 17°54 | 9°15 | 23°53 | 25°47 | 20°33 | 19°22 | 1°19 | 23°25 | M 3 |
| T 4 | 17 10 47 | 17°56'53 | 5♒50 | 28°49 | 15°36 | 25° 5 | 27°14 | 18° 2 | 9°13 | 23°53 | 25°48 | 20°26 | 19°19 | 1°26 | 23°22 | T 4 |
| W 5 | 17 14 43 | 18°54'02 | 19° 3 | 0♋49 | 16°50 | 25°29 | 27°21 | 18° 9 | 9°12 | 23°52 | 25°49 | 20°20 | 19°16 | 1°33 | 23°18 | W 5 |
| T 6 | 17 18 40 | 19°51'11 | 2♓28 | 2°47 | 18° 3 | 25°54 | 27°30 | 18°17 | 9°10 | 23°51 | 25°50 | 20°16 | 19°12 | 1°39 | 23°14 | T 6 |
| F 7 | 17 22 36 | 20°48'21 | 16° 8 | 4°44 | 19°17 | 26°20 | 27°38 | 18°25 | 9° 8 | 23°50 | 25°51 | 20°D15 | 19° 9 | 1°46 | 23°10 | F 7 |
| S 8 | 17 26 33 | 21°45'30 | 0♈ 3 | 6°38 | 20°31 | 26°46 | 27°46 | 18°33 | 9° 7 | 23°50 | 25°52 | 20°15 | 19° 6 | 1°53 | 23° 6 | S 8 |
| S 9 | 17 30 30 | 22°42'40 | 14°12 | 8°30 | 21°44 | 27°12 | 27°54 | 18°41 | 9° 5 | 23°49 | 25°53 | 20°R16 | 19° 3 | 1°59 | 23° 2 | S 9 |
| M10 | 17 34 26 | 23°39'50 | 28°36 | 10°20 | 22°58 | 27°38 | 28° 3 | 18°49 | 9° 3 | 23°48 | 25°55 | 20°15 | 19° 0 | 2° 6 | 22°58 | M10 |
| T 11 | 17 38 23 | 24°37'00 | 13♉11 | 12° 8 | 24°12 | 28° 5 | 28°12 | 18°56 | 9° 2 | 23°48 | 25°56 | 20°14 | 18°57 | 2°13 | 22°55 | T 11 |
| W12 | 17 42 19 | 25°34'11 | 27°53 | 13°55 | 25°26 | 28°32 | 28°20 | 19° 4 | 9° 0 | 23°47 | 25°57 | 20° 9 | 18°53 | 2°19 | 22°51 | W12 |
| T 13 | 17 46 16 | 26°31'21 | 12♊35 | 15°38 | 26°39 | 28°59 | 28°29 | 19°12 | 8°59 | 23°47 | 25°58 | 20° 2 | 18°50 | 2°26 | 22°47 | T 13 |
| F 14 | 17 50 12 | 27°28'32 | 27°12 | 17°20 | 27°53 | 29°27 | 28°38 | 19°20 | 8°58 | 23°46 | 25°59 | 19°53 | 18°47 | 2°33 | 22°43 | F 14 |
| S 15 | 17 54 9 | 28°25'43 | 11♋34 | 19° 0 | 29° 7 | 29°55 | 28°47 | 19°28 | 8°56 | 23°46 | 26° 1 | 19°43 | 18°44 | 2°39 | 22°39 | S 15 |
| S 16 | 17 58 5 | 29°22'54 | 25°37 | 20°38 | 0♋21 | 0♎23 | 28°56 | 19°35 | 8°55 | 23°45 | 26° 2 | 19°33 | 18°41 | 2°46 | 22°35 | S 16 |
| M17 | 18 2 2 | 0♋20'05 | 9♌15 | 22°13 | 1°34 | 0°51 | 29° 5 | 19°43 | 8°54 | 23°45 | 26° 3 | 19°23 | 18°37 | 2°52 | 22°32 | M17 |
| T 18 | 18 5 59 | 1°17'16 | 22°28 | 23°47 | 2°48 | 1°20 | 29°15 | 19°51 | 8°52 | 23°44 | 26° 5 | 19°16 | 18°34 | 2°59 | 22°28 | T 18 |
| W19 | 18 9 55 | 2°14'26 | 5♍16 | 25°18 | 4° 2 | 1°49 | 29°24 | 19°59 | 8°51 | 23°44 | 26° 6 | 19°11 | 18°31 | 3° 6 | 22°24 | W19 |
| T 20 | 18 13 52 | 3°11'37 | 17°42 | 26°47 | 5°16 | 2°18 | 29°34 | 20° 6 | 8°50 | 23°44 | 26° 7 | 19° 8 | 18°28 | 3°12 | 22°20 | T 20 |
| F 21 | 18 17 48 | 4° 8'48 | 29°51 | 28°14 | 6°30 | 2°48 | 29°43 | 20°14 | 8°49 | 23°43 | 26° 9 | 19°D 7 | 18°25 | 3°19 | 22°16 | F 21 |
| S 22 | 18 21 45 | 5° 5'59 | 11♎47 | 29°39 | 7°43 | 3°18 | 29°53 | 20°22 | 8°48 | 23°43 | 26°10 | 19° 7 | 18°22 | 3°26 | 22°13 | S 22 |
| S 23 | 18 25 41 | 6° 3'10 | 23°37 | 1♌ 2 | 8°57 | 3°48 | 0♍ 3 | 20°29 | 8°47 | 23°43 | 26°12 | 19°R 7 | 18°18 | 3°32 | 22° 9 | S 23 |
| M24 | 18 29 38 | 7° 0'21 | 5♏25 | 2°22 | 10°11 | 4°18 | 0°13 | 20°37 | 8°46 | 23°43 | 26°13 | 19° 6 | 18°15 | 3°39 | 22° 5 | M24 |
| T 25 | 18 33 34 | 7°57'32 | 17°17 | 3°40 | 11°25 | 4°49 | 0°23 | 20°45 | 8°45 | 23°42 | 26°15 | 19° 3 | 18°12 | 3°46 | 22° 2 | T 25 |
| W26 | 18 37 31 | 8°54'43 | 29°16 | 4°56 | 12°39 | 5°20 | 0°33 | 20°52 | 8°44 | 23°42 | 26°16 | 18°58 | 18° 9 | 3°52 | 21°58 | W26 |
| T 27 | 18 41 28 | 9°51'55 | 11♐26 | 6° 9 | 13°53 | 5°51 | 0°43 | 21° 0 | 8°44 | 23°42 | 26°18 | 18°50 | 18° 6 | 3°59 | 21°55 | T 27 |
| F 28 | 18 45 24 | 10°49'07 | 23°50 | 7°20 | 15° 7 | 6°22 | 0°54 | 21° 7 | 8°43 | 23°42 | 26°19 | 18°39 | 18° 3 | 4° 6 | 21°51 | F 28 |
| S 29 | 18 49 21 | 11°46'20 | 6♑29 | 8°28 | 16°20 | 6°53 | 1° 4 | 21°15 | 8°42 | 23°42 | 26°21 | 18°27 | 17°59 | 4°12 | 21°48 | S 29 |
| S 30 | 18 53 17 | 12♋43'33 | 19♑23 | 9♌33 | 17♋34 | 7♎25 | 1♍14 | 21♊22 | 8♏42 | 23°D42 | 26♌22 | 18♎14 | 17♎56 | 4♏19 | 21♐44 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n44 | 18s52 | 4n41 | 25n 0 | 1n38 | 22n20 | 0s 0 | 2n46 | 0n21 | 13n46 | 1n12 | 21n58 | 1s 1 | 14s19 | 0n22 | 7s34 | 1n54 | 25n33 | 13n23 | 8s11 | 7s40 | 10s57 | 18s10 | 5n15 |
| S 2 | 22 50 | 18 12 | 5 0 | 25 11 | 1 43 | 22 32 | 0n 2 | 2 35 | 0 19 | 13 43 | 1 12 | 21 59 | 1 1 | 14 19 | 0 22 | 7 34 | 1 54 | 25 32 | 13 23 | 8 8 | 7 38 | 10 58 | 18 9 | 5 15 |
| M 3 | 22 56 | 16 36 | 5 5 | 25 19 | 1 47 | 22 44 | 0 5 | 2 24 | 0 18 | 13 40 | 1 12 | 22 0 | 1 1 | 14 18 | 0 22 | 7 33 | 1 54 | 25 31 | 13 23 | 8 4 | 7 37 | 11 0 | 18 9 | 5 16 |
| T 4 | 23 1 | 14 9 | 4 55 | 25 25 | 1 51 | 22 54 | 0 7 | 2 13 | 0 16 | 13 37 | 1 12 | 22 1 | 1 1 | 14 18 | 0 22 | 7 33 | 1 54 | 25 31 | 13 23 | 8 1 | 7 36 | 11 1 | 18 9 | 5 16 |
| W 5 | 23 6 | 10 57 | 4 28 | 25 28 | 1 53 | 23 4 | 0 9 | 2 1 | 0 14 | 13 34 | 1 12 | 22 2 | 1 1 | 14 17 | 0 22 | 7 33 | 1 54 | 25 30 | 13 22 | 7 59 | 7 35 | 11 3 | 18 8 | 5 16 |
| T 6 | 23 11 | 7 7 | 3 47 | 25 28 | 1 55 | 23 14 | 0 12 | 1 50 | 0 13 | 13 32 | 1 11 | 22 2 | 1 1 | 14 17 | 0 22 | 7 33 | 1 54 | 25 29 | 13 22 | 7 58 | 7 34 | 11 4 | 18 8 | 5 16 |
| F 7 | 23 15 | 2 51 | 2 52 | 25 26 | 1 57 | 23 22 | 0 14 | 1 38 | 0 11 | 13 29 | 1 11 | 22 3 | 1 1 | 14 16 | 0 22 | 7 33 | 1 54 | 25 29 | 13 22 | 7 57 | 7 32 | 11 6 | 18 8 | 5 16 |
| S 8 | 23 19 | 1n38 | 1 46 | 25 21 | 1 57 | 23 30 | 0 16 | 1 27 | 0 10 | 13 26 | 1 11 | 22 4 | 1 1 | 14 15 | 0 22 | 7 32 | 1 54 | 25 28 | 13 21 | 7 57 | 7 31 | 11 7 | 18 7 | 5 16 |
| S 9 | 23 22 | 6 8 | 0 32 | 25 14 | 1 57 | 23 37 | 0 19 | 1 15 | 0 8 | 13 23 | 1 11 | 22 5 | 1 1 | 14 15 | 0 22 | 7 32 | 1 53 | 25 27 | 13 21 | 7 58 | 7 30 | 11 9 | 18 7 | 5 16 |
| M10 | 23 25 | 10 21 | 0s44 | 25 6 | 1 56 | 23 44 | 0 21 | 1 3 | 0 7 | 13 19 | 1 11 | 22 5 | 1 1 | 14 15 | 0 22 | 7 32 | 1 53 | 25 27 | 13 21 | 7 57 | 7 29 | 11 10 | 18 7 | 5 17 |
| T 11 | 23 28 | 13 59 | 1 59 | 24 55 | 1 55 | 23 50 | 0 23 | 0 51 | 0 5 | 13 16 | 1 11 | 22 6 | 1 1 | 14 14 | 0 22 | 7 32 | 1 53 | 25 26 | 13 20 | 7 57 | 7 27 | 11 12 | 18 7 | 5 17 |
| W12 | 23 30 | 16 46 | 3 6 | 24 42 | 1 52 | 23 55 | 0 26 | 0 39 | 0 4 | 13 13 | 1 11 | 22 7 | 1 0 | 14 14 | 0 22 | 7 32 | 1 53 | 25 25 | 13 20 | 7 55 | 7 26 | 11 13 | 18 6 | 5 17 |
| T 13 | 23 31 | 18 26 | 4 1 | 24 28 | 1 50 | 24 0 | 0 28 | 0 27 | 0 2 | 13 10 | 1 10 | 22 7 | 1 0 | 14 13 | 0 22 | 7 31 | 1 53 | 25 25 | 13 20 | 7 53 | 7 25 | 11 15 | 18 6 | 5 17 |
| F 14 | 23 33 | 18 53 | 4 40 | 24 12 | 1 46 | 24 3 | 0 30 | 0 14 | 0 1 | 13 7 | 1 10 | 22 8 | 1 0 | 14 13 | 0 22 | 7 31 | 1 53 | 25 24 | 13 20 | 7 49 | 7 24 | 11 16 | 18 6 | 5 17 |
| S 15 | 23 34 | 18 5 | 5 0 | 23 54 | 1 42 | 24 6 | 0 32 | 0 2 | 0s 0 | 13 3 | 1 10 | 22 9 | 1 0 | 14 12 | 0 22 | 7 31 | 1 53 | 25 23 | 13 19 | 7 45 | 7 23 | 11 18 | 18 5 | 5 17 |
| S 16 | 23 34 | 16 12 | 5 1 | 23 35 | 1 38 | 24 9 | 0 35 | 0s11 | 0 2 | 13 0 | 1 10 | 22 10 | 1 0 | 14 12 | 0 22 | 7 31 | 1 53 | 25 22 | 13 19 | 7 41 | 7 21 | 11 19 | 18 5 | 5 17 |
| M17 | 23 34 | 13 27 | 4 45 | 23 15 | 1 33 | 24 10 | 0 37 | 0 23 | 0 3 | 12 57 | 1 10 | 22 10 | 1 0 | 14 12 | 0 22 | 7 31 | 1 53 | 25 22 | 13 19 | 7 38 | 7 20 | 11 21 | 18 5 | 5 17 |
| T 18 | 23 34 | 10 6 | 4 14 | 22 54 | 1 27 | 24 11 | 0 39 | 0 36 | 0 4 | 12 53 | 1 10 | 22 11 | 1 0 | 14 11 | 0 22 | 7 31 | 1 53 | 25 21 | 13 18 | 7 35 | 7 19 | 11 22 | 18 5 | 5 17 |
| W19 | 23 33 | 6 22 | 3 31 | 22 31 | 1 21 | 24 11 | 0 41 | 0 49 | 0 6 | 12 50 | 1 10 | 22 12 | 1 0 | 14 11 | 0 22 | 7 31 | 1 53 | 25 20 | 13 18 | 7 33 | 7 18 | 11 24 | 18 4 | 5 17 |
| T 20 | 23 32 | 2 27 | 2 39 | 22 8 | 1 14 | 24 11 | 0 43 | 1 2 | 0 7 | 12 46 | 1 10 | 22 12 | 1 0 | 14 11 | 0 22 | 7 31 | 1 53 | 25 20 | 13 18 | 7 32 | 7 17 | 11 25 | 18 4 | 5 17 |
| F 21 | 23 30 | 1s29 | 1 41 | 21 43 | 1 7 | 24 10 | 0 45 | 1 15 | 0 8 | 12 43 | 1 10 | 22 13 | 1 0 | 14 10 | 0 22 | 7 31 | 1 53 | 25 19 | 13 18 | 7 31 | 7 15 | 11 26 | 18 4 | 5 17 |
| S 22 | 23 28 | 5 17 | 0 39 | 21 18 | 0 59 | 24 8 | 0 47 | 1 28 | 0 10 | 12 39 | 1 9 | 22 13 | 1 0 | 14 10 | 0 22 | 7 31 | 1 53 | 25 18 | 13 17 | 7 31 | 7 14 | 11 28 | 18 4 | 5 17 |
| S 23 | 23 26 | 8 51 | 0n24 | 20 52 | 0 51 | 24 5 | 0 49 | 1 41 | 0 11 | 12 36 | 1 9 | 22 14 | 1 0 | 14 10 | 0 22 | 7 31 | 1 53 | 25 17 | 13 17 | 7 31 | 7 13 | 11 29 | 18 4 | 5 17 |
| M24 | 23 23 | 12 3 | 1 26 | 20 26 | 0 43 | 24 1 | 0 51 | 1 54 | 0 12 | 12 32 | 1 9 | 22 15 | 1 0 | 14 9 | 0 22 | 7 31 | 1 53 | 25 17 | 13 17 | 7 31 | 7 12 | 11 31 | 18 3 | 5 17 |
| T 25 | 23 20 | 14 47 | 2 24 | 19 59 | 0 34 | 23 57 | 0 53 | 2 8 | 0 13 | 12 28 | 1 9 | 22 15 | 1 0 | 14 9 | 0 22 | 7 31 | 1 53 | 25 16 | 13 17 | 7 30 | 7 10 | 11 32 | 18 3 | 5 17 |
| W26 | 23 16 | 16 55 | 3 16 | 19 32 | 0 25 | 23 52 | 0 55 | 2 21 | 0 15 | 12 25 | 1 9 | 22 16 | 1 0 | 14 9 | 0 22 | 7 31 | 1 52 | 25 15 | 13 16 | 7 28 | 7 9 | 11 34 | 18 3 | 5 17 |
| T 27 | 23 12 | 18 19 | 4 0 | 19 5 | 0 15 | 23 47 | 0 57 | 2 35 | 0 16 | 12 21 | 1 9 | 22 16 | 1 0 | 14 9 | 0 22 | 7 31 | 1 52 | 25 14 | 13 16 | 7 25 | 7 8 | 11 35 | 18 3 | 5 17 |
| F 28 | 23 8 | 18 52 | 4 33 | 18 37 | 0 5 | 23 41 | 0 58 | 2 48 | 0 17 | 12 17 | 1 9 | 22 17 | 0 59 | 14 8 | 0 22 | 7 31 | 1 52 | 25 14 | 13 16 | 7 21 | 7 7 | 11 37 | 18 3 | 5 17 |
| S 29 | 23 3 | 18 31 | 4 54 | 18 9 | 0s 6 | 23 34 | 1 0 | 3 2 | 0 18 | 12 13 | 1 9 | 22 17 | 0 59 | 14 8 | 0 22 | 7 31 | 1 52 | 25 13 | 13 16 | 7 16 | 7 6 | 11 38 | 18 2 | 5 17 |
| S 30 | 22n57 | 17s12 | 5n 1 | 17n42 | 0s16 | 23n26 | 1n 2 | 3s15 | 0s19 | 12n10 | 1n 9 | 22n18 | 0s59 | 14s 8 | 0n22 | 7s31 | 1n52 | 25n12 | 13n16 | 7s11 | 7s 4 | 11s40 | 18s 2 | 5n17 |

Julian Day Number = 2076232.5, Delta T = 26m45s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'08, Lahiri = 9°32'09 Julian Calendar 1 June 972 == Greg. Calendar 6 June 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## JULY 972 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 57 14 | 13♋40'47 | 2♒31 | 10♌36 | 18♋48 | 7♎57 | 1♍25 | 21♊30 | 8°R41 | 23♎42 | 26♌24 | 18°R 2 | 17♎53 | 4♏26 | 21°R41 | M 1 |
| T 2 | 19 1 10 | 14°38'02 | 15°51 | 11°36 | 20° 2 | 8°29 | 1°35 | 21°37 | 8♏40 | 23°42 | 26°26 | 17♎52 | 17°50 | 4°32 | 21♐37 | T 2 |
| W 3 | 19 5 7 | 15°35'17 | 29°22 | 12°33 | 21°16 | 9° 1 | 1°46 | 21°45 | 8°40 | 23°42 | 26°27 | 17°44 | 17°47 | 4°39 | 21°34 | W 3 |
| T 4 | 19 9 3 | 16°32'33 | 13♓ 3 | 13°27 | 22°30 | 9°34 | 1°57 | 21°52 | 8°39 | 23°42 | 26°29 | 17°39 | 17°43 | 4°46 | 21°31 | T 4 |
| F 5 | 19 13 0 | 17°29'50 | 26°52 | 14°18 | 23°44 | 10° 7 | 2° 8 | 21°59 | 8°39 | 23°42 | 26°31 | 17°36 | 17°40 | 4°52 | 21°27 | F 5 |
| S 6 | 19 16 57 | 18°27'08 | 10♈49 | 15° 6 | 24°58 | 10°40 | 2°18 | 22° 7 | 8°39 | 23°43 | 26°32 | 17°35 | 17°37 | 4°59 | 21°24 | S 6 |
| S 7 | 19 20 53 | 19°24'28 | 24°54 | 15°50 | 26°12 | 11°13 | 2°29 | 22°14 | 8°38 | 23°43 | 26°34 | 17°35 | 17°34 | 5° 6 | 21°21 | S 7 |
| M 8 | 19 24 50 | 20°21'48 | 9♉ 4 | 16°31 | 27°26 | 11°46 | 2°40 | 22°21 | 8°38 | 23°43 | 26°36 | 17°35 | 17°31 | 5°12 | 21°18 | M 8 |
| T 9 | 19 28 46 | 21°19'10 | 23°21 | 17° 7 | 28°40 | 12°20 | 2°52 | 22°28 | 8°38 | 23°43 | 26°38 | 17°32 | 17°28 | 5°19 | 21°15 | T 9 |
| W10 | 19 32 43 | 22°16'33 | 7♊40 | 17°40 | 29°54 | 12°54 | 3° 3 | 22°36 | 8°38 | 23°44 | 26°39 | 17°27 | 17°24 | 5°25 | 21°12 | W10 |
| T 11 | 19 36 39 | 23°13'57 | 21°58 | 18° 9 | 1♌ 8 | 13°28 | 3°14 | 22°43 | 8°38 | 23°44 | 26°41 | 17°20 | 17°21 | 5°32 | 21° 9 | T 11 |
| F 12 | 19 40 36 | 24°11'22 | 6♋11 | 18°33 | 2°22 | 14° 2 | 3°25 | 22°50 | 8°D38 | 23°44 | 26°43 | 17° 9 | 17°18 | 5°39 | 21° 6 | F 12 |
| S 13 | 19 44 32 | 25° 8'48 | 20°13 | 18°53 | 3°36 | 14°36 | 3°37 | 22°57 | 8°38 | 23°45 | 26°45 | 16°58 | 17°15 | 5°45 | 21° 3 | S 13 |
| S 14 | 19 48 29 | 26° 6'15 | 3♌59 | 19° 8 | 4°50 | 15°11 | 3°48 | 23° 4 | 8°38 | 23°45 | 26°47 | 16°46 | 17°12 | 5°52 | 21° 0 | S 14 |
| M15 | 19 52 26 | 27° 3'43 | 17°25 | 19°18 | 6° 4 | 15°45 | 4° 0 | 23°11 | 8°38 | 23°46 | 26°49 | 16°35 | 17° 9 | 5°59 | 20°57 | M15 |
| T 16 | 19 56 22 | 28° 1'12 | 0♍31 | 19°R23 | 7°18 | 16°20 | 4°11 | 23°18 | 8°38 | 23°46 | 26°50 | 16°26 | 17° 5 | 6° 5 | 20°55 | T 16 |
| W17 | 20 0 19 | 28°58'42 | 13°15 | 19°23 | 8°32 | 16°55 | 4°23 | 23°25 | 8°38 | 23°47 | 26°52 | 16°20 | 17° 2 | 6°12 | 20°52 | W17 |
| T 18 | 20 4 15 | 29°56'13 | 25°39 | 19°18 | 9°46 | 17°31 | 4°34 | 23°32 | 8°38 | 23°47 | 26°54 | 16°16 | 16°59 | 6°19 | 20°50 | T 18 |
| F 19 | 20 8 12 | 0♌53'44 | 7♎47 | 19° 7 | 11° 0 | 18° 6 | 4°46 | 23°38 | 8°39 | 23°48 | 26°56 | 16°14 | 16°56 | 6°25 | 20°47 | F 19 |
| S 20 | 20 12 8 | 1°51'17 | 19°44 | 18°51 | 12°14 | 18°42 | 4°58 | 23°45 | 8°39 | 23°48 | 26°58 | 16°D14 | 16°53 | 6°32 | 20°45 | S 20 |
| S 21 | 20 16 5 | 2°48'51 | 1♏34 | 18°29 | 13°28 | 19°18 | 5°10 | 23°52 | 8°40 | 23°49 | 27° 0 | 16°R14 | 16°49 | 6°39 | 20°42 | S 21 |
| M22 | 20 20 1 | 3°46'25 | 13°23 | 18° 2 | 14°42 | 19°54 | 5°22 | 23°59 | 8°40 | 23°50 | 27° 2 | 16°14 | 16°46 | 6°45 | 20°40 | M22 |
| T 23 | 20 23 58 | 4°44'01 | 25°17 | 17°31 | 15°56 | 20°30 | 5°34 | 24° 5 | 8°41 | 23°50 | 27° 4 | 16°12 | 16°43 | 6°52 | 20°38 | T 23 |
| W24 | 20 27 55 | 5°41'38 | 7♐19 | 16°54 | 17°10 | 21° 6 | 5°46 | 24°12 | 8°41 | 23°51 | 27° 6 | 16° 8 | 16°40 | 6°59 | 20°36 | W24 |
| T 25 | 20 31 51 | 6°39'15 | 19°35 | 16°13 | 18°24 | 21°42 | 5°58 | 24°18 | 8°42 | 23°52 | 27° 8 | 16° 1 | 16°37 | 7° 5 | 20°34 | T 25 |
| F 26 | 20 35 48 | 7°36'54 | 2♑ 8 | 15°28 | 19°38 | 22°19 | 6°10 | 24°25 | 8°43 | 23°53 | 27°10 | 15°53 | 16°34 | 7°12 | 20°32 | F 26 |
| S 27 | 20 39 44 | 8°34'34 | 15° 0 | 14°41 | 20°52 | 22°56 | 6°22 | 24°31 | 8°43 | 23°54 | 27°12 | 15°42 | 16°30 | 7°19 | 20°30 | S 27 |
| S 28 | 20 43 41 | 9°32'16 | 28°11 | 13°50 | 22° 6 | 23°33 | 6°34 | 24°37 | 8°44 | 23°54 | 27°14 | 15°31 | 16°27 | 7°25 | 20°28 | S 28 |
| M29 | 20 47 37 | 10°29'58 | 11♒40 | 12°59 | 23°20 | 24°10 | 6°46 | 24°44 | 8°45 | 23°55 | 27°16 | 15°21 | 16°24 | 7°32 | 20°26 | M29 |
| T 30 | 20 51 34 | 11°27'43 | 25°24 | 12° 7 | 24°34 | 24°47 | 6°59 | 24°50 | 8°46 | 23°56 | 27°18 | 15°12 | 16°21 | 7°39 | 20°24 | T 30 |
| W31 | 20 55 30 | 12♌25'28 | 9♓20 | 11♌15 | 25♌48 | 25♎24 | 7♍11 | 24♊56 | 8♏47 | 23♎57 | 27♌20 | 15♎ 5 | 16♎18 | 7♏45 | 20♐23 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n52 | 14s59 | 4n51 | 17n14 | 0s27 | 23n17 | 1n 3 | 3s29 | 0s21 | 12n 6 | 1n 8 | 22n18 | 0s59 | 14s 8 | 0n22 | 7s31 | 1n52 | 25n11 | 13n15 | 7s 7 | 7s 3 | 11s41 | 18s 2 | 5n17 |
| T 2 | 22 46 | 11 56 | 4 26 | 16 47 | 0 39 | 23 8 | 1 5 | 3 43 | 0 22 | 12 2 | 1 8 | 22 19 | 0 59 | 14 8 | 0 22 | 7 31 | 1 52 | 25 10 | 13 15 | 7 3 | 7 2 | 11 42 | 18 2 | 5 17 |
| W 3 | 22 39 | 8 14 | 3 46 | 16 19 | 0 50 | 22 59 | 1 7 | 3 57 | 0 23 | 11 58 | 1 8 | 22 19 | 0 59 | 14 8 | 0 22 | 7 31 | 1 52 | 25 10 | 13 15 | 7 0 | 7 1 | 11 44 | 18 2 | 5 17 |
| T 4 | 22 32 | 4 3 | 2 52 | 15 53 | 1 2 | 22 48 | 1 8 | 4 11 | 0 24 | 11 54 | 1 8 | 22 20 | 0 59 | 14 7 | 0 22 | 7 31 | 1 52 | 25 9 | 13 15 | 6 58 | 7 0 | 11 45 | 18 2 | 5 17 |
| F 5 | 22 25 | 0n23 | 1 47 | 15 26 | 1 14 | 22 37 | 1 10 | 4 25 | 0 25 | 11 50 | 1 8 | 22 20 | 0 59 | 14 7 | 0 22 | 7 31 | 1 52 | 25 8 | 13 15 | 6 57 | 6 58 | 11 47 | 18 2 | 5 16 |
| S 6 | 22 17 | 4 51 | 0 36 | 15 1 | 1 27 | 22 25 | 1 11 | 4 39 | 0 26 | 11 46 | 1 8 | 22 21 | 0 59 | 14 7 | 0 22 | 7 31 | 1 52 | 25 7 | 13 14 | 6 56 | 6 57 | 11 48 | 18 2 | 5 16 |
| S 7 | 22 9 | 9 5 | 0s39 | 14 36 | 1 39 | 22 13 | 1 12 | 4 53 | 0 27 | 11 42 | 1 8 | 22 21 | 0 59 | 14 7 | 0 22 | 7 31 | 1 52 | 25 6 | 13 14 | 6 56 | 6 56 | 11 50 | 18 2 | 5 16 |
| M 8 | 22 1 | 12 51 | 1 51 | 14 12 | 1 52 | 22 0 | 1 14 | 5 7 | 0 28 | 11 38 | 1 8 | 22 22 | 0 59 | 14 7 | 0 21 | 7 31 | 1 52 | 25 6 | 13 14 | 6 56 | 6 55 | 11 51 | 18 1 | 5 16 |
| T 9 | 21 52 | 15 51 | 2 57 | 13 48 | 2 5 | 21 46 | 1 15 | 5 21 | 0 29 | 11 34 | 1 8 | 22 22 | 0 59 | 14 7 | 0 21 | 7 32 | 1 52 | 25 5 | 13 14 | 6 55 | 6 53 | 11 52 | 18 1 | 5 16 |
| W10 | 21 43 | 17 53 | 3 52 | 13 26 | 2 17 | 21 31 | 1 16 | 5 35 | 0 30 | 11 30 | 1 8 | 22 23 | 0 59 | 14 7 | 0 21 | 7 32 | 1 52 | 25 4 | 13 14 | 6 53 | 6 52 | 11 54 | 18 1 | 5 16 |
| T 11 | 21 33 | 18 48 | 4 32 | 13 5 | 2 30 | 21 16 | 1 17 | 5 49 | 0 31 | 11 25 | 1 8 | 22 23 | 0 59 | 14 7 | 0 21 | 7 32 | 1 52 | 25 3 | 13 14 | 6 50 | 6 51 | 11 55 | 18 1 | 5 16 |
| F 12 | 21 24 | 18 30 | 4 56 | 12 46 | 2 43 | 21 1 | 1 18 | 6 4 | 0 32 | 11 21 | 1 8 | 22 24 | 0 59 | 14 7 | 0 21 | 7 32 | 1 52 | 25 3 | 13 13 | 6 46 | 6 50 | 11 57 | 18 1 | 5 16 |
| S 13 | 21 13 | 17 5 | 5 0 | 12 28 | 2 56 | 20 44 | 1 19 | 6 18 | 0 33 | 11 17 | 1 7 | 22 24 | 0 59 | 14 7 | 0 21 | 7 32 | 1 51 | 25 2 | 13 13 | 6 42 | 6 49 | 11 58 | 18 1 | 5 15 |
| S 14 | 21 3 | 14 42 | 4 48 | 12 11 | 3 8 | 20 28 | 1 20 | 6 32 | 0 34 | 11 13 | 1 7 | 22 24 | 0 59 | 14 7 | 0 21 | 7 33 | 1 51 | 25 1 | 13 13 | 6 37 | 6 47 | 12 0 | 18 1 | 5 15 |
| M15 | 20 52 | 11 35 | 4 19 | 11 57 | 3 20 | 20 10 | 1 21 | 6 47 | 0 35 | 11 9 | 1 7 | 22 25 | 0 59 | 14 7 | 0 21 | 7 33 | 1 51 | 25 0 | 13 13 | 6 33 | 6 46 | 12 1 | 18 1 | 5 15 |
| T 16 | 20 40 | 7 58 | 3 37 | 11 44 | 3 32 | 19 52 | 1 22 | 7 1 | 0 36 | 11 4 | 1 7 | 22 25 | 0 59 | 14 7 | 0 21 | 7 33 | 1 51 | 24 59 | 13 13 | 6 30 | 6 45 | 12 2 | 18 1 | 5 15 |
| W17 | 20 29 | 4 4 | 2 46 | 11 33 | 3 43 | 19 34 | 1 23 | 7 16 | 0 37 | 11 0 | 1 7 | 22 26 | 0 59 | 14 7 | 0 21 | 7 33 | 1 51 | 24 59 | 13 13 | 6 27 | 6 44 | 12 4 | 18 1 | 5 15 |
| T 18 | 20 16 | 0 6 | 1 47 | 11 25 | 3 54 | 19 15 | 1 24 | 7 30 | 0 38 | 10 56 | 1 7 | 22 26 | 0 59 | 14 7 | 0 21 | 7 34 | 1 51 | 24 58 | 13 13 | 6 26 | 6 42 | 12 5 | 18 1 | 5 14 |
| F 19 | 20 4 | 3s47 | 0 45 | 11 18 | 4 4 | 18 55 | 1 24 | 7 45 | 0 39 | 10 51 | 1 7 | 22 26 | 0 59 | 14 8 | 0 21 | 7 34 | 1 51 | 24 57 | 13 13 | 6 25 | 6 41 | 12 7 | 18 1 | 5 14 |
| S 20 | 19 51 | 7 28 | 0n19 | 11 14 | 4 13 | 18 35 | 1 25 | 7 59 | 0 40 | 10 47 | 1 7 | 22 27 | 0 59 | 14 8 | 0 21 | 7 34 | 1 51 | 24 56 | 13 12 | 6 25 | 6 40 | 12 8 | 18 1 | 5 14 |
| S 21 | 19 38 | 10 49 | 1 21 | 11 13 | 4 22 | 18 14 | 1 25 | 8 14 | 0 41 | 10 42 | 1 7 | 22 27 | 0 59 | 14 8 | 0 21 | 7 34 | 1 51 | 24 55 | 13 12 | 6 25 | 6 39 | 12 9 | 18 1 | 5 14 |
| M22 | 19 25 | 13 44 | 2 19 | 11 14 | 4 29 | 17 53 | 1 26 | 8 28 | 0 42 | 10 38 | 1 7 | 22 27 | 0 59 | 14 8 | 0 21 | 7 35 | 1 51 | 24 55 | 13 12 | 6 25 | 6 38 | 12 11 | 18 2 | 5 14 |
| T 23 | 19 11 | 16 5 | 3 12 | 11 18 | 4 35 | 17 31 | 1 26 | 8 43 | 0 43 | 10 33 | 1 7 | 22 28 | 0 59 | 14 8 | 0 21 | 7 35 | 1 51 | 24 54 | 13 12 | 6 24 | 6 36 | 12 12 | 18 2 | 5 13 |
| W24 | 18 57 | 17 45 | 3 57 | 11 25 | 4 39 | 17 9 | 1 27 | 8 57 | 0 44 | 10 29 | 1 7 | 22 28 | 0 59 | 14 9 | 0 21 | 7 35 | 1 51 | 24 53 | 13 12 | 6 23 | 6 35 | 12 14 | 18 2 | 5 13 |
| T 25 | 18 43 | 18 38 | 4 32 | 11 34 | 4 42 | 16 46 | 1 27 | 9 12 | 0 45 | 10 24 | 1 7 | 22 28 | 0 59 | 14 9 | 0 21 | 7 36 | 1 51 | 24 52 | 13 12 | 6 20 | 6 34 | 12 15 | 18 2 | 5 13 |
| F 26 | 18 28 | 18 39 | 4 55 | 11 46 | 4 44 | 16 23 | 1 27 | 9 26 | 0 45 | 10 20 | 1 7 | 22 28 | 0 59 | 14 9 | 0 21 | 7 36 | 1 51 | 24 51 | 13 12 | 6 17 | 6 33 | 12 16 | 18 2 | 5 13 |
| S 27 | 18 13 | 17 42 | 5 3 | 12 0 | 4 43 | 16 0 | 1 27 | 9 41 | 0 46 | 10 15 | 1 7 | 22 29 | 0 59 | 14 9 | 0 21 | 7 36 | 1 51 | 24 51 | 13 12 | 6 13 | 6 31 | 12 18 | 18 2 | 5 12 |
| S 28 | 17 58 | 15 48 | 4 56 | 12 16 | 4 41 | 15 36 | 1 27 | 9 55 | 0 47 | 10 11 | 1 7 | 22 29 | 0 59 | 14 10 | 0 21 | 7 37 | 1 51 | 24 50 | 13 12 | 6 9 | 6 30 | 12 19 | 18 2 | 5 12 |
| M29 | 17 42 | 13 1 | 4 32 | 12 35 | 4 37 | 15 11 | 1 27 | 10 10 | 0 48 | 10 6 | 1 7 | 22 29 | 0 59 | 14 10 | 0 21 | 7 37 | 1 51 | 24 49 | 13 12 | 6 4 | 6 29 | 12 20 | 18 2 | 5 12 |
| T 30 | 17 26 | 9 29 | 3 52 | 12 55 | 4 31 | 14 46 | 1 27 | 10 24 | 0 49 | 10 2 | 1 7 | 22 30 | 0 59 | 14 10 | 0 21 | 7 38 | 1 50 | 24 48 | 13 12 | 6 1 | 6 28 | 12 22 | 18 2 | 5 12 |
| W31 | 17n10 | 5s22 | 2n58 | 13n17 | 4s23 | 14n21 | 1n27 | 10s39 | 0s50 | 9n57 | 1n 6 | 22n30 | 0s59 | 14s10 | 0n21 | 7s38 | 1n50 | 24n48 | 13n12 | 5s58 | 6s27 | 12s23 | 18s 3 | 5n11 |

Julian Day Number = 2076262.5, Delta T = 26m45s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'12, Lahiri = 9°32'13 Julian Calendar 1 July 972 == Greg. Calendar 6 July 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## AUGUST 972 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 59 27 | 13♌23'15 | 23♓24 | 10°R25 | 27♌ 3 | 26♎ 2 | 7♍23 | 25♊ 2 | 8♏48 | 23♎58 | 27♌22 | 15°R 0 | 16♎15 | 7♏52 | 20°R21 | T 1 |
| F 2 | 21 3 24 | 14°21'04 | 7♈33 | 9♌37 | 28°17 | 26°39 | 7°36 | 25° 8 | 8°49 | 23°59 | 27°24 | 14♎59 | 16°11 | 7°59 | 20♐20 | F 2 |
| S 3 | 21 7 20 | 15°18'55 | 21°43 | 8°54 | 29°31 | 27°17 | 7°48 | 25°14 | 8°50 | 24° 0 | 27°26 | 14°D59 | 16° 8 | 8° 5 | 20°18 | S 3 |
| S 4 | 21 11 17 | 16°16'47 | 5♉54 | 8°14 | 0♍45 | 27°55 | 8° 0 | 25°20 | 8°51 | 24° 1 | 27°28 | 14°59 | 16° 5 | 8°12 | 20°17 | S 4 |
| M 5 | 21 15 13 | 17°14'42 | 20° 2 | 7°41 | 1°59 | 28°33 | 8°13 | 25°26 | 8°52 | 24° 2 | 27°30 | 14°R59 | 16° 2 | 8°18 | 20°16 | M 5 |
| T 6 | 21 19 10 | 18°12'38 | 4♊ 8 | 7°13 | 3°13 | 29°11 | 8°26 | 25°32 | 8°53 | 24° 4 | 27°32 | 14°58 | 15°59 | 8°25 | 20°14 | T 6 |
| W 7 | 21 23 6 | 19°10'37 | 18° 9 | 6°53 | 4°27 | 29°50 | 8°38 | 25°37 | 8°55 | 24° 5 | 27°34 | 14°55 | 15°55 | 8°32 | 20°13 | W 7 |
| T 8 | 21 27 3 | 20° 8'37 | 2♋ 5 | 6°40 | 5°41 | 0♏28 | 8°51 | 25°43 | 8°56 | 24° 6 | 27°36 | 14°50 | 15°52 | 8°38 | 20°12 | T 8 |
| F 9 | 21 30 59 | 21° 6'39 | 15°52 | 6°D35 | 6°55 | 1° 7 | 9° 3 | 25°49 | 8°57 | 24° 7 | 27°39 | 14°42 | 15°49 | 8°45 | 20°11 | F 9 |
| S 10 | 21 34 56 | 22° 4'43 | 29°28 | 6°38 | 8° 9 | 1°46 | 9°16 | 25°54 | 8°59 | 24° 8 | 27°41 | 14°34 | 15°46 | 8°52 | 20°10 | S 10 |
| S 11 | 21 38 53 | 23° 2'49 | 12♌50 | 6°50 | 9°24 | 2°25 | 9°29 | 26° 0 | 9° 0 | 24°10 | 27°43 | 14°25 | 15°43 | 8°58 | 20°10 | S 11 |
| M12 | 21 42 49 | 24° 0'57 | 25°57 | 7°10 | 10°38 | 3° 4 | 9°41 | 26° 5 | 9° 2 | 24°11 | 27°45 | 14°17 | 15°40 | 9° 5 | 20° 9 | M12 |
| T 13 | 21 46 46 | 24°59'06 | 8♍47 | 7°38 | 11°52 | 3°43 | 9°54 | 26°10 | 9° 3 | 24°12 | 27°47 | 14°10 | 15°36 | 9°12 | 20° 8 | T 13 |
| W14 | 21 50 42 | 25°57'17 | 21°21 | 8°15 | 13° 6 | 4°22 | 10° 7 | 26°16 | 9° 5 | 24°14 | 27°49 | 14° 5 | 15°33 | 9°18 | 20° 8 | W14 |
| T 15 | 21 54 39 | 26°55'29 | 3♎39 | 8°59 | 14°20 | 5° 2 | 10°20 | 26°21 | 9° 7 | 24°15 | 27°51 | 14° 3 | 15°30 | 9°25 | 20° 7 | T 15 |
| F 16 | 21 58 35 | 27°53'44 | 15°44 | 9°52 | 15°34 | 5°41 | 10°32 | 26°26 | 9° 8 | 24°16 | 27°53 | 14°D 2 | 15°27 | 9°32 | 20° 7 | F 16 |
| S 17 | 22 2 32 | 28°51'59 | 27°39 | 10°52 | 16°48 | 6°21 | 10°45 | 26°31 | 9°10 | 24°18 | 27°55 | 14° 3 | 15°24 | 9°38 | 20° 7 | S 17 |
| S 18 | 22 6 28 | 29°50'17 | 9♏28 | 11°59 | 18° 2 | 7° 1 | 10°58 | 26°36 | 9°12 | 24°19 | 27°57 | 14° 4 | 15°20 | 9°45 | 20° 7 | S 18 |
| M19 | 22 10 25 | 0♍48'36 | 21°17 | 13°12 | 19°16 | 7°40 | 11°11 | 26°40 | 9°14 | 24°21 | 28° 0 | 14° 6 | 15°17 | 9°52 | 20° 6 | M19 |
| T 20 | 22 14 22 | 1°46'57 | 3♐10 | 14°31 | 20°30 | 8°21 | 11°24 | 26°45 | 9°16 | 24°22 | 28° 2 | 14°R 6 | 15°14 | 9°58 | 20°D 6 | T 20 |
| W21 | 22 18 18 | 2°45'19 | 15°13 | 15°56 | 21°45 | 9° 1 | 11°37 | 26°50 | 9°18 | 24°24 | 28° 4 | 14° 5 | 15°11 | 10° 5 | 20° 7 | W21 |
| T 22 | 22 22 15 | 3°43'43 | 27°30 | 17°26 | 22°59 | 9°41 | 11°50 | 26°54 | 9°20 | 24°25 | 28° 6 | 14° 2 | 15° 8 | 10°12 | 20° 7 | T 22 |
| F 23 | 22 26 11 | 4°42'09 | 10♑ 6 | 19° 0 | 24°13 | 10°21 | 12° 3 | 26°59 | 9°22 | 24°27 | 28° 8 | 13°58 | 15° 5 | 10°18 | 20° 7 | F 23 |
| S 24 | 22 30 8 | 5°40'36 | 23° 3 | 20°38 | 25°27 | 11° 2 | 12°16 | 27° 3 | 9°24 | 24°29 | 28°10 | 13°53 | 15° 1 | 10°25 | 20° 7 | S 24 |
| S 25 | 22 34 4 | 6°39'05 | 6♒24 | 22°18 | 26°41 | 11°43 | 12°28 | 27° 8 | 9°26 | 24°30 | 28°12 | 13°47 | 14°58 | 10°32 | 20° 8 | S 25 |
| M26 | 22 38 1 | 7°37'36 | 20° 7 | 24° 2 | 27°55 | 12°23 | 12°41 | 27°12 | 9°28 | 24°32 | 28°14 | 13°41 | 14°55 | 10°38 | 20° 8 | M26 |
| T 27 | 22 41 57 | 8°36'09 | 4♓10 | 25°48 | 29° 9 | 13° 4 | 12°54 | 27°16 | 9°30 | 24°34 | 28°16 | 13°36 | 14°52 | 10°45 | 20° 9 | T 27 |
| W28 | 22 45 54 | 9°34'44 | 18°30 | 27°35 | 0♎23 | 13°45 | 13° 7 | 27°20 | 9°33 | 24°35 | 28°18 | 13°32 | 14°49 | 10°52 | 20° 9 | W28 |
| T 29 | 22 49 50 | 10°33'20 | 3♈ 0 | 29°24 | 1°37 | 14°26 | 13°20 | 27°24 | 9°35 | 24°37 | 28°20 | 13°30 | 14°46 | 10°58 | 20°10 | T 29 |
| F 30 | 22 53 47 | 11°31'59 | 17°35 | 1♍14 | 2°51 | 15° 7 | 13°33 | 27°28 | 9°37 | 24°39 | 28°22 | 13°D30 | 14°42 | 11° 5 | 20°11 | F 30 |
| S 31 | 22 57 44 | 12♍30'40 | 2♉ 9 | 3♍ 5 | 4♎ 5 | 15♏49 | 13♍46 | 27♊32 | 9♏40 | 24♎41 | 28♌24 | 13♎31 | 14♎39 | 11♏12 | 20♐12 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n54 | 0s55 | 1n53 | 13n39 | 4s13 | 13n55 | 1n27 | 10s53 | 0s50 | 9n52 | 1n 6 | 22n30 | 0s59 | 14s11 | 0n21 | 7s38 | 1n50 | 24n47 | 13n12 | 5s57 | 6s25 | 12s25 | 18s 3 | 5n11 |
| F 2 | 16 37 | 3n37 | 0 40 | 14 3 | 4 2 | 13 29 | 1 27 | 11 8 | 0 51 | 9 48 | 1 6 | 22 30 | 0 59 | 14 11 | 0 21 | 7 39 | 1 50 | 24 46 | 13 12 | 5 56 | 6 24 | 12 26 | 18 3 | 5 11 |
| S 3 | 16 20 | 7 57 | 0s36 | 14 27 | 3 49 | 13 3 | 1 26 | 11 22 | 0 52 | 9 43 | 1 6 | 22 31 | 0 59 | 14 12 | 0 21 | 7 39 | 1 50 | 24 45 | 13 12 | 5 56 | 6 23 | 12 27 | 18 3 | 5 11 |
| S 4 | 16 3 | 11 50 | 1 50 | 14 51 | 3 35 | 12 36 | 1 26 | 11 37 | 0 53 | 9 38 | 1 6 | 22 31 | 0 59 | 14 12 | 0 21 | 7 40 | 1 50 | 24 45 | 13 12 | 5 56 | 6 22 | 12 29 | 18 3 | 5 10 |
| M 5 | 15 45 | 15 1 | 2 56 | 15 15 | 3 19 | 12 9 | 1 25 | 11 51 | 0 53 | 9 33 | 1 6 | 22 31 | 0 59 | 14 12 | 0 21 | 7 40 | 1 50 | 24 44 | 13 12 | 5 56 | 6 20 | 12 30 | 18 3 | 5 10 |
| T 6 | 15 27 | 17 17 | 3 52 | 15 38 | 3 2 | 11 42 | 1 25 | 12 5 | 0 54 | 9 29 | 1 6 | 22 31 | 0 59 | 14 13 | 0 21 | 7 41 | 1 50 | 24 43 | 13 12 | 5 56 | 6 19 | 12 31 | 18 4 | 5 10 |
| W 7 | 15 9 | 18 30 | 4 34 | 15 59 | 2 45 | 11 14 | 1 24 | 12 20 | 0 55 | 9 24 | 1 6 | 22 31 | 0 59 | 14 13 | 0 21 | 7 41 | 1 50 | 24 42 | 13 12 | 5 55 | 6 18 | 12 33 | 18 4 | 5 9 |
| T 8 | 14 51 | 18 35 | 4 59 | 16 20 | 2 27 | 10 46 | 1 24 | 12 34 | 0 56 | 9 19 | 1 6 | 22 32 | 0 59 | 14 14 | 0 21 | 7 42 | 1 50 | 24 42 | 13 12 | 5 52 | 6 17 | 12 34 | 18 4 | 5 9 |
| F 9 | 14 32 | 17 33 | 5 6 | 16 39 | 2 9 | 10 18 | 1 23 | 12 48 | 0 56 | 9 14 | 1 6 | 22 32 | 0 59 | 14 14 | 0 21 | 7 42 | 1 50 | 24 41 | 13 12 | 5 50 | 6 15 | 12 35 | 18 4 | 5 9 |
| S 10 | 14 14 | 15 33 | 4 56 | 16 56 | 1 51 | 9 49 | 1 22 | 13 2 | 0 57 | 9 10 | 1 6 | 22 32 | 0 59 | 14 15 | 0 21 | 7 43 | 1 50 | 24 40 | 13 12 | 5 46 | 6 14 | 12 37 | 18 5 | 5 9 |
| S 11 | 13 55 | 12 44 | 4 30 | 17 11 | 1 32 | 9 21 | 1 21 | 13 17 | 0 58 | 9 5 | 1 6 | 22 32 | 0 59 | 14 15 | 0 21 | 7 43 | 1 50 | 24 39 | 13 12 | 5 43 | 6 13 | 12 38 | 18 5 | 5 8 |
| M12 | 13 35 | 9 20 | 3 50 | 17 23 | 1 14 | 8 52 | 1 20 | 13 31 | 0 58 | 9 0 | 1 6 | 22 32 | 0 59 | 14 16 | 0 21 | 7 44 | 1 50 | 24 39 | 13 12 | 5 40 | 6 12 | 12 40 | 18 5 | 5 8 |
| T 13 | 13 16 | 5 34 | 2 59 | 17 33 | 0 56 | 8 22 | 1 19 | 13 45 | 0 59 | 8 55 | 1 6 | 22 32 | 0 59 | 14 16 | 0 21 | 7 44 | 1 50 | 24 38 | 13 12 | 5 37 | 6 11 | 12 41 | 18 5 | 5 8 |
| W14 | 12 56 | 1 37 | 2 0 | 17 40 | 0 39 | 7 53 | 1 18 | 13 59 | 1 0 | 8 50 | 1 6 | 22 33 | 0 59 | 14 17 | 0 20 | 7 45 | 1 50 | 24 37 | 13 12 | 5 35 | 6 9 | 12 42 | 18 6 | 5 7 |
| T 15 | 12 36 | 2s19 | 0 56 | 17 45 | 0 23 | 7 23 | 1 17 | 14 13 | 1 0 | 8 45 | 1 6 | 22 33 | 0 59 | 14 17 | 0 20 | 7 45 | 1 50 | 24 36 | 13 12 | 5 34 | 6 8 | 12 44 | 18 6 | 5 7 |
| F 16 | 12 16 | 6 5 | 0n 9 | 17 46 | 0 7 | 6 53 | 1 16 | 14 27 | 1 1 | 8 40 | 1 6 | 22 33 | 0 59 | 14 18 | 0 20 | 7 46 | 1 50 | 24 36 | 13 12 | 5 34 | 6 7 | 12 45 | 18 6 | 5 7 |
| S 17 | 11 56 | 9 33 | 1 13 | 17 44 | 0n 8 | 6 23 | 1 15 | 14 41 | 1 2 | 8 36 | 1 6 | 22 33 | 0 59 | 14 18 | 0 20 | 7 46 | 1 49 | 24 35 | 13 12 | 5 34 | 6 6 | 12 46 | 18 6 | 5 6 |
| S 18 | 11 35 | 12 37 | 2 14 | 17 39 | 0 22 | 5 53 | 1 13 | 14 54 | 1 2 | 8 31 | 1 6 | 22 33 | 0 59 | 14 19 | 0 20 | 7 47 | 1 49 | 24 34 | 13 12 | 5 35 | 6 4 | 12 48 | 18 7 | 5 6 |
| M19 | 11 15 | 15 9 | 3 8 | 17 30 | 0 35 | 5 22 | 1 12 | 15 8 | 1 3 | 8 26 | 1 6 | 22 33 | 0 59 | 14 20 | 0 20 | 7 48 | 1 49 | 24 34 | 13 12 | 5 35 | 6 3 | 12 49 | 18 7 | 5 6 |
| T 20 | 10 54 | 17 3 | 3 55 | 17 19 | 0 47 | 4 52 | 1 11 | 15 22 | 1 3 | 8 21 | 1 6 | 22 33 | 0 59 | 14 20 | 0 20 | 7 48 | 1 49 | 24 33 | 13 12 | 5 35 | 6 2 | 12 50 | 18 7 | 5 5 |
| W21 | 10 33 | 18 14 | 4 33 | 17 4 | 0 58 | 4 21 | 1 9 | 15 35 | 1 4 | 8 16 | 1 6 | 22 33 | 0 59 | 14 21 | 0 20 | 7 49 | 1 49 | 24 32 | 13 12 | 5 35 | 6 1 | 12 52 | 18 8 | 5 5 |
| T 22 | 10 12 | 18 35 | 4 58 | 16 46 | 1 8 | 3 50 | 1 8 | 15 49 | 1 5 | 8 11 | 1 6 | 22 33 | 0 59 | 14 22 | 0 20 | 7 49 | 1 49 | 24 32 | 13 12 | 5 34 | 5 59 | 12 53 | 18 8 | 5 5 |
| F 23 | 9 50 | 18 2 | 5 10 | 16 25 | 1 16 | 3 19 | 1 6 | 16 2 | 1 5 | 8 6 | 1 6 | 22 34 | 0 59 | 14 22 | 0 20 | 7 50 | 1 49 | 24 31 | 13 12 | 5 32 | 5 58 | 12 54 | 18 8 | 5 4 |
| S 24 | 9 29 | 16 33 | 5 7 | 16 1 | 1 24 | 2 48 | 1 4 | 16 16 | 1 6 | 8 1 | 1 6 | 22 34 | 0 59 | 14 23 | 0 20 | 7 51 | 1 49 | 24 30 | 13 13 | 5 30 | 5 57 | 12 56 | 18 9 | 5 4 |
| S 25 | 9 7 | 14 8 | 4 47 | 15 35 | 1 31 | 2 17 | 1 3 | 16 29 | 1 6 | 7 56 | 1 6 | 22 34 | 0 59 | 14 24 | 0 20 | 7 51 | 1 49 | 24 30 | 13 13 | 5 28 | 5 56 | 12 57 | 18 9 | 5 4 |
| M26 | 8 45 | 10 53 | 4 11 | 15 6 | 1 36 | 1 46 | 1 1 | 16 42 | 1 7 | 7 51 | 1 6 | 22 34 | 0 59 | 14 24 | 0 20 | 7 52 | 1 49 | 24 29 | 13 13 | 5 26 | 5 55 | 12 58 | 18 9 | 5 3 |
| T 27 | 8 23 | 6 57 | 3 18 | 14 34 | 1 41 | 1 15 | 0 59 | 16 55 | 1 7 | 7 46 | 1 6 | 22 34 | 0 59 | 14 25 | 0 20 | 7 53 | 1 49 | 24 28 | 13 13 | 5 24 | 5 53 | 12 59 | 18 10 | 5 3 |
| W28 | 8 1 | 2 32 | 2 12 | 14 1 | 1 45 | 0 43 | 0 57 | 17 8 | 1 8 | 7 41 | 1 6 | 22 34 | 0 59 | 14 26 | 0 20 | 7 53 | 1 49 | 24 28 | 13 13 | 5 22 | 5 52 | 13 1 | 18 10 | 5 3 |
| T 29 | 7 39 | 2n 4 | 0 57 | 13 25 | 1 47 | 0 12 | 0 55 | 17 21 | 1 8 | 7 36 | 1 6 | 22 34 | 0 59 | 14 27 | 0 20 | 7 54 | 1 49 | 24 27 | 13 13 | 5 21 | 5 51 | 13 2 | 18 11 | 5 2 |
| F 30 | 7 17 | 6 36 | 0s22 | 12 47 | 1 49 | 0s20 | 0 53 | 17 34 | 1 9 | 7 31 | 1 6 | 22 34 | 0 59 | 14 27 | 0 20 | 7 55 | 1 49 | 24 27 | 13 13 | 5 21 | 5 50 | 13 3 | 18 11 | 5 2 |
| S 31 | 6n54 | 10n43 | 1s41 | 12n 8 | 1n50 | 0s51 | 0n51 | 17s46 | 1s 9 | 7n26 | 1n 6 | 22n34 | 0s59 | 14s28 | 0n20 | 7s55 | 1n49 | 24n26 | 13n14 | 5s22 | 5s48 | 13s 5 | 18s11 | 5n 2 |

Julian Day Number = 2076293.5, Delta T = 26m44s
Ecliptic obliquity = 23°34'12, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'17, Lahiri = 9°32'17 Julian Calendar 1 Aug. 972 == Greg. Calendar 6 Aug. 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## SEPTEMBER 972 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 1 40 | 13♍29'23 | 16♉37 | 4♍56 | 5♎19 | 16♏30 | 13♍59 | 27♊36 | 9♏42 | 24♎42 | 28♌27 | 13♎32 | 14♎36 | 11♏18 | 20♐13 | S 1 |
| M 2 | 23 5 37 | 14°28'09 | 0♊55 | 6°47 | 6°33 | 17°12 | 14°12 | 27°39 | 9°45 | 24°44 | 28°29 | 13°34 | 14°33 | 11°25 | 20°14 | M 2 |
| T 3 | 23 9 33 | 15°26'57 | 15° 2 | 8°38 | 7°47 | 17°53 | 14°25 | 27°43 | 9°47 | 24°46 | 28°31 | 13°R34 | 14°30 | 11°32 | 20°15 | T 3 |
| W 4 | 23 13 30 | 16°25'47 | 28°55 | 10°29 | 9° 1 | 18°35 | 14°38 | 27°46 | 9°50 | 24°48 | 28°33 | 13°34 | 14°26 | 11°38 | 20°16 | W 4 |
| T 5 | 23 17 26 | 17°24'40 | 12♋35 | 12°19 | 10°15 | 19°17 | 14°51 | 27°49 | 9°52 | 24°50 | 28°35 | 13°32 | 14°23 | 11°45 | 20°17 | T 5 |
| F 6 | 23 21 23 | 18°23'35 | 26° 1 | 14° 9 | 11°29 | 19°59 | 15° 4 | 27°53 | 9°55 | 24°52 | 28°37 | 13°29 | 14°20 | 11°52 | 20°19 | F 6 |
| S 7 | 23 25 19 | 19°22'32 | 9♌14 | 15°59 | 12°43 | 20°41 | 15°17 | 27°56 | 9°58 | 24°53 | 28°39 | 13°25 | 14°17 | 11°58 | 20°20 | S 7 |
| S 8 | 23 29 16 | 20°21'32 | 22°12 | 17°48 | 13°57 | 21°23 | 15°30 | 27°59 | 10° 0 | 24°55 | 28°41 | 13°22 | 14°14 | 12° 5 | 20°22 | S 8 |
| M 9 | 23 33 13 | 21°20'34 | 4♍57 | 19°36 | 15°11 | 22° 5 | 15°43 | 28° 2 | 10° 3 | 24°57 | 28°43 | 13°18 | 14°11 | 12°12 | 20°24 | M 9 |
| T 10 | 23 37 9 | 22°19'38 | 17°29 | 21°23 | 16°25 | 22°47 | 15°56 | 28° 5 | 10° 6 | 24°59 | 28°45 | 13°16 | 14° 7 | 12°18 | 20°25 | T 10 |
| W11 | 23 41 6 | 23°18'44 | 29°48 | 23°10 | 17°39 | 23°30 | 16° 9 | 28° 7 | 10° 9 | 25° 1 | 28°47 | 13°14 | 14° 4 | 12°25 | 20°27 | W11 |
| T 12 | 23 45 2 | 24°17'52 | 11♎56 | 24°56 | 18°53 | 24°12 | 16°22 | 28°10 | 10°11 | 25° 3 | 28°48 | 13°D13 | 14° 1 | 12°32 | 20°29 | T 12 |
| F 13 | 23 48 59 | 25°17'02 | 23°55 | 26°41 | 20° 7 | 24°55 | 16°35 | 28°12 | 10°14 | 25° 5 | 28°50 | 13°14 | 13°58 | 12°38 | 20°31 | F 13 |
| S 14 | 23 52 55 | 26°16'14 | 5♏47 | 28°25 | 21°21 | 25°38 | 16°48 | 28°15 | 10°17 | 25° 7 | 28°52 | 13°15 | 13°55 | 12°45 | 20°33 | S 14 |
| S 15 | 23 56 52 | 27°15'28 | 17°35 | 0♎ 8 | 22°35 | 26°20 | 17° 1 | 28°17 | 10°20 | 25° 9 | 28°54 | 13°16 | 13°51 | 12°51 | 20°35 | S 15 |
| M16 | 0 0 48 | 28°14'43 | 29°24 | 1°51 | 23°48 | 27° 3 | 17°14 | 28°19 | 10°23 | 25°11 | 28°56 | 13°18 | 13°48 | 12°58 | 20°37 | M16 |
| T 17 | 0 4 45 | 29°14'01 | 11♐16 | 3°32 | 25° 2 | 27°46 | 17°27 | 28°21 | 10°26 | 25°13 | 28°58 | 13°19 | 13°45 | 13° 5 | 20°40 | T 17 |
| W18 | 0 8 41 | 0♎13'21 | 23°17 | 5°13 | 26°16 | 28°29 | 17°40 | 28°23 | 10°29 | 25°15 | 29° 0 | 13°19 | 13°42 | 13°11 | 20°42 | W18 |
| T 19 | 0 12 38 | 1°12'42 | 5♑32 | 6°54 | 27°30 | 29°13 | 17°52 | 28°25 | 10°32 | 25°17 | 29° 2 | 13°R19 | 13°39 | 13°18 | 20°45 | T 19 |
| F 20 | 0 16 35 | 2°12'06 | 18° 4 | 8°33 | 28°44 | 29°56 | 18° 5 | 28°27 | 10°35 | 25°20 | 29° 4 | 13°19 | 13°36 | 13°25 | 20°47 | F 20 |
| S 21 | 0 20 31 | 3°11'31 | 0♒59 | 10°12 | 29°58 | 0♐39 | 18°18 | 28°29 | 10°38 | 25°22 | 29° 5 | 13°18 | 13°32 | 13°31 | 20°50 | S 21 |
| S 22 | 0 24 28 | 4°10'58 | 14°18 | 11°50 | 1♏12 | 1°23 | 18°31 | 28°30 | 10°42 | 25°24 | 29° 7 | 13°17 | 13°29 | 13°38 | 20°52 | S 22 |
| M23 | 0 28 24 | 5°10'26 | 28° 4 | 13°27 | 2°25 | 2° 6 | 18°43 | 28°32 | 10°45 | 25°26 | 29° 9 | 13°16 | 13°26 | 13°45 | 20°55 | M23 |
| T 24 | 0 32 21 | 6° 9'57 | 12♓15 | 15° 3 | 3°39 | 2°50 | 18°56 | 28°33 | 10°48 | 25°28 | 29°11 | 13°15 | 13°23 | 13°51 | 20°58 | T 24 |
| W25 | 0 36 17 | 7° 9'30 | 26°49 | 16°39 | 4°53 | 3°33 | 19° 9 | 28°34 | 10°51 | 25°30 | 29°12 | 13°14 | 13°20 | 13°58 | 21° 1 | W25 |
| T 26 | 0 40 14 | 8° 9'04 | 11♈38 | 18°15 | 6° 7 | 4°17 | 19°22 | 28°35 | 10°54 | 25°32 | 29°14 | 13°D14 | 13°17 | 14° 5 | 21° 4 | T 26 |
| F 27 | 0 44 10 | 9° 8'41 | 26°37 | 19°49 | 7°20 | 5° 1 | 19°34 | 28°36 | 10°58 | 25°35 | 29°16 | 13°14 | 13°13 | 14°11 | 21° 7 | F 27 |
| S 28 | 0 48 7 | 10° 8'19 | 11♉36 | 21°23 | 8°34 | 5°45 | 19°47 | 28°37 | 11° 1 | 25°37 | 29°18 | 13°15 | 13°10 | 14°18 | 21°10 | S 28 |
| S 29 | 0 52 4 | 11° 8'01 | 26°28 | 22°56 | 9°48 | 6°29 | 19°59 | 28°38 | 11° 4 | 25°39 | 29°19 | 13°15 | 13° 7 | 14°25 | 21°13 | S 29 |
| M30 | 0 56 0 | 12♎ 7'44 | 11♊ 6 | 24♎29 | 11♏ 2 | 7♐13 | 20♍12 | 28♊39 | 11♏ 8 | 25♎41 | 29♌21 | 13♎15 | 13♎ 4 | 14♏31 | 21♐16 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n32 | 14n 9 | 2s52 | 11n28 | 1n50 | 1s22 | 0n49 | 17s59 | 1s10 | 7n21 | 1n 6 | 22n34 | 0s59 | 14s29 | 0n20 | 7s56 | 1n49 | 24n25 | 13n14 | 5s22 | 5s47 | 13s 6 | 18s12 | 5n 1 |
| M 2 | 6 9 | 16 41 | 3 51 | 10 46 | 1 50 | 1 54 | 0 47 | 18 11 | 1 10 | 7 16 | 1 6 | 22 34 | 0 59 | 14 30 | 0 20 | 7 57 | 1 49 | 24 25 | 13 14 | 5 23 | 5 46 | 13 7 | 18 12 | 5 1 |
| T 3 | 5 46 | 18 9 | 4 36 | 10 4 | 1 49 | 2 25 | 0 45 | 18 23 | 1 11 | 7 11 | 1 6 | 22 34 | 0 59 | 14 31 | 0 20 | 7 57 | 1 49 | 24 24 | 13 14 | 5 23 | 5 45 | 13 9 | 18 13 | 5 1 |
| W 4 | 5 23 | 18 30 | 5 4 | 9 20 | 1 47 | 2 57 | 0 42 | 18 35 | 1 11 | 7 6 | 1 6 | 22 34 | 0 59 | 14 31 | 0 20 | 7 58 | 1 49 | 24 24 | 13 14 | 5 23 | 5 43 | 13 10 | 18 13 | 5 0 |
| T 5 | 5 0 | 17 45 | 5 14 | 8 35 | 1 45 | 3 28 | 0 40 | 18 48 | 1 12 | 7 1 | 1 6 | 22 34 | 0 59 | 14 32 | 0 20 | 7 59 | 1 49 | 24 23 | 13 14 | 5 22 | 5 42 | 13 11 | 18 13 | 5 0 |
| F 6 | 4 37 | 16 2 | 5 7 | 7 50 | 1 42 | 3 59 | 0 38 | 18 59 | 1 12 | 6 56 | 1 6 | 22 34 | 0 59 | 14 33 | 0 20 | 8 0 | 1 49 | 24 22 | 13 15 | 5 21 | 5 41 | 13 13 | 18 14 | 5 0 |
| S 7 | 4 14 | 13 29 | 4 43 | 7 5 | 1 39 | 4 30 | 0 35 | 19 11 | 1 13 | 6 51 | 1 6 | 22 34 | 0 59 | 14 34 | 0 20 | 8 0 | 1 49 | 24 22 | 13 15 | 5 20 | 5 40 | 13 14 | 18 14 | 4 59 |
| S 8 | 3 50 | 10 19 | 4 5 | 6 19 | 1 36 | 5 1 | 0 33 | 19 23 | 1 13 | 6 46 | 1 7 | 22 35 | 0 59 | 14 35 | 0 20 | 8 1 | 1 49 | 24 21 | 13 15 | 5 18 | 5 38 | 13 15 | 18 15 | 4 59 |
| M 9 | 3 27 | 6 43 | 3 16 | 5 33 | 1 32 | 5 32 | 0 31 | 19 34 | 1 14 | 6 41 | 1 7 | 22 35 | 0 59 | 14 36 | 0 20 | 8 2 | 1 49 | 24 21 | 13 15 | 5 17 | 5 37 | 13 16 | 18 15 | 4 59 |
| T 10 | 3 4 | 2 52 | 2 17 | 4 46 | 1 27 | 6 3 | 0 28 | 19 46 | 1 14 | 6 36 | 1 7 | 22 35 | 0 59 | 14 37 | 0 20 | 8 2 | 1 49 | 24 20 | 13 15 | 5 16 | 5 36 | 13 18 | 18 16 | 4 58 |
| W11 | 2 40 | 1s 3 | 1 14 | 3 59 | 1 22 | 6 34 | 0 26 | 19 57 | 1 14 | 6 31 | 1 7 | 22 35 | 0 59 | 14 38 | 0 20 | 8 3 | 1 49 | 24 20 | 13 16 | 5 15 | 5 35 | 13 19 | 18 16 | 4 58 |
| T 12 | 2 17 | 4 51 | 0 7 | 3 13 | 1 17 | 7 5 | 0 23 | 20 8 | 1 15 | 6 26 | 1 7 | 22 35 | 0 59 | 14 38 | 0 20 | 8 4 | 1 48 | 24 19 | 13 16 | 5 15 | 5 33 | 13 20 | 18 17 | 4 58 |
| F 13 | 1 53 | 8 25 | 0n59 | 2 26 | 1 12 | 7 35 | 0 20 | 20 19 | 1 15 | 6 21 | 1 7 | 22 35 | 0 59 | 14 39 | 0 20 | 8 5 | 1 48 | 24 19 | 13 16 | 5 15 | 5 32 | 13 21 | 18 17 | 4 57 |
| S 14 | 1 29 | 11 37 | 2 2 | 1 39 | 1 7 | 8 6 | 0 18 | 20 30 | 1 15 | 6 16 | 1 7 | 22 35 | 0 59 | 14 40 | 0 20 | 8 6 | 1 48 | 24 18 | 13 16 | 5 15 | 5 31 | 13 23 | 18 17 | 4 57 |
| S 15 | 1 6 | 14 18 | 2 59 | 0 53 | 1 1 | 8 36 | 0 15 | 20 40 | 1 16 | 6 11 | 1 7 | 22 35 | 0 59 | 14 41 | 0 20 | 8 6 | 1 48 | 24 18 | 13 17 | 5 16 | 5 30 | 13 24 | 18 18 | 4 57 |
| M16 | 0 42 | 16 24 | 3 49 | 0 6 | 0 55 | 9 6 | 0 13 | 20 50 | 1 16 | 6 6 | 1 7 | 22 35 | 0 59 | 14 42 | 0 20 | 8 7 | 1 48 | 24 17 | 13 17 | 5 17 | 5 29 | 13 25 | 18 18 | 4 56 |
| T 17 | 0 18 | 17 48 | 4 29 | 0s40 | 0 49 | 9 35 | 0 10 | 21 1 | 1 16 | 6 1 | 1 7 | 22 35 | 0 59 | 14 43 | 0 20 | 8 8 | 1 48 | 24 17 | 13 17 | 5 17 | 5 27 | 13 27 | 18 19 | 4 56 |
| W18 | 0s 5 | 18 26 | 4 58 | 1 26 | 0 43 | 10 5 | 0 7 | 21 11 | 1 17 | 5 56 | 1 7 | 22 35 | 0 59 | 14 44 | 0 20 | 8 9 | 1 48 | 24 17 | 13 17 | 5 17 | 5 26 | 13 28 | 18 19 | 4 56 |
| T 19 | 0 29 | 18 13 | 5 14 | 2 12 | 0 36 | 10 34 | 0 4 | 21 21 | 1 17 | 5 51 | 1 7 | 22 35 | 0 59 | 14 45 | 0 20 | 8 9 | 1 48 | 24 16 | 13 18 | 5 17 | 5 25 | 13 29 | 18 20 | 4 56 |
| F 20 | 0 53 | 17 7 | 5 16 | 2 57 | 0 30 | 11 3 | 0 2 | 21 30 | 1 17 | 5 46 | 1 7 | 22 35 | 0 59 | 14 46 | 0 20 | 8 10 | 1 48 | 24 16 | 13 18 | 5 17 | 5 24 | 13 30 | 18 20 | 4 55 |
| S 21 | 1 17 | 15 8 | 5 2 | 3 42 | 0 23 | 11 32 | 0s 1 | 21 40 | 1 18 | 5 41 | 1 7 | 22 35 | 0 59 | 14 47 | 0 20 | 8 11 | 1 48 | 24 15 | 13 18 | 5 17 | 5 22 | 13 32 | 18 21 | 4 55 |
| S 22 | 1 40 | 12 17 | 4 32 | 4 27 | 0 17 | 12 1 | 0 4 | 21 49 | 1 18 | 5 36 | 1 7 | 22 35 | 0 59 | 14 48 | 0 20 | 8 12 | 1 48 | 24 15 | 13 19 | 5 16 | 5 21 | 13 33 | 18 21 | 4 55 |
| M23 | 2 4 | 8 41 | 3 46 | 5 11 | 0 10 | 12 29 | 0 7 | 21 58 | 1 18 | 5 31 | 1 7 | 22 35 | 0 59 | 14 49 | 0 20 | 8 13 | 1 48 | 24 15 | 13 19 | 5 16 | 5 20 | 13 34 | 18 22 | 4 54 |
| T 24 | 2 28 | 4 29 | 2 44 | 5 55 | 0 3 | 12 57 | 0 10 | 22 7 | 1 19 | 5 26 | 1 7 | 22 35 | 0 59 | 14 50 | 0 20 | 8 13 | 1 48 | 24 14 | 13 19 | 5 16 | 5 19 | 13 35 | 18 22 | 4 54 |
| W25 | 2 51 | 0n 6 | 1 30 | 6 38 | 0s 4 | 13 25 | 0 13 | 22 16 | 1 19 | 5 21 | 1 8 | 22 35 | 0 59 | 14 51 | 0 20 | 8 14 | 1 48 | 24 14 | 13 19 | 5 15 | 5 17 | 13 37 | 18 23 | 4 54 |
| T 26 | 3 15 | 4 46 | 0 9 | 7 21 | 0 11 | 13 52 | 0 15 | 22 25 | 1 19 | 5 16 | 1 8 | 22 35 | 0 59 | 14 52 | 0 20 | 8 15 | 1 48 | 24 14 | 13 20 | 5 15 | 5 16 | 13 38 | 18 23 | 4 53 |
| F 27 | 3 39 | 9 10 | 1s14 | 8 4 | 0 17 | 14 19 | 0 18 | 22 33 | 1 19 | 5 11 | 1 8 | 22 35 | 0 59 | 14 53 | 0 20 | 8 16 | 1 48 | 24 13 | 13 20 | 5 15 | 5 15 | 13 39 | 18 24 | 4 53 |
| S 28 | 4 2 | 13 0 | 2 31 | 8 46 | 0 24 | 14 46 | 0 21 | 22 41 | 1 20 | 5 6 | 1 8 | 22 35 | 0 59 | 14 54 | 0 19 | 8 17 | 1 48 | 24 13 | 13 20 | 5 15 | 5 14 | 13 40 | 18 24 | 4 53 |
| S 29 | 4 26 | 15 56 | 3 38 | 9 27 | 0 31 | 15 13 | 0 24 | 22 49 | 1 20 | 5 2 | 1 8 | 22 35 | 0 59 | 14 55 | 0 19 | 8 17 | 1 48 | 24 13 | 13 21 | 5 15 | 5 12 | 13 42 | 18 25 | 4 53 |
| M30 | 4s49 | 17n47 | 4s29 | 10s 8 | 0s38 | 15s39 | 0s27 | 22s57 | 1s20 | 4n57 | 1n 8 | 22n35 | 0s59 | 14s56 | 0n19 | 8s18 | 1n48 | 24n12 | 13n21 | 5s16 | 5s11 | 13s43 | 18s25 | 4n52 |

Julian Day Number = 2076324.5, Delta T = 26m44s
Ecliptic obliquity = 23°34'12, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'21, Lahiri = 9°32'21 Julian Calendar 1 Sept. 972 == Greg. Calendar 6 Sept. 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## OCTOBER 972 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 59 57 | 13♎ 7'30 | 25♊25 | 26♎ 1 | 12♏15 | 7♐57 | 20♍24 | 28♊39 | 11♏11 | 25♎43 | 29♌23 | 13°R15 | 13♎ 1 | 14♏38 | 21♐20 | T 1 |
| W 2 | 1 3 53 | 14° 7'18 | 9♋23 | 27°33 | 13°29 | 8°41 | 20°37 | 28°40 | 11°14 | 25°45 | 29°24 | 13°D15 | 12°57 | 14°45 | 21°23 | W 2 |
| T 3 | 1 7 50 | 15° 7'08 | 22°59 | 29° 4 | 14°43 | 9°25 | 20°49 | 28°40 | 11°18 | 25°48 | 29°26 | 13♎15 | 12°54 | 14°51 | 21°27 | T 3 |
| F 4 | 1 11 46 | 16° 7'01 | 6♌14 | 0♏34 | 15°56 | 10°10 | 21° 2 | 28°40 | 11°21 | 25°50 | 29°27 | 13°15 | 12°51 | 14°58 | 21°30 | F 4 |
| S 5 | 1 15 43 | 17° 6'56 | 19°11 | 2° 4 | 17°10 | 10°54 | 21°14 | 28°R40 | 11°25 | 25°52 | 29°29 | 13°16 | 12°48 | 15° 5 | 21°34 | S 5 |
| S 6 | 1 19 39 | 18° 6'53 | 1♍51 | 3°34 | 18°24 | 11°39 | 21°26 | 28°40 | 11°28 | 25°54 | 29°30 | 13°16 | 12°45 | 15°11 | 21°37 | S 6 |
| M 7 | 1 23 36 | 19° 6'52 | 14°18 | 5° 2 | 19°37 | 12°23 | 21°39 | 28°40 | 11°32 | 25°57 | 29°32 | 13°17 | 12°42 | 15°18 | 21°41 | M 7 |
| T 8 | 1 27 33 | 20° 6'53 | 26°32 | 6°30 | 20°51 | 13° 8 | 21°51 | 28°40 | 11°35 | 25°59 | 29°33 | 13°17 | 12°38 | 15°25 | 21°45 | T 8 |
| W 9 | 1 31 29 | 21° 6'56 | 8♎38 | 7°58 | 22° 4 | 13°53 | 22° 3 | 28°40 | 11°39 | 26° 1 | 29°35 | 13°R17 | 12°35 | 15°31 | 21°49 | W 9 |
| T 10 | 1 35 26 | 22° 7'02 | 20°36 | 9°25 | 23°18 | 14°38 | 22°15 | 28°39 | 11°42 | 26° 3 | 29°36 | 13°17 | 12°32 | 15°38 | 21°53 | T 10 |
| F 11 | 1 39 22 | 23° 7'09 | 2♏28 | 10°51 | 24°32 | 15°22 | 22°27 | 28°39 | 11°46 | 26° 6 | 29°38 | 13°17 | 12°29 | 15°45 | 21°57 | F 11 |
| S 12 | 1 43 19 | 24° 7'18 | 14°18 | 12°17 | 25°45 | 16° 7 | 22°39 | 28°38 | 11°49 | 26° 8 | 29°39 | 13°16 | 12°26 | 15°51 | 22° 1 | S 12 |
| S 13 | 1 47 15 | 25° 7'29 | 26° 6 | 13°42 | 26°59 | 16°52 | 22°51 | 28°37 | 11°53 | 26°10 | 29°41 | 13°14 | 12°23 | 15°58 | 22° 5 | S 13 |
| M14 | 1 51 12 | 26° 7'42 | 7♐55 | 15° 6 | 28°12 | 17°37 | 23° 3 | 28°36 | 11°57 | 26°12 | 29°42 | 13°12 | 12°19 | 16° 5 | 22° 9 | M14 |
| T 15 | 1 55 8 | 27° 7'56 | 19°49 | 16°29 | 29°26 | 18°23 | 23°15 | 28°35 | 12° 0 | 26°15 | 29°43 | 13°10 | 12°16 | 16°11 | 22°13 | T 15 |
| W16 | 1 59 5 | 28° 8'12 | 1♑50 | 17°52 | 0♐39 | 19° 8 | 23°27 | 28°34 | 12° 4 | 26°17 | 29°44 | 13° 8 | 12°13 | 16°18 | 22°18 | W16 |
| T 17 | 2 3 2 | 29° 8'30 | 14° 3 | 19°13 | 1°53 | 19°53 | 23°38 | 28°33 | 12° 8 | 26°19 | 29°46 | 13° 7 | 12°10 | 16°25 | 22°22 | T 17 |
| F 18 | 2 6 58 | 0♏ 8'49 | 26°31 | 20°34 | 3° 6 | 20°38 | 23°50 | 28°32 | 12°11 | 26°21 | 29°47 | 13°D 6 | 12° 7 | 16°31 | 22°26 | F 18 |
| S 19 | 2 10 55 | 1° 9'09 | 9♒19 | 21°53 | 4°19 | 21°24 | 24° 2 | 28°30 | 12°15 | 26°24 | 29°48 | 13° 6 | 12° 3 | 16°38 | 22°31 | S 19 |
| S 20 | 2 14 51 | 2° 9'31 | 22°30 | 23°12 | 5°33 | 22° 9 | 24°13 | 28°29 | 12°19 | 26°26 | 29°49 | 13° 7 | 12° 0 | 16°45 | 22°35 | S 20 |
| M21 | 2 18 48 | 3° 9'55 | 6♓ 7 | 24°28 | 6°46 | 22°55 | 24°25 | 28°27 | 12°22 | 26°28 | 29°51 | 13° 9 | 11°57 | 16°51 | 22°40 | M21 |
| T 22 | 2 22 44 | 4°10'20 | 20°11 | 25°44 | 8° 0 | 23°40 | 24°36 | 28°25 | 12°26 | 26°30 | 29°52 | 13°10 | 11°54 | 16°58 | 22°45 | T 22 |
| W23 | 2 26 41 | 5°10'46 | 4♈42 | 26°57 | 9°13 | 24°26 | 24°47 | 28°23 | 12°30 | 26°33 | 29°53 | 13°11 | 11°51 | 17° 5 | 22°49 | W23 |
| T 24 | 2 30 37 | 6°11'14 | 19°35 | 28° 9 | 10°26 | 25°11 | 24°59 | 28°21 | 12°33 | 26°35 | 29°54 | 13°R11 | 11°48 | 17°11 | 22°54 | T 24 |
| F 25 | 2 34 34 | 7°11'43 | 4♉45 | 29°18 | 11°39 | 25°57 | 25°10 | 28°19 | 12°37 | 26°37 | 29°55 | 13°10 | 11°44 | 17°18 | 22°59 | F 25 |
| S 26 | 2 38 30 | 8°12'14 | 20° 1 | 0♐25 | 12°52 | 26°43 | 25°21 | 28°17 | 12°41 | 26°39 | 29°56 | 13° 8 | 11°41 | 17°25 | 23° 4 | S 26 |
| S 27 | 2 42 27 | 9°12'46 | 5♊13 | 1°29 | 14° 6 | 27°29 | 25°32 | 28°15 | 12°44 | 26°41 | 29°57 | 13° 4 | 11°38 | 17°32 | 23° 8 | S 27 |
| M28 | 2 46 24 | 10°13'21 | 20°11 | 2°30 | 15°19 | 28°15 | 25°43 | 28°12 | 12°48 | 26°44 | 29°58 | 13° 0 | 11°35 | 17°38 | 23°13 | M28 |
| T 29 | 2 50 20 | 11°13'57 | 4♋48 | 3°28 | 16°32 | 29° 0 | 25°54 | 28°10 | 12°52 | 26°46 | 29°59 | 12°56 | 11°32 | 17°45 | 23°18 | T 29 |
| W30 | 2 54 17 | 12°14'35 | 18°59 | 4°22 | 17°45 | 29°46 | 26° 5 | 28° 7 | 12°56 | 26°48 | 29°59 | 12°53 | 11°28 | 17°52 | 23°23 | W30 |
| T 31 | 2 58 13 | 13♏15'15 | 2♌43 | 5♐10 | 18♐58 | 0♑32 | 26♍15 | 28♊ 5 | 12♏59 | 26♎50 | 0♍ 1 | 12♎52 | 11♎25 | 17♏58 | 23♐28 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s13 | 18n27 | 5s 3 | 10s48 | 0s45 | 16s 4 | 0s30 | 23s 4 | 1s20 | 4n52 | 1n 8 | 22n35 | 0s59 | 14s57 | 0n19 | 8s19 | 1n48 | 24n12 | 13n21 | 5s16 | 5s10 | 13s44 | 18s26 | 4n52 |
| W 2 | 5 36 | 17 58 | 5 17 | 11 27 | 0 51 | 16 29 | 0 33 | 23 12 | 1 20 | 4 47 | 1 8 | 22 35 | 0 59 | 14 59 | 0 19 | 8 20 | 1 48 | 24 12 | 13 22 | 5 16 | 5 9 | 13 45 | 18 26 | 4 52 |
| T 3 | 5 59 | 16 27 | 5 13 | 12 6 | 0 58 | 16 54 | 0 36 | 23 19 | 1 21 | 4 42 | 1 8 | 22 35 | 0 59 | 15 0 | 0 19 | 8 21 | 1 48 | 24 11 | 13 22 | 5 16 | 5 7 | 13 46 | 18 27 | 4 51 |
| F 4 | 6 22 | 14 5 | 4 53 | 12 45 | 1 5 | 17 19 | 0 38 | 23 26 | 1 21 | 4 37 | 1 8 | 22 35 | 0 59 | 15 1 | 0 19 | 8 21 | 1 48 | 24 11 | 13 22 | 5 16 | 5 6 | 13 48 | 18 27 | 4 51 |
| S 5 | 6 45 | 11 4 | 4 18 | 13 22 | 1 11 | 17 43 | 0 41 | 23 32 | 1 21 | 4 32 | 1 8 | 22 35 | 0 59 | 15 2 | 0 19 | 8 22 | 1 48 | 24 11 | 13 23 | 5 16 | 5 5 | 13 49 | 18 28 | 4 51 |
| S 6 | 7 9 | 7 36 | 3 31 | 13 59 | 1 18 | 18 6 | 0 44 | 23 39 | 1 21 | 4 28 | 1 9 | 22 35 | 0 59 | 15 3 | 0 19 | 8 23 | 1 48 | 24 11 | 13 23 | 5 16 | 5 4 | 13 50 | 18 28 | 4 51 |
| M 7 | 7 31 | 3 51 | 2 34 | 14 35 | 1 24 | 18 29 | 0 47 | 23 45 | 1 21 | 4 23 | 1 9 | 22 35 | 0 59 | 15 4 | 0 19 | 8 24 | 1 48 | 24 11 | 13 24 | 5 16 | 5 2 | 13 51 | 18 29 | 4 50 |
| T 8 | 7 54 | 0s 1 | 1 32 | 15 11 | 1 30 | 18 52 | 0 50 | 23 51 | 1 21 | 4 18 | 1 9 | 22 35 | 0 59 | 15 5 | 0 19 | 8 25 | 1 48 | 24 10 | 13 24 | 5 16 | 5 1 | 13 53 | 18 29 | 4 50 |
| W 9 | 8 17 | 3 50 | 0 26 | 15 45 | 1 36 | 19 14 | 0 53 | 23 56 | 1 22 | 4 13 | 1 9 | 22 35 | 0 59 | 15 6 | 0 19 | 8 26 | 1 48 | 24 10 | 13 24 | 5 16 | 5 0 | 13 54 | 18 30 | 4 50 |
| T 10 | 8 40 | 7 28 | 0n40 | 16 19 | 1 42 | 19 36 | 0 55 | 24 2 | 1 22 | 4 9 | 1 9 | 22 35 | 0 59 | 15 7 | 0 19 | 8 26 | 1 48 | 24 10 | 13 25 | 5 16 | 4 59 | 13 55 | 18 30 | 4 50 |
| F 11 | 9 2 | 10 46 | 1 45 | 16 52 | 1 48 | 19 57 | 0 58 | 24 7 | 1 22 | 4 4 | 1 9 | 22 35 | 0 59 | 15 8 | 0 19 | 8 27 | 1 48 | 24 10 | 13 25 | 5 16 | 4 57 | 13 56 | 18 31 | 4 49 |
| S 12 | 9 24 | 13 37 | 2 44 | 17 24 | 1 53 | 20 17 | 1 1 | 24 12 | 1 22 | 3 59 | 1 9 | 22 35 | 0 59 | 15 10 | 0 19 | 8 28 | 1 48 | 24 10 | 13 25 | 5 16 | 4 56 | 13 57 | 18 31 | 4 49 |
| S 13 | 9 46 | 15 53 | 3 36 | 17 55 | 1 58 | 20 37 | 1 4 | 24 17 | 1 22 | 3 55 | 1 9 | 22 35 | 0 59 | 15 11 | 0 19 | 8 29 | 1 48 | 24 10 | 13 26 | 5 15 | 4 55 | 13 59 | 18 32 | 4 49 |
| M14 | 10 9 | 17 30 | 4 19 | 18 25 | 2 4 | 20 57 | 1 6 | 24 21 | 1 22 | 3 50 | 1 9 | 22 34 | 0 59 | 15 12 | 0 19 | 8 30 | 1 48 | 24 9 | 13 26 | 5 14 | 4 54 | 14 0 | 18 32 | 4 49 |
| T 15 | 10 30 | 18 21 | 4 51 | 18 54 | 2 8 | 21 16 | 1 9 | 24 25 | 1 22 | 3 46 | 1 10 | 22 34 | 0 59 | 15 13 | 0 19 | 8 30 | 1 48 | 24 9 | 13 27 | 5 14 | 4 52 | 14 1 | 18 32 | 4 48 |
| W16 | 10 52 | 18 23 | 5 10 | 19 23 | 2 13 | 21 34 | 1 12 | 24 29 | 1 22 | 3 41 | 1 10 | 22 34 | 0 59 | 15 14 | 0 19 | 8 31 | 1 48 | 24 9 | 13 27 | 5 13 | 4 51 | 14 2 | 18 33 | 4 48 |
| T 17 | 11 14 | 17 35 | 5 16 | 19 50 | 2 17 | 21 52 | 1 14 | 24 33 | 1 22 | 3 36 | 1 10 | 22 34 | 0 59 | 15 15 | 0 19 | 8 32 | 1 48 | 24 9 | 13 28 | 5 12 | 4 50 | 14 3 | 18 33 | 4 48 |
| F 18 | 11 35 | 15 56 | 5 8 | 20 15 | 2 21 | 22 9 | 1 17 | 24 36 | 1 22 | 3 32 | 1 10 | 22 34 | 0 59 | 15 16 | 0 19 | 8 33 | 1 48 | 24 9 | 13 28 | 5 12 | 4 49 | 14 5 | 18 34 | 4 48 |
| S 19 | 11 56 | 13 27 | 4 44 | 20 40 | 2 25 | 22 25 | 1 19 | 24 40 | 1 22 | 3 27 | 1 10 | 22 34 | 0 59 | 15 17 | 0 19 | 8 34 | 1 48 | 24 9 | 13 28 | 5 12 | 4 47 | 14 6 | 18 34 | 4 48 |
| S 20 | 12 17 | 10 14 | 4 5 | 21 4 | 2 28 | 22 41 | 1 22 | 24 43 | 1 22 | 3 23 | 1 10 | 22 34 | 0 59 | 15 19 | 0 19 | 8 34 | 1 48 | 24 9 | 13 29 | 5 12 | 4 46 | 14 7 | 18 35 | 4 47 |
| M21 | 12 38 | 6 22 | 3 11 | 21 26 | 2 31 | 22 57 | 1 24 | 24 45 | 1 23 | 3 18 | 1 10 | 22 34 | 0 59 | 15 20 | 0 19 | 8 35 | 1 48 | 24 9 | 13 29 | 5 13 | 4 45 | 14 8 | 18 35 | 4 47 |
| T 22 | 12 59 | 2 1 | 2 4 | 21 47 | 2 34 | 23 11 | 1 27 | 24 47 | 1 23 | 3 14 | 1 10 | 22 34 | 0 59 | 15 21 | 0 19 | 8 36 | 1 48 | 24 9 | 13 30 | 5 14 | 4 44 | 14 9 | 18 36 | 4 47 |
| W23 | 13 19 | 2n35 | 0 47 | 22 7 | 2 36 | 23 25 | 1 29 | 24 50 | 1 23 | 3 10 | 1 11 | 22 34 | 0 59 | 15 22 | 0 19 | 8 37 | 1 48 | 24 9 | 13 30 | 5 14 | 4 42 | 14 10 | 18 36 | 4 47 |
| T 24 | 13 39 | 7 10 | 0s35 | 22 25 | 2 37 | 23 39 | 1 32 | 24 51 | 1 23 | 3 5 | 1 11 | 22 34 | 0 59 | 15 23 | 0 19 | 8 38 | 1 48 | 24 9 | 13 31 | 5 14 | 4 41 | 14 12 | 18 37 | 4 47 |
| F 25 | 13 59 | 11 21 | 1 56 | 22 41 | 2 38 | 23 51 | 1 34 | 24 53 | 1 23 | 3 1 | 1 11 | 22 34 | 0 59 | 15 24 | 0 19 | 8 38 | 1 48 | 24 9 | 13 31 | 5 14 | 4 40 | 14 13 | 18 37 | 4 46 |
| S 26 | 14 19 | 14 48 | 3 9 | 22 56 | 2 39 | 24 3 | 1 36 | 24 54 | 1 23 | 2 57 | 1 11 | 22 34 | 0 59 | 15 25 | 0 19 | 8 39 | 1 48 | 24 9 | 13 31 | 5 13 | 4 39 | 14 14 | 18 37 | 4 46 |
| S 27 | 14 39 | 17 13 | 4 8 | 23 9 | 2 39 | 24 15 | 1 38 | 24 55 | 1 23 | 2 52 | 1 11 | 22 34 | 0 59 | 15 27 | 0 19 | 8 40 | 1 48 | 24 9 | 13 32 | 5 11 | 4 38 | 14 15 | 18 38 | 4 46 |
| M28 | 14 58 | 18 24 | 4 50 | 23 21 | 2 38 | 24 25 | 1 41 | 24 56 | 1 22 | 2 48 | 1 11 | 22 34 | 0 59 | 15 28 | 0 19 | 8 41 | 1 48 | 24 9 | 13 32 | 5 10 | 4 36 | 14 16 | 18 38 | 4 46 |
| T 29 | 15 17 | 18 18 | 5 11 | 23 31 | 2 36 | 24 35 | 1 43 | 24 56 | 1 22 | 2 44 | 1 11 | 22 34 | 0 59 | 15 29 | 0 19 | 8 42 | 1 48 | 24 9 | 13 33 | 5 8 | 4 35 | 14 18 | 18 39 | 4 46 |
| W30 | 15 36 | 17 4 | 5 12 | 23 38 | 2 33 | 24 44 | 1 45 | 24 57 | 1 22 | 2 40 | 1 12 | 22 34 | 0 59 | 15 30 | 0 19 | 8 42 | 1 48 | 24 9 | 13 33 | 5 7 | 4 34 | 14 19 | 18 39 | 4 45 |
| T 31 | 15s54 | 14n52 | 4s55 | 23s44 | 2s30 | 24s53 | 1s47 | 24s56 | 1s22 | 2n36 | 1n12 | 22n34 | 0s59 | 15s31 | 0n19 | 8s43 | 1n48 | 24n 9 | 13n34 | 5s 6 | 4s33 | 14s20 | 18s39 | 4n45 |

Julian Day Number = 2076354.5, Delta T = 26m44s
Ecliptic obliquity = 23°34'12, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'25, Lahiri = 9°32'25 Julian Calendar 1 Oct. 972 == Greg. Calendar 6 Oct. 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## NOVEMBER 972 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 2 10 | 14♏15'56 | 15♌59 | 5♐54 | 20♐11 | 1♑18 | 26♍26 | 28°R 2 | 13♏ 3 | 26♎52 | 0♍ 1 | 12°D51 | 11♎22 | 18♏ 5 | 23♐34 | F 1 |
| S 2 | 3 6 6 | 15°16'39 | 28°50 | 6°32 | 21°24 | 2° 4 | 26°37 | 27♊59 | 13° 7 | 26°55 | 0° 2 | 12♎52 | 11°19 | 18°12 | 23°39 | S 2 |
| S 3 | 3 10 3 | 16°17'24 | 11♍22 | 7° 4 | 22°37 | 2°51 | 26°47 | 27°56 | 13°10 | 26°57 | 0° 3 | 12°53 | 11°16 | 18°18 | 23°44 | S 3 |
| M 4 | 3 13 59 | 17°18'10 | 23°37 | 7°28 | 23°50 | 3°37 | 26°57 | 27°53 | 13°14 | 26°59 | 0° 4 | 12°55 | 11°13 | 18°25 | 23°49 | M 4 |
| T 5 | 3 17 56 | 18°18'58 | 5♎41 | 7°44 | 25° 3 | 4°23 | 27° 8 | 27°50 | 13°18 | 27° 1 | 0° 4 | 12°57 | 11° 9 | 18°32 | 23°54 | T 5 |
| W 6 | 3 21 53 | 19°19'47 | 17°36 | 7°R52 | 26°16 | 5° 9 | 27°18 | 27°46 | 13°22 | 27° 3 | 0° 5 | 12°R57 | 11° 6 | 18°38 | 24° 0 | W 6 |
| T 7 | 3 25 49 | 20°20'38 | 29°27 | 7°50 | 27°29 | 5°56 | 27°28 | 27°43 | 13°25 | 27° 5 | 0° 6 | 12°55 | 11° 3 | 18°45 | 24° 5 | T 7 |
| F 8 | 3 29 46 | 21°21'30 | 11♏15 | 7°37 | 28°41 | 6°42 | 27°38 | 27°40 | 13°29 | 27° 7 | 0° 6 | 12°52 | 11° 0 | 18°52 | 24°10 | F 8 |
| S 9 | 3 33 42 | 22°22'24 | 23° 4 | 7°14 | 29°54 | 7°28 | 27°48 | 27°36 | 13°33 | 27° 9 | 0° 7 | 12°46 | 10°57 | 18°58 | 24°16 | S 9 |
| S 10 | 3 37 39 | 23°23'18 | 4♐55 | 6°40 | 1♑ 7 | 8°15 | 27°58 | 27°33 | 13°36 | 27°11 | 0° 8 | 12°39 | 10°54 | 19° 5 | 24°21 | S 10 |
| M11 | 3 41 35 | 24°24'14 | 16°49 | 5°54 | 2°20 | 9° 1 | 28° 8 | 27°29 | 13°40 | 27°14 | 0° 8 | 12°31 | 10°50 | 19°12 | 24°27 | M11 |
| T 12 | 3 45 32 | 25°25'11 | 28°49 | 4°58 | 3°32 | 9°48 | 28°17 | 27°25 | 13°44 | 27°16 | 0° 9 | 12°22 | 10°47 | 19°18 | 24°32 | T 12 |
| W13 | 3 49 28 | 26°26'09 | 10♑56 | 3°53 | 4°45 | 10°34 | 28°27 | 27°21 | 13°47 | 27°18 | 0° 9 | 12°14 | 10°44 | 19°25 | 24°38 | W13 |
| T 14 | 3 53 25 | 27°27'07 | 23°13 | 2°40 | 5°57 | 11°21 | 28°36 | 27°17 | 13°51 | 27°20 | 0°10 | 12° 7 | 10°41 | 19°32 | 24°43 | T 14 |
| F 15 | 3 57 22 | 28°28'07 | 5♒42 | 1°21 | 7°10 | 12° 7 | 28°45 | 27°13 | 13°55 | 27°22 | 0°10 | 12° 3 | 10°38 | 19°38 | 24°49 | F 15 |
| S 16 | 4 1 18 | 29°29'07 | 18°26 | 29♏59 | 8°22 | 12°54 | 28°55 | 27° 9 | 13°58 | 27°24 | 0°10 | 12° 0 | 10°34 | 19°45 | 24°55 | S 16 |
| S 17 | 4 5 15 | 0♐30'08 | 1♓29 | 28°36 | 9°34 | 13°41 | 29° 4 | 27° 5 | 14° 2 | 27°26 | 0°11 | 11°D59 | 10°31 | 19°52 | 25° 0 | S 17 |
| M18 | 4 9 11 | 1°31'09 | 14°54 | 27°15 | 10°47 | 14°27 | 29°13 | 27° 1 | 14° 6 | 27°28 | 0°11 | 12° 0 | 10°28 | 19°58 | 25° 6 | M18 |
| T 19 | 4 13 8 | 2°32'11 | 28°44 | 26° 0 | 11°59 | 15°14 | 29°22 | 26°57 | 14° 9 | 27°29 | 0°11 | 12° 1 | 10°25 | 20° 5 | 25°12 | T 19 |
| W20 | 4 17 4 | 3°33'13 | 13♈ 0 | 24°51 | 13°11 | 16° 1 | 29°30 | 26°52 | 14°13 | 27°31 | 0°11 | 12°R 2 | 10°22 | 20°12 | 25°18 | W20 |
| T 21 | 4 21 1 | 4°34'16 | 27°41 | 23°52 | 14°23 | 16°48 | 29°39 | 26°48 | 14°16 | 27°33 | 0°12 | 12° 1 | 10°19 | 20°18 | 25°23 | T 21 |
| F 22 | 4 24 57 | 5°35'20 | 12♉41 | 23° 3 | 15°35 | 17°34 | 29°47 | 26°44 | 14°20 | 27°35 | 0°12 | 11°57 | 10°15 | 20°25 | 25°29 | F 22 |
| S 23 | 4 28 54 | 6°36'24 | 27°55 | 22°25 | 16°47 | 18°21 | 29°56 | 26°39 | 14°23 | 27°37 | 0°12 | 11°51 | 10°12 | 20°32 | 25°35 | S 23 |
| S 24 | 4 32 51 | 7°37'29 | 13♊11 | 21°58 | 17°59 | 19° 8 | 0♎ 4 | 26°35 | 14°27 | 27°39 | 0°12 | 11°44 | 10° 9 | 20°38 | 25°41 | S 24 |
| M25 | 4 36 47 | 8°38'35 | 28°20 | 21°42 | 19°11 | 19°55 | 0°12 | 26°30 | 14°30 | 27°41 | 0°12 | 11°34 | 10° 6 | 20°45 | 25°47 | M25 |
| T 26 | 4 40 44 | 9°39'42 | 13♋ 9 | 21°D36 | 20°23 | 20°42 | 0°20 | 26°26 | 14°34 | 27°42 | 0°12 | 11°25 | 10° 3 | 20°52 | 25°52 | T 26 |
| W27 | 4 44 40 | 10°40'49 | 27°33 | 21°41 | 21°34 | 21°29 | 0°28 | 26°21 | 14°37 | 27°44 | 0°R12 | 11°17 | 10° 0 | 20°58 | 25°58 | W27 |
| T 28 | 4 48 37 | 11°41'57 | 11♌28 | 21°55 | 22°46 | 22°15 | 0°36 | 26°16 | 14°41 | 27°46 | 0°12 | 11°11 | 9°56 | 21° 5 | 26° 4 | T 28 |
| F 29 | 4 52 33 | 12°43'05 | 24°52 | 22°17 | 23°58 | 23° 2 | 0°43 | 26°11 | 14°44 | 27°48 | 0°12 | 11° 7 | 9°53 | 21°12 | 26°10 | F 29 |
| S 30 | 4 56 30 | 13♐44'15 | 7♍48 | 22♏47 | 25♑ 9 | 23♑49 | 0♎51 | 26♊ 7 | 14♏47 | 27♎49 | 0♍12 | 11♎ 5 | 9♎50 | 21♏19 | 26♐16 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s12 | 11n57 | 4s23 | 23s48 | 2s25 | 25s 0 | 1s49 | 24s56 | 1s22 | 2n31 | 1n12 | 22n34 | 0s59 | 15s32 | 0n19 | 8s44 | 1n48 | 24n10 | 13n34 | 5s 6 | 4s31 | 14s21 | 18s40 | 4n45 |
| S 2 | 16 30 | 8 32 | 3 38 | 23 49 | 2 20 | 25 7 | 1 50 | 24 55 | 1 22 | 2 27 | 1 12 | 22 34 | 0 59 | 15 33 | 0 19 | 8 45 | 1 48 | 24 10 | 13 35 | 5 6 | 4 30 | 14 22 | 18 40 | 4 45 |
| S 3 | 16 48 | 4 49 | 2 44 | 23 47 | 2 13 | 25 14 | 1 52 | 24 54 | 1 22 | 2 23 | 1 12 | 22 34 | 0 59 | 15 35 | 0 19 | 8 45 | 1 48 | 24 10 | 13 35 | 5 7 | 4 29 | 14 23 | 18 41 | 4 45 |
| M 4 | 17 5 | 0 58 | 1 44 | 23 44 | 2 5 | 25 19 | 1 54 | 24 53 | 1 22 | 2 19 | 1 12 | 22 34 | 0 59 | 15 36 | 0 19 | 8 46 | 1 48 | 24 10 | 13 36 | 5 8 | 4 28 | 14 24 | 18 41 | 4 45 |
| T 5 | 17 23 | 2s52 | 0 40 | 23 37 | 1 55 | 25 24 | 1 55 | 24 52 | 1 22 | 2 15 | 1 13 | 22 34 | 0 59 | 15 37 | 0 19 | 8 47 | 1 48 | 24 10 | 13 36 | 5 8 | 4 26 | 14 26 | 18 41 | 4 45 |
| W 6 | 17 39 | 6 33 | 0n25 | 23 27 | 1 44 | 25 28 | 1 57 | 24 50 | 1 22 | 2 11 | 1 13 | 22 34 | 0 59 | 15 38 | 0 19 | 8 48 | 1 48 | 24 10 | 13 37 | 5 8 | 4 25 | 14 27 | 18 42 | 4 45 |
| T 7 | 17 56 | 9 57 | 1 29 | 23 15 | 1 32 | 25 31 | 1 59 | 24 48 | 1 22 | 2 8 | 1 13 | 22 34 | 0 59 | 15 39 | 0 19 | 8 48 | 1 48 | 24 11 | 13 37 | 5 8 | 4 24 | 14 28 | 18 42 | 4 44 |
| F 8 | 18 12 | 12 57 | 2 28 | 22 59 | 1 18 | 25 34 | 2 0 | 24 45 | 1 22 | 2 4 | 1 13 | 22 34 | 0 59 | 15 40 | 0 19 | 8 49 | 1 48 | 24 11 | 13 37 | 5 6 | 4 23 | 14 29 | 18 42 | 4 44 |
| S 9 | 18 28 | 15 24 | 3 21 | 22 40 | 1 3 | 25 36 | 2 1 | 24 43 | 1 21 | 2 0 | 1 13 | 22 34 | 0 59 | 15 41 | 0 19 | 8 50 | 1 48 | 24 11 | 13 38 | 5 4 | 4 21 | 14 30 | 18 43 | 4 44 |
| S 10 | 18 43 | 17 13 | 4 5 | 22 18 | 0 46 | 25 37 | 2 3 | 24 40 | 1 21 | 1 56 | 1 14 | 22 34 | 0 59 | 15 42 | 0 19 | 8 51 | 1 48 | 24 11 | 13 38 | 5 1 | 4 20 | 14 31 | 18 43 | 4 44 |
| M11 | 18 58 | 18 18 | 4 38 | 21 52 | 0 28 | 25 37 | 2 4 | 24 37 | 1 21 | 1 52 | 1 14 | 22 34 | 0 59 | 15 44 | 0 19 | 8 51 | 1 48 | 24 11 | 13 39 | 4 58 | 4 19 | 14 32 | 18 43 | 4 44 |
| T 12 | 19 13 | 18 34 | 5 0 | 21 23 | 0 8 | 25 36 | 2 5 | 24 33 | 1 21 | 1 49 | 1 14 | 22 34 | 0 59 | 15 45 | 0 19 | 8 52 | 1 48 | 24 12 | 13 39 | 4 55 | 4 17 | 14 34 | 18 44 | 4 44 |
| W13 | 19 28 | 18 0 | 5 8 | 20 51 | 0n12 | 25 35 | 2 6 | 24 29 | 1 21 | 1 45 | 1 14 | 22 34 | 0 59 | 15 46 | 0 19 | 8 53 | 1 49 | 24 12 | 13 40 | 4 52 | 4 16 | 14 35 | 18 44 | 4 44 |
| T 14 | 19 42 | 16 35 | 5 3 | 20 17 | 0 32 | 25 33 | 2 7 | 24 25 | 1 21 | 1 42 | 1 14 | 22 34 | 0 59 | 15 47 | 0 19 | 8 53 | 1 49 | 24 12 | 13 40 | 4 49 | 4 15 | 14 36 | 18 44 | 4 44 |
| F 15 | 19 56 | 14 23 | 4 43 | 19 41 | 0 52 | 25 30 | 2 8 | 24 21 | 1 20 | 1 38 | 1 14 | 22 34 | 0 59 | 15 48 | 0 19 | 8 54 | 1 49 | 24 13 | 13 41 | 4 47 | 4 14 | 14 37 | 18 45 | 4 44 |
| S 16 | 20 9 | 11 27 | 4 9 | 19 5 | 1 12 | 25 27 | 2 9 | 24 16 | 1 20 | 1 35 | 1 15 | 22 34 | 0 59 | 15 49 | 0 19 | 8 55 | 1 49 | 24 13 | 13 41 | 4 46 | 4 12 | 14 38 | 18 45 | 4 44 |
| S 17 | 20 22 | 7 53 | 3 21 | 18 29 | 1 31 | 25 22 | 2 9 | 24 11 | 1 20 | 1 31 | 1 15 | 22 34 | 0 59 | 15 50 | 0 19 | 8 55 | 1 49 | 24 13 | 13 42 | 4 46 | 4 11 | 14 39 | 18 45 | 4 43 |
| M18 | 20 35 | 3 49 | 2 21 | 17 54 | 1 48 | 25 17 | 2 10 | 24 6 | 1 20 | 1 28 | 1 15 | 22 34 | 0 59 | 15 51 | 0 19 | 8 56 | 1 49 | 24 14 | 13 42 | 4 46 | 4 10 | 14 40 | 18 46 | 4 43 |
| T 19 | 20 47 | 0n35 | 1 11 | 17 21 | 2 4 | 25 11 | 2 10 | 24 1 | 1 20 | 1 24 | 1 15 | 22 34 | 0 59 | 15 52 | 0 19 | 8 57 | 1 49 | 24 14 | 13 43 | 4 47 | 4 9 | 14 41 | 18 46 | 4 43 |
| W20 | 20 59 | 5 5 | 0s 5 | 16 52 | 2 17 | 25 5 | 2 11 | 23 55 | 1 19 | 1 21 | 1 15 | 22 33 | 0 58 | 15 53 | 0 19 | 8 57 | 1 49 | 24 14 | 13 43 | 4 47 | 4 7 | 14 42 | 18 46 | 4 43 |
| T 21 | 21 10 | 9 25 | 1 23 | 16 27 | 2 28 | 24 58 | 2 11 | 23 49 | 1 19 | 1 18 | 1 16 | 22 33 | 0 58 | 15 54 | 0 19 | 8 58 | 1 49 | 24 15 | 13 44 | 4 46 | 4 6 | 14 44 | 18 46 | 4 43 |
| F 22 | 21 21 | 13 14 | 2 37 | 16 6 | 2 37 | 24 50 | 2 11 | 23 43 | 1 19 | 1 15 | 1 16 | 22 33 | 0 58 | 15 55 | 0 19 | 8 59 | 1 49 | 24 15 | 13 44 | 4 45 | 4 5 | 14 45 | 18 46 | 4 43 |
| S 23 | 21 32 | 16 13 | 3 41 | 15 50 | 2 44 | 24 41 | 2 11 | 23 36 | 1 19 | 1 11 | 1 16 | 22 33 | 0 58 | 15 56 | 0 19 | 8 59 | 1 49 | 24 15 | 13 45 | 4 43 | 4 4 | 14 46 | 18 47 | 4 43 |
| S 24 | 21 42 | 18 4 | 4 29 | 15 39 | 2 48 | 24 32 | 2 12 | 23 29 | 1 18 | 1 8 | 1 16 | 22 33 | 0 58 | 15 58 | 0 19 | 9 0 | 1 49 | 24 16 | 13 45 | 4 40 | 4 2 | 14 47 | 18 47 | 4 43 |
| M25 | 21 52 | 18 36 | 4 57 | 15 32 | 2 51 | 24 21 | 2 11 | 23 22 | 1 18 | 1 5 | 1 17 | 22 33 | 0 58 | 15 59 | 0 19 | 9 1 | 1 49 | 24 16 | 13 46 | 4 36 | 4 1 | 14 48 | 18 47 | 4 43 |
| T 26 | 22 1 | 17 51 | 5 5 | 15 30 | 2 51 | 24 11 | 2 11 | 23 15 | 1 18 | 1 2 | 1 17 | 22 33 | 0 58 | 16 0 | 0 19 | 9 1 | 1 49 | 24 17 | 13 46 | 4 32 | 4 0 | 14 49 | 18 47 | 4 43 |
| W27 | 22 10 | 15 58 | 4 53 | 15 32 | 2 51 | 23 59 | 2 11 | 23 7 | 1 18 | 0 59 | 1 17 | 22 33 | 0 58 | 16 1 | 0 19 | 9 2 | 1 49 | 24 17 | 13 47 | 4 29 | 3 59 | 14 50 | 18 48 | 4 43 |
| T 28 | 22 19 | 13 12 | 4 24 | 15 38 | 2 49 | 23 47 | 2 11 | 22 59 | 1 17 | 0 56 | 1 17 | 22 33 | 0 58 | 16 2 | 0 19 | 9 2 | 1 49 | 24 18 | 13 47 | 4 27 | 3 57 | 14 51 | 18 48 | 4 43 |
| F 29 | 22 27 | 9 50 | 3 41 | 15 46 | 2 46 | 23 34 | 2 10 | 22 51 | 1 17 | 0 54 | 1 17 | 22 33 | 0 58 | 16 3 | 0 19 | 9 3 | 1 49 | 24 18 | 13 48 | 4 25 | 3 56 | 14 52 | 18 48 | 4 43 |
| S 30 | 22s34 | 6n 5 | 2s48 | 15s58 | 2n41 | 23s21 | 2s10 | 22s43 | 1s17 | 0n51 | 1n18 | 22n33 | 0s58 | 16s 4 | 0n19 | 9s 4 | 1n49 | 24n19 | 13n48 | 4s25 | 3s55 | 14s53 | 18s48 | 4n43 |

Julian Day Number = 2076385.5, Delta T = 26m43s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'29, Lahiri = 9°32'30 Julian Calendar 1 Nov. 972 == Greg. Calendar 6 Nov. 972


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# ASTRODIENST EPHEMERIS for the year 972
# geocentric

## DECEMBER 972 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 0 27 | 14♐45'25 | 20♍20 | 23♏23 | 26♑20 | 24♑36 | 0♎58 | 26°R 2 | 14♏51 | 27♎51 | 0°R12 | 11°D 5 | 9♎47 | 21♏25 | 26♐22 | S 1 |
| M 2 | 5 4 23 | 15°46'36 | 2♎33 | 24° 6 | 27°32 | 25°23 | 1° 6 | 25♊57 | 14°54 | 27°53 | 0♍12 | 11♎ 6 | 9°44 | 21°32 | 26°28 | M 2 |
| T 3 | 5 8 20 | 16°47'47 | 14°33 | 24°54 | 28°43 | 26°10 | 1°13 | 25°52 | 14°57 | 27°54 | 0°12 | 11°R 6 | 9°40 | 21°39 | 26°34 | T 3 |
| W 4 | 5 12 16 | 17°48'59 | 26°24 | 25°47 | 29°54 | 26°57 | 1°20 | 25°47 | 15° 1 | 27°56 | 0°11 | 11° 5 | 9°37 | 21°45 | 26°40 | W 4 |
| T 5 | 5 16 13 | 18°50'12 | 8♏11 | 26°44 | 1♒ 5 | 27°44 | 1°26 | 25°42 | 15° 4 | 27°58 | 0°11 | 11° 1 | 9°34 | 21°52 | 26°46 | T 5 |
| F 6 | 5 20 9 | 19°51'25 | 19°59 | 27°45 | 2°16 | 28°31 | 1°33 | 25°37 | 15° 7 | 27°59 | 0°11 | 10°55 | 9°31 | 21°59 | 26°52 | F 6 |
| S 7 | 5 24 6 | 20°52'38 | 1♐49 | 28°50 | 3°26 | 29°18 | 1°39 | 25°33 | 15°10 | 28° 1 | 0°11 | 10°45 | 9°28 | 22° 5 | 26°58 | S 7 |
| S 8 | 5 28 2 | 21°53'52 | 13°45 | 29°57 | 4°37 | 0♒ 5 | 1°46 | 25°28 | 15°14 | 28° 2 | 0°10 | 10°33 | 9°25 | 22°12 | 27° 4 | S 8 |
| M 9 | 5 31 59 | 22°55'05 | 25°48 | 1♐ 6 | 5°48 | 0°52 | 1°52 | 25°23 | 15°17 | 28° 4 | 0°10 | 10°20 | 9°21 | 22°19 | 27°10 | M 9 |
| T 10 | 5 35 56 | 23°56'19 | 7♑59 | 2°18 | 6°58 | 1°39 | 1°58 | 25°18 | 15°20 | 28° 5 | 0°10 | 10° 5 | 9°18 | 22°25 | 27°16 | T 10 |
| W11 | 5 39 52 | 24°57'33 | 20°18 | 3°32 | 8° 9 | 2°26 | 2° 4 | 25°13 | 15°23 | 28° 7 | 0° 9 | 9°52 | 9°15 | 22°32 | 27°22 | W11 |
| T 12 | 5 43 49 | 25°58'47 | 2♒47 | 4°48 | 9°19 | 3°13 | 2°10 | 25° 8 | 15°26 | 28° 8 | 0° 9 | 9°40 | 9°12 | 22°39 | 27°28 | T 12 |
| F 13 | 5 47 45 | 27° 0'00 | 15°26 | 6° 5 | 10°29 | 4° 1 | 2°15 | 25° 3 | 15°29 | 28° 9 | 0° 8 | 9°31 | 9° 9 | 22°45 | 27°34 | F 13 |
| S 14 | 5 51 42 | 28° 1'13 | 28°17 | 7°24 | 11°39 | 4°48 | 2°21 | 24°58 | 15°32 | 28°11 | 0° 8 | 9°25 | 9° 6 | 22°52 | 27°40 | S 14 |
| S 15 | 5 55 38 | 29° 2'26 | 11♓22 | 8°44 | 12°49 | 5°35 | 2°26 | 24°53 | 15°35 | 28°12 | 0° 7 | 9°22 | 9° 2 | 22°59 | 27°46 | S 15 |
| M16 | 5 59 35 | 0♑ 3'39 | 24°43 | 10° 6 | 13°58 | 6°22 | 2°31 | 24°48 | 15°38 | 28°13 | 0° 6 | 9°21 | 8°59 | 23° 5 | 27°52 | M16 |
| T 17 | 6 3 31 | 1° 4'50 | 8♈23 | 11°28 | 15° 8 | 7° 9 | 2°36 | 24°43 | 15°41 | 28°15 | 0° 6 | 9°21 | 8°56 | 23°12 | 27°58 | T 17 |
| W18 | 6 7 28 | 2° 6'02 | 22°23 | 12°51 | 16°17 | 7°56 | 2°41 | 24°38 | 15°44 | 28°16 | 0° 5 | 9°20 | 8°53 | 23°19 | 28° 4 | W18 |
| T 19 | 6 11 25 | 3° 7'13 | 6♉44 | 14°15 | 17°27 | 8°43 | 2°45 | 24°33 | 15°47 | 28°17 | 0° 5 | 9°18 | 8°50 | 23°25 | 28°10 | T 19 |
| F 20 | 6 15 21 | 4° 8'23 | 21°23 | 15°40 | 18°36 | 9°30 | 2°50 | 24°28 | 15°49 | 28°18 | 0° 4 | 9°14 | 8°46 | 23°32 | 28°16 | F 20 |
| S 21 | 6 19 18 | 5° 9'33 | 6♊17 | 17° 6 | 19°45 | 10°17 | 2°54 | 24°23 | 15°52 | 28°19 | 0° 3 | 9° 6 | 8°43 | 23°39 | 28°22 | S 21 |
| S 22 | 6 23 14 | 6°10'42 | 21°17 | 18°33 | 20°53 | 11° 4 | 2°58 | 24°19 | 15°55 | 28°21 | 0° 2 | 8°56 | 8°40 | 23°46 | 28°28 | S 22 |
| M23 | 6 27 11 | 7°11'51 | 6♋15 | 20° 0 | 22° 2 | 11°51 | 3° 2 | 24°14 | 15°57 | 28°22 | 0° 2 | 8°44 | 8°37 | 23°52 | 28°34 | M23 |
| T 24 | 6 31 7 | 8°12'59 | 21° 1 | 21°28 | 23°10 | 12°38 | 3° 6 | 24° 9 | 16° 0 | 28°23 | 0° 1 | 8°32 | 8°34 | 23°59 | 28°40 | T 24 |
| W25 | 6 35 4 | 9°14'07 | 5♌26 | 22°56 | 24°18 | 13°25 | 3° 9 | 24° 4 | 16° 3 | 28°24 | 29♌59 | 8°21 | 8°31 | 24° 6 | 28°46 | W25 |
| T 26 | 6 39 0 | 10°15'14 | 19°25 | 24°26 | 25°26 | 14°12 | 3°12 | 24° 0 | 16° 5 | 28°25 | 29°59 | 8°12 | 8°27 | 24°12 | 28°52 | T 26 |
| F 27 | 6 42 57 | 11°16'21 | 2♍55 | 25°55 | 26°34 | 14°59 | 3°16 | 23°55 | 16° 8 | 28°26 | 29°58 | 8° 5 | 8°24 | 24°19 | 28°58 | F 27 |
| S 28 | 6 46 54 | 12°17'28 | 15°57 | 27°26 | 27°42 | 15°46 | 3°19 | 23°50 | 16°10 | 28°27 | 29°57 | 8° 2 | 8°21 | 24°26 | 29° 3 | S 28 |
| S 29 | 6 50 50 | 13°18'34 | 28°35 | 28°57 | 28°49 | 16°33 | 3°22 | 23°46 | 16°13 | 28°28 | 29°56 | 8° 0 | 8°18 | 24°32 | 29° 9 | S 29 |
| M30 | 6 54 47 | 14°19'39 | 10♎51 | 0♑28 | 29°56 | 17°20 | 3°24 | 23°41 | 16°15 | 28°28 | 29°55 | 8° 0 | 8°15 | 24°39 | 29°15 | M30 |
| T 31 | 6 58 43 | 15♑20'45 | 22♎53 | 2♑ 0 | 1♓ 3 | 18♒ 7 | 3♎27 | 23♊37 | 16♏17 | 28♎29 | 29♌54 | 8♎ 0 | 8♎12 | 24♏46 | 29♐21 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s42 | 2n11 | 1s49 | 16s12 | 2n37 | 23s 6 | 2s 9 | 22s34 | 1s16 | 0n48 | 1n18 | 22n33 | 0s58 | 16s 5 | 0n19 | 9s 4 | 1n49 | 24n19 | 13n49 | 4s25 | 3s54 | 14s55 | 18s48 | 4n43 |
| M 2 | 22 48 | 1s43 | 0 46 | 16 28 | 2 31 | 22 52 | 2 8 | 22 25 | 1 16 | 0 45 | 1 18 | 22 33 | 0 58 | 16 6 | 0 19 | 9 5 | 1 49 | 24 20 | 13 49 | 4 25 | 3 52 | 14 56 | 18 48 | 4 43 |
| T 3 | 22 55 | 5 29 | 0n18 | 16 45 | 2 25 | 22 36 | 2 7 | 22 16 | 1 16 | 0 43 | 1 18 | 22 33 | 0 58 | 16 7 | 0 19 | 9 5 | 1 49 | 24 20 | 13 50 | 4 25 | 3 51 | 14 57 | 18 48 | 4 43 |
| W 4 | 23 0 | 8 59 | 1 21 | 17 5 | 2 18 | 22 20 | 2 6 | 22 7 | 1 15 | 0 40 | 1 19 | 22 33 | 0 57 | 16 8 | 0 19 | 9 6 | 1 49 | 24 21 | 13 50 | 4 24 | 3 50 | 14 58 | 18 49 | 4 43 |
| T 5 | 23 6 | 12 7 | 2 19 | 17 25 | 2 11 | 22 4 | 2 5 | 21 57 | 1 15 | 0 38 | 1 19 | 22 33 | 0 57 | 16 8 | 0 19 | 9 6 | 1 49 | 24 21 | 13 51 | 4 23 | 3 49 | 14 59 | 18 49 | 4 43 |
| F 6 | 23 11 | 14 46 | 3 11 | 17 46 | 2 3 | 21 46 | 2 4 | 21 47 | 1 15 | 0 35 | 1 19 | 22 33 | 0 57 | 16 9 | 0 19 | 9 7 | 1 49 | 24 22 | 13 51 | 4 20 | 3 47 | 15 0 | 18 49 | 4 43 |
| S 7 | 23 15 | 16 48 | 3 55 | 18 7 | 1 56 | 21 29 | 2 3 | 21 37 | 1 14 | 0 33 | 1 19 | 22 32 | 0 57 | 16 10 | 0 19 | 9 7 | 1 49 | 24 22 | 13 52 | 4 17 | 3 46 | 15 1 | 18 49 | 4 43 |
| S 8 | 23 19 | 18 7 | 4 29 | 18 30 | 1 48 | 21 10 | 2 1 | 21 27 | 1 14 | 0 31 | 1 20 | 22 32 | 0 57 | 16 11 | 0 19 | 9 8 | 1 50 | 24 23 | 13 52 | 4 12 | 3 45 | 15 2 | 18 49 | 4 43 |
| M 9 | 23 23 | 18 39 | 4 51 | 18 52 | 1 40 | 20 51 | 2 0 | 21 16 | 1 14 | 0 28 | 1 20 | 22 32 | 0 57 | 16 12 | 0 19 | 9 8 | 1 50 | 24 23 | 13 53 | 4 7 | 3 44 | 15 3 | 18 49 | 4 43 |
| T 10 | 23 26 | 18 20 | 5 1 | 19 14 | 1 32 | 20 32 | 1 58 | 21 5 | 1 13 | 0 26 | 1 20 | 22 32 | 0 57 | 16 13 | 0 19 | 9 9 | 1 50 | 24 24 | 13 53 | 4 1 | 3 42 | 15 4 | 18 49 | 4 43 |
| W11 | 23 28 | 17 9 | 4 56 | 19 37 | 1 24 | 20 12 | 1 56 | 20 54 | 1 13 | 0 24 | 1 20 | 22 32 | 0 57 | 16 14 | 0 19 | 9 9 | 1 50 | 24 25 | 13 53 | 3 56 | 3 41 | 15 5 | 18 49 | 4 44 |
| T 12 | 23 30 | 15 9 | 4 37 | 19 59 | 1 15 | 19 51 | 1 54 | 20 43 | 1 13 | 0 22 | 1 21 | 22 32 | 0 57 | 16 15 | 0 19 | 9 10 | 1 50 | 24 25 | 13 54 | 3 51 | 3 40 | 15 6 | 18 49 | 4 44 |
| F 13 | 23 32 | 12 24 | 4 4 | 20 20 | 1 7 | 19 30 | 1 52 | 20 32 | 1 12 | 0 20 | 1 21 | 22 32 | 0 57 | 16 16 | 0 19 | 9 10 | 1 50 | 24 26 | 13 54 | 3 47 | 3 39 | 15 7 | 18 49 | 4 44 |
| S 14 | 23 33 | 9 1 | 3 19 | 20 42 | 0 59 | 19 9 | 1 50 | 20 20 | 1 12 | 0 18 | 1 21 | 22 32 | 0 56 | 16 17 | 0 19 | 9 10 | 1 50 | 24 26 | 13 55 | 3 45 | 3 37 | 15 8 | 18 49 | 4 44 |
| S 15 | 23 34 | 5 9 | 2 22 | 21 3 | 0 51 | 18 47 | 1 48 | 20 8 | 1 11 | 0 16 | 1 21 | 22 32 | 0 56 | 16 18 | 0 19 | 9 11 | 1 50 | 24 27 | 13 55 | 3 44 | 3 36 | 15 9 | 18 49 | 4 44 |
| M16 | 23 34 | 0 56 | 1 17 | 21 23 | 0 42 | 18 24 | 1 45 | 19 56 | 1 11 | 0 14 | 1 22 | 22 32 | 0 56 | 16 18 | 0 19 | 9 11 | 1 50 | 24 28 | 13 56 | 3 43 | 3 35 | 15 11 | 18 49 | 4 44 |
| T 17 | 23 34 | 3n25 | 0 5 | 21 43 | 0 34 | 18 1 | 1 43 | 19 43 | 1 11 | 0 13 | 1 22 | 22 32 | 0 56 | 16 19 | 0 19 | 9 12 | 1 50 | 24 28 | 13 56 | 3 43 | 3 34 | 15 12 | 18 49 | 4 44 |
| W18 | 23 33 | 7 42 | 1s 8 | 22 2 | 0 26 | 17 38 | 1 40 | 19 31 | 1 10 | 0 11 | 1 22 | 22 32 | 0 56 | 16 20 | 0 19 | 9 12 | 1 50 | 24 29 | 13 57 | 3 43 | 3 32 | 15 13 | 18 49 | 4 44 |
| T 19 | 23 32 | 11 38 | 2 19 | 22 20 | 0 19 | 17 14 | 1 38 | 19 18 | 1 10 | 0 9 | 1 22 | 22 32 | 0 56 | 16 21 | 0 19 | 9 12 | 1 50 | 24 30 | 13 57 | 3 42 | 3 31 | 15 14 | 18 49 | 4 44 |
| F 20 | 23 30 | 14 57 | 3 23 | 22 37 | 0 11 | 16 50 | 1 35 | 19 5 | 1 9 | 0 8 | 1 23 | 22 31 | 0 56 | 16 22 | 0 19 | 9 13 | 1 50 | 24 30 | 13 57 | 3 41 | 3 30 | 15 15 | 18 49 | 4 44 |
| S 21 | 23 28 | 17 19 | 4 13 | 22 53 | 0 3 | 16 26 | 1 32 | 18 52 | 1 9 | 0 7 | 1 23 | 22 31 | 0 56 | 16 23 | 0 19 | 9 13 | 1 50 | 24 31 | 13 58 | 3 38 | 3 29 | 15 16 | 18 49 | 4 45 |
| S 22 | 23 25 | 18 31 | 4 46 | 23 9 | 0s 4 | 16 1 | 1 29 | 18 39 | 1 8 | 0 5 | 1 23 | 22 31 | 0 56 | 16 23 | 0 19 | 9 14 | 1 50 | 24 32 | 13 58 | 3 34 | 3 27 | 15 17 | 18 49 | 4 45 |
| M23 | 23 22 | 18 26 | 5 0 | 23 23 | 0 12 | 15 36 | 1 26 | 18 25 | 1 8 | 0 4 | 1 23 | 22 31 | 0 55 | 16 24 | 0 19 | 9 14 | 1 50 | 24 32 | 13 59 | 3 29 | 3 26 | 15 18 | 18 49 | 4 45 |
| T 24 | 23 19 | 17 5 | 4 53 | 23 37 | 0 19 | 15 10 | 1 22 | 18 11 | 1 8 | 0 3 | 1 24 | 22 31 | 0 55 | 16 25 | 0 19 | 9 14 | 1 50 | 24 33 | 13 59 | 3 24 | 3 25 | 15 19 | 18 49 | 4 45 |
| W25 | 23 15 | 14 41 | 4 28 | 23 49 | 0 26 | 14 44 | 1 19 | 17 57 | 1 7 | 0 1 | 1 24 | 22 31 | 0 55 | 16 26 | 0 19 | 9 15 | 1 50 | 24 34 | 14 0 | 3 20 | 3 24 | 15 20 | 18 49 | 4 45 |
| T 26 | 23 10 | 11 29 | 3 47 | 24 0 | 0 33 | 14 18 | 1 16 | 17 43 | 1 7 | 0 0 | 1 24 | 22 31 | 0 55 | 16 26 | 0 19 | 9 15 | 1 51 | 24 34 | 14 0 | 3 16 | 3 22 | 15 21 | 18 49 | 4 45 |
| F 27 | 23 5 | 7 47 | 2 54 | 24 10 | 0 40 | 13 51 | 1 12 | 17 29 | 1 6 | 0s 1 | 1 25 | 22 31 | 0 55 | 16 27 | 0 19 | 9 15 | 1 51 | 24 35 | 14 0 | 3 14 | 3 21 | 15 22 | 18 49 | 4 45 |
| S 28 | 23 0 | 3 49 | 1 54 | 24 19 | 0 46 | 13 24 | 1 8 | 17 14 | 1 6 | 0 2 | 1 25 | 22 31 | 0 55 | 16 28 | 0 19 | 9 15 | 1 51 | 24 36 | 14 1 | 3 12 | 3 20 | 15 23 | 18 48 | 4 46 |
| S 29 | 22 54 | 0s11 | 0 50 | 24 26 | 0 53 | 12 57 | 1 4 | 17 0 | 1 5 | 0 3 | 1 25 | 22 31 | 0 55 | 16 28 | 0 19 | 9 16 | 1 51 | 24 36 | 14 1 | 3 12 | 3 18 | 15 24 | 18 48 | 4 46 |
| M30 | 22 48 | 4 5 | 0n15 | 24 33 | 0 59 | 12 30 | 1 0 | 16 45 | 1 5 | 0 3 | 1 25 | 22 31 | 0 54 | 16 29 | 0 19 | 9 16 | 1 51 | 24 37 | 14 2 | 3 11 | 3 17 | 15 25 | 18 48 | 4 46 |
| T 31 | 22s41 | 7s44 | 1n18 | 24s38 | 1s 5 | 12s 2 | 0s56 | 16s30 | 1s 4 | 0s 4 | 1n26 | 22n31 | 0s54 | 16s30 | 0n19 | 9s16 | 1n51 | 24n38 | 14n 2 | 3s11 | 3s16 | 15s26 | 18s48 | 4n46 |

Julian Day Number = 2076415.5, Delta T = 26m43s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'33, Lahiri = 9°32'34 Julian Calendar 1 Dec. 972 == Greg. Calendar 6 Dec. 972


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## JANUARY 973 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 2 40 | 16♑21'50 | 4♏45 | 3♑33 | 2♓10 | 18♒54 | 3♎29 | 23°R33 | 16♏20 | 28♎30 | 29°R53 | 7°R59 | 8♎ 8 | 24♏52 | 29♐27 | W 1 |
| T 2 | 7 6 36 | 17°22'54 | 16°33 | 5° 6 | 3°17 | 19°41 | 3°31 | 23♊28 | 16°22 | 28°31 | 29♌52 | 7♎55 | 8° 5 | 24°59 | 29°33 | T 2 |
| F 3 | 7 10 33 | 18°23'58 | 28°22 | 6°40 | 4°23 | 20°28 | 3°33 | 23°24 | 16°24 | 28°32 | 29°51 | 7°49 | 8° 2 | 25° 6 | 29°38 | F 3 |
| S 4 | 7 14 29 | 19°25'01 | 10♐16 | 8°14 | 5°29 | 21°15 | 3°35 | 23°20 | 16°26 | 28°32 | 29°50 | 7°40 | 7°59 | 25°12 | 29°44 | S 4 |
| S 5 | 7 18 26 | 20°26'03 | 22°18 | 9°50 | 6°35 | 22° 2 | 3°36 | 23°16 | 16°29 | 28°33 | 29°49 | 7°29 | 7°56 | 25°19 | 29°50 | S 5 |
| M 6 | 7 22 23 | 21°27'05 | 4♑30 | 11°25 | 7°40 | 22°49 | 3°38 | 23°12 | 16°31 | 28°34 | 29°48 | 7°15 | 7°52 | 25°26 | 29°56 | M 6 |
| T 7 | 7 26 19 | 22°28'06 | 16°53 | 13° 2 | 8°46 | 23°36 | 3°39 | 23° 7 | 16°33 | 28°34 | 29°47 | 7° 1 | 7°49 | 25°33 | 0♑ 1 | T 7 |
| W 8 | 7 30 16 | 23°29'05 | 29°29 | 14°39 | 9°50 | 24°23 | 3°40 | 23° 4 | 16°35 | 28°35 | 29°46 | 6°48 | 7°46 | 25°39 | 0° 7 | W 8 |
| T 9 | 7 34 12 | 24°30'04 | 12♒16 | 16°16 | 10°55 | 25° 9 | 3°41 | 23° 0 | 16°37 | 28°35 | 29°44 | 6°36 | 7°43 | 25°46 | 0°12 | T 9 |
| F 10 | 7 38 9 | 25°31'02 | 25°14 | 17°55 | 12° 0 | 25°56 | 3°41 | 22°56 | 16°39 | 28°36 | 29°43 | 6°27 | 7°40 | 25°53 | 0°18 | F 10 |
| S 11 | 7 42 5 | 26°31'58 | 8♓23 | 19°34 | 13° 4 | 26°43 | 3°42 | 22°52 | 16°40 | 28°36 | 29°42 | 6°21 | 7°37 | 25°59 | 0°24 | S 11 |
| S 12 | 7 46 2 | 27°32'53 | 21°42 | 21°13 | 14° 7 | 27°30 | 3°42 | 22°49 | 16°42 | 28°37 | 29°41 | 6°18 | 7°33 | 26° 6 | 0°29 | S 12 |
| M13 | 7 49 58 | 28°33'46 | 5♈13 | 22°54 | 15°11 | 28°16 | 3°R42 | 22°45 | 16°44 | 28°37 | 29°39 | 6°D17 | 7°30 | 26°13 | 0°35 | M13 |
| T 14 | 7 53 55 | 29°34'38 | 18°55 | 24°35 | 16°14 | 29° 3 | 3°42 | 22°42 | 16°46 | 28°37 | 29°38 | 6°17 | 7°27 | 26°19 | 0°40 | T 14 |
| W15 | 7 57 52 | 0♒35'28 | 2♉50 | 26°17 | 17°17 | 29°50 | 3°41 | 22°38 | 16°47 | 28°38 | 29°37 | 6°R18 | 7°24 | 26°26 | 0°46 | W15 |
| T 16 | 8 1 48 | 1°36'17 | 16°58 | 28° 0 | 18°19 | 0♓37 | 3°41 | 22°35 | 16°49 | 28°38 | 29°35 | 6°17 | 7°21 | 26°33 | 0°51 | T 16 |
| F 17 | 8 5 45 | 2°37'05 | 1♊17 | 29°43 | 19°21 | 1°23 | 3°40 | 22°32 | 16°50 | 28°38 | 29°34 | 6°13 | 7°18 | 26°39 | 0°56 | F 17 |
| S 18 | 8 9 41 | 3°37'50 | 15°46 | 1♒27 | 20°22 | 2°10 | 3°39 | 22°29 | 16°52 | 28°39 | 29°33 | 6° 8 | 7°14 | 26°46 | 1° 2 | S 18 |
| S 19 | 8 13 38 | 4°38'35 | 0♋19 | 3°13 | 21°24 | 2°56 | 3°38 | 22°25 | 16°53 | 28°39 | 29°31 | 6° 0 | 7°11 | 26°53 | 1° 7 | S 19 |
| M20 | 8 17 34 | 5°39'17 | 14°51 | 4°58 | 22°24 | 3°43 | 3°37 | 22°23 | 16°55 | 28°39 | 29°30 | 5°50 | 7° 8 | 26°59 | 1°12 | M20 |
| T 21 | 8 21 31 | 6°39'58 | 29°15 | 6°45 | 23°25 | 4°29 | 3°35 | 22°20 | 16°56 | 28°39 | 29°28 | 5°40 | 7° 5 | 27° 6 | 1°17 | T 21 |
| W22 | 8 25 27 | 7°40'38 | 13♌24 | 8°32 | 24°25 | 5°16 | 3°34 | 22°17 | 16°58 | 28°39 | 29°27 | 5°31 | 7° 2 | 27°13 | 1°22 | W22 |
| T 23 | 8 29 24 | 8°41'16 | 27°13 | 10°20 | 25°24 | 6° 2 | 3°32 | 22°14 | 16°59 | 28°39 | 29°26 | 5°23 | 6°58 | 27°20 | 1°28 | T 23 |
| F 24 | 8 33 21 | 9°41'53 | 10♍39 | 12° 9 | 26°23 | 6°49 | 3°30 | 22°12 | 17° 0 | 28°R39 | 29°24 | 5°18 | 6°55 | 27°26 | 1°33 | F 24 |
| S 25 | 8 37 17 | 10°42'28 | 23°41 | 13°59 | 27°21 | 7°35 | 3°28 | 22° 9 | 17° 1 | 28°39 | 29°23 | 5°15 | 6°52 | 27°33 | 1°38 | S 25 |
| S 26 | 8 41 14 | 11°43'02 | 6♎20 | 15°49 | 28°19 | 8°22 | 3°25 | 22° 7 | 17° 2 | 28°39 | 29°21 | 5°D14 | 6°49 | 27°40 | 1°43 | S 26 |
| M27 | 8 45 10 | 12°43'34 | 18°41 | 17°40 | 29°16 | 9° 8 | 3°23 | 22° 5 | 17° 3 | 28°39 | 29°20 | 5°15 | 6°46 | 27°46 | 1°48 | M27 |
| T 28 | 8 49 7 | 13°44'05 | 0♏46 | 19°31 | 0♈13 | 9°54 | 3°20 | 22° 3 | 17° 4 | 28°39 | 29°18 | 5°16 | 6°43 | 27°53 | 1°53 | T 28 |
| W29 | 8 53 3 | 14°44'35 | 12°41 | 21°23 | 1° 9 | 10°41 | 3°17 | 22° 1 | 17° 5 | 28°39 | 29°17 | 5°R17 | 6°39 | 28° 0 | 1°57 | W29 |
| T 30 | 8 57 0 | 15°45'04 | 24°32 | 23°15 | 2° 5 | 11°27 | 3°14 | 21°59 | 17° 6 | 28°39 | 29°15 | 5°16 | 6°36 | 28° 6 | 2° 2 | T 30 |
| F 31 | 9 0 56 | 16♒45'31 | 6♐22 | 25♒ 7 | 3♈ 0 | 12♓13 | 3♎10 | 21♊57 | 17♏ 7 | 28♎38 | 29♌14 | 5♎14 | 6♎33 | 28♏13 | 2♑ 7 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s34 | 11s 2 | 2n17 | 24s42 | 1s10 | 11s34 | 0s52 | 16s15 | 1s 4 | 0s 5 | 1n26 | 22n31 | 0s54 | 16s30 | 0n19 | 9s16 | 1n51 | 24n39 | 14n 2 | 3s11 | 3s15 | 15s27 | 18s48 | 4n46 |
| T 2 | 22 26 | 13 52 | 3 9 | 24 44 | 1 16 | 11 6 | 0 48 | 16 0 | 1 3 | 0 5 | 1 26 | 22 31 | 0 54 | 16 31 | 0 19 | 9 17 | 1 51 | 24 39 | 14 3 | 3 10 | 3 13 | 15 28 | 18 48 | 4 46 |
| F 3 | 22 18 | 16 7 | 3 53 | 24 45 | 1 21 | 10 38 | 0 43 | 15 44 | 1 3 | 0 6 | 1 26 | 22 30 | 0 54 | 16 32 | 0 19 | 9 17 | 1 51 | 24 40 | 14 3 | 3 7 | 3 12 | 15 29 | 18 47 | 4 47 |
| S 4 | 22 9 | 17 42 | 4 28 | 24 44 | 1 26 | 10 9 | 0 39 | 15 29 | 1 2 | 0 6 | 1 27 | 22 30 | 0 54 | 16 32 | 0 19 | 9 17 | 1 51 | 24 41 | 14 3 | 3 4 | 3 11 | 15 30 | 18 47 | 4 47 |
| S 5 | 22 0 | 18 31 | 4 50 | 24 43 | 1 31 | 9 40 | 0 34 | 15 13 | 1 2 | 0 7 | 1 27 | 22 30 | 0 54 | 16 33 | 0 19 | 9 17 | 1 51 | 24 42 | 14 4 | 2 59 | 3 10 | 15 31 | 18 47 | 4 47 |
| M 6 | 21 51 | 18 29 | 5 0 | 24 39 | 1 35 | 9 11 | 0 29 | 14 57 | 1 1 | 0 7 | 1 27 | 22 30 | 0 53 | 16 34 | 0 19 | 9 17 | 1 51 | 24 42 | 14 4 | 2 54 | 3 8 | 15 32 | 18 47 | 4 47 |
| T 7 | 21 41 | 17 36 | 4 56 | 24 34 | 1 39 | 8 42 | 0 24 | 14 41 | 1 1 | 0 7 | 1 28 | 22 30 | 0 53 | 16 34 | 0 19 | 9 17 | 1 51 | 24 43 | 14 5 | 2 48 | 3 7 | 15 33 | 18 47 | 4 48 |
| W 8 | 21 31 | 15 50 | 4 38 | 24 28 | 1 43 | 8 13 | 0 19 | 14 25 | 1 0 | 0 7 | 1 28 | 22 30 | 0 53 | 16 35 | 0 19 | 9 18 | 1 51 | 24 44 | 14 5 | 2 43 | 3 6 | 15 34 | 18 46 | 4 48 |
| T 9 | 21 20 | 13 17 | 4 5 | 24 20 | 1 47 | 7 44 | 0 14 | 14 8 | 1 0 | 0 7 | 1 28 | 22 30 | 0 53 | 16 35 | 0 19 | 9 18 | 1 51 | 24 44 | 14 5 | 2 38 | 3 5 | 15 35 | 18 46 | 4 48 |
| F 10 | 21 9 | 10 3 | 3 19 | 24 11 | 1 50 | 7 14 | 0 9 | 13 52 | 0 59 | 0 7 | 1 28 | 22 30 | 0 53 | 16 36 | 0 19 | 9 18 | 1 51 | 24 45 | 14 5 | 2 35 | 3 3 | 15 36 | 18 46 | 4 48 |
| S 11 | 20 58 | 6 16 | 2 22 | 24 0 | 1 53 | 6 45 | 0 4 | 13 36 | 0 59 | 0 7 | 1 29 | 22 30 | 0 53 | 16 36 | 0 19 | 9 18 | 1 52 | 24 46 | 14 6 | 2 32 | 3 2 | 15 37 | 18 46 | 4 49 |
| S 12 | 20 46 | 2 8 | 1 17 | 23 47 | 1 56 | 6 15 | 0n 2 | 13 19 | 0 58 | 0 7 | 1 29 | 22 30 | 0 52 | 16 37 | 0 19 | 9 18 | 1 52 | 24 47 | 14 6 | 2 31 | 3 1 | 15 38 | 18 45 | 4 49 |
| M13 | 20 34 | 2n10 | 0 6 | 23 33 | 1 58 | 5 46 | 0 7 | 13 2 | 0 57 | 0 7 | 1 29 | 22 30 | 0 52 | 16 37 | 0 19 | 9 18 | 1 52 | 24 48 | 14 6 | 2 31 | 3 0 | 15 39 | 18 45 | 4 49 |
| T 14 | 20 21 | 6 25 | 1s 7 | 23 17 | 2 0 | 5 16 | 0 13 | 12 45 | 0 57 | 0 7 | 1 30 | 22 30 | 0 52 | 16 38 | 0 19 | 9 18 | 1 52 | 24 48 | 14 7 | 2 31 | 2 58 | 15 40 | 18 45 | 4 49 |
| W15 | 20 8 | 10 23 | 2 16 | 23 0 | 2 1 | 4 46 | 0 19 | 12 28 | 0 56 | 0 6 | 1 30 | 22 30 | 0 52 | 16 38 | 0 19 | 9 18 | 1 52 | 24 49 | 14 7 | 2 31 | 2 57 | 15 41 | 18 44 | 4 50 |
| T 16 | 19 55 | 13 49 | 3 19 | 22 40 | 2 2 | 4 16 | 0 24 | 12 11 | 0 56 | 0 6 | 1 30 | 22 30 | 0 52 | 16 39 | 0 19 | 9 18 | 1 52 | 24 50 | 14 7 | 2 30 | 2 56 | 15 42 | 18 44 | 4 50 |
| F 17 | 19 41 | 16 27 | 4 10 | 22 20 | 2 3 | 3 46 | 0 30 | 11 54 | 0 55 | 0 5 | 1 30 | 22 30 | 0 52 | 16 39 | 0 19 | 9 18 | 1 52 | 24 51 | 14 8 | 2 29 | 2 55 | 15 43 | 18 44 | 4 50 |
| S 18 | 19 27 | 18 5 | 4 45 | 21 57 | 2 4 | 3 17 | 0 36 | 11 37 | 0 55 | 0 5 | 1 31 | 22 30 | 0 51 | 16 40 | 0 19 | 9 18 | 1 52 | 24 51 | 14 8 | 2 27 | 2 53 | 15 44 | 18 44 | 4 50 |
| S 19 | 19 12 | 18 32 | 5 2 | 21 33 | 2 3 | 2 47 | 0 42 | 11 19 | 0 54 | 0 4 | 1 31 | 22 30 | 0 51 | 16 40 | 0 19 | 9 18 | 1 52 | 24 52 | 14 8 | 2 24 | 2 52 | 15 45 | 18 43 | 4 51 |
| M20 | 18 58 | 17 46 | 5 0 | 21 7 | 2 3 | 2 17 | 0 49 | 11 2 | 0 53 | 0 3 | 1 31 | 22 30 | 0 51 | 16 40 | 0 19 | 9 18 | 1 52 | 24 53 | 14 8 | 2 20 | 2 51 | 15 46 | 18 43 | 4 51 |
| T 21 | 18 42 | 15 52 | 4 39 | 20 39 | 2 2 | 1 47 | 0 55 | 10 44 | 0 53 | 0 2 | 1 31 | 22 30 | 0 51 | 16 41 | 0 19 | 9 18 | 1 52 | 24 54 | 14 9 | 2 16 | 2 49 | 15 46 | 18 43 | 4 51 |
| W22 | 18 27 | 13 3 | 4 1 | 20 10 | 2 0 | 1 18 | 1 2 | 10 27 | 0 52 | 0 1 | 1 32 | 22 30 | 0 51 | 16 41 | 0 19 | 9 18 | 1 52 | 24 54 | 14 9 | 2 12 | 2 48 | 15 47 | 18 42 | 4 52 |
| T 23 | 18 11 | 9 33 | 3 9 | 19 39 | 1 58 | 0 48 | 1 8 | 10 9 | 0 52 | 0 0 | 1 32 | 22 30 | 0 51 | 16 41 | 0 19 | 9 18 | 1 52 | 24 55 | 14 9 | 2 9 | 2 47 | 15 48 | 18 42 | 4 52 |
| F 24 | 17 55 | 5 39 | 2 8 | 19 6 | 1 56 | 0 18 | 1 15 | 9 51 | 0 51 | 0n 1 | 1 32 | 22 30 | 0 50 | 16 42 | 0 19 | 9 18 | 1 52 | 24 56 | 14 9 | 2 7 | 2 46 | 15 49 | 18 41 | 4 52 |
| S 25 | 17 39 | 1 35 | 1 2 | 18 31 | 1 53 | 0n11 | 1 21 | 9 33 | 0 51 | 0 2 | 1 32 | 22 30 | 0 50 | 16 42 | 0 19 | 9 18 | 1 52 | 24 56 | 14 10 | 2 6 | 2 44 | 15 50 | 18 41 | 4 53 |
| S 26 | 17 22 | 2s26 | 0n 6 | 17 55 | 1 49 | 0 40 | 1 28 | 9 15 | 0 50 | 0 3 | 1 33 | 22 30 | 0 50 | 16 42 | 0 19 | 9 18 | 1 53 | 24 57 | 14 10 | 2 6 | 2 43 | 15 51 | 18 41 | 4 53 |
| M27 | 17 5 | 6 15 | 1 12 | 17 17 | 1 45 | 1 10 | 1 35 | 8 57 | 0 49 | 0 4 | 1 33 | 22 30 | 0 50 | 16 43 | 0 19 | 9 18 | 1 53 | 24 58 | 14 10 | 2 6 | 2 42 | 15 52 | 18 40 | 4 53 |
| T 28 | 16 48 | 9 44 | 2 13 | 16 38 | 1 40 | 1 39 | 1 42 | 8 39 | 0 49 | 0 6 | 1 33 | 22 30 | 0 50 | 16 43 | 0 19 | 9 18 | 1 53 | 24 59 | 14 10 | 2 6 | 2 41 | 15 53 | 18 40 | 4 54 |
| W29 | 16 30 | 12 45 | 3 8 | 15 57 | 1 35 | 2 8 | 1 49 | 8 21 | 0 48 | 0 7 | 1 33 | 22 30 | 0 49 | 16 43 | 0 19 | 9 18 | 1 53 | 24 59 | 14 10 | 2 7 | 2 39 | 15 54 | 18 39 | 4 54 |
| T 30 | 16 12 | 15 13 | 3 54 | 15 14 | 1 29 | 2 37 | 1 56 | 8 3 | 0 48 | 0 9 | 1 34 | 22 30 | 0 49 | 16 43 | 0 19 | 9 18 | 1 53 | 25 0 | 14 11 | 2 6 | 2 38 | 15 55 | 18 39 | 4 54 |
| F 31 | 15s54 | 17s 3 | 4n30 | 14s30 | 1s22 | 3n 5 | 2n 3 | 7s44 | 0s47 | 0n10 | 1n34 | 22n30 | 0s49 | 16s44 | 0n19 | 9s18 | 1n53 | 25n 1 | 14n11 | 2s 5 | 2s37 | 15s56 | 18s39 | 4n55 |

Julian Day Number = 2076446.5, Delta T = 26m42s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'37, Lahiri = 9°32'38 Julian Calendar 1 Jan. 973 == Greg. Calendar 6 Jan. 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## FEBRUARY 973 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 4 53 | 17♒45'57 | 18♐19 | 26♒59 | 3♈55 | 12♓59 | 3°R 7 | 21°R55 | 17♏ 8 | 28°R38 | 29°R12 | 5°R10 | 6♎30 | 28♏20 | 2♉12 | S 1 |
| S 2 | 9 8 50 | 18°46'21 | 0♉24 | 28°51 | 4°48 | 13°45 | 3♎ 3 | 21♊53 | 17° 8 | 28♎38 | 29♌11 | 5♎ 3 | 6°27 | 28°26 | 2°16 | S 2 |
| M 3 | 9 12 46 | 19°46'44 | 12°43 | 0♓42 | 5°42 | 14°31 | 2°59 | 21°52 | 17° 9 | 28°38 | 29° 9 | 4°56 | 6°23 | 28°33 | 2°21 | M 3 |
| T 4 | 9 16 43 | 20°47'05 | 25°16 | 2°33 | 6°34 | 15°18 | 2°55 | 21°51 | 17°10 | 28°37 | 29° 8 | 4°47 | 6°20 | 28°40 | 2°25 | T 4 |
| W 5 | 9 20 39 | 21°47'24 | 8♒ 6 | 4°22 | 7°26 | 16° 4 | 2°51 | 21°49 | 17°10 | 28°37 | 29° 6 | 4°39 | 6°17 | 28°47 | 2°30 | W 5 |
| T 6 | 9 24 36 | 22°47'42 | 21°12 | 6°10 | 8°17 | 16°50 | 2°47 | 21°48 | 17°11 | 28°36 | 29° 4 | 4°32 | 6°14 | 28°53 | 2°34 | T 6 |
| F 7 | 9 28 32 | 23°47'58 | 4♓32 | 7°56 | 9° 7 | 17°36 | 2°42 | 21°47 | 17°11 | 28°36 | 29° 3 | 4°27 | 6°11 | 29° 0 | 2°39 | F 7 |
| S 8 | 9 32 29 | 24°48'12 | 18° 6 | 9°39 | 9°56 | 18°21 | 2°38 | 21°46 | 17°12 | 28°35 | 29° 1 | 4°24 | 6° 8 | 29° 7 | 2°43 | S 8 |
| S 9 | 9 36 25 | 25°48'24 | 1♈50 | 11°20 | 10°45 | 19° 7 | 2°33 | 21°45 | 17°12 | 28°35 | 29° 0 | 4°D23 | 6° 4 | 29°13 | 2°47 | S 9 |
| M10 | 9 40 22 | 26°48'34 | 15°43 | 12°58 | 11°32 | 19°53 | 2°28 | 21°44 | 17°12 | 28°34 | 28°58 | 4°23 | 6° 1 | 29°20 | 2°51 | M10 |
| T 11 | 9 44 19 | 27°48'42 | 29°42 | 14°31 | 12°19 | 20°39 | 2°23 | 21°44 | 17°12 | 28°34 | 28°57 | 4°24 | 5°58 | 29°27 | 2°56 | T 11 |
| W12 | 9 48 15 | 28°48'47 | 13♉47 | 16° 0 | 13° 5 | 21°25 | 2°17 | 21°43 | 17°13 | 28°33 | 28°55 | 4°26 | 5°55 | 29°33 | 3° 0 | W12 |
| T 13 | 9 52 12 | 29°48'51 | 27°55 | 17°24 | 13°49 | 22°11 | 2°12 | 21°43 | 17°13 | 28°33 | 28°53 | 4°R27 | 5°52 | 29°40 | 3° 4 | T 13 |
| F 14 | 9 56 8 | 0♓48'52 | 12♊ 6 | 18°42 | 14°33 | 22°56 | 2° 6 | 21°43 | 17°13 | 28°32 | 28°52 | 4°26 | 5°49 | 29°47 | 3° 8 | F 14 |
| S 15 | 10 0 5 | 1°48'51 | 26°17 | 19°55 | 15°16 | 23°42 | 2° 1 | 21°42 | 17°R13 | 28°31 | 28°50 | 4°24 | 5°45 | 29°54 | 3°12 | S 15 |
| S 16 | 10 4 1 | 2°48'48 | 10♋25 | 21° 0 | 15°57 | 24°27 | 1°55 | 21°D42 | 17°13 | 28°31 | 28°49 | 4°21 | 5°42 | 0♐ 0 | 3°15 | S 16 |
| M17 | 10 7 58 | 3°48'43 | 24°28 | 21°58 | 16°38 | 25°13 | 1°49 | 21°42 | 17°13 | 28°30 | 28°47 | 4°16 | 5°39 | 0° 7 | 3°19 | M17 |
| T 18 | 10 11 54 | 4°48'35 | 8♌22 | 22°49 | 17°17 | 25°58 | 1°43 | 21°43 | 17°12 | 28°29 | 28°46 | 4°12 | 5°36 | 0°14 | 3°23 | T 18 |
| W19 | 10 15 51 | 5°48'25 | 22° 4 | 23°32 | 17°55 | 26°44 | 1°37 | 21°43 | 17°12 | 28°28 | 28°44 | 4° 7 | 5°33 | 0°20 | 3°27 | W19 |
| T 20 | 10 19 48 | 6°48'13 | 5♍31 | 24° 6 | 18°32 | 27°29 | 1°30 | 21°43 | 17°12 | 28°27 | 28°42 | 4° 4 | 5°29 | 0°27 | 3°30 | T 20 |
| F 21 | 10 23 44 | 7°47'59 | 18°41 | 24°32 | 19° 7 | 28°15 | 1°24 | 21°44 | 17°12 | 28°27 | 28°41 | 4° 1 | 5°26 | 0°34 | 3°34 | F 21 |
| S 22 | 10 27 41 | 8°47'43 | 1♎32 | 24°50 | 19°41 | 29° 0 | 1°17 | 21°44 | 17°11 | 28°26 | 28°39 | 4°D 0 | 5°23 | 0°40 | 3°37 | S 22 |
| S 23 | 10 31 37 | 9°47'25 | 14° 7 | 24°59 | 20°13 | 29°45 | 1°11 | 21°45 | 17°11 | 28°25 | 28°38 | 4° 1 | 5°20 | 0°47 | 3°41 | S 23 |
| M24 | 10 35 34 | 10°47'05 | 26°25 | 25°R 0 | 20°44 | 0♈31 | 1° 4 | 21°46 | 17°10 | 28°24 | 28°36 | 4° 2 | 5°17 | 0°54 | 3°44 | M24 |
| T 25 | 10 39 30 | 11°46'44 | 8♏31 | 24°52 | 21°14 | 1°16 | 0°57 | 21°47 | 17°10 | 28°23 | 28°35 | 4° 4 | 5°14 | 1° 0 | 3°47 | T 25 |
| W26 | 10 43 27 | 12°46'20 | 20°28 | 24°36 | 21°41 | 2° 1 | 0°50 | 21°48 | 17° 9 | 28°22 | 28°33 | 4° 5 | 5°10 | 1° 7 | 3°50 | W26 |
| T 27 | 10 47 23 | 13°45'55 | 2♐20 | 24°13 | 22° 8 | 2°46 | 0°43 | 21°49 | 17° 9 | 28°21 | 28°32 | 4° 7 | 5° 7 | 1°14 | 3°53 | T 27 |
| F 28 | 10 51 20 | 14♓45'28 | 14♐12 | 23♓43 | 22♈32 | 3♈31 | 0♎36 | 21♊50 | 17♏ 8 | 28♎20 | 28♌30 | 4°R 7 | 5♎ 4 | 1♐21 | 3♉56 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s35 | 18s 9 | 4n55 | 13s45 | 1s15 | 3n34 | 2n11 | 7s26 | 0s46 | 0n12 | 1n34 | 22n30 | 0s49 | 16s44 | 0n19 | 9s17 | 1n53 | 25n 2 | 14n11 | 2s 4 | 2s36 | 15s57 | 18s38 | 4n55 |
| S 2 | 15 17 | 18 27 | 5 7 | 12 59 | 1 7 | 4 2 | 2 18 | 7 8 | 0 46 | 0 13 | 1 34 | 22 31 | 0 49 | 16 44 | 0 19 | 9 17 | 1 53 | 25 2 | 14 11 | 2 1 | 2 34 | 15 58 | 18 38 | 4 55 |
| M 3 | 14 58 | 17 54 | 5 5 | 12 11 | 0 58 | 4 30 | 2 26 | 6 49 | 0 45 | 0 15 | 1 35 | 22 31 | 0 49 | 16 44 | 0 19 | 9 17 | 1 53 | 25 3 | 14 11 | 1 58 | 2 33 | 15 59 | 18 37 | 4 56 |
| T 4 | 14 39 | 16 28 | 4 49 | 11 23 | 0 49 | 4 58 | 2 33 | 6 31 | 0 45 | 0 17 | 1 35 | 22 31 | 0 48 | 16 44 | 0 19 | 9 17 | 1 53 | 25 4 | 14 11 | 1 55 | 2 32 | 16 0 | 18 37 | 4 56 |
| W 5 | 14 19 | 14 11 | 4 18 | 10 34 | 0 39 | 5 25 | 2 41 | 6 12 | 0 44 | 0 19 | 1 35 | 22 31 | 0 48 | 16 45 | 0 19 | 9 17 | 1 53 | 25 4 | 14 11 | 1 52 | 2 31 | 16 0 | 18 36 | 4 56 |
| T 6 | 14 0 | 11 9 | 3 32 | 9 44 | 0 28 | 5 53 | 2 48 | 5 54 | 0 43 | 0 21 | 1 35 | 22 31 | 0 48 | 16 45 | 0 19 | 9 17 | 1 53 | 25 5 | 14 12 | 1 49 | 2 29 | 16 1 | 18 36 | 4 57 |
| F 7 | 13 40 | 7 30 | 2 35 | 8 54 | 0 17 | 6 20 | 2 56 | 5 35 | 0 43 | 0 23 | 1 36 | 22 31 | 0 48 | 16 45 | 0 19 | 9 16 | 1 53 | 25 6 | 14 12 | 1 47 | 2 28 | 16 2 | 18 35 | 4 57 |
| S 8 | 13 20 | 3 24 | 1 27 | 8 4 | 0 5 | 6 46 | 3 4 | 5 16 | 0 42 | 0 25 | 1 36 | 22 31 | 0 48 | 16 45 | 0 19 | 9 16 | 1 53 | 25 6 | 14 12 | 1 45 | 2 27 | 16 3 | 18 35 | 4 58 |
| S 9 | 12 59 | 0n57 | 0 14 | 7 14 | 0n 8 | 7 13 | 3 12 | 4 58 | 0 41 | 0 27 | 1 36 | 22 31 | 0 47 | 16 45 | 0 19 | 9 16 | 1 53 | 25 7 | 14 12 | 1 45 | 2 25 | 16 4 | 18 34 | 4 58 |
| M10 | 12 39 | 5 16 | 1s 1 | 6 25 | 0 20 | 7 39 | 3 20 | 4 39 | 0 41 | 0 29 | 1 36 | 22 31 | 0 47 | 16 45 | 0 19 | 9 16 | 1 53 | 25 8 | 14 12 | 1 45 | 2 24 | 16 5 | 18 34 | 4 58 |
| T 11 | 12 18 | 9 21 | 2 14 | 5 36 | 0 34 | 8 4 | 3 27 | 4 20 | 0 40 | 0 31 | 1 36 | 22 32 | 0 47 | 16 45 | 0 19 | 9 15 | 1 54 | 25 8 | 14 12 | 1 46 | 2 23 | 16 6 | 18 33 | 4 59 |
| W12 | 11 57 | 12 54 | 3 18 | 4 49 | 0 47 | 8 30 | 3 35 | 4 2 | 0 40 | 0 34 | 1 37 | 22 32 | 0 47 | 16 45 | 0 19 | 9 15 | 1 54 | 25 9 | 14 12 | 1 46 | 2 22 | 16 7 | 18 33 | 4 59 |
| T 13 | 11 36 | 15 43 | 4 11 | 4 4 | 1 1 | 8 55 | 3 43 | 3 43 | 0 39 | 0 36 | 1 37 | 22 32 | 0 47 | 16 45 | 0 19 | 9 15 | 1 54 | 25 10 | 14 12 | 1 47 | 2 20 | 16 8 | 18 32 | 5 0 |
| F 14 | 11 15 | 17 35 | 4 49 | 3 20 | 1 15 | 9 19 | 3 52 | 3 24 | 0 38 | 0 38 | 1 37 | 22 32 | 0 47 | 16 45 | 0 19 | 9 14 | 1 54 | 25 10 | 14 12 | 1 46 | 2 19 | 16 9 | 18 32 | 5 0 |
| S 15 | 10 53 | 18 22 | 5 9 | 2 39 | 1 30 | 9 43 | 4 0 | 3 5 | 0 38 | 0 41 | 1 37 | 22 32 | 0 46 | 16 45 | 0 19 | 9 14 | 1 54 | 25 11 | 14 12 | 1 45 | 2 18 | 16 9 | 18 31 | 5 1 |
| S 16 | 10 32 | 18 0 | 5 10 | 2 0 | 1 44 | 10 7 | 4 8 | 2 47 | 0 37 | 0 43 | 1 37 | 22 32 | 0 46 | 16 45 | 0 19 | 9 14 | 1 54 | 25 12 | 14 12 | 1 44 | 2 17 | 16 10 | 18 31 | 5 1 |
| M17 | 10 10 | 16 32 | 4 53 | 1 24 | 1 58 | 10 30 | 4 16 | 2 28 | 0 36 | 0 46 | 1 38 | 22 33 | 0 46 | 16 45 | 0 19 | 9 14 | 1 54 | 25 12 | 14 12 | 1 42 | 2 15 | 16 11 | 18 30 | 5 1 |
| T 18 | 9 48 | 14 6 | 4 19 | 0 52 | 2 11 | 10 53 | 4 24 | 2 9 | 0 36 | 0 49 | 1 38 | 22 33 | 0 46 | 16 45 | 0 19 | 9 13 | 1 54 | 25 13 | 14 12 | 1 40 | 2 14 | 16 12 | 18 30 | 5 2 |
| W19 | 9 26 | 10 55 | 3 30 | 0 23 | 2 24 | 11 15 | 4 32 | 1 50 | 0 35 | 0 51 | 1 38 | 22 33 | 0 46 | 16 45 | 0 19 | 9 13 | 1 54 | 25 13 | 14 12 | 1 39 | 2 13 | 16 13 | 18 29 | 5 2 |
| T 20 | 9 4 | 7 13 | 2 30 | 0n 3 | 2 37 | 11 37 | 4 40 | 1 32 | 0 34 | 0 54 | 1 38 | 22 33 | 0 45 | 16 45 | 0 19 | 9 13 | 1 54 | 25 14 | 14 12 | 1 37 | 2 12 | 16 14 | 18 29 | 5 3 |
| F 21 | 8 41 | 3 14 | 1 23 | 0 24 | 2 48 | 11 58 | 4 48 | 1 13 | 0 34 | 0 57 | 1 38 | 22 33 | 0 45 | 16 45 | 0 19 | 9 12 | 1 54 | 25 15 | 14 12 | 1 36 | 2 10 | 16 15 | 18 28 | 5 3 |
| S 22 | 8 19 | 0s49 | 0 14 | 0 41 | 2 59 | 12 18 | 4 57 | 0 54 | 0 33 | 0 59 | 1 38 | 22 34 | 0 45 | 16 45 | 0 19 | 9 12 | 1 54 | 25 15 | 14 12 | 1 36 | 2 9 | 16 16 | 18 28 | 5 4 |
| S 23 | 7 56 | 4 45 | 0n55 | 0 53 | 3 9 | 12 38 | 5 5 | 0 36 | 0 32 | 1 2 | 1 39 | 22 34 | 0 45 | 16 45 | 0 19 | 9 11 | 1 54 | 25 16 | 14 12 | 1 36 | 2 8 | 16 17 | 18 27 | 5 4 |
| M24 | 7 34 | 8 23 | 2 0 | 1 1 | 3 17 | 12 58 | 5 13 | 0 17 | 0 32 | 1 5 | 1 39 | 22 34 | 0 45 | 16 45 | 0 19 | 9 11 | 1 54 | 25 16 | 14 12 | 1 37 | 2 7 | 16 17 | 18 27 | 5 5 |
| T 25 | 7 11 | 11 36 | 2 59 | 1 5 | 3 25 | 13 16 | 5 21 | 0n 2 | 0 31 | 1 8 | 1 39 | 22 34 | 0 45 | 16 44 | 0 19 | 9 11 | 1 54 | 25 17 | 14 12 | 1 37 | 2 5 | 16 18 | 18 26 | 5 5 |
| W26 | 6 48 | 14 17 | 3 49 | 1 4 | 3 30 | 13 34 | 5 29 | 0 20 | 0 31 | 1 11 | 1 39 | 22 35 | 0 44 | 16 44 | 0 20 | 9 10 | 1 54 | 25 17 | 14 12 | 1 38 | 2 4 | 16 19 | 18 26 | 5 5 |
| T 27 | 6 25 | 16 21 | 4 29 | 0 58 | 3 34 | 13 51 | 5 37 | 0 39 | 0 30 | 1 14 | 1 39 | 22 35 | 0 44 | 16 44 | 0 20 | 9 10 | 1 54 | 25 18 | 14 12 | 1 39 | 2 3 | 16 20 | 18 25 | 5 6 |
| F 28 | 6s 2 | 17s43 | 4n57 | 0n48 | 3n36 | 14n 8 | 5n44 | 0n58 | 0s29 | 1n17 | 1n39 | 22n35 | 0s44 | 16s44 | 0n20 | 9s 9 | 1n54 | 25n18 | 14n12 | 1s39 | 2s 1 | 16s21 | 18s24 | 5n 6 |

Julian Day Number = 2076477.5, Delta T = 26m42s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'42, Lahiri = 9°32'42 Julian Calendar 1 Feb. 973 == Greg. Calendar 6 Feb. 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## MARCH 973 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 55 16 | 15♓44'59 | 26♐ 9 | 23°R 7 | 22♈55 | 4♈16 | 0°R29 | 21♊52 | 17°R 7 | 28°R19 | 28°R29 | 4°R 7 | 5♎ 1 | 1♐27 | 3♑59 | S 1 |
| S 2 | 10 59 13 | 16°44'29 | 8♑16 | 22♓26 | 23°15 | 5° 1 | 0♎21 | 21°53 | 17♏ 7 | 28♎18 | 28♌27 | 4♎ 5 | 4°58 | 1°34 | 4° 2 | S 2 |
| M 3 | 11 3 10 | 17°43'56 | 20°36 | 21°41 | 23°34 | 5°46 | 0°14 | 21°55 | 17° 6 | 28°16 | 28°26 | 4° 4 | 4°55 | 1°41 | 4° 5 | M 3 |
| T 4 | 11 7 6 | 18°43'22 | 3♒14 | 20°52 | 23°51 | 6°31 | 0° 7 | 21°57 | 17° 5 | 28°15 | 28°24 | 4° 1 | 4°51 | 1°47 | 4° 8 | T 4 |
| W 5 | 11 11 3 | 19°42'46 | 16°11 | 20° 1 | 24° 6 | 7°16 | 29♍59 | 21°58 | 17° 4 | 28°14 | 28°23 | 3°59 | 4°48 | 1°54 | 4°10 | W 5 |
| T 6 | 11 14 59 | 20°42'07 | 29°29 | 19° 9 | 24°19 | 8° 0 | 29°52 | 22° 0 | 17° 3 | 28°13 | 28°21 | 3°57 | 4°45 | 2° 1 | 4°13 | T 6 |
| F 7 | 11 18 56 | 21°41'27 | 13♓ 7 | 18°17 | 24°29 | 8°45 | 29°44 | 22° 2 | 17° 2 | 28°12 | 28°20 | 3°56 | 4°42 | 2° 7 | 4°16 | F 7 |
| S 8 | 11 22 52 | 22°40'45 | 27° 3 | 17°25 | 24°38 | 9°30 | 29°36 | 22° 5 | 17° 1 | 28°10 | 28°19 | 3°D56 | 4°39 | 2°14 | 4°18 | S 8 |
| S 9 | 11 26 49 | 23°40'00 | 11♈14 | 16°36 | 24°44 | 10°15 | 29°29 | 22° 7 | 17° 0 | 28° 9 | 28°17 | 3°56 | 4°35 | 2°21 | 4°20 | S 9 |
| M10 | 11 30 45 | 24°39'14 | 25°36 | 15°50 | 24°47 | 10°59 | 29°21 | 22° 9 | 16°59 | 28° 8 | 28°16 | 3°56 | 4°32 | 2°28 | 4°23 | M10 |
| T 11 | 11 34 42 | 25°38'25 | 10♉ 2 | 15° 7 | 24°R49 | 11°44 | 29°14 | 22°12 | 16°57 | 28° 7 | 28°14 | 3°57 | 4°29 | 2°34 | 4°25 | T 11 |
| W12 | 11 38 39 | 26°37'34 | 24°28 | 14°28 | 24°48 | 12°28 | 29° 6 | 22°14 | 16°56 | 28° 5 | 28°13 | 3°57 | 4°26 | 2°41 | 4°27 | W12 |
| T 13 | 11 42 35 | 27°36'40 | 8♊51 | 13°54 | 24°44 | 13°13 | 28°58 | 22°17 | 16°55 | 28° 4 | 28°12 | 3°58 | 4°23 | 2°48 | 4°29 | T 13 |
| F 14 | 11 46 32 | 28°35'45 | 23° 7 | 13°26 | 24°39 | 13°57 | 28°50 | 22°20 | 16°54 | 28° 3 | 28°10 | 3°R58 | 4°20 | 2°54 | 4°31 | F 14 |
| S 15 | 11 50 28 | 29°34'46 | 7♋12 | 13° 2 | 24°30 | 14°41 | 28°43 | 22°23 | 16°52 | 28° 1 | 28° 9 | 3°58 | 4°16 | 3° 1 | 4°33 | S 15 |
| S 16 | 11 54 25 | 0♈33'46 | 21° 6 | 12°44 | 24°19 | 15°26 | 28°35 | 22°26 | 16°51 | 28° 0 | 28° 8 | 3°58 | 4°13 | 3° 8 | 4°35 | S 16 |
| M17 | 11 58 21 | 1°32'43 | 4♌48 | 12°31 | 24° 6 | 16°10 | 28°27 | 22°29 | 16°49 | 27°58 | 28° 7 | 3°58 | 4°10 | 3°15 | 4°36 | M17 |
| T 18 | 12 2 18 | 2°31'38 | 18°16 | 12°24 | 23°50 | 16°54 | 28°20 | 22°32 | 16°48 | 27°57 | 28° 5 | 3°58 | 4° 7 | 3°21 | 4°38 | T 18 |
| W19 | 12 6 14 | 3°30'30 | 1♍31 | 12°D22 | 23°32 | 17°38 | 28°12 | 22°35 | 16°46 | 27°56 | 28° 4 | 3°D57 | 4° 4 | 3°28 | 4°40 | W19 |
| T 20 | 12 10 11 | 4°29'20 | 14°33 | 12°26 | 23°11 | 18°22 | 28° 4 | 22°38 | 16°45 | 27°54 | 28° 3 | 3°57 | 4° 0 | 3°35 | 4°41 | T 20 |
| F 21 | 12 14 8 | 5°28'08 | 27°21 | 12°34 | 22°48 | 19° 6 | 27°57 | 22°42 | 16°43 | 27°53 | 28° 2 | 3°R57 | 3°57 | 3°41 | 4°43 | F 21 |
| S 22 | 12 18 4 | 6°26'54 | 9♎56 | 12°48 | 22°23 | 19°50 | 27°49 | 22°45 | 16°41 | 27°51 | 28° 0 | 3°57 | 3°54 | 3°48 | 4°44 | S 22 |
| S 23 | 12 22 1 | 7°25'38 | 22°18 | 13° 7 | 21°56 | 20°34 | 27°41 | 22°49 | 16°40 | 27°50 | 27°59 | 3°57 | 3°51 | 3°55 | 4°45 | S 23 |
| M24 | 12 25 57 | 8°24'20 | 4♏30 | 13°30 | 21°26 | 21°18 | 27°34 | 22°53 | 16°38 | 27°48 | 27°58 | 3°57 | 3°48 | 4° 1 | 4°46 | M24 |
| T 25 | 12 29 54 | 9°23'00 | 16°32 | 13°58 | 20°55 | 22° 2 | 27°27 | 22°57 | 16°36 | 27°47 | 27°57 | 3°56 | 3°45 | 4° 8 | 4°47 | T 25 |
| W26 | 12 33 50 | 10°21'38 | 28°28 | 14°30 | 20°23 | 22°46 | 27°19 | 23° 1 | 16°34 | 27°45 | 27°56 | 3°55 | 3°41 | 4°15 | 4°48 | W26 |
| T 27 | 12 37 47 | 11°20'14 | 10♐20 | 15° 7 | 19°49 | 23°30 | 27°12 | 23° 5 | 16°32 | 27°44 | 27°55 | 3°55 | 3°38 | 4°22 | 4°49 | T 27 |
| F 28 | 12 41 43 | 12°18'49 | 22°13 | 15°47 | 19°13 | 24°13 | 27° 5 | 23° 9 | 16°31 | 27°42 | 27°54 | 3°54 | 3°35 | 4°28 | 4°50 | F 28 |
| S 29 | 12 45 40 | 13°17'22 | 4♑ 9 | 16°31 | 18°37 | 24°57 | 26°57 | 23°13 | 16°29 | 27°41 | 27°53 | 3°53 | 3°32 | 4°35 | 4°51 | S 29 |
| S 30 | 12 49 36 | 14°15'53 | 16°14 | 17°18 | 18° 0 | 25°41 | 26°50 | 23°17 | 16°27 | 27°39 | 27°52 | 3°D53 | 3°29 | 4°42 | 4°52 | S 30 |
| M31 | 12 53 33 | 15♈14'23 | 28♑33 | 18♓ 9 | 17♈22 | 26♈24 | 26♍43 | 23♊21 | 16♏25 | 27♎37 | 27♌51 | 3♎53 | 3♎26 | 4♐48 | 4♑52 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s39 | 18s18 | 5n13 | 0n34 | 3n37 | 14n24 | 5n52 | 1n16 | 0s29 | 1n20 | 1n39 | 22n35 | 0s44 | 16s44 | 0n20 | 9s 9 | 1n54 | 25n19 | 14n12 | 1s39 | 2s 0 | 16s22 | 18s24 | 5n 7 |
| S 2 | 5 16 | 18 4 | 5 15 | 0 17 | 3 35 | 14 38 | 6 0 | 1 35 | 0 28 | 1 23 | 1 39 | 22 36 | 0 44 | 16 43 | 0 20 | 9 9 | 1 55 | 25 19 | 14 12 | 1 38 | 1 59 | 16 23 | 18 23 | 5 7 |
| M 3 | 4 52 | 16 59 | 5 3 | 0s 4 | 3 32 | 14 52 | 6 7 | 1 53 | 0 27 | 1 26 | 1 39 | 22 36 | 0 43 | 16 43 | 0 20 | 9 8 | 1 55 | 25 20 | 14 12 | 1 37 | 1 58 | 16 23 | 18 23 | 5 8 |
| T 4 | 4 29 | 15 4 | 4 36 | 0 28 | 3 27 | 15 6 | 6 15 | 2 12 | 0 27 | 1 29 | 1 40 | 22 36 | 0 43 | 16 43 | 0 20 | 9 8 | 1 55 | 25 20 | 14 12 | 1 36 | 1 56 | 16 24 | 18 22 | 5 8 |
| W 5 | 4 6 | 12 21 | 3 54 | 0 55 | 3 20 | 15 18 | 6 22 | 2 30 | 0 26 | 1 32 | 1 40 | 22 36 | 0 43 | 16 43 | 0 20 | 9 7 | 1 55 | 25 21 | 14 12 | 1 36 | 1 55 | 16 25 | 18 22 | 5 9 |
| T 6 | 3 42 | 8 55 | 2 59 | 1 23 | 3 12 | 15 29 | 6 29 | 2 48 | 0 25 | 1 35 | 1 40 | 22 37 | 0 43 | 16 42 | 0 20 | 9 7 | 1 55 | 25 21 | 14 12 | 1 35 | 1 54 | 16 26 | 18 21 | 5 9 |
| F 7 | 3 19 | 4 56 | 1 53 | 1 53 | 3 1 | 15 39 | 6 35 | 3 7 | 0 25 | 1 38 | 1 40 | 22 37 | 0 43 | 16 42 | 0 20 | 9 6 | 1 55 | 25 21 | 14 12 | 1 34 | 1 53 | 16 27 | 18 20 | 5 10 |
| S 8 | 2 55 | 0 36 | 0 38 | 2 23 | 2 50 | 15 48 | 6 42 | 3 25 | 0 24 | 1 41 | 1 40 | 22 37 | 0 43 | 16 42 | 0 20 | 9 6 | 1 55 | 25 22 | 14 12 | 1 34 | 1 51 | 16 28 | 18 20 | 5 10 |
| S 9 | 2 32 | 3n51 | 0s40 | 2 54 | 2 37 | 15 56 | 6 48 | 3 43 | 0 23 | 1 44 | 1 40 | 22 38 | 0 42 | 16 41 | 0 20 | 9 5 | 1 55 | 25 22 | 14 11 | 1 34 | 1 50 | 16 28 | 18 19 | 5 11 |
| M10 | 2 8 | 8 8 | 1 57 | 3 25 | 2 24 | 16 3 | 6 54 | 4 1 | 0 23 | 1 47 | 1 40 | 22 38 | 0 42 | 16 41 | 0 20 | 9 5 | 1 55 | 25 23 | 14 11 | 1 34 | 1 49 | 16 29 | 18 19 | 5 11 |
| T 11 | 1 45 | 11 57 | 3 7 | 3 55 | 2 9 | 16 9 | 6 59 | 4 20 | 0 22 | 1 50 | 1 40 | 22 38 | 0 42 | 16 41 | 0 20 | 9 4 | 1 55 | 25 23 | 14 11 | 1 35 | 1 48 | 16 30 | 18 18 | 5 12 |
| W12 | 1 21 | 15 2 | 4 5 | 4 24 | 1 54 | 16 13 | 7 5 | 4 38 | 0 21 | 1 53 | 1 40 | 22 39 | 0 42 | 16 40 | 0 20 | 9 4 | 1 55 | 25 23 | 14 11 | 1 35 | 1 46 | 16 31 | 18 18 | 5 12 |
| T 13 | 0 57 | 17 10 | 4 47 | 4 51 | 1 38 | 16 17 | 7 9 | 4 56 | 0 21 | 1 56 | 1 40 | 22 39 | 0 42 | 16 40 | 0 20 | 9 3 | 1 55 | 25 24 | 14 11 | 1 35 | 1 45 | 16 32 | 18 17 | 5 13 |
| F 14 | 0 34 | 18 12 | 5 12 | 5 17 | 1 23 | 16 18 | 7 14 | 5 13 | 0 20 | 1 59 | 1 40 | 22 39 | 0 42 | 16 40 | 0 20 | 9 3 | 1 55 | 25 24 | 14 11 | 1 35 | 1 44 | 16 33 | 18 16 | 5 13 |
| S 15 | 0 10 | 18 6 | 5 17 | 5 40 | 1 7 | 16 19 | 7 18 | 5 31 | 0 19 | 2 3 | 1 40 | 22 40 | 0 41 | 16 39 | 0 20 | 9 2 | 1 55 | 25 24 | 14 11 | 1 35 | 1 42 | 16 33 | 18 16 | 5 14 |
| S 16 | 0n13 | 16 55 | 5 3 | 6 2 | 0 51 | 16 18 | 7 21 | 5 49 | 0 19 | 2 6 | 1 40 | 22 40 | 0 41 | 16 39 | 0 20 | 9 2 | 1 55 | 25 25 | 14 10 | 1 35 | 1 41 | 16 34 | 18 15 | 5 14 |
| M17 | 0 37 | 14 45 | 4 33 | 6 21 | 0 36 | 16 16 | 7 24 | 6 7 | 0 18 | 2 9 | 1 40 | 22 40 | 0 41 | 16 38 | 0 20 | 9 1 | 1 55 | 25 25 | 14 10 | 1 35 | 1 40 | 16 35 | 18 15 | 5 15 |
| T 18 | 1 1 | 11 50 | 3 47 | 6 38 | 0 20 | 16 12 | 7 26 | 6 25 | 0 17 | 2 12 | 1 40 | 22 41 | 0 41 | 16 38 | 0 20 | 9 1 | 1 55 | 25 25 | 14 10 | 1 35 | 1 39 | 16 36 | 18 14 | 5 15 |
| W19 | 1 24 | 8 20 | 2 51 | 6 52 | 0 5 | 16 6 | 7 28 | 6 42 | 0 17 | 2 15 | 1 40 | 22 41 | 0 41 | 16 38 | 0 20 | 9 0 | 1 55 | 25 26 | 14 10 | 1 35 | 1 37 | 16 37 | 18 13 | 5 16 |
| T 20 | 1 48 | 4 30 | 1 46 | 7 4 | 0s 9 | 15 59 | 7 29 | 7 0 | 0 16 | 2 18 | 1 40 | 22 41 | 0 41 | 16 37 | 0 20 | 9 0 | 1 55 | 25 26 | 14 10 | 1 35 | 1 36 | 16 37 | 18 13 | 5 16 |
| F 21 | 2 11 | 0 30 | 0 37 | 7 14 | 0 23 | 15 51 | 7 30 | 7 17 | 0 15 | 2 21 | 1 40 | 22 42 | 0 40 | 16 37 | 0 20 | 8 59 | 1 55 | 25 26 | 14 9 | 1 35 | 1 35 | 16 38 | 18 12 | 5 17 |
| S 22 | 2 34 | 3s27 | 0n33 | 7 21 | 0 36 | 15 41 | 7 29 | 7 34 | 0 15 | 2 24 | 1 40 | 22 42 | 0 40 | 16 36 | 0 20 | 8 58 | 1 55 | 25 26 | 14 9 | 1 35 | 1 34 | 16 39 | 18 12 | 5 17 |
| S 23 | 2 58 | 7 11 | 1 40 | 7 25 | 0 49 | 15 30 | 7 28 | 7 52 | 0 14 | 2 27 | 1 40 | 22 42 | 0 40 | 16 36 | 0 20 | 8 58 | 1 55 | 25 27 | 14 9 | 1 35 | 1 32 | 16 40 | 18 11 | 5 18 |
| M24 | 3 21 | 10 33 | 2 41 | 7 27 | 1 1 | 15 17 | 7 26 | 8 9 | 0 14 | 2 30 | 1 40 | 22 43 | 0 40 | 16 35 | 0 20 | 8 57 | 1 55 | 25 27 | 14 9 | 1 35 | 1 31 | 16 41 | 18 11 | 5 19 |
| T 25 | 3 44 | 13 26 | 3 35 | 7 27 | 1 13 | 15 3 | 7 24 | 8 26 | 0 13 | 2 33 | 1 40 | 22 43 | 0 40 | 16 35 | 0 20 | 8 57 | 1 55 | 25 27 | 14 9 | 1 34 | 1 30 | 16 41 | 18 10 | 5 19 |
| W26 | 4 7 | 15 44 | 4 18 | 7 25 | 1 23 | 14 47 | 7 20 | 8 43 | 0 12 | 2 36 | 1 40 | 22 44 | 0 40 | 16 34 | 0 20 | 8 56 | 1 55 | 25 27 | 14 8 | 1 34 | 1 28 | 16 42 | 18 10 | 5 20 |
| T 27 | 4 31 | 17 20 | 4 51 | 7 20 | 1 34 | 14 30 | 7 16 | 9 0 | 0 12 | 2 38 | 1 40 | 22 44 | 0 39 | 16 34 | 0 20 | 8 56 | 1 55 | 25 27 | 14 8 | 1 34 | 1 27 | 16 43 | 18 9 | 5 20 |
| F 28 | 4 54 | 18 11 | 5 10 | 7 13 | 1 43 | 14 11 | 7 10 | 9 16 | 0 11 | 2 41 | 1 39 | 22 44 | 0 39 | 16 33 | 0 20 | 8 55 | 1 55 | 25 27 | 14 8 | 1 33 | 1 26 | 16 44 | 18 8 | 5 21 |
| S 29 | 5 16 | 18 14 | 5 17 | 7 4 | 1 52 | 13 52 | 7 4 | 9 33 | 0 10 | 2 44 | 1 39 | 22 45 | 0 39 | 16 32 | 0 20 | 8 55 | 1 55 | 25 28 | 14 8 | 1 33 | 1 25 | 16 44 | 18 8 | 5 21 |
| S 30 | 5 39 | 17 27 | 5 10 | 6 53 | 2 0 | 13 31 | 6 58 | 9 50 | 0 10 | 2 47 | 1 39 | 22 45 | 0 39 | 16 32 | 0 20 | 8 54 | 1 55 | 25 28 | 14 7 | 1 33 | 1 23 | 16 45 | 18 7 | 5 22 |
| M31 | 6n 2 | 15s52 | 4n48 | 6s40 | 2s 8 | 13n 9 | 6n50 | 10n 6 | 0s 9 | 2n50 | 1n39 | 22n45 | 0s39 | 16s31 | 0n20 | 8s53 | 1n55 | 25n28 | 14n 7 | 1s33 | 1s22 | 16s46 | 18s 7 | 5n22 |

Julian Day Number = 2076505.5, Delta T = 26m41s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'46, Lahiri = 9°32'46 Julian Calendar 1 March 973 == Greg. Calendar 6 March 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## APRIL 973 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 57 30 | 16♈12'51 | 11♒ 8 | 19♓ 3 | 16°R45 | 27♈ 8 | 26°R36 | 23♊26 | 16°R23 | 27°R36 | 27°R50 | 3♎54 | 3♎22 | 4♐55 | 4♑53 | T 1 |
| W 2 | 13 1 26 | 17°11'17 | 24° 5 | 20° 0 | 16♈ 7 | 27°51 | 26♍29 | 23°30 | 16♏21 | 27♎34 | 27♌49 | 3°55 | 3°19 | 5° 2 | 4°53 | W 2 |
| T 3 | 13 5 23 | 18° 9'42 | 7♓26 | 21° 0 | 15°29 | 28°34 | 26°23 | 23°35 | 16°19 | 27°33 | 27°48 | 3°56 | 3°16 | 5° 8 | 4°54 | T 3 |
| F 4 | 13 9 19 | 19° 8'04 | 21°12 | 22° 2 | 14°52 | 29°18 | 26°16 | 23°40 | 16°16 | 27°31 | 27°47 | 3°57 | 3°13 | 5°15 | 4°54 | F 4 |
| S 5 | 13 13 16 | 20° 6'26 | 5♈22 | 23° 8 | 14°15 | 0♉ 1 | 26° 9 | 23°45 | 16°14 | 27°29 | 27°46 | 3°R58 | 3°10 | 5°22 | 4°54 | S 5 |
| S 6 | 13 17 12 | 21° 4'45 | 19°52 | 24°16 | 13°40 | 0°44 | 26° 3 | 23°49 | 16°12 | 27°28 | 27°46 | 3°57 | 3° 6 | 5°29 | 4°54 | S 6 |
| M 7 | 13 21 9 | 22° 3'02 | 4♉38 | 25°26 | 13° 5 | 1°28 | 25°57 | 23°54 | 16°10 | 27°26 | 27°45 | 3°56 | 3° 3 | 5°35 | 4°R54 | M 7 |
| T 8 | 13 25 5 | 23° 1'18 | 19°31 | 26°39 | 12°32 | 2°11 | 25°50 | 23°59 | 16° 8 | 27°24 | 27°44 | 3°54 | 3° 0 | 5°42 | 4°54 | T 8 |
| W 9 | 13 29 2 | 23°59'32 | 4♊24 | 27°55 | 12° 0 | 2°54 | 25°44 | 24° 4 | 16° 5 | 27°23 | 27°43 | 3°51 | 2°57 | 5°49 | 4°54 | W 9 |
| T 10 | 13 32 59 | 24°57'44 | 19° 8 | 29°12 | 11°30 | 3°37 | 25°38 | 24°10 | 16° 3 | 27°21 | 27°43 | 3°48 | 2°54 | 5°55 | 4°54 | T 10 |
| F 11 | 13 36 55 | 25°55'53 | 3♋39 | 0♈32 | 11° 2 | 4°20 | 25°32 | 24°15 | 16° 1 | 27°20 | 27°42 | 3°46 | 2°51 | 6° 2 | 4°53 | F 11 |
| S 12 | 13 40 52 | 26°54'01 | 17°51 | 1°54 | 10°36 | 5° 3 | 25°27 | 24°20 | 15°59 | 27°18 | 27°41 | 3°45 | 2°47 | 6° 9 | 4°53 | S 12 |
| S 13 | 13 44 48 | 27°52'07 | 1♌43 | 3°19 | 10°12 | 5°46 | 25°21 | 24°26 | 15°56 | 27°16 | 27°41 | 3°D45 | 2°44 | 6°16 | 4°53 | S 13 |
| M14 | 13 48 45 | 28°50'10 | 15°14 | 4°45 | 9°50 | 6°29 | 25°16 | 24°31 | 15°54 | 27°15 | 27°40 | 3°46 | 2°41 | 6°22 | 4°52 | M14 |
| T 15 | 13 52 41 | 29°48'12 | 28°27 | 6°13 | 9°30 | 7°11 | 25°10 | 24°37 | 15°52 | 27°13 | 27°40 | 3°47 | 2°38 | 6°29 | 4°51 | T 15 |
| W16 | 13 56 38 | 0♉46'12 | 11♍23 | 7°44 | 9°13 | 7°54 | 25° 5 | 24°42 | 15°49 | 27°11 | 27°39 | 3°49 | 2°35 | 6°36 | 4°51 | W16 |
| T 17 | 14 0 34 | 1°44'09 | 24° 4 | 9°16 | 8°58 | 8°37 | 25° 0 | 24°48 | 15°47 | 27°10 | 27°38 | 3°50 | 2°31 | 6°42 | 4°50 | T 17 |
| F 18 | 14 4 31 | 2°42'05 | 6♎32 | 10°51 | 8°46 | 9°19 | 24°55 | 24°54 | 15°44 | 27° 8 | 27°38 | 3°R50 | 2°28 | 6°49 | 4°49 | F 18 |
| S 19 | 14 8 28 | 3°39'59 | 18°51 | 12°27 | 8°36 | 10° 2 | 24°50 | 24°59 | 15°42 | 27° 7 | 27°38 | 3°49 | 2°25 | 6°56 | 4°48 | S 19 |
| S 20 | 14 12 24 | 4°37'52 | 1♏ 0 | 14° 6 | 8°28 | 10°45 | 24°46 | 25° 5 | 15°40 | 27° 5 | 27°37 | 3°47 | 2°22 | 7° 3 | 4°47 | S 20 |
| M21 | 14 16 21 | 5°35'43 | 13° 3 | 15°46 | 8°23 | 11°27 | 24°41 | 25°11 | 15°37 | 27° 3 | 27°37 | 3°43 | 2°19 | 7° 9 | 4°46 | M21 |
| T 22 | 14 20 17 | 6°33'32 | 25° 0 | 17°29 | 8°20 | 12° 9 | 24°37 | 25°17 | 15°35 | 27° 2 | 27°36 | 3°38 | 2°16 | 7°16 | 4°45 | T 22 |
| W23 | 14 24 14 | 7°31'21 | 6♐53 | 19°13 | 8°D20 | 12°52 | 24°33 | 25°23 | 15°32 | 27° 0 | 27°36 | 3°32 | 2°12 | 7°23 | 4°44 | W23 |
| T 24 | 14 28 10 | 8°29'07 | 18°45 | 21° 0 | 8°22 | 13°34 | 24°29 | 25°29 | 15°30 | 26°59 | 27°36 | 3°25 | 2° 9 | 7°29 | 4°42 | T 24 |
| F 25 | 14 32 7 | 9°26'53 | 0♑38 | 22°49 | 8°26 | 14°17 | 24°25 | 25°36 | 15°27 | 26°57 | 27°35 | 3°20 | 2° 6 | 7°36 | 4°41 | F 25 |
| S 26 | 14 36 3 | 10°24'37 | 12°34 | 24°39 | 8°33 | 14°59 | 24°22 | 25°42 | 15°25 | 26°55 | 27°35 | 3°15 | 2° 3 | 7°43 | 4°39 | S 26 |
| S 27 | 14 40 0 | 11°22'20 | 24°39 | 26°32 | 8°41 | 15°41 | 24°18 | 25°48 | 15°22 | 26°54 | 27°35 | 3°12 | 2° 0 | 7°49 | 4°38 | S 27 |
| M28 | 14 43 56 | 12°20'02 | 6♒55 | 28°26 | 8°52 | 16°23 | 24°15 | 25°54 | 15°20 | 26°52 | 27°35 | 3°D11 | 1°57 | 7°56 | 4°36 | M28 |
| T 29 | 14 47 53 | 13°17'43 | 19°27 | 0♉23 | 9° 5 | 17° 5 | 24°12 | 26° 1 | 15°17 | 26°51 | 27°35 | 3°11 | 1°53 | 8° 3 | 4°35 | T 29 |
| W30 | 14 51 50 | 14♉15'22 | 2♓19 | 2♉21 | 9♈20 | 17♉47 | 24♍ 9 | 26♊ 7 | 15♏15 | 26♎49 | 27♌34 | 3♎12 | 1♎50 | 8♐10 | 4♑33 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n25 | 13s29 | 4n12 | 6s25 | 2s15 | 12n47 | 6n42 | 10n23 | 0s 8 | 2n52 | 1n39 | 22n46 | 0s39 | 16s31 | 0n20 | 8s53 | 1n55 | 25n28 | 14n 7 | 1s34 | 1s21 | 16s47 | 18s 6 | 5n23 |
| W 2 | 6 47 | 10 22 | 3 23 | 6 9 | 2 21 | 12 24 | 6 32 | 10 39 | 0 8 | 2 55 | 1 39 | 22 46 | 0 38 | 16 30 | 0 20 | 8 52 | 1 55 | 25 28 | 14 7 | 1 34 | 1 20 | 16 48 | 18 6 | 5 23 |
| T 3 | 7 10 | 6 38 | 2 22 | 5 50 | 2 27 | 12 0 | 6 23 | 10 55 | 0 7 | 2 57 | 1 39 | 22 47 | 0 38 | 16 30 | 0 20 | 8 52 | 1 55 | 25 28 | 14 6 | 1 34 | 1 18 | 16 48 | 18 5 | 5 24 |
| F 4 | 7 32 | 2 26 | 1 10 | 5 29 | 2 31 | 11 36 | 6 12 | 11 11 | 0 6 | 3 0 | 1 39 | 22 47 | 0 38 | 16 29 | 0 20 | 8 51 | 1 55 | 25 28 | 14 6 | 1 35 | 1 17 | 16 49 | 18 5 | 5 24 |
| S 5 | 7 54 | 2n 1 | 0s 8 | 5 7 | 2 36 | 11 11 | 6 1 | 11 27 | 0 6 | 3 3 | 1 39 | 22 47 | 0 38 | 16 28 | 0 20 | 8 50 | 1 55 | 25 28 | 14 6 | 1 35 | 1 16 | 16 50 | 18 4 | 5 25 |
| S 6 | 8 16 | 6 28 | 1 27 | 4 44 | 2 39 | 10 46 | 5 49 | 11 43 | 0 5 | 3 5 | 1 38 | 22 48 | 0 38 | 16 28 | 0 20 | 8 50 | 1 55 | 25 28 | 14 6 | 1 35 | 1 15 | 16 51 | 18 4 | 5 25 |
| M 7 | 8 38 | 10 36 | 2 41 | 4 18 | 2 42 | 10 21 | 5 37 | 11 59 | 0 4 | 3 7 | 1 38 | 22 48 | 0 38 | 16 27 | 0 20 | 8 49 | 1 56 | 25 28 | 14 5 | 1 34 | 1 13 | 16 51 | 18 3 | 5 26 |
| T 8 | 9 0 | 14 5 | 3 46 | 3 51 | 2 45 | 9 57 | 5 24 | 12 14 | 0 4 | 3 10 | 1 38 | 22 48 | 0 38 | 16 26 | 0 20 | 8 49 | 1 56 | 25 28 | 14 5 | 1 33 | 1 12 | 16 52 | 18 2 | 5 26 |
| W 9 | 9 21 | 16 38 | 4 34 | 3 23 | 2 47 | 9 32 | 5 11 | 12 30 | 0 3 | 3 12 | 1 38 | 22 49 | 0 37 | 16 26 | 0 20 | 8 48 | 1 56 | 25 28 | 14 5 | 1 32 | 1 11 | 16 53 | 18 2 | 5 27 |
| T 10 | 9 43 | 18 4 | 5 5 | 2 53 | 2 48 | 9 8 | 4 58 | 12 45 | 0 3 | 3 14 | 1 38 | 22 49 | 0 37 | 16 25 | 0 20 | 8 47 | 1 56 | 25 28 | 14 4 | 1 31 | 1 9 | 16 54 | 18 1 | 5 28 |
| F 11 | 10 4 | 18 16 | 5 15 | 2 22 | 2 49 | 8 44 | 4 44 | 13 0 | 0 2 | 3 16 | 1 38 | 22 50 | 0 37 | 16 24 | 0 20 | 8 47 | 1 56 | 25 28 | 14 4 | 1 30 | 1 8 | 16 54 | 18 1 | 5 28 |
| S 12 | 10 25 | 17 19 | 5 5 | 1 49 | 2 49 | 8 21 | 4 30 | 13 15 | 0 1 | 3 19 | 1 37 | 22 50 | 0 37 | 16 24 | 0 20 | 8 46 | 1 56 | 25 28 | 14 4 | 1 30 | 1 7 | 16 55 | 18 0 | 5 29 |
| S 13 | 10 46 | 15 22 | 4 38 | 1 15 | 2 48 | 7 59 | 4 16 | 13 30 | 0 1 | 3 21 | 1 37 | 22 50 | 0 37 | 16 23 | 0 20 | 8 46 | 1 56 | 25 28 | 14 3 | 1 30 | 1 6 | 16 56 | 18 0 | 5 29 |
| M14 | 11 7 | 12 35 | 3 56 | 0 39 | 2 47 | 7 37 | 4 2 | 13 45 | 0 0 | 3 23 | 1 37 | 22 51 | 0 37 | 16 22 | 0 20 | 8 45 | 1 56 | 25 28 | 14 3 | 1 30 | 1 4 | 16 57 | 17 59 | 5 30 |
| T 15 | 11 28 | 9 14 | 3 2 | 0 2 | 2 45 | 7 16 | 3 48 | 14 0 | 0n 1 | 3 25 | 1 37 | 22 51 | 0 37 | 16 22 | 0 20 | 8 45 | 1 56 | 25 28 | 14 3 | 1 31 | 1 3 | 16 57 | 17 59 | 5 30 |
| W16 | 11 48 | 5 29 | 2 0 | 0n35 | 2 43 | 6 56 | 3 34 | 14 14 | 0 1 | 3 27 | 1 37 | 22 51 | 0 36 | 16 21 | 0 20 | 8 44 | 1 56 | 25 28 | 14 2 | 1 31 | 1 2 | 16 58 | 17 58 | 5 31 |
| T 17 | 12 8 | 1 33 | 0 53 | 1 15 | 2 40 | 6 38 | 3 19 | 14 29 | 0 2 | 3 28 | 1 37 | 22 52 | 0 36 | 16 20 | 0 20 | 8 43 | 1 56 | 25 28 | 14 2 | 1 32 | 1 1 | 16 59 | 17 58 | 5 31 |
| F 18 | 12 29 | 2s23 | 0n15 | 1 55 | 2 37 | 6 20 | 3 5 | 14 43 | 0 3 | 3 30 | 1 36 | 22 52 | 0 36 | 16 20 | 0 20 | 8 43 | 1 56 | 25 28 | 14 2 | 1 32 | 0 59 | 16 59 | 17 57 | 5 32 |
| S 19 | 12 48 | 6 10 | 1 21 | 2 36 | 2 33 | 6 3 | 2 52 | 14 57 | 0 3 | 3 32 | 1 36 | 22 52 | 0 36 | 16 19 | 0 20 | 8 42 | 1 56 | 25 27 | 14 1 | 1 32 | 0 58 | 17 0 | 17 57 | 5 32 |
| S 20 | 13 8 | 9 39 | 2 23 | 3 19 | 2 28 | 5 47 | 2 38 | 15 11 | 0 4 | 3 33 | 1 36 | 22 53 | 0 36 | 16 18 | 0 20 | 8 42 | 1 56 | 25 27 | 14 1 | 1 31 | 0 57 | 17 1 | 17 57 | 5 33 |
| M21 | 13 28 | 12 42 | 3 18 | 4 2 | 2 23 | 5 33 | 2 24 | 15 25 | 0 4 | 3 35 | 1 36 | 22 53 | 0 36 | 16 18 | 0 20 | 8 41 | 1 56 | 25 27 | 14 1 | 1 29 | 0 55 | 17 2 | 17 56 | 5 33 |
| T 22 | 13 47 | 15 11 | 4 4 | 4 47 | 2 17 | 5 20 | 2 11 | 15 39 | 0 5 | 3 37 | 1 36 | 22 54 | 0 36 | 16 17 | 0 20 | 8 40 | 1 55 | 25 27 | 14 0 | 1 27 | 0 54 | 17 2 | 17 56 | 5 34 |
| W23 | 14 6 | 17 0 | 4 38 | 5 32 | 2 11 | 5 7 | 1 58 | 15 52 | 0 6 | 3 38 | 1 35 | 22 54 | 0 35 | 16 16 | 0 20 | 8 40 | 1 55 | 25 27 | 14 0 | 1 25 | 0 53 | 17 3 | 17 55 | 5 34 |
| T 24 | 14 25 | 18 6 | 5 1 | 6 19 | 2 5 | 4 56 | 1 45 | 16 6 | 0 6 | 3 39 | 1 35 | 22 54 | 0 35 | 16 15 | 0 20 | 8 39 | 1 55 | 25 27 | 14 0 | 1 22 | 0 52 | 17 4 | 17 55 | 5 35 |
| F 25 | 14 43 | 18 24 | 5 10 | 7 6 | 1 58 | 4 47 | 1 32 | 16 19 | 0 7 | 3 41 | 1 35 | 22 55 | 0 35 | 16 15 | 0 20 | 8 39 | 1 55 | 25 26 | 13 59 | 1 20 | 0 50 | 17 4 | 17 54 | 5 35 |
| S 26 | 15 1 | 17 53 | 5 7 | 7 54 | 1 50 | 4 38 | 1 20 | 16 32 | 0 7 | 3 42 | 1 35 | 22 55 | 0 35 | 16 14 | 0 20 | 8 38 | 1 55 | 25 26 | 13 59 | 1 18 | 0 49 | 17 5 | 17 54 | 5 36 |
| S 27 | 15 19 | 16 34 | 4 49 | 8 42 | 1 42 | 4 30 | 1 8 | 16 45 | 0 8 | 3 43 | 1 34 | 22 55 | 0 35 | 16 13 | 0 20 | 8 38 | 1 55 | 25 26 | 13 59 | 1 17 | 0 48 | 17 6 | 17 53 | 5 36 |
| M28 | 15 37 | 14 28 | 4 19 | 9 31 | 1 34 | 4 24 | 0 56 | 16 58 | 0 9 | 3 44 | 1 34 | 22 56 | 0 35 | 16 13 | 0 20 | 8 37 | 1 55 | 25 26 | 13 58 | 1 16 | 0 47 | 17 7 | 17 53 | 5 36 |
| T 29 | 15 55 | 11 40 | 3 35 | 10 21 | 1 25 | 4 19 | 0 45 | 17 11 | 0 9 | 3 45 | 1 34 | 22 56 | 0 35 | 16 12 | 0 20 | 8 37 | 1 55 | 25 25 | 13 58 | 1 16 | 0 45 | 17 7 | 17 53 | 5 37 |
| W30 | 16n12 | 8s13 | 2n40 | 11n10 | 1s16 | 4n14 | 0n34 | 17n23 | 0n10 | 3n46 | 1n34 | 22n56 | 0s35 | 16s11 | 0n20 | 8s36 | 1n55 | 25n25 | 13n58 | 1s17 | 0s44 | 17s 8 | 17s52 | 5n37 |

Julian Day Number = 2076536.5, Delta T = 26m41s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'50, Lahiri = 9°32'50 Julian Calendar 1 Apr. 973 == Greg. Calendar 6 Apr. 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## MAY 973 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 55 46 | 15♉13'01 | 15♓36 | 4♉22 | 9♈37 | 18♉29 | 24°R 6 | 26♊14 | 15°R12 | 26°R48 | 27°R34 | 3♎13 | 1♎47 | 8♐16 | 4°R31 | T 1 |
| F 2 | 14 59 43 | 16°10'38 | 29°19 | 6°24 | 9°56 | 19°11 | 24♍ 4 | 26°20 | 15♏10 | 26♎46 | 27♎34 | 3°R14 | 1°44 | 8°23 | 4♑29 | F 2 |
| S 3 | 15 3 39 | 17° 8'15 | 13♈30 | 8°28 | 10°17 | 19°53 | 24° 1 | 26°27 | 15° 7 | 26°45 | 27°34 | 3°14 | 1°41 | 8°30 | 4°27 | S 3 |
| S 4 | 15 7 36 | 18° 5'50 | 28° 7 | 10°33 | 10°39 | 20°35 | 23°59 | 26°34 | 15° 5 | 26°43 | 27°D34 | 3°11 | 1°37 | 8°36 | 4°25 | S 4 |
| M 5 | 15 11 32 | 19° 3'25 | 13♉ 5 | 12°40 | 11° 3 | 21°17 | 23°57 | 26°40 | 15° 2 | 26°42 | 27°34 | 3° 7 | 1°34 | 8°43 | 4°23 | M 5 |
| T 6 | 15 15 29 | 20° 0'58 | 28°15 | 14°49 | 11°29 | 21°59 | 23°55 | 26°47 | 15° 0 | 26°40 | 27°34 | 3° 1 | 1°31 | 8°50 | 4°21 | T 6 |
| W 7 | 15 19 25 | 20°58'30 | 13♊27 | 16°58 | 11°57 | 22°40 | 23°53 | 26°54 | 14°57 | 26°39 | 27°34 | 2°54 | 1°28 | 8°57 | 4°19 | W 7 |
| T 8 | 15 23 22 | 21°56'01 | 28°32 | 19° 9 | 12°25 | 23°22 | 23°52 | 27° 1 | 14°55 | 26°37 | 27°35 | 2°47 | 1°25 | 9° 3 | 4°16 | T 8 |
| F 9 | 15 27 19 | 22°53'31 | 13♋20 | 21°20 | 12°56 | 24° 4 | 23°51 | 27° 8 | 14°52 | 26°36 | 27°35 | 2°41 | 1°22 | 9°10 | 4°14 | F 9 |
| S 10 | 15 31 15 | 23°50'59 | 27°45 | 23°32 | 13°27 | 24°45 | 23°49 | 27°15 | 14°50 | 26°34 | 27°35 | 2°36 | 1°18 | 9°17 | 4°12 | S 10 |
| S 11 | 15 35 12 | 24°48'26 | 11♌43 | 25°44 | 14° 1 | 25°27 | 23°48 | 27°22 | 14°48 | 26°33 | 27°35 | 2°34 | 1°15 | 9°23 | 4° 9 | S 11 |
| M12 | 15 39 8 | 25°45'52 | 25°15 | 27°56 | 14°35 | 26° 8 | 23°48 | 27°29 | 14°45 | 26°32 | 27°35 | 2°D33 | 1°12 | 9°30 | 4° 7 | M12 |
| T 13 | 15 43 5 | 26°43'16 | 8♍23 | 0♊ 7 | 15°11 | 26°50 | 23°47 | 27°36 | 14°43 | 26°30 | 27°36 | 2°33 | 1° 9 | 9°37 | 4° 4 | T 13 |
| W14 | 15 47 1 | 27°40'39 | 21° 9 | 2°18 | 15°47 | 27°31 | 23°47 | 27°43 | 14°40 | 26°29 | 27°36 | 2°34 | 1° 6 | 9°44 | 4° 1 | W14 |
| T 15 | 15 50 58 | 28°38'01 | 3♎38 | 4°28 | 16°25 | 28°13 | 23°46 | 27°50 | 14°38 | 26°28 | 27°36 | 2°R35 | 1° 3 | 9°50 | 3°59 | T 15 |
| F 16 | 15 54 54 | 29°35'21 | 15°54 | 6°37 | 17° 4 | 28°54 | 23°D46 | 27°57 | 14°35 | 26°26 | 27°37 | 2°34 | 0°59 | 9°57 | 3°56 | F 16 |
| S 17 | 15 58 51 | 0♊32'41 | 28° 1 | 8°45 | 17°45 | 29°35 | 23°46 | 28° 4 | 14°33 | 26°25 | 27°37 | 2°31 | 0°56 | 10° 4 | 3°53 | S 17 |
| S 18 | 16 2 48 | 1°30'00 | 10♏ 0 | 10°51 | 18°26 | 0♊16 | 23°47 | 28°12 | 14°31 | 26°24 | 27°37 | 2°25 | 0°53 | 10°10 | 3°50 | S 18 |
| M19 | 16 6 44 | 2°27'17 | 21°56 | 12°55 | 19° 8 | 0°57 | 23°47 | 28°19 | 14°28 | 26°22 | 27°38 | 2°17 | 0°50 | 10°17 | 3°47 | M19 |
| T 20 | 16 10 41 | 3°24'34 | 3♐48 | 14°57 | 19°51 | 1°39 | 23°48 | 28°26 | 14°26 | 26°21 | 27°38 | 2° 7 | 0°47 | 10°24 | 3°44 | T 20 |
| W21 | 16 14 37 | 4°21'51 | 15°41 | 16°58 | 20°35 | 2°20 | 23°49 | 28°34 | 14°24 | 26°20 | 27°39 | 1°56 | 0°43 | 10°31 | 3°41 | W21 |
| T 22 | 16 18 34 | 5°19'06 | 27°34 | 18°56 | 21°20 | 3° 1 | 23°50 | 28°41 | 14°22 | 26°19 | 27°40 | 1°44 | 0°40 | 10°37 | 3°38 | T 22 |
| F 23 | 16 22 30 | 6°16'22 | 9♑29 | 20°53 | 22° 6 | 3°42 | 23°51 | 28°48 | 14°19 | 26°18 | 27°40 | 1°33 | 0°37 | 10°44 | 3°35 | F 23 |
| S 24 | 16 26 27 | 7°13'36 | 21°29 | 22°47 | 22°53 | 4°23 | 23°52 | 28°56 | 14°17 | 26°16 | 27°41 | 1°24 | 0°34 | 10°51 | 3°32 | S 24 |
| S 25 | 16 30 23 | 8°10'50 | 3♒36 | 24°38 | 23°40 | 5° 4 | 23°54 | 29° 3 | 14°15 | 26°15 | 27°41 | 1°17 | 0°31 | 10°57 | 3°29 | S 25 |
| M26 | 16 34 20 | 9° 8'04 | 15°53 | 26°28 | 24°28 | 5°44 | 23°55 | 29°11 | 14°13 | 26°14 | 27°42 | 1°12 | 0°28 | 11° 4 | 3°26 | M26 |
| T 27 | 16 38 17 | 10° 5'17 | 28°24 | 28°15 | 25°17 | 6°25 | 23°57 | 29°18 | 14°10 | 26°13 | 27°43 | 1° 9 | 0°24 | 11°11 | 3°22 | T 27 |
| W28 | 16 42 13 | 11° 2'31 | 11♓13 | 29°59 | 26° 7 | 7° 6 | 23°59 | 29°26 | 14° 8 | 26°12 | 27°43 | 1°D 9 | 0°21 | 11°18 | 3°19 | W28 |
| T 29 | 16 46 10 | 11°59'43 | 24°23 | 1♋42 | 26°57 | 7°47 | 24° 2 | 29°33 | 14° 6 | 26°11 | 27°44 | 1°R 9 | 0°18 | 11°24 | 3°16 | T 29 |
| F 30 | 16 50 6 | 12°56'56 | 8♈ 0 | 3°22 | 27°48 | 8°27 | 24° 4 | 29°41 | 14° 4 | 26°10 | 27°45 | 1° 9 | 0°15 | 11°31 | 3°12 | F 30 |
| S 31 | 16 54 3 | 13♊54'09 | 22♈ 3 | 4♋59 | 28♈40 | 9♊ 8 | 24♍ 7 | 29♊49 | 14♏ 2 | 26♎ 9 | 27♎46 | 1♎ 8 | 0♎12 | 11♐38 | 3♑ 9 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n29 | 4s16 | 1n34 | 12n 1 | 1s 6 | 4n11 | 0n23 | 17n35 | 0n11 | 3n47 | 1n33 | 22n57 | 0s34 | 16s10 | 0n20 | 8s36 | 1n55 | 25n25 | 13n57 | 1s17 | 0s43 | 17s 9 | 17s52 | 5n38 |
| F 2 | 16 46 | 0n 3 | 0 21 | 12 51 | 0 56 | 4 9 | 0 13 | 17 48 | 0 11 | 3 48 | 1 33 | 22 57 | 0 34 | 16 10 | 0 20 | 8 35 | 1 55 | 25 24 | 13 57 | 1 18 | 0 42 | 17 9 | 17 51 | 5 38 |
| S 3 | 17 3 | 4 31 | 0s55 | 13 41 | 0 46 | 4 8 | 0 3 | 18 0 | 0 12 | 3 49 | 1 33 | 22 57 | 0 34 | 16 9 | 0 19 | 8 34 | 1 55 | 25 24 | 13 57 | 1 17 | 0 40 | 17 10 | 17 51 | 5 39 |
| S 4 | 17 19 | 8 50 | 2 10 | 14 30 | 0 36 | 4 8 | 0s 7 | 18 12 | 0 12 | 3 49 | 1 33 | 22 57 | 0 34 | 16 8 | 0 19 | 8 34 | 1 55 | 25 24 | 13 56 | 1 16 | 0 39 | 17 11 | 17 51 | 5 39 |
| M 5 | 17 35 | 12 42 | 3 18 | 15 20 | 0 25 | 4 9 | 0 17 | 18 23 | 0 13 | 3 50 | 1 32 | 22 58 | 0 34 | 16 8 | 0 19 | 8 33 | 1 55 | 25 23 | 13 56 | 1 15 | 0 38 | 17 11 | 17 50 | 5 40 |
| T 6 | 17 50 | 15 46 | 4 13 | 16 8 | 0 15 | 4 10 | 0 26 | 18 35 | 0 14 | 3 50 | 1 32 | 22 58 | 0 34 | 16 7 | 0 19 | 8 33 | 1 55 | 25 23 | 13 55 | 1 12 | 0 36 | 17 12 | 17 50 | 5 40 |
| W 7 | 18 6 | 17 44 | 4 50 | 16 56 | 0 4 | 4 13 | 0 35 | 18 46 | 0 14 | 3 51 | 1 32 | 22 58 | 0 34 | 16 6 | 0 19 | 8 32 | 1 55 | 25 23 | 13 55 | 1 10 | 0 35 | 17 13 | 17 50 | 5 40 |
| T 8 | 18 21 | 18 27 | 5 7 | 17 43 | 0n 7 | 4 16 | 0 43 | 18 57 | 0 15 | 3 51 | 1 32 | 22 59 | 0 34 | 16 5 | 0 19 | 8 32 | 1 55 | 25 22 | 13 55 | 1 7 | 0 34 | 17 13 | 17 49 | 5 41 |
| F 9 | 18 36 | 17 53 | 5 2 | 18 28 | 0 17 | 4 21 | 0 51 | 19 8 | 0 15 | 3 51 | 1 31 | 22 59 | 0 33 | 16 5 | 0 19 | 8 31 | 1 55 | 25 22 | 13 54 | 1 4 | 0 33 | 17 14 | 17 49 | 5 41 |
| S 10 | 18 50 | 16 10 | 4 39 | 19 12 | 0 28 | 4 26 | 0 59 | 19 19 | 0 16 | 3 52 | 1 31 | 22 59 | 0 33 | 16 4 | 0 19 | 8 31 | 1 55 | 25 22 | 13 54 | 1 3 | 0 31 | 17 15 | 17 49 | 5 42 |
| S 11 | 19 4 | 13 32 | 3 59 | 19 54 | 0 38 | 4 32 | 1 7 | 19 30 | 0 17 | 3 52 | 1 31 | 22 59 | 0 33 | 16 3 | 0 19 | 8 30 | 1 55 | 25 21 | 13 54 | 1 1 | 0 30 | 17 15 | 17 48 | 5 42 |
| M12 | 19 18 | 10 15 | 3 7 | 20 35 | 0 47 | 4 38 | 1 14 | 19 40 | 0 17 | 3 52 | 1 31 | 23 0 | 0 33 | 16 3 | 0 19 | 8 30 | 1 55 | 25 21 | 13 53 | 1 1 | 0 29 | 17 16 | 17 48 | 5 43 |
| T 13 | 19 32 | 6 31 | 2 6 | 21 13 | 0 57 | 4 46 | 1 21 | 19 50 | 0 18 | 3 52 | 1 30 | 23 0 | 0 33 | 16 2 | 0 19 | 8 30 | 1 55 | 25 20 | 13 53 | 1 1 | 0 28 | 17 17 | 17 48 | 5 43 |
| W14 | 19 45 | 2 36 | 1 1 | 21 48 | 1 6 | 4 54 | 1 28 | 20 1 | 0 18 | 3 52 | 1 30 | 23 0 | 0 33 | 16 1 | 0 19 | 8 29 | 1 55 | 25 20 | 13 53 | 1 2 | 0 26 | 17 17 | 17 47 | 5 43 |
| T 15 | 19 58 | 1s22 | 0n 6 | 22 22 | 1 14 | 5 2 | 1 35 | 20 11 | 0 19 | 3 52 | 1 30 | 23 0 | 0 33 | 16 0 | 0 19 | 8 29 | 1 55 | 25 19 | 13 52 | 1 2 | 0 25 | 17 18 | 17 47 | 5 44 |
| F 16 | 20 10 | 5 12 | 1 11 | 22 53 | 1 22 | 5 12 | 1 41 | 20 20 | 0 19 | 3 51 | 1 30 | 23 1 | 0 33 | 16 0 | 0 19 | 8 28 | 1 55 | 25 19 | 13 52 | 1 2 | 0 24 | 17 19 | 17 47 | 5 44 |
| S 17 | 20 23 | 8 46 | 2 12 | 23 21 | 1 29 | 5 21 | 1 47 | 20 30 | 0 20 | 3 51 | 1 29 | 23 1 | 0 33 | 15 59 | 0 19 | 8 28 | 1 55 | 25 18 | 13 51 | 1 0 | 0 22 | 17 19 | 17 46 | 5 44 |
| S 18 | 20 34 | 11 57 | 3 6 | 23 47 | 1 36 | 5 32 | 1 52 | 20 39 | 0 21 | 3 51 | 1 29 | 23 1 | 0 32 | 15 58 | 0 19 | 8 27 | 1 55 | 25 18 | 13 51 | 0 58 | 0 21 | 17 20 | 17 46 | 5 45 |
| M19 | 20 46 | 14 37 | 3 52 | 24 9 | 1 42 | 5 43 | 1 58 | 20 48 | 0 21 | 3 50 | 1 29 | 23 1 | 0 32 | 15 58 | 0 19 | 8 27 | 1 55 | 25 17 | 13 51 | 0 55 | 0 20 | 17 21 | 17 46 | 5 45 |
| T 20 | 20 57 | 16 39 | 4 27 | 24 30 | 1 47 | 5 55 | 2 3 | 20 57 | 0 22 | 3 50 | 1 29 | 23 1 | 0 32 | 15 57 | 0 19 | 8 26 | 1 55 | 25 17 | 13 50 | 0 51 | 0 19 | 17 21 | 17 46 | 5 45 |
| W21 | 21 8 | 17 58 | 4 51 | 24 47 | 1 52 | 6 7 | 2 8 | 21 6 | 0 22 | 3 49 | 1 28 | 23 2 | 0 32 | 15 56 | 0 19 | 8 26 | 1 55 | 25 16 | 13 50 | 0 46 | 0 17 | 17 22 | 17 45 | 5 46 |
| T 22 | 21 18 | 18 31 | 5 2 | 25 2 | 1 56 | 6 19 | 2 12 | 21 15 | 0 23 | 3 49 | 1 28 | 23 2 | 0 32 | 15 56 | 0 19 | 8 26 | 1 55 | 25 16 | 13 50 | 0 42 | 0 16 | 17 22 | 17 45 | 5 46 |
| F 23 | 21 28 | 18 14 | 5 0 | 25 14 | 1 59 | 6 32 | 2 17 | 21 23 | 0 23 | 3 48 | 1 28 | 23 2 | 0 32 | 15 55 | 0 19 | 8 25 | 1 55 | 25 15 | 13 49 | 0 37 | 0 15 | 17 23 | 17 45 | 5 46 |
| S 24 | 21 38 | 17 9 | 4 45 | 25 23 | 2 1 | 6 46 | 2 21 | 21 32 | 0 24 | 3 47 | 1 28 | 23 2 | 0 32 | 15 54 | 0 19 | 8 25 | 1 55 | 25 15 | 13 49 | 0 34 | 0 14 | 17 24 | 17 45 | 5 47 |
| S 25 | 21 47 | 15 18 | 4 17 | 25 30 | 2 3 | 6 59 | 2 25 | 21 40 | 0 25 | 3 46 | 1 27 | 23 2 | 0 32 | 15 54 | 0 19 | 8 25 | 1 55 | 25 14 | 13 49 | 0 31 | 0 12 | 17 24 | 17 44 | 5 47 |
| M26 | 21 56 | 12 43 | 3 36 | 25 35 | 2 4 | 7 14 | 2 29 | 21 48 | 0 25 | 3 45 | 1 27 | 23 2 | 0 32 | 15 53 | 0 19 | 8 24 | 1 55 | 25 14 | 13 48 | 0 29 | 0 11 | 17 25 | 17 44 | 5 47 |
| T 27 | 22 5 | 9 31 | 2 45 | 25 37 | 2 4 | 7 28 | 2 32 | 21 55 | 0 26 | 3 44 | 1 27 | 23 3 | 0 31 | 15 52 | 0 19 | 8 24 | 1 55 | 25 13 | 13 48 | 0 28 | 0 10 | 17 26 | 17 44 | 5 48 |
| W28 | 22 13 | 5 48 | 1 44 | 25 37 | 2 3 | 7 43 | 2 36 | 22 3 | 0 26 | 3 43 | 1 26 | 23 3 | 0 31 | 15 52 | 0 19 | 8 24 | 1 54 | 25 12 | 13 48 | 0 28 | 0 8 | 17 26 | 17 44 | 5 48 |
| T 29 | 22 21 | 1 42 | 0 36 | 25 35 | 2 2 | 7 58 | 2 39 | 22 10 | 0 27 | 3 42 | 1 26 | 23 3 | 0 31 | 15 51 | 0 19 | 8 23 | 1 54 | 25 12 | 13 47 | 0 28 | 0 7 | 17 27 | 17 44 | 5 48 |
| F 30 | 22 29 | 2n38 | 0s36 | 25 31 | 2 0 | 8 14 | 2 42 | 22 17 | 0 27 | 3 41 | 1 26 | 23 3 | 0 31 | 15 51 | 0 19 | 8 23 | 1 54 | 25 11 | 13 47 | 0 28 | 0 6 | 17 27 | 17 43 | 5 48 |
| S 31 | 22n36 | 6n57 | 1s49 | 25n26 | 1n57 | 8n30 | 2s44 | 22n24 | 0n28 | 3n40 | 1n26 | 23n 3 | 0s31 | 15s50 | 0n19 | 8s23 | 1n54 | 25n11 | 13n47 | 0s27 | 0s 5 | 17s28 | 17s43 | 5n49 |

Julian Day Number = 2076566.5, Delta T = 26m40s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'54, Lahiri = 9°32'54 Julian Calendar 1 May 973 == Greg. Calendar 6 May 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## JUNE 973 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 57 59 | 14♊51'21 | 6♉34 | 6♋34 | 29♈32 | 9♊49 | 24♍ 9 | 29♊56 | 14°R 0 | 26°R 8 | 27♑47 | 1°R 4 | 0♎ 8 | 11♐44 | 3°R 5 | S 1 |
| M 2 | 17 1 56 | 15°48'34 | 21°29 | 8° 7 | 0♉25 | 10°29 | 24°12 | 0♋ 4 | 13♏58 | 26♎ 7 | 27°47 | 0♎58 | 0° 5 | 11°51 | 3♑ 2 | M 2 |
| T 3 | 17 5 52 | 16°45'46 | 6♊40 | 9°37 | 1°18 | 11°10 | 24°15 | 0°11 | 13°56 | 26° 6 | 27°48 | 0°49 | 0° 2 | 11°58 | 2°58 | T 3 |
| W 4 | 17 9 49 | 17°42'58 | 21°59 | 11° 5 | 2°12 | 11°50 | 24°19 | 0°19 | 13°54 | 26° 5 | 27°49 | 0°39 | 29♍59 | 12° 5 | 2°55 | W 4 |
| T 5 | 17 13 46 | 18°40'10 | 7♋13 | 12°30 | 3° 7 | 12°31 | 24°22 | 0°27 | 13°52 | 26° 5 | 27°50 | 0°29 | 29°56 | 12°11 | 2°51 | T 5 |
| F 6 | 17 17 42 | 19°37'21 | 22°12 | 13°52 | 4° 2 | 13°11 | 24°26 | 0°35 | 13°50 | 26° 4 | 27°51 | 0°19 | 29°53 | 12°18 | 2°48 | F 6 |
| S 7 | 17 21 39 | 20°34'32 | 6♌47 | 15°12 | 4°57 | 13°52 | 24°29 | 0°42 | 13°48 | 26° 3 | 27°52 | 0°12 | 29°49 | 12°25 | 2°44 | S 7 |
| S 8 | 17 25 35 | 21°31'43 | 20°54 | 16°30 | 5°53 | 14°32 | 24°33 | 0°50 | 13°47 | 26° 2 | 27°53 | 0° 6 | 29°46 | 12°31 | 2°41 | S 8 |
| M 9 | 17 29 32 | 22°28'53 | 4♍32 | 17°44 | 6°49 | 15°12 | 24°37 | 0°58 | 13°45 | 26° 2 | 27°54 | 0° 4 | 29°43 | 12°38 | 2°37 | M 9 |
| T 10 | 17 33 28 | 23°26'03 | 17°42 | 18°56 | 7°46 | 15°52 | 24°42 | 1° 6 | 13°43 | 26° 1 | 27°55 | 0° 3 | 29°40 | 12°45 | 2°33 | T 10 |
| W11 | 17 37 25 | 24°23'12 | 0♎27 | 20° 6 | 8°43 | 16°33 | 24°46 | 1°13 | 13°41 | 26° 0 | 27°57 | 0° 3 | 29°37 | 12°52 | 2°30 | W11 |
| T 12 | 17 41 22 | 25°20'22 | 12°53 | 21°12 | 9°41 | 17°13 | 24°51 | 1°21 | 13°40 | 25°59 | 27°58 | 0° 3 | 29°34 | 12°58 | 2°26 | T 12 |
| F 13 | 17 45 18 | 26°17'30 | 25° 4 | 22°15 | 10°39 | 17°53 | 24°55 | 1°29 | 13°38 | 25°59 | 27°59 | 0° 1 | 29°30 | 13° 5 | 2°22 | F 13 |
| S 14 | 17 49 15 | 27°14'39 | 7♏ 5 | 23°16 | 11°37 | 18°33 | 25° 0 | 1°37 | 13°37 | 25°58 | 28° 0 | 29♍57 | 29°27 | 13°12 | 2°19 | S 14 |
| S 15 | 17 53 11 | 28°11'48 | 18°59 | 24°13 | 12°36 | 19°13 | 25° 5 | 1°44 | 13°35 | 25°58 | 28° 1 | 29°50 | 29°24 | 13°19 | 2°15 | S 15 |
| M16 | 17 57 8 | 29° 8'56 | 0♐51 | 25° 7 | 13°35 | 19°53 | 25°10 | 1°52 | 13°34 | 25°57 | 28° 3 | 29°40 | 29°21 | 13°25 | 2°11 | M16 |
| T 17 | 18 1 4 | 0♋ 6'05 | 12°43 | 25°57 | 14°35 | 20°33 | 25°16 | 2° 0 | 13°32 | 25°57 | 28° 4 | 29°29 | 29°18 | 13°32 | 2° 7 | T 17 |
| W18 | 18 5 1 | 1° 3'13 | 24°36 | 26°45 | 15°35 | 21°13 | 25°21 | 2° 8 | 13°31 | 25°56 | 28° 5 | 29°15 | 29°14 | 13°39 | 2° 4 | W18 |
| T 19 | 18 8 57 | 2° 0'22 | 6♑33 | 27°28 | 16°35 | 21°53 | 25°27 | 2°16 | 13°29 | 25°56 | 28° 6 | 29° 2 | 29°11 | 13°45 | 2° 0 | T 19 |
| F 20 | 18 12 54 | 2°57'31 | 18°34 | 28° 8 | 17°35 | 22°33 | 25°32 | 2°23 | 13°28 | 25°55 | 28° 8 | 28°48 | 29° 8 | 13°52 | 1°56 | F 20 |
| S 21 | 18 16 51 | 3°54'41 | 0♒42 | 28°44 | 18°36 | 23°12 | 25°38 | 2°31 | 13°27 | 25°55 | 28° 9 | 28°37 | 29° 5 | 13°59 | 1°53 | S 21 |
| S 22 | 18 20 47 | 4°51'51 | 12°57 | 29°16 | 19°37 | 23°52 | 25°44 | 2°39 | 13°25 | 25°55 | 28°11 | 28°28 | 29° 2 | 14° 6 | 1°49 | S 22 |
| M23 | 18 24 44 | 5°49'01 | 25°21 | 29°44 | 20°39 | 24°32 | 25°50 | 2°47 | 13°24 | 25°54 | 28°12 | 28°22 | 28°59 | 14°12 | 1°45 | M23 |
| T 24 | 18 28 40 | 6°46'12 | 7♓57 | 0♌ 7 | 21°40 | 25°12 | 25°57 | 2°55 | 13°23 | 25°54 | 28°13 | 28°19 | 28°55 | 14°19 | 1°41 | T 24 |
| W25 | 18 32 37 | 7°43'23 | 20°49 | 0°26 | 22°42 | 25°51 | 26° 3 | 3° 2 | 13°22 | 25°54 | 28°15 | 28°18 | 28°52 | 14°26 | 1°38 | W25 |
| T 26 | 18 36 33 | 8°40'36 | 3♈58 | 0°41 | 23°45 | 26°31 | 26°10 | 3°10 | 13°21 | 25°53 | 28°16 | 28°17 | 28°49 | 14°32 | 1°34 | T 26 |
| F 27 | 18 40 30 | 9°37'49 | 17°29 | 0°50 | 24°47 | 27°10 | 26°17 | 3°18 | 13°20 | 25°53 | 28°18 | 28°17 | 28°46 | 14°39 | 1°30 | F 27 |
| S 28 | 18 44 26 | 10°35'02 | 1♉24 | 0°55 | 25°50 | 27°50 | 26°23 | 3°26 | 13°19 | 25°53 | 28°19 | 28°16 | 28°43 | 14°46 | 1°27 | S 28 |
| S 29 | 18 48 23 | 11°32'17 | 15°43 | 0°R55 | 26°53 | 28°29 | 26°30 | 3°34 | 13°18 | 25°53 | 28°21 | 28°13 | 28°40 | 14°53 | 1°23 | S 29 |
| M30 | 18 52 20 | 12♋29'32 | 0♊24 | 0♌51 | 27♉56 | 29♊ 9 | 26♍38 | 3♋41 | 13♏17 | 25♎53 | 28♑22 | 28♍ 7 | 28♍36 | 14♐59 | 1♑20 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n42 | 11n 1 | 2s56 | 25n18 | 1n54 | 8n46 | 2s47 | 22n31 | 0n28 | 3n38 | 1n25 | 23n 3 | 0s31 | 15s49 | 0n19 | 8s22 | 1n54 | 25n10 | 13n46 | 0s26 | 0s 3 | 17s29 | 17s43 | 5n49 |
| M 2 | 22 49 | 14 29 | 3 53 | 25 9 | 1 50 | 9 2 | 2 49 | 22 37 | 0 29 | 3 37 | 1 25 | 23 3 | 0 31 | 15 49 | 0 19 | 8 22 | 1 54 | 25 9 | 13 46 | 0 23 | 0 2 | 17 29 | 17 43 | 5 49 |
| T 3 | 22 54 | 17 1 | 4 35 | 24 58 | 1 45 | 9 19 | 2 51 | 22 44 | 0 30 | 3 35 | 1 25 | 23 3 | 0 31 | 15 48 | 0 19 | 8 22 | 1 54 | 25 9 | 13 46 | 0 20 | 0 1 | 17 30 | 17 43 | 5 49 |
| W 4 | 23 0 | 18 22 | 4 58 | 24 46 | 1 40 | 9 35 | 2 53 | 22 50 | 0 30 | 3 34 | 1 25 | 23 4 | 0 31 | 15 48 | 0 19 | 8 21 | 1 54 | 25 8 | 13 45 | 0 16 | 0n 0 | 17 30 | 17 43 | 5 50 |
| T 5 | 23 5 | 18 24 | 4 59 | 24 32 | 1 34 | 9 52 | 2 55 | 22 56 | 0 31 | 3 32 | 1 24 | 23 4 | 0 31 | 15 47 | 0 19 | 8 21 | 1 54 | 25 7 | 13 45 | 0 11 | 0 2 | 17 31 | 17 43 | 5 50 |
| F 6 | 23 10 | 17 8 | 4 40 | 24 18 | 1 28 | 10 9 | 2 57 | 23 1 | 0 31 | 3 31 | 1 24 | 23 4 | 0 30 | 15 47 | 0 19 | 8 21 | 1 54 | 25 7 | 13 45 | 0 8 | 0 3 | 17 32 | 17 42 | 5 50 |
| S 7 | 23 14 | 14 46 | 4 3 | 24 2 | 1 20 | 10 27 | 2 58 | 23 7 | 0 32 | 3 29 | 1 24 | 23 4 | 0 30 | 15 46 | 0 19 | 8 21 | 1 54 | 25 6 | 13 44 | 0 5 | 0 4 | 17 32 | 17 42 | 5 50 |
| S 8 | 23 18 | 11 35 | 3 11 | 23 45 | 1 13 | 10 44 | 3 0 | 23 12 | 0 32 | 3 27 | 1 24 | 23 4 | 0 30 | 15 46 | 0 19 | 8 20 | 1 54 | 25 5 | 13 44 | 0 3 | 0 5 | 17 33 | 17 42 | 5 50 |
| M 9 | 23 21 | 7 52 | 2 11 | 23 27 | 1 5 | 11 1 | 3 1 | 23 17 | 0 33 | 3 25 | 1 23 | 23 4 | 0 30 | 15 45 | 0 19 | 8 20 | 1 54 | 25 5 | 13 44 | 0 2 | 0 7 | 17 33 | 17 42 | 5 51 |
| T 10 | 23 24 | 3 54 | 1 5 | 23 9 | 0 56 | 11 19 | 3 2 | 23 22 | 0 33 | 3 23 | 1 23 | 23 4 | 0 30 | 15 45 | 0 19 | 8 20 | 1 54 | 25 4 | 13 43 | 0 1 | 0 8 | 17 34 | 17 42 | 5 51 |
| W11 | 23 27 | 0s 9 | 0n 2 | 22 49 | 0 46 | 11 36 | 3 2 | 23 27 | 0 34 | 3 21 | 1 23 | 23 4 | 0 30 | 15 44 | 0 19 | 8 20 | 1 54 | 25 3 | 13 43 | 0 1 | 0 9 | 17 34 | 17 42 | 5 51 |
| T 12 | 23 29 | 4 5 | 1 7 | 22 29 | 0 37 | 11 54 | 3 3 | 23 31 | 0 34 | 3 19 | 1 23 | 23 4 | 0 30 | 15 44 | 0 19 | 8 20 | 1 54 | 25 3 | 13 43 | 0 1 | 0 11 | 17 35 | 17 42 | 5 51 |
| F 13 | 23 31 | 7 46 | 2 8 | 22 9 | 0 26 | 12 12 | 3 3 | 23 36 | 0 35 | 3 17 | 1 22 | 23 4 | 0 30 | 15 43 | 0 19 | 8 19 | 1 54 | 25 2 | 13 42 | 0 0 | 0 12 | 17 36 | 17 42 | 5 51 |
| S 14 | 23 32 | 11 5 | 3 2 | 21 48 | 0 15 | 12 29 | 3 4 | 23 40 | 0 35 | 3 15 | 1 22 | 23 4 | 0 30 | 15 43 | 0 19 | 8 19 | 1 54 | 25 1 | 13 42 | 0n 1 | 0 13 | 17 36 | 17 42 | 5 51 |
| S 15 | 23 33 | 13 54 | 3 48 | 21 27 | 0 4 | 12 47 | 3 4 | 23 44 | 0 36 | 3 13 | 1 22 | 23 4 | 0 30 | 15 42 | 0 19 | 8 19 | 1 54 | 25 1 | 13 42 | 0 4 | 0 14 | 17 37 | 17 42 | 5 51 |
| M16 | 23 34 | 16 9 | 4 23 | 21 6 | 0s 8 | 13 5 | 3 4 | 23 47 | 0 37 | 3 11 | 1 22 | 23 4 | 0 29 | 15 42 | 0 19 | 8 19 | 1 54 | 25 0 | 13 41 | 0 8 | 0 16 | 17 37 | 17 42 | 5 52 |
| T 17 | 23 34 | 17 42 | 4 47 | 20 45 | 0 20 | 13 22 | 3 4 | 23 51 | 0 37 | 3 8 | 1 21 | 23 4 | 0 29 | 15 41 | 0 19 | 8 19 | 1 53 | 24 59 | 13 41 | 0 13 | 0 17 | 17 38 | 17 42 | 5 52 |
| W18 | 23 34 | 18 29 | 4 59 | 20 23 | 0 32 | 13 40 | 3 4 | 23 54 | 0 38 | 3 6 | 1 21 | 23 4 | 0 29 | 15 41 | 0 19 | 8 19 | 1 53 | 24 58 | 13 41 | 0 18 | 0 18 | 17 38 | 17 41 | 5 52 |
| T 19 | 23 33 | 18 28 | 4 57 | 20 2 | 0 45 | 13 57 | 3 3 | 23 57 | 0 38 | 3 3 | 1 21 | 23 4 | 0 29 | 15 41 | 0 19 | 8 19 | 1 53 | 24 58 | 13 41 | 0 23 | 0 19 | 17 39 | 17 41 | 5 52 |
| F 20 | 23 32 | 17 37 | 4 42 | 19 41 | 0 59 | 14 15 | 3 3 | 24 0 | 0 39 | 3 1 | 1 21 | 23 4 | 0 29 | 15 40 | 0 19 | 8 19 | 1 53 | 24 57 | 13 40 | 0 29 | 0 21 | 17 40 | 17 41 | 5 52 |
| S 21 | 23 31 | 15 58 | 4 15 | 19 21 | 1 12 | 14 32 | 3 2 | 24 3 | 0 39 | 2 58 | 1 20 | 23 4 | 0 29 | 15 40 | 0 19 | 8 18 | 1 53 | 24 56 | 13 40 | 0 33 | 0 22 | 17 40 | 17 41 | 5 52 |
| S 22 | 23 29 | 13 35 | 3 35 | 19 1 | 1 26 | 14 49 | 3 1 | 24 5 | 0 40 | 2 56 | 1 20 | 23 4 | 0 29 | 15 39 | 0 19 | 8 18 | 1 53 | 24 55 | 13 40 | 0 37 | 0 23 | 17 41 | 17 41 | 5 52 |
| M23 | 23 26 | 10 33 | 2 45 | 18 41 | 1 40 | 15 7 | 3 0 | 24 7 | 0 40 | 2 53 | 1 20 | 23 4 | 0 29 | 15 39 | 0 19 | 8 18 | 1 53 | 24 55 | 13 39 | 0 39 | 0 25 | 17 41 | 17 41 | 5 52 |
| T 24 | 23 24 | 7 0 | 1 45 | 18 22 | 1 55 | 15 24 | 3 0 | 24 9 | 0 41 | 2 50 | 1 20 | 23 3 | 0 29 | 15 39 | 0 19 | 8 18 | 1 53 | 24 54 | 13 39 | 0 40 | 0 26 | 17 42 | 17 41 | 5 52 |
| W25 | 23 21 | 3 3 | 0 40 | 18 4 | 2 9 | 15 40 | 2 58 | 24 11 | 0 41 | 2 47 | 1 19 | 23 3 | 0 29 | 15 38 | 0 19 | 8 18 | 1 53 | 24 53 | 13 39 | 0 41 | 0 27 | 17 42 | 17 41 | 5 52 |
| T 26 | 23 17 | 1n 8 | 0s30 | 17 47 | 2 23 | 15 57 | 2 57 | 24 13 | 0 42 | 2 45 | 1 19 | 23 3 | 0 29 | 15 38 | 0 19 | 8 18 | 1 53 | 24 52 | 13 39 | 0 41 | 0 28 | 17 43 | 17 41 | 5 52 |
| F 27 | 23 13 | 5 22 | 1 40 | 17 31 | 2 38 | 16 13 | 2 56 | 24 14 | 0 42 | 2 42 | 1 19 | 23 3 | 0 29 | 15 38 | 0 19 | 8 18 | 1 53 | 24 51 | 13 38 | 0 41 | 0 30 | 17 43 | 17 42 | 5 52 |
| S 28 | 23 9 | 9 26 | 2 46 | 17 16 | 2 52 | 16 30 | 2 54 | 24 16 | 0 43 | 2 39 | 1 19 | 23 3 | 0 28 | 15 38 | 0 18 | 8 18 | 1 53 | 24 51 | 13 38 | 0 42 | 0 31 | 17 44 | 17 42 | 5 52 |
| S 29 | 23 4 | 13 4 | 3 43 | 17 2 | 3 6 | 16 46 | 2 53 | 24 17 | 0 43 | 2 36 | 1 19 | 23 3 | 0 28 | 15 37 | 0 18 | 8 18 | 1 53 | 24 50 | 13 38 | 0 43 | 0 32 | 17 44 | 17 42 | 5 52 |
| M30 | 22n59 | 15n59 | 4s27 | 16n50 | 3s20 | 17n 2 | 2s51 | 24n18 | 0n44 | 2n33 | 1n18 | 23n 3 | 0s28 | 15s37 | 0n18 | 8s18 | 1n53 | 24n49 | 13n38 | 0n45 | 0n33 | 17s45 | 17s42 | 5n52 |

Julian Day Number = 2076597.5, Delta T = 26m40s
Ecliptic obliquity = 23°34'10, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°25'58, Lahiri = 9°32'59 Julian Calendar 1 June 973 == Greg. Calendar 6 June 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## JULY 973 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 56 16 | 13♋26'49 | 15♊23 | 0°R41 | 29♉ 0 | 29♊48 | 26♍45 | 3♋49 | 13°R16 | 25°R53 | 28♌24 | 27°R59 | 28♍33 | 15♐ 6 | 1°R16 | T 1 |
| W 2 | 19 0 13 | 14°24'06 | 0♋31 | 0♌26 | 0♊ 4 | 0♋28 | 26°52 | 3°57 | 13♏15 | 25♎53 | 28°26 | 27♍49 | 28°30 | 15°13 | 1♑12 | W 2 |
| T 3 | 19 4 9 | 15°21'24 | 15°39 | 0° 7 | 1° 8 | 1° 7 | 27° 0 | 4° 5 | 13°15 | 25°D53 | 28°27 | 27°38 | 28°27 | 15°19 | 1° 9 | T 3 |
| F 4 | 19 8 6 | 16°18'42 | 0♌35 | 29♋43 | 2°12 | 1°47 | 27° 7 | 4°12 | 13°14 | 25°53 | 28°29 | 27°29 | 28°24 | 15°26 | 1° 5 | F 4 |
| S 5 | 19 12 2 | 17°16'02 | 15°12 | 29°15 | 3°16 | 2°26 | 27°15 | 4°20 | 13°13 | 25°53 | 28°31 | 27°21 | 28°20 | 15°33 | 1° 2 | S 5 |
| S 6 | 19 15 59 | 18°13'21 | 29°22 | 28°42 | 4°21 | 3° 5 | 27°23 | 4°28 | 13°13 | 25°53 | 28°32 | 27°16 | 28°17 | 15°40 | 0°58 | S 6 |
| M 7 | 19 19 55 | 19°10'41 | 13♍ 4 | 28° 6 | 5°26 | 3°44 | 27°31 | 4°35 | 13°12 | 25°53 | 28°34 | 27°13 | 28°14 | 15°46 | 0°55 | M 7 |
| T 8 | 19 23 52 | 20° 8'02 | 26°19 | 27°27 | 6°31 | 4°24 | 27°39 | 4°43 | 13°12 | 25°53 | 28°36 | 27°D13 | 28°11 | 15°53 | 0°52 | T 8 |
| W 9 | 19 27 49 | 21° 5'24 | 9♎ 7 | 26°45 | 7°36 | 5° 3 | 27°47 | 4°51 | 13°11 | 25°53 | 28°38 | 27°13 | 28° 8 | 16° 0 | 0°48 | W 9 |
| T 10 | 19 31 45 | 22° 2'45 | 21°35 | 26° 2 | 8°42 | 5°42 | 27°56 | 4°58 | 13°11 | 25°54 | 28°39 | 27°R13 | 28° 5 | 16° 7 | 0°45 | T 10 |
| F 11 | 19 35 42 | 23° 0'08 | 3♏46 | 25°17 | 9°47 | 6°21 | 28° 4 | 5° 6 | 13°10 | 25°54 | 28°41 | 27°13 | 28° 1 | 16°13 | 0°42 | F 11 |
| S 12 | 19 39 38 | 23°57'31 | 15°47 | 24°31 | 10°53 | 7° 0 | 28°13 | 5°13 | 13°10 | 25°54 | 28°43 | 27°10 | 27°58 | 16°20 | 0°38 | S 12 |
| S 13 | 19 43 35 | 24°54'55 | 27°40 | 23°47 | 11°59 | 7°39 | 28°21 | 5°21 | 13°10 | 25°55 | 28°45 | 27° 6 | 27°55 | 16°27 | 0°35 | S 13 |
| M14 | 19 47 31 | 25°52'20 | 9♐32 | 23° 3 | 13° 5 | 8°18 | 28°30 | 5°28 | 13°10 | 25°55 | 28°46 | 26°59 | 27°52 | 16°33 | 0°32 | M14 |
| T 15 | 19 51 28 | 26°49'46 | 21°25 | 22°21 | 14°11 | 8°57 | 28°39 | 5°36 | 13°10 | 25°55 | 28°48 | 26°50 | 27°49 | 16°40 | 0°29 | T 15 |
| W16 | 19 55 24 | 27°47'13 | 3♑21 | 21°43 | 15°18 | 9°36 | 28°48 | 5°43 | 13°10 | 25°56 | 28°50 | 26°39 | 27°46 | 16°47 | 0°26 | W16 |
| T 17 | 19 59 21 | 28°44'40 | 15°24 | 21° 8 | 16°24 | 10°15 | 28°57 | 5°51 | 13°D 9 | 25°56 | 28°52 | 26°28 | 27°42 | 16°54 | 0°23 | T 17 |
| F 18 | 20 3 18 | 29°42'09 | 27°35 | 20°37 | 17°31 | 10°54 | 29° 6 | 5°58 | 13° 9 | 25°57 | 28°54 | 26°18 | 27°39 | 17° 0 | 0°20 | F 18 |
| S 19 | 20 7 14 | 0♌39'38 | 9♒54 | 20°11 | 18°38 | 11°33 | 29°16 | 6° 5 | 13°10 | 25°57 | 28°56 | 26° 9 | 27°36 | 17° 7 | 0°17 | S 19 |
| S 20 | 20 11 11 | 1°37'09 | 22°23 | 19°51 | 19°45 | 12°11 | 29°25 | 6°13 | 13°10 | 25°58 | 28°58 | 26° 2 | 27°33 | 17°14 | 0°14 | S 20 |
| M21 | 20 15 7 | 2°34'41 | 5♓ 2 | 19°37 | 20°53 | 12°50 | 29°35 | 6°20 | 13°10 | 25°58 | 29° 0 | 25°58 | 27°30 | 17°20 | 0°11 | M21 |
| T 22 | 20 19 4 | 3°32'15 | 17°52 | 19°30 | 22° 0 | 13°29 | 29°44 | 6°27 | 13°10 | 25°59 | 29° 2 | 25°56 | 27°26 | 17°27 | 0° 8 | T 22 |
| W23 | 20 23 0 | 4°29'50 | 0♈55 | 19°D29 | 23° 8 | 14° 8 | 29°54 | 6°34 | 13°10 | 25°59 | 29° 4 | 25°D56 | 27°23 | 17°34 | 0° 5 | W23 |
| T 24 | 20 26 57 | 5°27'26 | 14°12 | 19°35 | 24°16 | 14°46 | 0♎ 4 | 6°42 | 13°11 | 26° 0 | 29° 6 | 25°57 | 27°20 | 17°41 | 0° 3 | T 24 |
| F 25 | 20 30 53 | 6°25'04 | 27°46 | 19°49 | 25°23 | 15°25 | 0°14 | 6°49 | 13°11 | 26° 1 | 29° 8 | 25°58 | 27°17 | 17°47 | 0° 0 | F 25 |
| S 26 | 20 34 50 | 7°22'44 | 11♉37 | 20°10 | 26°32 | 16° 4 | 0°24 | 6°56 | 13°11 | 26° 2 | 29° 9 | 25°R58 | 27°14 | 17°54 | 29♐57 | S 26 |
| S 27 | 20 38 47 | 8°20'25 | 25°46 | 20°38 | 27°40 | 16°42 | 0°34 | 7° 3 | 13°12 | 26° 2 | 29°11 | 25°56 | 27°11 | 18° 1 | 29°55 | S 27 |
| M28 | 20 42 43 | 9°18'08 | 10♊11 | 21°13 | 28°48 | 17°21 | 0°44 | 7°10 | 13°12 | 26° 3 | 29°14 | 25°53 | 27° 7 | 18° 8 | 29°52 | M28 |
| T 29 | 20 46 40 | 10°15'53 | 24°50 | 21°55 | 29°57 | 17°59 | 0°54 | 7°17 | 13°13 | 26° 4 | 29°16 | 25°48 | 27° 4 | 18°14 | 29°50 | T 29 |
| W30 | 20 50 36 | 11°13'40 | 9♋36 | 22°45 | 1♋ 5 | 18°38 | 1° 4 | 7°24 | 13°14 | 26° 5 | 29°18 | 25°42 | 27° 1 | 18°21 | 29°48 | W30 |
| T 31 | 20 54 33 | 12♌11'28 | 24♋23 | 23♋41 | 2♋14 | 19♋16 | 1♎15 | 7♋31 | 13♏14 | 26♎ 6 | 29♌20 | 25♍35 | 26♍58 | 18♐28 | 29♐45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n53 | 17n53 | 4s54 | 16n39 | 3s33 | 17n17 | 2s50 | 24n18 | 0n44 | 2n30 | 1n18 | 23n 3 | 0s28 | 15s37 | 0n18 | 8s18 | 1n53 | 24n48 | 13n37 | 0n49 | 0n35 | 17s45 | 17s42 | 5n52 |
| W 2 | 22 47 | 18 33 | 5 1 | 16 30 | 3 46 | 17 32 | 2 48 | 24 19 | 0 45 | 2 26 | 1 18 | 23 2 | 0 28 | 15 37 | 0 18 | 8 18 | 1 53 | 24 47 | 13 37 | 0 52 | 0 36 | 17 46 | 17 42 | 5 52 |
| T 3 | 22 41 | 17 54 | 4 47 | 16 22 | 3 58 | 17 48 | 2 46 | 24 19 | 0 45 | 2 23 | 1 18 | 23 2 | 0 28 | 15 36 | 0 18 | 8 18 | 1 52 | 24 47 | 13 37 | 0 57 | 0 37 | 17 46 | 17 42 | 5 52 |
| F 4 | 22 34 | 16 1 | 4 13 | 16 16 | 4 9 | 18 2 | 2 44 | 24 19 | 0 46 | 2 20 | 1 17 | 23 2 | 0 28 | 15 36 | 0 18 | 8 18 | 1 52 | 24 46 | 13 37 | 1 0 | 0 39 | 17 47 | 17 42 | 5 52 |
| S 5 | 22 27 | 13 7 | 3 23 | 16 12 | 4 19 | 18 17 | 2 42 | 24 19 | 0 46 | 2 17 | 1 17 | 23 2 | 0 28 | 15 36 | 0 18 | 8 18 | 1 52 | 24 45 | 13 37 | 1 3 | 0 40 | 17 47 | 17 42 | 5 52 |
| S 6 | 22 19 | 9 32 | 2 22 | 16 10 | 4 28 | 18 31 | 2 40 | 24 19 | 0 47 | 2 13 | 1 17 | 23 2 | 0 28 | 15 36 | 0 18 | 8 19 | 1 52 | 24 44 | 13 36 | 1 6 | 0 41 | 17 48 | 17 42 | 5 52 |
| M 7 | 22 11 | 5 32 | 1 14 | 16 9 | 4 36 | 18 45 | 2 37 | 24 18 | 0 47 | 2 10 | 1 17 | 23 2 | 0 28 | 15 36 | 0 18 | 8 19 | 1 52 | 24 43 | 13 36 | 1 7 | 0 42 | 17 48 | 17 42 | 5 52 |
| T 8 | 22 3 | 1 24 | 0 5 | 16 10 | 4 42 | 18 58 | 2 35 | 24 17 | 0 48 | 2 7 | 1 17 | 23 1 | 0 28 | 15 36 | 0 18 | 8 19 | 1 52 | 24 43 | 13 36 | 1 7 | 0 44 | 17 49 | 17 42 | 5 52 |
| W 9 | 21 54 | 2s40 | 1n 3 | 16 14 | 4 47 | 19 11 | 2 33 | 24 16 | 0 48 | 2 3 | 1 16 | 23 1 | 0 28 | 15 36 | 0 18 | 8 19 | 1 52 | 24 42 | 13 36 | 1 7 | 0 45 | 17 49 | 17 42 | 5 52 |
| T 10 | 21 45 | 6 31 | 2 6 | 16 19 | 4 50 | 19 24 | 2 30 | 24 15 | 0 48 | 2 0 | 1 16 | 23 1 | 0 28 | 15 35 | 0 18 | 8 19 | 1 52 | 24 41 | 13 36 | 1 7 | 0 46 | 17 50 | 17 43 | 5 51 |
| F 11 | 21 36 | 9 59 | 3 2 | 16 25 | 4 51 | 19 36 | 2 27 | 24 14 | 0 49 | 1 56 | 1 16 | 23 1 | 0 27 | 15 35 | 0 18 | 8 19 | 1 52 | 24 40 | 13 35 | 1 7 | 0 47 | 17 50 | 17 43 | 5 51 |
| S 12 | 21 26 | 13 0 | 3 49 | 16 33 | 4 51 | 19 48 | 2 25 | 24 12 | 0 49 | 1 52 | 1 16 | 23 1 | 0 27 | 15 35 | 0 18 | 8 19 | 1 52 | 24 39 | 13 35 | 1 8 | 0 49 | 17 51 | 17 43 | 5 51 |
| S 13 | 21 16 | 15 26 | 4 25 | 16 43 | 4 49 | 20 0 | 2 22 | 24 11 | 0 50 | 1 49 | 1 16 | 23 0 | 0 27 | 15 35 | 0 18 | 8 20 | 1 52 | 24 39 | 13 35 | 1 10 | 0 50 | 17 51 | 17 43 | 5 51 |
| M14 | 21 5 | 17 13 | 4 50 | 16 54 | 4 45 | 20 11 | 2 19 | 24 9 | 0 50 | 1 45 | 1 15 | 23 0 | 0 27 | 15 35 | 0 18 | 8 20 | 1 52 | 24 38 | 13 35 | 1 13 | 0 51 | 17 52 | 17 43 | 5 51 |
| T 15 | 20 54 | 18 15 | 5 3 | 17 7 | 4 39 | 20 22 | 2 17 | 24 7 | 0 51 | 1 41 | 1 15 | 23 0 | 0 27 | 15 35 | 0 18 | 8 20 | 1 52 | 24 37 | 13 35 | 1 16 | 0 52 | 17 52 | 17 43 | 5 51 |
| W16 | 20 43 | 18 30 | 5 2 | 17 20 | 4 32 | 20 32 | 2 14 | 24 4 | 0 51 | 1 38 | 1 15 | 23 0 | 0 27 | 15 35 | 0 18 | 8 20 | 1 52 | 24 36 | 13 35 | 1 20 | 0 54 | 17 53 | 17 44 | 5 51 |
| T 17 | 20 31 | 17 55 | 4 48 | 17 34 | 4 23 | 20 42 | 2 11 | 24 2 | 0 52 | 1 34 | 1 15 | 22 59 | 0 27 | 15 35 | 0 18 | 8 20 | 1 52 | 24 35 | 13 34 | 1 25 | 0 55 | 17 53 | 17 44 | 5 50 |
| F 18 | 20 19 | 16 30 | 4 20 | 17 49 | 4 12 | 20 52 | 2 8 | 23 59 | 0 52 | 1 30 | 1 15 | 22 59 | 0 27 | 15 35 | 0 18 | 8 21 | 1 52 | 24 34 | 13 34 | 1 29 | 0 56 | 17 54 | 17 44 | 5 50 |
| S 19 | 20 7 | 14 19 | 3 41 | 18 5 | 4 1 | 21 1 | 2 5 | 23 56 | 0 53 | 1 26 | 1 15 | 22 59 | 0 27 | 15 35 | 0 18 | 8 21 | 1 52 | 24 34 | 13 34 | 1 32 | 0 58 | 17 54 | 17 44 | 5 50 |
| S 20 | 19 54 | 11 27 | 2 50 | 18 20 | 3 48 | 21 9 | 2 2 | 23 53 | 0 53 | 1 22 | 1 14 | 22 59 | 0 27 | 15 35 | 0 18 | 8 21 | 1 51 | 24 33 | 13 34 | 1 35 | 0 59 | 17 55 | 17 44 | 5 50 |
| M21 | 19 41 | 8 1 | 1 50 | 18 36 | 3 34 | 21 17 | 1 58 | 23 50 | 0 54 | 1 18 | 1 14 | 22 58 | 0 27 | 15 35 | 0 18 | 8 21 | 1 51 | 24 32 | 13 34 | 1 37 | 1 0 | 17 55 | 17 44 | 5 50 |
| T 22 | 19 28 | 4 10 | 0 43 | 18 52 | 3 19 | 21 25 | 1 55 | 23 47 | 0 54 | 1 14 | 1 14 | 22 58 | 0 27 | 15 35 | 0 18 | 8 22 | 1 51 | 24 31 | 13 34 | 1 38 | 1 1 | 17 56 | 17 45 | 5 50 |
| W23 | 19 14 | 0 3 | 0s27 | 19 8 | 3 3 | 21 31 | 1 52 | 23 43 | 0 54 | 1 10 | 1 14 | 22 58 | 0 27 | 15 36 | 0 18 | 8 22 | 1 51 | 24 30 | 13 34 | 1 38 | 1 3 | 17 56 | 17 45 | 5 49 |
| T 24 | 19 1 | 4n 9 | 1 37 | 19 23 | 2 47 | 21 38 | 1 49 | 23 39 | 0 55 | 1 6 | 1 14 | 22 57 | 0 27 | 15 36 | 0 18 | 8 22 | 1 51 | 24 30 | 13 34 | 1 37 | 1 4 | 17 57 | 17 45 | 5 49 |
| F 25 | 18 46 | 8 12 | 2 43 | 19 37 | 2 30 | 21 44 | 1 46 | 23 35 | 0 55 | 1 2 | 1 13 | 22 57 | 0 26 | 15 36 | 0 18 | 8 23 | 1 51 | 24 29 | 13 34 | 1 37 | 1 5 | 17 57 | 17 45 | 5 49 |
| S 26 | 18 32 | 11 54 | 3 41 | 19 51 | 2 13 | 21 49 | 1 42 | 23 31 | 0 56 | 0 58 | 1 13 | 22 57 | 0 26 | 15 36 | 0 18 | 8 23 | 1 51 | 24 28 | 13 33 | 1 37 | 1 6 | 17 57 | 17 46 | 5 49 |
| S 27 | 18 17 | 14 59 | 4 27 | 20 4 | 1 56 | 21 54 | 1 39 | 23 27 | 0 56 | 0 54 | 1 13 | 22 57 | 0 26 | 15 36 | 0 18 | 8 23 | 1 51 | 24 27 | 13 33 | 1 37 | 1 8 | 17 58 | 17 46 | 5 48 |
| M28 | 18 1 | 17 12 | 4 57 | 20 15 | 1 39 | 21 58 | 1 35 | 23 23 | 0 57 | 0 49 | 1 13 | 22 56 | 0 26 | 15 36 | 0 18 | 8 23 | 1 51 | 24 26 | 13 33 | 1 39 | 1 9 | 17 58 | 17 46 | 5 48 |
| T 29 | 17 46 | 18 20 | 5 8 | 20 25 | 1 23 | 22 2 | 1 32 | 23 18 | 0 57 | 0 45 | 1 13 | 22 56 | 0 26 | 15 37 | 0 18 | 8 24 | 1 51 | 24 25 | 13 33 | 1 41 | 1 10 | 17 59 | 17 46 | 5 48 |
| W30 | 17 30 | 18 15 | 4 59 | 20 33 | 1 6 | 22 5 | 1 29 | 23 13 | 0 58 | 0 41 | 1 13 | 22 56 | 0 26 | 15 37 | 0 18 | 8 24 | 1 51 | 24 25 | 13 33 | 1 43 | 1 12 | 17 59 | 17 47 | 5 48 |
| T 31 | 17n14 | 16n55 | 4s31 | 20n40 | 0s50 | 22n 8 | 1s25 | 23n 8 | 0n58 | 0n36 | 1n12 | 22n55 | 0s26 | 15s37 | 0n18 | 8s25 | 1n51 | 24n24 | 13n33 | 1n46 | 1n13 | 18s 0 | 17s47 | 5n47 |

Julian Day Number = 2076627.5, Delta T = 26m39s
Ecliptic obliquity = 23°34'10, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'02, Lahiri = 9°33'03 Julian Calendar 1 July 973 == Greg. Calendar 6 July 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## AUGUST 973 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 58 29 | 13♌ 9'17 | 9♌ 2 | 24♋44 | 3♋23 | 19♋55 | 1♎25 | 7♋38 | 13♏15 | 26♎ 7 | 29♌22 | 25°R29 | 26♍55 | 18♐34 | 29°R43 | F 1 |
| S 2 | 21 2 26 | 14° 7'09 | 23°26 | 25°54 | 4°32 | 20°33 | 1°36 | 7°45 | 13°16 | 26° 8 | 29°24 | 25♍24 | 26°52 | 18°41 | 29♐41 | S 2 |
| S 3 | 21 6 22 | 15° 5'01 | 7♍30 | 27° 9 | 5°41 | 21°11 | 1°47 | 7°51 | 13°17 | 26° 9 | 29°26 | 25°21 | 26°48 | 18°48 | 29°39 | S 3 |
| M 4 | 21 10 19 | 16° 2'55 | 21° 9 | 28°30 | 6°50 | 21°50 | 1°57 | 7°58 | 13°18 | 26°10 | 29°28 | 25°D20 | 26°45 | 18°55 | 29°37 | M 4 |
| T 5 | 21 14 16 | 17° 0'50 | 4♎24 | 29°57 | 8° 0 | 22°28 | 2° 8 | 8° 5 | 13°19 | 26°11 | 29°30 | 25°20 | 26°42 | 19° 1 | 29°35 | T 5 |
| W 6 | 21 18 12 | 17°58'47 | 17°15 | 1♌28 | 9° 9 | 23° 6 | 2°19 | 8°12 | 13°20 | 26°12 | 29°32 | 25°21 | 26°39 | 19° 8 | 29°33 | W 6 |
| T 7 | 21 22 9 | 18°56'45 | 29°45 | 3° 4 | 10°19 | 23°45 | 2°30 | 8°18 | 13°21 | 26°13 | 29°34 | 25°23 | 26°36 | 19°15 | 29°31 | T 7 |
| F 8 | 21 26 5 | 19°54'45 | 11♏59 | 4°44 | 11°28 | 24°23 | 2°41 | 8°25 | 13°22 | 26°14 | 29°36 | 25°24 | 26°32 | 19°21 | 29°30 | F 8 |
| S 9 | 21 30 2 | 20°52'45 | 24° 1 | 6°27 | 12°38 | 25° 1 | 2°52 | 8°31 | 13°23 | 26°15 | 29°38 | 25°R24 | 26°29 | 19°28 | 29°28 | S 9 |
| S 10 | 21 33 58 | 21°50'48 | 5♐56 | 8°13 | 13°48 | 25°39 | 3° 4 | 8°38 | 13°24 | 26°16 | 29°40 | 25°23 | 26°26 | 19°35 | 29°26 | S 10 |
| M11 | 21 37 55 | 22°48'52 | 17°49 | 10° 2 | 14°58 | 26°17 | 3°15 | 8°44 | 13°25 | 26°17 | 29°42 | 25°21 | 26°23 | 19°42 | 29°25 | M11 |
| T 12 | 21 41 51 | 23°46'57 | 29°43 | 11°53 | 16° 8 | 26°55 | 3°26 | 8°50 | 13°27 | 26°19 | 29°45 | 25°17 | 26°20 | 19°48 | 29°23 | T 12 |
| W13 | 21 45 48 | 24°45'04 | 11♑44 | 13°46 | 17°18 | 27°33 | 3°38 | 8°56 | 13°28 | 26°20 | 29°47 | 25°12 | 26°17 | 19°55 | 29°22 | W13 |
| T 14 | 21 49 45 | 25°43'12 | 23°53 | 15°40 | 18°29 | 28°11 | 3°49 | 9° 3 | 13°29 | 26°21 | 29°49 | 25° 7 | 26°13 | 20° 2 | 29°21 | T 14 |
| F 15 | 21 53 41 | 26°41'22 | 6♒13 | 17°35 | 19°39 | 28°49 | 4° 1 | 9° 9 | 13°31 | 26°22 | 29°51 | 25° 2 | 26°10 | 20° 9 | 29°19 | F 15 |
| S 16 | 21 57 38 | 27°39'34 | 18°45 | 19°31 | 20°50 | 29°27 | 4°12 | 9°15 | 13°32 | 26°24 | 29°53 | 24°58 | 26° 7 | 20°15 | 29°18 | S 16 |
| S 17 | 22 1 34 | 28°37'47 | 1♓30 | 21°27 | 22° 1 | 0♌ 5 | 4°24 | 9°21 | 13°34 | 26°25 | 29°55 | 24°55 | 26° 4 | 20°22 | 29°17 | S 17 |
| M18 | 22 5 31 | 29°36'03 | 14°29 | 23°23 | 23°11 | 0°43 | 4°35 | 9°27 | 13°35 | 26°27 | 29°57 | 24°53 | 26° 1 | 20°29 | 29°16 | M18 |
| T 19 | 22 9 27 | 0♍34'20 | 27°41 | 25°18 | 24°22 | 1°21 | 4°47 | 9°33 | 13°37 | 26°28 | 29°59 | 24°D53 | 25°58 | 20°35 | 29°15 | T 19 |
| W20 | 22 13 24 | 1°32'39 | 11♈ 5 | 27°14 | 25°33 | 1°59 | 4°59 | 9°39 | 13°39 | 26°29 | 0♍ 1 | 24°54 | 25°54 | 20°42 | 29°14 | W20 |
| T 21 | 22 17 20 | 2°31'00 | 24°41 | 29° 9 | 26°44 | 2°37 | 5°11 | 9°44 | 13°40 | 26°31 | 0° 4 | 24°55 | 25°51 | 20°49 | 29°14 | T 21 |
| F 22 | 22 21 17 | 3°29'23 | 8♉28 | 1♍ 3 | 27°55 | 3°15 | 5°23 | 9°50 | 13°42 | 26°32 | 0° 6 | 24°56 | 25°48 | 20°56 | 29°13 | F 22 |
| S 23 | 22 25 13 | 4°27'49 | 22°26 | 2°57 | 29° 7 | 3°52 | 5°35 | 9°56 | 13°44 | 26°34 | 0° 8 | 24°58 | 25°45 | 21° 2 | 29°12 | S 23 |
| S 24 | 22 29 10 | 5°26'17 | 6♊33 | 4°50 | 0♌18 | 4°30 | 5°47 | 10° 1 | 13°46 | 26°35 | 0°10 | 24°R58 | 25°42 | 21° 9 | 29°12 | S 24 |
| M25 | 22 33 7 | 6°24'47 | 20°47 | 6°41 | 1°30 | 5° 8 | 5°59 | 10° 7 | 13°48 | 26°37 | 0°12 | 24°57 | 25°38 | 21°16 | 29°11 | M25 |
| T 26 | 22 37 3 | 7°23'19 | 5♋ 7 | 8°32 | 2°41 | 5°46 | 6°11 | 10°12 | 13°50 | 26°39 | 0°14 | 24°56 | 25°35 | 21°22 | 29°11 | T 26 |
| W27 | 22 41 0 | 8°21'54 | 19°29 | 10°23 | 3°53 | 6°23 | 6°23 | 10°17 | 13°52 | 26°40 | 0°16 | 24°54 | 25°32 | 21°29 | 29°10 | W27 |
| T 28 | 22 44 56 | 9°20'31 | 3♌48 | 12°12 | 5° 5 | 7° 1 | 6°36 | 10°23 | 13°54 | 26°42 | 0°18 | 24°52 | 25°29 | 21°36 | 29°10 | T 28 |
| F 29 | 22 48 53 | 10°19'10 | 18° 0 | 14° 0 | 6°17 | 7°39 | 6°48 | 10°28 | 13°56 | 26°44 | 0°20 | 24°50 | 25°26 | 21°43 | 29°10 | F 29 |
| S 30 | 22 52 49 | 11°17'51 | 2♍ 1 | 15°47 | 7°29 | 8°16 | 7° 0 | 10°33 | 13°58 | 26°45 | 0°23 | 24°49 | 25°23 | 21°49 | 29°D10 | S 30 |
| S 31 | 22 56 46 | 12♍16'34 | 15♍46 | 17♍33 | 8♌41 | 8♌54 | 7♎13 | 10♋38 | 14♏ 0 | 26♎47 | 0♍25 | 24♍48 | 25♍19 | 21♐56 | 29♐10 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n58 | 14n29 | 3s44 | 20n44 | 0s34 | 22n10 | 1s22 | 23n 3 | 0n59 | 0n32 | 1n12 | 22n55 | 0s26 | 15s37 | 0n18 | 8s25 | 1n51 | 24n23 | 13n33 | 1n48 | 1n14 | 18s 0 | 17s47 | 5n47 |
| S 2 | 16 41 | 11 12 | 2 44 | 20 46 | 0 19 | 22 11 | 1 18 | 22 58 | 0 59 | 0 28 | 1 12 | 22 55 | 0 26 | 15 38 | 0 18 | 8 25 | 1 51 | 24 22 | 13 33 | 1 50 | 1 15 | 18 1 | 17 47 | 5 47 |
| S 3 | 16 24 | 7 20 | 1 35 | 20 46 | 0 5 | 22 12 | 1 15 | 22 52 | 0 59 | 0 23 | 1 12 | 22 54 | 0 26 | 15 38 | 0 18 | 8 26 | 1 51 | 24 21 | 13 33 | 1 51 | 1 17 | 18 1 | 17 48 | 5 47 |
| M 4 | 16 7 | 3 11 | 0 23 | 20 43 | 0n 9 | 22 13 | 1 11 | 22 46 | 1 0 | 0 19 | 1 12 | 22 54 | 0 26 | 15 38 | 0 18 | 8 26 | 1 51 | 24 21 | 13 33 | 1 52 | 1 18 | 18 1 | 17 48 | 5 46 |
| T 5 | 15 49 | 1s 0 | 0n49 | 20 38 | 0 22 | 22 12 | 1 8 | 22 41 | 1 0 | 0 14 | 1 12 | 22 54 | 0 26 | 15 38 | 0 18 | 8 27 | 1 51 | 24 20 | 13 33 | 1 52 | 1 19 | 18 2 | 17 48 | 5 46 |
| W 6 | 15 32 | 5 1 | 1 56 | 20 30 | 0 34 | 22 11 | 1 4 | 22 35 | 1 1 | 0 10 | 1 12 | 22 53 | 0 26 | 15 39 | 0 18 | 8 27 | 1 50 | 24 19 | 13 33 | 1 51 | 1 20 | 18 2 | 17 48 | 5 46 |
| T 7 | 15 14 | 8 42 | 2 56 | 20 19 | 0 45 | 22 10 | 1 0 | 22 28 | 1 1 | 0 5 | 1 11 | 22 53 | 0 26 | 15 39 | 0 18 | 8 28 | 1 50 | 24 18 | 13 33 | 1 51 | 1 22 | 18 3 | 17 49 | 5 45 |
| F 8 | 14 55 | 11 55 | 3 47 | 20 5 | 0 56 | 22 8 | 0 57 | 22 22 | 1 2 | 0 1 | 1 11 | 22 53 | 0 26 | 15 39 | 0 17 | 8 28 | 1 50 | 24 18 | 13 33 | 1 50 | 1 23 | 18 3 | 17 49 | 5 45 |
| S 9 | 14 37 | 14 34 | 4 27 | 19 49 | 1 5 | 22 5 | 0 53 | 22 16 | 1 2 | 0s 4 | 1 11 | 22 52 | 0 26 | 15 40 | 0 17 | 8 28 | 1 50 | 24 17 | 13 33 | 1 50 | 1 24 | 18 3 | 17 49 | 5 45 |
| S 10 | 14 18 | 16 35 | 4 54 | 19 29 | 1 13 | 22 1 | 0 50 | 22 9 | 1 2 | 0 8 | 1 11 | 22 52 | 0 25 | 15 40 | 0 17 | 8 29 | 1 50 | 24 16 | 13 33 | 1 51 | 1 25 | 18 4 | 17 50 | 5 44 |
| M11 | 13 59 | 17 52 | 5 9 | 19 7 | 1 21 | 21 57 | 0 46 | 22 2 | 1 3 | 0 13 | 1 11 | 22 51 | 0 25 | 15 41 | 0 17 | 8 29 | 1 50 | 24 15 | 13 33 | 1 52 | 1 27 | 18 4 | 17 50 | 5 44 |
| T 12 | 13 40 | 18 23 | 5 11 | 18 43 | 1 27 | 21 53 | 0 43 | 21 55 | 1 3 | 0 18 | 1 11 | 22 51 | 0 25 | 15 41 | 0 17 | 8 30 | 1 50 | 24 14 | 13 33 | 1 53 | 1 28 | 18 5 | 17 50 | 5 44 |
| W13 | 13 21 | 18 5 | 4 59 | 18 16 | 1 33 | 21 48 | 0 39 | 21 48 | 1 4 | 0 22 | 1 11 | 22 51 | 0 25 | 15 41 | 0 17 | 8 30 | 1 50 | 24 14 | 13 33 | 1 55 | 1 29 | 18 5 | 17 51 | 5 43 |
| T 14 | 13 1 | 16 57 | 4 34 | 17 47 | 1 37 | 21 42 | 0 36 | 21 41 | 1 4 | 0 27 | 1 11 | 22 50 | 0 25 | 15 42 | 0 17 | 8 31 | 1 50 | 24 13 | 13 33 | 1 57 | 1 31 | 18 5 | 17 51 | 5 43 |
| F 15 | 12 41 | 15 1 | 3 56 | 17 15 | 1 41 | 21 35 | 0 32 | 21 34 | 1 5 | 0 32 | 1 10 | 22 50 | 0 25 | 15 42 | 0 17 | 8 31 | 1 50 | 24 12 | 13 33 | 1 59 | 1 32 | 18 6 | 17 51 | 5 43 |
| S 16 | 12 21 | 12 21 | 3 5 | 16 42 | 1 44 | 21 28 | 0 29 | 21 26 | 1 5 | 0 36 | 1 10 | 22 50 | 0 25 | 15 43 | 0 17 | 8 32 | 1 50 | 24 11 | 13 33 | 2 1 | 1 33 | 18 6 | 17 52 | 5 42 |
| S 17 | 12 1 | 9 3 | 2 5 | 16 6 | 1 46 | 21 21 | 0 25 | 21 18 | 1 5 | 0 41 | 1 10 | 22 49 | 0 25 | 15 43 | 0 17 | 8 33 | 1 50 | 24 11 | 13 33 | 2 2 | 1 34 | 18 7 | 17 52 | 5 42 |
| M18 | 11 40 | 5 16 | 0 57 | 15 29 | 1 47 | 21 13 | 0 22 | 21 10 | 1 6 | 0 46 | 1 10 | 22 49 | 0 25 | 15 44 | 0 17 | 8 33 | 1 50 | 24 10 | 13 33 | 2 2 | 1 36 | 18 7 | 17 52 | 5 42 |
| T 19 | 11 20 | 1 10 | 0s15 | 14 51 | 1 48 | 21 4 | 0 18 | 21 3 | 1 6 | 0 51 | 1 10 | 22 49 | 0 25 | 15 44 | 0 17 | 8 34 | 1 50 | 24 9 | 13 33 | 2 3 | 1 37 | 18 7 | 17 53 | 5 41 |
| W20 | 10 59 | 3n 4 | 1 28 | 14 11 | 1 48 | 20 54 | 0 15 | 20 54 | 1 7 | 0 55 | 1 10 | 22 48 | 0 25 | 15 45 | 0 17 | 8 34 | 1 50 | 24 9 | 13 33 | 2 2 | 1 38 | 18 8 | 17 53 | 5 41 |
| T 21 | 10 38 | 7 11 | 2 37 | 13 30 | 1 47 | 20 44 | 0 11 | 20 46 | 1 7 | 1 0 | 1 10 | 22 48 | 0 25 | 15 45 | 0 17 | 8 35 | 1 50 | 24 8 | 13 33 | 2 2 | 1 39 | 18 8 | 17 53 | 5 41 |
| F 22 | 10 17 | 10 58 | 3 37 | 12 48 | 1 45 | 20 34 | 0 8 | 20 38 | 1 7 | 1 5 | 1 10 | 22 47 | 0 25 | 15 46 | 0 17 | 8 35 | 1 50 | 24 7 | 13 33 | 2 1 | 1 41 | 18 9 | 17 54 | 5 40 |
| S 23 | 9 56 | 14 11 | 4 26 | 12 5 | 1 44 | 20 22 | 0 5 | 20 29 | 1 8 | 1 10 | 1 9 | 22 47 | 0 25 | 15 46 | 0 17 | 8 36 | 1 50 | 24 6 | 13 33 | 2 1 | 1 42 | 18 9 | 17 54 | 5 40 |
| S 24 | 9 34 | 16 36 | 4 59 | 11 22 | 1 41 | 20 10 | 0 1 | 20 21 | 1 8 | 1 15 | 1 9 | 22 47 | 0 25 | 15 47 | 0 17 | 8 37 | 1 50 | 24 6 | 13 34 | 2 1 | 1 43 | 18 9 | 17 54 | 5 40 |
| M25 | 9 12 | 18 1 | 5 15 | 10 37 | 1 38 | 19 58 | 0n 2 | 20 12 | 1 9 | 1 20 | 1 9 | 22 46 | 0 25 | 15 48 | 0 17 | 8 37 | 1 49 | 24 5 | 13 34 | 2 1 | 1 45 | 18 10 | 17 55 | 5 39 |
| T 26 | 8 51 | 18 18 | 5 10 | 9 52 | 1 35 | 19 45 | 0 5 | 20 3 | 1 9 | 1 25 | 1 9 | 22 46 | 0 25 | 15 48 | 0 17 | 8 38 | 1 49 | 24 4 | 13 34 | 2 1 | 1 46 | 18 10 | 17 55 | 5 39 |
| W27 | 8 29 | 17 25 | 4 47 | 9 7 | 1 31 | 19 31 | 0 8 | 19 54 | 1 9 | 1 30 | 1 9 | 22 46 | 0 25 | 15 49 | 0 17 | 8 38 | 1 49 | 24 4 | 13 34 | 2 2 | 1 47 | 18 10 | 17 56 | 5 39 |
| T 28 | 8 7 | 15 26 | 4 6 | 8 21 | 1 27 | 19 17 | 0 12 | 19 45 | 1 10 | 1 35 | 1 9 | 22 45 | 0 24 | 15 50 | 0 17 | 8 39 | 1 49 | 24 3 | 13 34 | 2 3 | 1 48 | 18 11 | 17 56 | 5 38 |
| F 29 | 7 44 | 12 31 | 3 10 | 7 35 | 1 22 | 19 3 | 0 15 | 19 35 | 1 10 | 1 40 | 1 9 | 22 45 | 0 24 | 15 50 | 0 17 | 8 40 | 1 49 | 24 2 | 13 34 | 2 4 | 1 50 | 18 11 | 17 56 | 5 38 |
| S 30 | 7 22 | 8 54 | 2 3 | 6 49 | 1 17 | 18 47 | 0 18 | 19 26 | 1 11 | 1 45 | 1 9 | 22 45 | 0 24 | 15 51 | 0 17 | 8 40 | 1 49 | 24 2 | 13 34 | 2 4 | 1 51 | 18 11 | 17 57 | 5 37 |
| S 31 | 7n 0 | 4n53 | 0s50 | 6n 3 | 1n12 | 18n32 | 0n21 | 19n16 | 1n11 | 1s50 | 1n 9 | 22n44 | 0s24 | 15s51 | 0n17 | 8s41 | 1n49 | 24n 1 | 13n34 | 2n 5 | 1n52 | 18s12 | 17s57 | 5n37 |

Julian Day Number = 2076658.5, Delta T = 26m39s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'07, Lahiri = 9°33'07 Julian Calendar 1 Aug. 973 == Greg. Calendar 6 Aug. 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## SEPTEMBER 973 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 0 42 | 13♍15'19 | 29♍13 | 19♍18 | 9♌53 | 9♌31 | 7♎25 | 10♋43 | 14♏ 2 | 26♎49 | 0♍27 | 24°D48 | 25♍16 | 22♐ 3 | 29♐10 | M 1 |
| T 2 | 23 4 39 | 14°14'06 | 12♎20 | 21° 2 | 11° 5 | 10° 9 | 7°37 | 10°48 | 14° 5 | 26°50 | 0°29 | 24♍48 | 25°13 | 22°10 | 29°10 | T 2 |
| W 3 | 23 8 36 | 15°12'55 | 25° 8 | 22°45 | 12°17 | 10°46 | 7°50 | 10°53 | 14° 7 | 26°52 | 0°31 | 24°49 | 25°10 | 22°16 | 29°11 | W 3 |
| T 4 | 23 12 32 | 16°11'45 | 7♏38 | 24°27 | 13°30 | 11°24 | 8° 3 | 10°57 | 14° 9 | 26°54 | 0°33 | 24°50 | 25° 7 | 22°23 | 29°11 | T 4 |
| F 5 | 23 16 29 | 17°10'38 | 19°53 | 26° 8 | 14°42 | 12° 1 | 8°15 | 11° 2 | 14°12 | 26°56 | 0°35 | 24°51 | 25° 3 | 22°30 | 29°11 | F 5 |
| S 6 | 23 20 25 | 18° 9'32 | 1♐56 | 27°48 | 15°54 | 12°38 | 8°28 | 11° 6 | 14°14 | 26°58 | 0°37 | 24°51 | 25° 0 | 22°36 | 29°12 | S 6 |
| S 7 | 23 24 22 | 19° 8'29 | 13°52 | 29°28 | 17° 7 | 13°16 | 8°40 | 11°11 | 14°16 | 27° 0 | 0°39 | 24°52 | 24°57 | 22°43 | 29°12 | S 7 |
| M 8 | 23 28 18 | 20° 7'27 | 25°45 | 1♑ 6 | 18°20 | 13°53 | 8°53 | 11°15 | 14°19 | 27° 1 | 0°41 | 24°R52 | 24°54 | 22°50 | 29°13 | M 8 |
| T 9 | 23 32 15 | 21° 6'27 | 7♑40 | 2°43 | 19°32 | 14°30 | 9° 6 | 11°20 | 14°22 | 27° 3 | 0°43 | 24°52 | 24°51 | 22°57 | 29°14 | T 9 |
| W10 | 23 36 11 | 22° 5'29 | 19°42 | 4°20 | 20°45 | 15° 8 | 9°18 | 11°24 | 14°24 | 27° 5 | 0°45 | 24°51 | 24°48 | 23° 3 | 29°15 | W10 |
| T 11 | 23 40 8 | 23° 4'32 | 1♒53 | 5°56 | 21°58 | 15°45 | 9°31 | 11°28 | 14°27 | 27° 7 | 0°47 | 24°51 | 24°44 | 23°10 | 29°15 | T 11 |
| F 12 | 23 44 5 | 24° 3'38 | 14°19 | 7°31 | 23°11 | 16°22 | 9°44 | 11°32 | 14°29 | 27° 9 | 0°49 | 24°51 | 24°41 | 23°17 | 29°16 | F 12 |
| S 13 | 23 48 1 | 25° 2'45 | 27° 1 | 9° 5 | 24°24 | 16°59 | 9°57 | 11°36 | 14°32 | 27°11 | 0°51 | 24°D51 | 24°38 | 23°23 | 29°17 | S 13 |
| S 14 | 23 51 58 | 26° 1'54 | 10♓ 1 | 10°38 | 25°37 | 17°36 | 10°10 | 11°40 | 14°35 | 27°13 | 0°53 | 24°51 | 24°35 | 23°30 | 29°19 | S 14 |
| M15 | 23 55 54 | 27° 1'05 | 23°20 | 12°11 | 26°50 | 18°13 | 10°23 | 11°43 | 14°38 | 27°15 | 0°55 | 24°R51 | 24°32 | 23°37 | 29°20 | M15 |
| T 16 | 23 59 51 | 28° 0'19 | 6♈56 | 13°42 | 28° 4 | 18°50 | 10°35 | 11°47 | 14°40 | 27°17 | 0°57 | 24°51 | 24°29 | 23°44 | 29°21 | T 16 |
| W17 | 0 3 47 | 28°59'34 | 20°47 | 15°13 | 29°17 | 19°27 | 10°48 | 11°51 | 14°43 | 27°19 | 0°59 | 24°51 | 24°25 | 23°50 | 29°22 | W17 |
| T 18 | 0 7 44 | 29°58'52 | 4♉51 | 16°43 | 0♍30 | 20° 4 | 11° 1 | 11°54 | 14°46 | 27°21 | 1° 1 | 24°50 | 24°22 | 23°57 | 29°24 | T 18 |
| F 19 | 0 11 40 | 0♎58'12 | 19° 2 | 18°12 | 1°44 | 20°41 | 11°14 | 11°57 | 14°49 | 27°23 | 1° 3 | 24°49 | 24°19 | 24° 4 | 29°25 | F 19 |
| S 20 | 0 15 37 | 1°57'34 | 3♊19 | 19°41 | 2°57 | 21°18 | 11°27 | 12° 1 | 14°52 | 27°25 | 1° 5 | 24°49 | 24°16 | 24°11 | 29°27 | S 20 |
| S 21 | 0 19 33 | 2°56'59 | 17°36 | 21° 9 | 4°11 | 21°55 | 11°40 | 12° 4 | 14°55 | 27°27 | 1° 7 | 24°48 | 24°13 | 24°17 | 29°29 | S 21 |
| M22 | 0 23 30 | 3°56'26 | 1♋50 | 22°36 | 5°25 | 22°32 | 11°53 | 12° 7 | 14°58 | 27°29 | 1° 8 | 24°D48 | 24° 9 | 24°24 | 29°30 | M22 |
| T 23 | 0 27 27 | 4°55'55 | 16° 0 | 24° 2 | 6°38 | 23° 9 | 12° 6 | 12°10 | 15° 1 | 27°31 | 1°10 | 24°48 | 24° 6 | 24°31 | 29°32 | T 23 |
| W24 | 0 31 23 | 5°55'27 | 0♌ 3 | 25°27 | 7°52 | 23°46 | 12°19 | 12°13 | 15° 4 | 27°34 | 1°12 | 24°49 | 24° 3 | 24°37 | 29°34 | W24 |
| T 25 | 0 35 20 | 6°55'02 | 13°57 | 26°51 | 9° 6 | 24°23 | 12°32 | 12°16 | 15° 7 | 27°36 | 1°14 | 24°50 | 24° 0 | 24°44 | 29°36 | T 25 |
| F 26 | 0 39 16 | 7°54'38 | 27°41 | 28°15 | 10°20 | 24°59 | 12°45 | 12°18 | 15°10 | 27°38 | 1°16 | 24°51 | 23°57 | 24°51 | 29°38 | F 26 |
| S 27 | 0 43 13 | 8°54'17 | 11♍14 | 29°37 | 11°34 | 25°36 | 12°59 | 12°21 | 15°13 | 27°40 | 1°17 | 24°52 | 23°54 | 24°58 | 29°40 | S 27 |
| S 28 | 0 47 9 | 9°53'58 | 24°34 | 0♏59 | 12°48 | 26°13 | 13°12 | 12°23 | 15°16 | 27°42 | 1°19 | 24°R52 | 23°50 | 25° 4 | 29°43 | S 28 |
| M29 | 0 51 6 | 10°53'41 | 7♎41 | 2°19 | 14° 2 | 26°49 | 13°25 | 12°26 | 15°20 | 27°44 | 1°21 | 24°52 | 23°47 | 25°11 | 29°45 | M29 |
| T 30 | 0 55 2 | 11♎53'26 | 20♎33 | 3♏39 | 15♍16 | 27♌26 | 13♎38 | 12♋28 | 15♏23 | 27♎46 | 1♍23 | 24♍50 | 23♍44 | 25♐18 | 29♐47 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n37 | 0n41 | 0n24 | 5n17 | 1n 7 | 18n15 | 0n24 | 19n 7 | 1n11 | 1s55 | 1n 9 | 22n44 | 0s24 | 15s52 | 0n17 | 8s42 | 1n49 | 24n 1 | 13n35 | 2n 5 | 1n53 | 18s12 | 17s57 | 5n37 |
| T 2 | 6 14 | 3s26 | 1 36 | 4 30 | 1 1 | 17 58 | 0 27 | 18 57 | 1 12 | 2 0 | 1 9 | 22 44 | 0 24 | 15 53 | 0 17 | 8 42 | 1 49 | 24 0 | 13 35 | 2 4 | 1 55 | 18 12 | 17 58 | 5 36 |
| W 3 | 5 51 | 7 18 | 2 40 | 3 44 | 0 55 | 17 41 | 0 30 | 18 47 | 1 12 | 2 5 | 1 8 | 22 43 | 0 24 | 15 54 | 0 17 | 8 43 | 1 49 | 23 59 | 13 35 | 2 4 | 1 56 | 18 13 | 17 58 | 5 36 |
| T 4 | 5 28 | 10 44 | 3 36 | 2 58 | 0 49 | 17 23 | 0 33 | 18 37 | 1 13 | 2 10 | 1 8 | 22 43 | 0 24 | 15 54 | 0 17 | 8 44 | 1 49 | 23 59 | 13 35 | 2 4 | 1 57 | 18 13 | 17 59 | 5 36 |
| F 5 | 5 5 | 13 38 | 4 20 | 2 12 | 0 43 | 17 5 | 0 36 | 18 27 | 1 13 | 2 15 | 1 8 | 22 43 | 0 24 | 15 55 | 0 17 | 8 44 | 1 49 | 23 58 | 13 35 | 2 3 | 1 58 | 18 13 | 17 59 | 5 35 |
| S 6 | 4 42 | 15 53 | 4 52 | 1 26 | 0 36 | 16 46 | 0 38 | 18 17 | 1 13 | 2 20 | 1 8 | 22 42 | 0 24 | 15 56 | 0 17 | 8 45 | 1 49 | 23 57 | 13 35 | 2 3 | 2 0 | 18 14 | 17 59 | 5 35 |
| S 7 | 4 19 | 17 26 | 5 11 | 0 40 | 0 30 | 16 26 | 0 41 | 18 6 | 1 14 | 2 25 | 1 8 | 22 42 | 0 24 | 15 57 | 0 17 | 8 46 | 1 49 | 23 57 | 13 36 | 2 3 | 2 1 | 18 14 | 18 0 | 5 34 |
| M 8 | 3 56 | 18 13 | 5 17 | 0s 5 | 0 23 | 16 7 | 0 44 | 17 56 | 1 14 | 2 30 | 1 8 | 22 42 | 0 24 | 15 57 | 0 17 | 8 46 | 1 49 | 23 56 | 13 36 | 2 3 | 2 2 | 18 14 | 18 0 | 5 34 |
| T 9 | 3 33 | 18 12 | 5 9 | 0 51 | 0 16 | 15 46 | 0 46 | 17 45 | 1 15 | 2 35 | 1 8 | 22 41 | 0 24 | 15 58 | 0 17 | 8 47 | 1 49 | 23 56 | 13 36 | 2 3 | 2 4 | 18 15 | 18 0 | 5 34 |
| W10 | 3 9 | 17 22 | 4 48 | 1 35 | 0 9 | 15 25 | 0 49 | 17 35 | 1 15 | 2 40 | 1 8 | 22 41 | 0 24 | 15 59 | 0 17 | 8 48 | 1 49 | 23 55 | 13 36 | 2 3 | 2 5 | 18 15 | 18 1 | 5 33 |
| T 11 | 2 46 | 15 44 | 4 13 | 2 20 | 0 2 | 15 4 | 0 51 | 17 24 | 1 15 | 2 45 | 1 8 | 22 41 | 0 24 | 16 0 | 0 17 | 8 49 | 1 49 | 23 55 | 13 36 | 2 3 | 2 6 | 18 15 | 18 1 | 5 33 |
| F 12 | 2 22 | 13 20 | 3 26 | 3 4 | 0s 5 | 14 43 | 0 54 | 17 13 | 1 16 | 2 50 | 1 8 | 22 40 | 0 24 | 16 0 | 0 17 | 8 49 | 1 49 | 23 54 | 13 37 | 2 3 | 2 7 | 18 16 | 18 2 | 5 32 |
| S 13 | 1 59 | 10 15 | 2 28 | 3 48 | 0 12 | 14 20 | 0 56 | 17 2 | 1 16 | 2 55 | 1 8 | 22 40 | 0 24 | 16 1 | 0 17 | 8 50 | 1 49 | 23 54 | 13 37 | 2 3 | 2 9 | 18 16 | 18 2 | 5 32 |
| S 14 | 1 35 | 6 36 | 1 21 | 4 31 | 0 19 | 13 58 | 0 58 | 16 51 | 1 16 | 3 1 | 1 8 | 22 40 | 0 24 | 16 2 | 0 17 | 8 51 | 1 49 | 23 53 | 13 37 | 2 3 | 2 10 | 18 16 | 18 2 | 5 32 |
| M15 | 1 12 | 2 32 | 0 8 | 5 14 | 0 26 | 13 35 | 1 1 | 16 40 | 1 17 | 3 6 | 1 8 | 22 40 | 0 23 | 16 3 | 0 17 | 8 52 | 1 49 | 23 53 | 13 37 | 2 3 | 2 11 | 18 17 | 18 3 | 5 31 |
| T 16 | 0 48 | 1n45 | 1s 7 | 5 57 | 0 33 | 13 12 | 1 3 | 16 29 | 1 17 | 3 11 | 1 8 | 22 39 | 0 23 | 16 4 | 0 17 | 8 52 | 1 49 | 23 52 | 13 38 | 2 3 | 2 12 | 18 17 | 18 3 | 5 31 |
| W17 | 0 24 | 6 1 | 2 19 | 6 39 | 0 40 | 12 48 | 1 5 | 16 18 | 1 18 | 3 16 | 1 7 | 22 39 | 0 23 | 16 5 | 0 17 | 8 53 | 1 49 | 23 52 | 13 38 | 2 4 | 2 14 | 18 17 | 18 4 | 5 31 |
| T 18 | 0 0 | 10 0 | 3 24 | 7 20 | 0 48 | 12 24 | 1 7 | 16 6 | 1 18 | 3 21 | 1 7 | 22 39 | 0 23 | 16 5 | 0 17 | 8 54 | 1 49 | 23 51 | 13 38 | 2 4 | 2 15 | 18 17 | 18 4 | 5 30 |
| F 19 | 0s23 | 13 27 | 4 17 | 8 1 | 0 55 | 12 0 | 1 9 | 15 55 | 1 18 | 3 26 | 1 7 | 22 39 | 0 23 | 16 6 | 0 17 | 8 55 | 1 49 | 23 51 | 13 38 | 2 4 | 2 16 | 18 18 | 18 4 | 5 30 |
| S 20 | 0 47 | 16 6 | 4 55 | 8 41 | 1 2 | 11 35 | 1 11 | 15 43 | 1 19 | 3 31 | 1 7 | 22 38 | 0 23 | 16 7 | 0 17 | 8 55 | 1 49 | 23 50 | 13 39 | 2 4 | 2 17 | 18 18 | 18 5 | 5 29 |
| S 21 | 1 11 | 17 46 | 5 14 | 9 21 | 1 9 | 11 10 | 1 13 | 15 31 | 1 19 | 3 36 | 1 7 | 22 38 | 0 23 | 16 8 | 0 17 | 8 56 | 1 49 | 23 50 | 13 39 | 2 5 | 2 19 | 18 18 | 18 5 | 5 29 |
| M22 | 1 34 | 18 19 | 5 14 | 10 0 | 1 16 | 10 44 | 1 15 | 15 20 | 1 19 | 3 42 | 1 7 | 22 38 | 0 23 | 16 9 | 0 17 | 8 57 | 1 49 | 23 49 | 13 39 | 2 5 | 2 20 | 18 19 | 18 5 | 5 29 |
| T 23 | 1 58 | 17 43 | 4 55 | 10 39 | 1 22 | 10 18 | 1 16 | 15 8 | 1 20 | 3 47 | 1 7 | 22 38 | 0 23 | 16 10 | 0 16 | 8 58 | 1 48 | 23 49 | 13 39 | 2 5 | 2 21 | 18 19 | 18 6 | 5 28 |
| W24 | 2 22 | 16 2 | 4 19 | 11 17 | 1 29 | 9 52 | 1 18 | 14 56 | 1 20 | 3 52 | 1 7 | 22 37 | 0 23 | 16 11 | 0 16 | 8 58 | 1 48 | 23 49 | 13 40 | 2 4 | 2 23 | 18 19 | 18 6 | 5 28 |
| T 25 | 2 46 | 13 25 | 3 28 | 11 54 | 1 36 | 9 26 | 1 20 | 14 44 | 1 21 | 3 57 | 1 7 | 22 37 | 0 23 | 16 12 | 0 16 | 8 59 | 1 48 | 23 48 | 13 40 | 2 4 | 2 24 | 18 19 | 18 7 | 5 28 |
| F 26 | 3 9 | 10 5 | 2 25 | 12 30 | 1 42 | 8 59 | 1 21 | 14 32 | 1 21 | 4 2 | 1 7 | 22 37 | 0 23 | 16 13 | 0 16 | 9 0 | 1 48 | 23 48 | 13 40 | 2 4 | 2 25 | 18 20 | 18 7 | 5 27 |
| S 27 | 3 33 | 6 14 | 1 15 | 13 5 | 1 49 | 8 32 | 1 23 | 14 20 | 1 21 | 4 7 | 1 7 | 22 37 | 0 23 | 16 14 | 0 16 | 9 1 | 1 48 | 23 47 | 13 41 | 2 3 | 2 26 | 18 20 | 18 7 | 5 27 |
| S 28 | 3 57 | 2 9 | 0 2 | 13 40 | 1 55 | 8 5 | 1 24 | 14 8 | 1 22 | 4 12 | 1 7 | 22 37 | 0 23 | 16 15 | 0 16 | 9 2 | 1 48 | 23 47 | 13 41 | 2 3 | 2 28 | 18 20 | 18 8 | 5 26 |
| M29 | 4 20 | 1s59 | 1n10 | 14 14 | 2 1 | 7 38 | 1 25 | 13 55 | 1 22 | 4 18 | 1 7 | 22 37 | 0 23 | 16 16 | 0 16 | 9 2 | 1 48 | 23 47 | 13 41 | 2 3 | 2 29 | 18 20 | 18 8 | 5 26 |
| T 30 | 4s44 | 5s57 | 2n17 | 14s47 | 2s 7 | 7n10 | 1n26 | 13n43 | 1n22 | 4s23 | 1n 7 | 22n36 | 0s23 | 16s17 | 0n16 | 9s 3 | 1n48 | 23n46 | 13n42 | 2n 4 | 2n30 | 18s21 | 18s 8 | 5n26 |

Julian Day Number = 2076689.5, Delta T = 26m39s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'11, Lahiri = 9°33'11 Julian Calendar 1 Sept. 973 == Greg. Calendar 6 Sept. 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## OCTOBER 973 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 58 59 | 12♎53'13 | 3♏11 | 4♏57 | 16♍30 | 28♌ 2 | 13♎51 | 12♋30 | 15♏26 | 27♎49 | 1♍24 | 24°R48 | 23♍41 | 25♐25 | 29♐50 | W 1 |
| T 2 | 1 2 56 | 13°53'02 | 15°36 | 6°14 | 17°44 | 28°39 | 14° 4 | 12°32 | 15°29 | 27°51 | 1°26 | 24♍45 | 23°38 | 25°31 | 29°52 | T 2 |
| F 3 | 1 6 52 | 14°52'53 | 27°48 | 7°30 | 18°58 | 29°16 | 14°17 | 12°34 | 15°33 | 27°53 | 1°28 | 24°42 | 23°34 | 25°38 | 29°55 | F 3 |
| S 4 | 1 10 49 | 15°52'46 | 9♐50 | 8°44 | 20°13 | 29°52 | 14°30 | 12°36 | 15°36 | 27°55 | 1°29 | 24°39 | 23°31 | 25°45 | 29°57 | S 4 |
| S 5 | 1 14 45 | 16°52'40 | 21°45 | 9°56 | 21°27 | 0♍28 | 14°43 | 12°37 | 15°39 | 27°57 | 1°31 | 24°36 | 23°28 | 25°51 | 0♑ 0 | S 5 |
| M 6 | 1 18 42 | 17°52'37 | 3♑38 | 11° 7 | 22°41 | 1° 5 | 14°56 | 12°39 | 15°43 | 28° 0 | 1°33 | 24°34 | 23°25 | 25°58 | 0° 3 | M 6 |
| T 7 | 1 22 38 | 18°52'35 | 15°31 | 12°16 | 23°56 | 1°41 | 15°10 | 12°41 | 15°46 | 28° 2 | 1°34 | 24°D33 | 23°22 | 26° 5 | 0° 6 | T 7 |
| W 8 | 1 26 35 | 19°52'35 | 27°30 | 13°23 | 25°10 | 2°17 | 15°23 | 12°42 | 15°50 | 28° 4 | 1°36 | 24°33 | 23°19 | 26°12 | 0° 9 | W 8 |
| T 9 | 1 30 31 | 20°52'36 | 9♒40 | 14°27 | 26°25 | 2°54 | 15°36 | 12°43 | 15°53 | 28° 6 | 1°37 | 24°34 | 23°15 | 26°18 | 0°12 | T 9 |
| F 10 | 1 34 28 | 21°52'39 | 22° 5 | 15°29 | 27°39 | 3°30 | 15°49 | 12°44 | 15°56 | 28° 9 | 1°39 | 24°36 | 23°12 | 26°25 | 0°15 | F 10 |
| S 11 | 1 38 25 | 22°52'44 | 4♓49 | 16°28 | 28°54 | 4° 6 | 16° 2 | 12°45 | 16° 0 | 28°11 | 1°40 | 24°38 | 23° 9 | 26°32 | 0°18 | S 11 |
| S 12 | 1 42 21 | 23°52'50 | 17°56 | 17°24 | 0♎ 8 | 4°42 | 16°15 | 12°46 | 16° 3 | 28°13 | 1°42 | 24°R39 | 23° 6 | 26°38 | 0°21 | S 12 |
| M13 | 1 46 18 | 24°52'58 | 1♈28 | 18°16 | 1°23 | 5°18 | 16°28 | 12°47 | 16° 7 | 28°15 | 1°43 | 24°39 | 23° 3 | 26°45 | 0°24 | M13 |
| T 14 | 1 50 14 | 25°53'08 | 15°23 | 19° 4 | 2°38 | 5°54 | 16°41 | 12°48 | 16°10 | 28°18 | 1°44 | 24°37 | 23° 0 | 26°52 | 0°28 | T 14 |
| W15 | 1 54 11 | 26°53'19 | 29°39 | 19°48 | 3°53 | 6°31 | 16°54 | 12°48 | 16°14 | 28°20 | 1°46 | 24°34 | 22°56 | 26°59 | 0°31 | W15 |
| T 16 | 1 58 7 | 27°53'33 | 14♉11 | 20°26 | 5° 7 | 7° 7 | 17° 7 | 12°49 | 16°18 | 28°22 | 1°47 | 24°30 | 22°53 | 27° 5 | 0°34 | T 16 |
| F 17 | 2 2 4 | 28°53'48 | 28°52 | 20°59 | 6°22 | 7°42 | 17°20 | 12°49 | 16°21 | 28°24 | 1°49 | 24°25 | 22°50 | 27°12 | 0°38 | F 17 |
| S 18 | 2 6 0 | 29°54'06 | 13♊36 | 21°26 | 7°37 | 8°18 | 17°33 | 12°50 | 16°25 | 28°27 | 1°50 | 24°19 | 22°47 | 27°19 | 0°42 | S 18 |
| S 19 | 2 9 57 | 0♏54'25 | 28°14 | 21°46 | 8°52 | 8°54 | 17°46 | 12°50 | 16°28 | 28°29 | 1°51 | 24°15 | 22°44 | 27°26 | 0°45 | S 19 |
| M20 | 2 13 53 | 1°54'47 | 12♋42 | 21°58 | 10° 7 | 9°30 | 17°59 | 12°R50 | 16°32 | 28°31 | 1°52 | 24°12 | 22°40 | 27°32 | 0°49 | M20 |
| T 21 | 2 17 50 | 2°55'10 | 26°54 | 22°R 2 | 11°22 | 10° 6 | 18°12 | 12°50 | 16°36 | 28°33 | 1°54 | 24°D10 | 22°37 | 27°39 | 0°53 | T 21 |
| W22 | 2 21 47 | 3°55'35 | 10♌50 | 21°57 | 12°37 | 10°42 | 18°25 | 12°49 | 16°39 | 28°36 | 1°55 | 24°10 | 22°34 | 27°46 | 0°56 | W22 |
| T 23 | 2 25 43 | 4°56'03 | 24°30 | 21°43 | 13°52 | 11°17 | 18°38 | 12°49 | 16°43 | 28°38 | 1°56 | 24°11 | 22°31 | 27°52 | 1° 0 | T 23 |
| F 24 | 2 29 40 | 5°56'32 | 7♍54 | 21°18 | 15° 7 | 11°53 | 18°50 | 12°49 | 16°46 | 28°40 | 1°57 | 24°13 | 22°28 | 27°59 | 1° 4 | F 24 |
| S 25 | 2 33 36 | 6°57'03 | 21° 3 | 20°44 | 16°22 | 12°29 | 19° 3 | 12°48 | 16°50 | 28°42 | 1°58 | 24°R14 | 22°25 | 28° 6 | 1° 8 | S 25 |
| S 26 | 2 37 33 | 7°57'36 | 3♎59 | 19°59 | 17°37 | 13° 4 | 19°16 | 12°48 | 16°54 | 28°45 | 1°59 | 24°13 | 22°21 | 28°13 | 1°12 | S 26 |
| M27 | 2 41 29 | 8°58'11 | 16°44 | 19° 4 | 18°52 | 13°40 | 19°29 | 12°47 | 16°58 | 28°47 | 2° 1 | 24°11 | 22°18 | 28°19 | 1°16 | M27 |
| T 28 | 2 45 26 | 9°58'47 | 29°18 | 18° 1 | 20° 7 | 14°15 | 19°42 | 12°46 | 17° 1 | 28°49 | 2° 2 | 24° 6 | 22°15 | 28°26 | 1°21 | T 28 |
| W29 | 2 49 22 | 10°59'26 | 11♏42 | 16°50 | 21°22 | 14°51 | 19°54 | 12°45 | 17° 5 | 28°51 | 2° 3 | 23°59 | 22°12 | 28°33 | 1°25 | W29 |
| T 30 | 2 53 19 | 12° 0'05 | 23°57 | 15°32 | 22°37 | 15°26 | 20° 7 | 12°44 | 17° 9 | 28°53 | 2° 4 | 23°50 | 22° 9 | 28°39 | 1°29 | T 30 |
| F 31 | 2 57 16 | 13♏ 0'46 | 6♐ 3 | 14♏12 | 23♎52 | 16♍ 1 | 20♎20 | 12♋43 | 17♏12 | 28♎56 | 2♍ 4 | 23♍40 | 22♍ 5 | 28♐46 | 1♑33 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s 7 | 9s34 | 3n16 | 15s19 | 2s12 | 6n42 | 1n28 | 13n31 | 1n23 | 4s28 | 1n 7 | 22n36 | 0s23 | 16s17 | 0n16 | 9s 4 | 1n48 | 23n46 | 13n42 | 2n 5 | 2n31 | 18s21 | 18s 9 | 5n25 |
| T 2 | 5 30 | 12 42 | 4 4 | 15 50 | 2 18 | 6 14 | 1 29 | 13 18 | 1 23 | 4 33 | 1 7 | 22 36 | 0 23 | 16 18 | 0 16 | 9 5 | 1 48 | 23 46 | 13 42 | 2 6 | 2 33 | 18 21 | 18 9 | 5 25 |
| F 3 | 5 54 | 15 13 | 4 41 | 16 20 | 2 23 | 5 46 | 1 30 | 13 6 | 1 24 | 4 38 | 1 7 | 22 36 | 0 22 | 16 19 | 0 16 | 9 6 | 1 48 | 23 45 | 13 43 | 2 7 | 2 34 | 18 21 | 18 9 | 5 25 |
| S 4 | 6 17 | 17 2 | 5 4 | 16 49 | 2 28 | 5 17 | 1 31 | 12 53 | 1 24 | 4 43 | 1 7 | 22 36 | 0 22 | 16 20 | 0 16 | 9 6 | 1 48 | 23 45 | 13 43 | 2 8 | 2 35 | 18 22 | 18 10 | 5 24 |
| S 5 | 6 40 | 18 5 | 5 14 | 17 17 | 2 32 | 4 48 | 1 31 | 12 41 | 1 24 | 4 48 | 1 7 | 22 36 | 0 22 | 16 21 | 0 16 | 9 7 | 1 48 | 23 45 | 13 43 | 2 9 | 2 36 | 18 22 | 18 10 | 5 24 |
| M 6 | 7 3 | 18 21 | 5 10 | 17 44 | 2 37 | 4 20 | 1 32 | 12 28 | 1 25 | 4 53 | 1 7 | 22 36 | 0 22 | 16 22 | 0 16 | 9 8 | 1 48 | 23 45 | 13 44 | 2 10 | 2 38 | 18 22 | 18 11 | 5 24 |
| T 7 | 7 26 | 17 48 | 4 54 | 18 9 | 2 40 | 3 51 | 1 33 | 12 15 | 1 25 | 4 58 | 1 7 | 22 36 | 0 22 | 16 23 | 0 16 | 9 9 | 1 48 | 23 44 | 13 44 | 2 11 | 2 39 | 18 22 | 18 11 | 5 23 |
| W 8 | 7 49 | 16 27 | 4 24 | 18 33 | 2 44 | 3 21 | 1 33 | 12 2 | 1 25 | 5 4 | 1 7 | 22 35 | 0 22 | 16 24 | 0 16 | 9 10 | 1 48 | 23 44 | 13 45 | 2 10 | 2 40 | 18 23 | 18 11 | 5 23 |
| T 9 | 8 12 | 14 21 | 3 42 | 18 55 | 2 47 | 2 52 | 1 34 | 11 50 | 1 26 | 5 9 | 1 7 | 22 35 | 0 22 | 16 25 | 0 16 | 9 10 | 1 48 | 23 44 | 13 45 | 2 10 | 2 41 | 18 23 | 18 12 | 5 23 |
| F 10 | 8 34 | 11 33 | 2 49 | 19 16 | 2 49 | 2 23 | 1 34 | 11 37 | 1 26 | 5 14 | 1 7 | 22 35 | 0 22 | 16 26 | 0 16 | 9 11 | 1 48 | 23 44 | 13 45 | 2 9 | 2 43 | 18 23 | 18 12 | 5 22 |
| S 11 | 8 57 | 8 9 | 1 47 | 19 35 | 2 51 | 1 53 | 1 35 | 11 24 | 1 26 | 5 19 | 1 7 | 22 35 | 0 22 | 16 27 | 0 16 | 9 12 | 1 48 | 23 43 | 13 46 | 2 9 | 2 44 | 18 23 | 18 12 | 5 22 |
| S 12 | 9 19 | 4 14 | 0 37 | 19 52 | 2 53 | 1 24 | 1 35 | 11 11 | 1 27 | 5 24 | 1 7 | 22 35 | 0 22 | 16 28 | 0 16 | 9 13 | 1 48 | 23 43 | 13 46 | 2 8 | 2 45 | 18 24 | 18 12 | 5 22 |
| M13 | 9 41 | 0n 1 | 0s37 | 20 8 | 2 53 | 0 54 | 1 35 | 10 58 | 1 27 | 5 29 | 1 7 | 22 35 | 0 22 | 16 30 | 0 16 | 9 14 | 1 48 | 23 43 | 13 46 | 2 8 | 2 47 | 18 24 | 18 13 | 5 21 |
| T 14 | 10 3 | 4 23 | 1 51 | 20 21 | 2 53 | 0 25 | 1 36 | 10 45 | 1 27 | 5 34 | 1 7 | 22 35 | 0 22 | 16 31 | 0 16 | 9 14 | 1 48 | 23 43 | 13 47 | 2 9 | 2 48 | 18 24 | 18 13 | 5 21 |
| W15 | 10 25 | 8 36 | 2 59 | 20 33 | 2 52 | 0s 5 | 1 36 | 10 32 | 1 28 | 5 39 | 1 7 | 22 35 | 0 22 | 16 32 | 0 16 | 9 15 | 1 48 | 23 43 | 13 47 | 2 10 | 2 49 | 18 24 | 18 13 | 5 21 |
| T 16 | 10 47 | 12 24 | 3 58 | 20 41 | 2 50 | 0 35 | 1 36 | 10 19 | 1 28 | 5 44 | 1 7 | 22 35 | 0 22 | 16 33 | 0 16 | 9 16 | 1 48 | 23 43 | 13 48 | 2 12 | 2 50 | 18 24 | 18 14 | 5 20 |
| F 17 | 11 8 | 15 27 | 4 41 | 20 48 | 2 48 | 1 5 | 1 36 | 10 5 | 1 28 | 5 49 | 1 7 | 22 35 | 0 22 | 16 34 | 0 16 | 9 17 | 1 48 | 23 43 | 13 48 | 2 14 | 2 52 | 18 25 | 18 14 | 5 20 |
| S 18 | 11 30 | 17 30 | 5 5 | 20 51 | 2 44 | 1 35 | 1 35 | 9 52 | 1 29 | 5 54 | 1 7 | 22 35 | 0 22 | 16 35 | 0 16 | 9 18 | 1 48 | 23 42 | 13 48 | 2 16 | 2 53 | 18 25 | 18 14 | 5 20 |
| S 19 | 11 51 | 18 23 | 5 10 | 20 51 | 2 39 | 2 4 | 1 35 | 9 39 | 1 29 | 5 59 | 1 7 | 22 35 | 0 22 | 16 36 | 0 16 | 9 18 | 1 48 | 23 42 | 13 49 | 2 18 | 2 54 | 18 25 | 18 15 | 5 20 |
| M20 | 12 12 | 18 4 | 4 55 | 20 49 | 2 32 | 2 34 | 1 35 | 9 26 | 1 30 | 6 4 | 1 7 | 22 35 | 0 21 | 16 37 | 0 16 | 9 19 | 1 48 | 23 42 | 13 49 | 2 19 | 2 55 | 18 25 | 18 15 | 5 19 |
| T 21 | 12 33 | 16 36 | 4 22 | 20 42 | 2 25 | 3 4 | 1 35 | 9 13 | 1 30 | 6 9 | 1 7 | 22 36 | 0 21 | 16 38 | 0 16 | 9 20 | 1 48 | 23 42 | 13 50 | 2 20 | 2 57 | 18 25 | 18 15 | 5 19 |
| W22 | 12 54 | 14 11 | 3 34 | 20 32 | 2 15 | 3 34 | 1 34 | 8 59 | 1 30 | 6 13 | 1 7 | 22 36 | 0 21 | 16 39 | 0 16 | 9 21 | 1 48 | 23 42 | 13 50 | 2 20 | 2 58 | 18 26 | 18 15 | 5 19 |
| T 23 | 13 14 | 11 0 | 2 34 | 20 18 | 2 5 | 4 3 | 1 34 | 8 46 | 1 31 | 6 18 | 1 7 | 22 36 | 0 21 | 16 40 | 0 16 | 9 22 | 1 48 | 23 42 | 13 51 | 2 19 | 2 59 | 18 26 | 18 16 | 5 18 |
| F 24 | 13 34 | 7 18 | 1 27 | 19 59 | 1 52 | 4 33 | 1 33 | 8 33 | 1 31 | 6 23 | 1 7 | 22 36 | 0 21 | 16 41 | 0 16 | 9 22 | 1 48 | 23 42 | 13 51 | 2 19 | 3 0 | 18 26 | 18 16 | 5 18 |
| S 25 | 13 55 | 3 18 | 0 17 | 19 36 | 1 38 | 5 3 | 1 33 | 8 19 | 1 31 | 6 28 | 1 7 | 22 36 | 0 21 | 16 42 | 0 16 | 9 23 | 1 48 | 23 42 | 13 52 | 2 18 | 3 2 | 18 26 | 18 16 | 5 18 |
| S 26 | 14 14 | 0s47 | 0n53 | 19 9 | 1 22 | 5 32 | 1 32 | 8 6 | 1 32 | 6 33 | 1 7 | 22 36 | 0 21 | 16 43 | 0 16 | 9 24 | 1 48 | 23 42 | 13 52 | 2 19 | 3 3 | 18 26 | 18 16 | 5 18 |
| M27 | 14 34 | 4 47 | 1 59 | 18 38 | 1 5 | 6 1 | 1 31 | 7 52 | 1 32 | 6 38 | 1 7 | 22 36 | 0 21 | 16 44 | 0 16 | 9 25 | 1 48 | 23 42 | 13 52 | 2 19 | 3 4 | 18 27 | 18 16 | 5 17 |
| T 28 | 14 53 | 8 31 | 2 58 | 18 2 | 0 46 | 6 31 | 1 30 | 7 39 | 1 32 | 6 42 | 1 7 | 22 36 | 0 21 | 16 45 | 0 16 | 9 26 | 1 48 | 23 42 | 13 53 | 2 21 | 3 5 | 18 27 | 18 17 | 5 17 |
| W29 | 15 12 | 11 49 | 3 48 | 17 23 | 0 27 | 7 0 | 1 29 | 7 25 | 1 33 | 6 47 | 1 7 | 22 37 | 0 21 | 16 46 | 0 16 | 9 26 | 1 48 | 23 42 | 13 53 | 2 24 | 3 7 | 18 27 | 18 17 | 5 17 |
| T 30 | 15 31 | 14 34 | 4 26 | 16 41 | 0 6 | 7 29 | 1 28 | 7 12 | 1 33 | 6 52 | 1 7 | 22 37 | 0 21 | 16 47 | 0 16 | 9 27 | 1 48 | 23 42 | 13 54 | 2 28 | 3 8 | 18 27 | 18 17 | 5 17 |
| F 31 | 15s50 | 16s39 | 4n52 | 15s57 | 0n14 | 7s58 | 1n27 | 6n58 | 1n33 | 6s57 | 1n 7 | 22n37 | 0s21 | 16s48 | 0n16 | 9s28 | 1n48 | 23n42 | 13n54 | 2n32 | 3n 9 | 18s27 | 18s17 | 5n16 |

Julian Day Number = 2076719.5, Delta T = 26m38s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'15, Lahiri = 9°33'15 Julian Calendar 1 Oct. 973 == Greg. Calendar 6 Oct. 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## NOVEMBER 973 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 1 12 | 14♏ 1'29 | 18♐ 2 | 12°R50 | 25♎ 8 | 16♍37 | 20♎32 | 12°R41 | 17♏16 | 28♎58 | 2♍ 5 | 23°R30 | 22♍ 2 | 28♐53 | 1♉38 | S 1 |
| S 2 | 3 5 9 | 15° 2'12 | 29°55 | 11♏30 | 26°23 | 17°12 | 20°45 | 12♋40 | 17°20 | 29° 0 | 2° 6 | 23♍21 | 21°59 | 29° 0 | 1°42 | S 2 |
| M 3 | 3 9 5 | 16° 2'57 | 11♉45 | 10°15 | 27°38 | 17°47 | 20°57 | 12°38 | 17°23 | 29° 2 | 2° 7 | 23°13 | 21°56 | 29° 6 | 1°47 | M 3 |
| T 4 | 3 13 2 | 17° 3'43 | 23°37 | 9° 6 | 28°53 | 18°22 | 21°10 | 12°37 | 17°27 | 29° 4 | 2° 8 | 23° 8 | 21°53 | 29°13 | 1°51 | T 4 |
| W 5 | 3 16 58 | 18° 4'30 | 5♒32 | 8° 7 | 0♏ 9 | 18°57 | 21°22 | 12°35 | 17°31 | 29° 7 | 2° 9 | 23° 5 | 21°50 | 29°20 | 1°56 | W 5 |
| T 6 | 3 20 55 | 19° 5'19 | 17°38 | 7°17 | 1°24 | 19°32 | 21°34 | 12°33 | 17°35 | 29° 9 | 2°10 | 23°D 4 | 21°46 | 29°27 | 2° 0 | T 6 |
| F 7 | 3 24 51 | 20° 6'08 | 29°58 | 6°39 | 2°39 | 20° 7 | 21°47 | 12°31 | 17°38 | 29°11 | 2°10 | 23° 4 | 21°43 | 29°33 | 2° 5 | F 7 |
| S 8 | 3 28 48 | 21° 6'58 | 12♓37 | 6°12 | 3°55 | 20°42 | 21°59 | 12°29 | 17°42 | 29°13 | 2°11 | 23° 5 | 21°40 | 29°40 | 2°10 | S 8 |
| S 9 | 3 32 45 | 22° 7'49 | 25°41 | 5°57 | 5°10 | 21°17 | 22°11 | 12°27 | 17°46 | 29°15 | 2°12 | 23°R 6 | 21°37 | 29°47 | 2°14 | S 9 |
| M10 | 3 36 41 | 23° 8'41 | 9♈13 | 5°D52 | 6°25 | 21°51 | 22°23 | 12°25 | 17°49 | 29°17 | 2°12 | 23° 4 | 21°34 | 29°53 | 2°19 | M10 |
| T 11 | 3 40 38 | 24° 9'34 | 23°13 | 5°59 | 7°41 | 22°26 | 22°36 | 12°22 | 17°53 | 29°19 | 2°13 | 23° 1 | 21°31 | 0♉ 0 | 2°24 | T 11 |
| W12 | 3 44 34 | 25°10'28 | 7♉42 | 6°15 | 8°56 | 23° 1 | 22°48 | 12°20 | 17°57 | 29°21 | 2°14 | 22°55 | 21°27 | 0° 7 | 2°29 | W12 |
| T 13 | 3 48 31 | 26°11'23 | 22°32 | 6°41 | 10°11 | 23°35 | 23° 0 | 12°17 | 18° 0 | 29°23 | 2°14 | 22°46 | 21°24 | 0°14 | 2°34 | T 13 |
| F 14 | 3 52 27 | 27°12'19 | 7♊38 | 7°14 | 11°27 | 24°10 | 23°12 | 12°15 | 18° 4 | 29°25 | 2°15 | 22°36 | 21°21 | 0°20 | 2°39 | F 14 |
| S 15 | 3 56 24 | 28°13'16 | 22°48 | 7°55 | 12°42 | 24°44 | 23°24 | 12°12 | 18° 8 | 29°27 | 2°15 | 22°26 | 21°18 | 0°27 | 2°44 | S 15 |
| S 16 | 4 0 20 | 29°14'14 | 7♋52 | 8°42 | 13°58 | 25°19 | 23°35 | 12° 9 | 18°11 | 29°30 | 2°16 | 22°17 | 21°15 | 0°34 | 2°49 | S 16 |
| M17 | 4 4 17 | 0♐15'14 | 22°40 | 9°34 | 15°13 | 25°53 | 23°47 | 12° 6 | 18°15 | 29°32 | 2°16 | 22° 9 | 21°11 | 0°41 | 2°54 | M17 |
| T 18 | 4 8 14 | 1°16'14 | 7♌ 8 | 10°32 | 16°28 | 26°27 | 23°59 | 12° 3 | 18°19 | 29°34 | 2°16 | 22° 5 | 21° 8 | 0°47 | 2°59 | T 18 |
| W19 | 4 12 10 | 2°17'16 | 21°11 | 11°34 | 17°44 | 27° 1 | 24°11 | 12° 0 | 18°22 | 29°35 | 2°17 | 22° 2 | 21° 5 | 0°54 | 3° 4 | W19 |
| T 20 | 4 16 7 | 3°18'19 | 4♍49 | 12°40 | 18°59 | 27°36 | 24°22 | 11°57 | 18°26 | 29°37 | 2°17 | 22°D 2 | 21° 2 | 1° 1 | 3° 9 | T 20 |
| F 21 | 4 20 3 | 4°19'23 | 18° 6 | 13°49 | 20°15 | 28°10 | 24°34 | 11°53 | 18°30 | 29°39 | 2°17 | 22°R 2 | 20°59 | 1° 7 | 3°14 | F 21 |
| S 22 | 4 24 0 | 5°20'28 | 1♎ 2 | 15° 1 | 21°30 | 28°44 | 24°45 | 11°50 | 18°33 | 29°41 | 2°18 | 22° 2 | 20°56 | 1°14 | 3°19 | S 22 |
| S 23 | 4 27 56 | 6°21'34 | 13°43 | 16°15 | 22°46 | 29°18 | 24°57 | 11°46 | 18°37 | 29°43 | 2°18 | 22° 0 | 20°52 | 1°21 | 3°24 | S 23 |
| M24 | 4 31 53 | 7°22'41 | 26°12 | 17°32 | 24° 1 | 29°51 | 25° 8 | 11°43 | 18°40 | 29°45 | 2°18 | 21°55 | 20°49 | 1°28 | 3°30 | M24 |
| T 25 | 4 35 49 | 8°23'49 | 8♏30 | 18°50 | 25°17 | 0♎25 | 25°19 | 11°39 | 18°44 | 29°47 | 2°18 | 21°48 | 20°46 | 1°34 | 3°35 | T 25 |
| W26 | 4 39 46 | 9°24'57 | 20°40 | 20°10 | 26°32 | 0°59 | 25°30 | 11°35 | 18°47 | 29°49 | 2°18 | 21°37 | 20°43 | 1°41 | 3°40 | W26 |
| T 27 | 4 43 43 | 10°26'07 | 2♐44 | 21°32 | 27°48 | 1°32 | 25°41 | 11°32 | 18°51 | 29°51 | 2°18 | 21°24 | 20°40 | 1°48 | 3°46 | T 27 |
| F 28 | 4 47 39 | 11°27'17 | 14°43 | 22°55 | 29° 3 | 2° 6 | 25°52 | 11°28 | 18°54 | 29°52 | 2°18 | 21° 9 | 20°37 | 1°54 | 3°51 | F 28 |
| S 29 | 4 51 36 | 12°28'27 | 26°38 | 24°18 | 0♐19 | 2°39 | 26° 3 | 11°24 | 18°58 | 29°54 | 2°R18 | 20°54 | 20°33 | 2° 1 | 3°56 | S 29 |
| S 30 | 4 55 32 | 13♐29'38 | 8♑29 | 25♏43 | 1♐34 | 3♎13 | 26♎14 | 11♋20 | 19♏ 1 | 29♎56 | 2♍18 | 20♍40 | 20♍30 | 2♑ 8 | 4♑ 2 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s 8 | 17s58 | 5n 5 | 15s13 | 0n35 | 8s26 | 1n26 | 6n45 | 1n34 | 7s 1 | 1n 7 | 22n37 | 0s21 | 16s49 | 0n16 | 9s29 | 1n48 | 23n42 | 13n55 | 2n36 | 3n10 | 18s27 | 18s17 | 5n16 |
| S 2 | 16 26 | 18 30 | 5 4 | 14 30 | 0 55 | 8 55 | 1 25 | 6 32 | 1 34 | 7 6 | 1 7 | 22 37 | 0 21 | 16 51 | 0 16 | 9 29 | 1 48 | 23 43 | 13 55 | 2 39 | 3 12 | 18 28 | 18 18 | 5 16 |
| M 3 | 16 44 | 18 14 | 4 50 | 13 49 | 1 13 | 9 23 | 1 24 | 6 18 | 1 34 | 7 11 | 1 7 | 22 37 | 0 21 | 16 52 | 0 16 | 9 30 | 1 48 | 23 43 | 13 56 | 2 42 | 3 13 | 18 28 | 18 18 | 5 16 |
| T 4 | 17 1 | 17 9 | 4 24 | 13 11 | 1 30 | 9 51 | 1 23 | 6 5 | 1 35 | 7 15 | 1 7 | 22 38 | 0 20 | 16 53 | 0 16 | 9 31 | 1 48 | 23 43 | 13 56 | 2 44 | 3 14 | 18 28 | 18 18 | 5 15 |
| W 5 | 17 18 | 15 20 | 3 46 | 12 37 | 1 46 | 10 19 | 1 21 | 5 51 | 1 35 | 7 20 | 1 7 | 22 38 | 0 20 | 16 54 | 0 16 | 9 32 | 1 48 | 23 43 | 13 57 | 2 46 | 3 16 | 18 28 | 18 18 | 5 15 |
| T 6 | 17 35 | 12 48 | 2 58 | 12 9 | 1 59 | 10 46 | 1 20 | 5 38 | 1 35 | 7 25 | 1 8 | 22 38 | 0 20 | 16 55 | 0 16 | 9 32 | 1 48 | 23 43 | 13 57 | 2 46 | 3 17 | 18 28 | 18 18 | 5 15 |
| F 7 | 17 52 | 9 40 | 2 1 | 11 46 | 2 10 | 11 14 | 1 19 | 5 24 | 1 36 | 7 29 | 1 8 | 22 38 | 0 20 | 16 56 | 0 16 | 9 33 | 1 49 | 23 43 | 13 58 | 2 46 | 3 18 | 18 28 | 18 18 | 5 15 |
| S 8 | 18 8 | 6 0 | 0 56 | 11 28 | 2 19 | 11 41 | 1 17 | 5 11 | 1 36 | 7 34 | 1 8 | 22 39 | 0 20 | 16 57 | 0 16 | 9 34 | 1 49 | 23 43 | 13 58 | 2 46 | 3 19 | 18 28 | 18 19 | 5 15 |
| S 9 | 18 24 | 1 56 | 0s14 | 11 17 | 2 26 | 12 8 | 1 16 | 4 57 | 1 36 | 7 38 | 1 8 | 22 39 | 0 20 | 16 58 | 0 16 | 9 35 | 1 49 | 23 44 | 13 59 | 2 45 | 3 21 | 18 29 | 18 19 | 5 14 |
| M10 | 18 40 | 2n22 | 1 25 | 11 11 | 2 31 | 12 34 | 1 14 | 4 44 | 1 37 | 7 43 | 1 8 | 22 39 | 0 20 | 16 59 | 0 16 | 9 35 | 1 49 | 23 44 | 13 59 | 2 46 | 3 22 | 18 29 | 18 19 | 5 14 |
| T 11 | 18 55 | 6 42 | 2 33 | 11 10 | 2 34 | 13 0 | 1 12 | 4 30 | 1 37 | 7 47 | 1 8 | 22 40 | 0 20 | 17 0 | 0 16 | 9 36 | 1 49 | 23 44 | 14 0 | 2 47 | 3 23 | 18 29 | 18 19 | 5 14 |
| W12 | 19 10 | 10 46 | 3 34 | 11 13 | 2 36 | 13 26 | 1 11 | 4 17 | 1 37 | 7 52 | 1 8 | 22 40 | 0 20 | 17 1 | 0 16 | 9 37 | 1 49 | 23 44 | 14 0 | 2 50 | 3 24 | 18 29 | 18 19 | 5 14 |
| T 13 | 19 24 | 14 17 | 4 22 | 11 21 | 2 37 | 13 52 | 1 9 | 4 3 | 1 38 | 7 56 | 1 8 | 22 40 | 0 20 | 17 2 | 0 16 | 9 37 | 1 49 | 23 45 | 14 1 | 2 53 | 3 26 | 18 29 | 18 19 | 5 14 |
| F 14 | 19 38 | 16 53 | 4 53 | 11 33 | 2 36 | 14 17 | 1 7 | 3 50 | 1 38 | 8 0 | 1 8 | 22 41 | 0 20 | 17 3 | 0 16 | 9 38 | 1 49 | 23 45 | 14 1 | 2 57 | 3 27 | 18 29 | 18 19 | 5 13 |
| S 15 | 19 52 | 18 20 | 5 3 | 11 48 | 2 34 | 14 42 | 1 5 | 3 36 | 1 38 | 8 5 | 1 8 | 22 41 | 0 20 | 17 4 | 0 16 | 9 39 | 1 49 | 23 45 | 14 2 | 3 1 | 3 28 | 18 29 | 18 19 | 5 13 |
| S 16 | 20 6 | 18 29 | 4 52 | 12 6 | 2 31 | 15 6 | 1 3 | 3 23 | 1 39 | 8 9 | 1 8 | 22 41 | 0 20 | 17 5 | 0 16 | 9 39 | 1 49 | 23 45 | 14 2 | 3 5 | 3 29 | 18 29 | 18 19 | 5 13 |
| M17 | 20 19 | 17 21 | 4 21 | 12 26 | 2 27 | 15 30 | 1 2 | 3 9 | 1 39 | 8 13 | 1 8 | 22 42 | 0 19 | 17 6 | 0 16 | 9 40 | 1 49 | 23 46 | 14 3 | 3 8 | 3 31 | 18 30 | 18 19 | 5 13 |
| T 18 | 20 32 | 15 8 | 3 35 | 12 48 | 2 23 | 15 54 | 1 0 | 2 56 | 1 39 | 8 18 | 1 8 | 22 42 | 0 19 | 17 7 | 0 16 | 9 41 | 1 49 | 23 46 | 14 3 | 3 10 | 3 32 | 18 30 | 18 19 | 5 13 |
| W19 | 20 44 | 12 3 | 2 36 | 13 12 | 2 18 | 16 17 | 0 58 | 2 43 | 1 40 | 8 22 | 1 8 | 22 42 | 0 19 | 17 8 | 0 16 | 9 41 | 1 49 | 23 46 | 14 4 | 3 10 | 3 33 | 18 30 | 18 19 | 5 13 |
| T 20 | 20 56 | 8 24 | 1 30 | 13 38 | 2 12 | 16 40 | 0 56 | 2 29 | 1 40 | 8 26 | 1 9 | 22 43 | 0 19 | 17 9 | 0 16 | 9 42 | 1 49 | 23 47 | 14 4 | 3 11 | 3 34 | 18 30 | 18 19 | 5 13 |
| F 21 | 21 7 | 4 25 | 0 21 | 14 4 | 2 6 | 17 3 | 0 53 | 2 16 | 1 40 | 8 30 | 1 9 | 22 43 | 0 19 | 17 10 | 0 16 | 9 43 | 1 49 | 23 47 | 14 5 | 3 11 | 3 36 | 18 30 | 18 19 | 5 12 |
| S 22 | 21 19 | 0 19 | 0n48 | 14 31 | 2 0 | 17 25 | 0 51 | 2 3 | 1 41 | 8 34 | 1 9 | 22 43 | 0 19 | 17 11 | 0 16 | 9 43 | 1 49 | 23 47 | 14 5 | 3 11 | 3 37 | 18 30 | 18 19 | 5 12 |
| S 23 | 21 29 | 3s43 | 1 52 | 14 59 | 1 53 | 17 46 | 0 49 | 1 49 | 1 41 | 8 38 | 1 9 | 22 44 | 0 19 | 17 12 | 0 16 | 9 44 | 1 49 | 23 48 | 14 6 | 3 11 | 3 38 | 18 30 | 18 19 | 5 12 |
| M24 | 21 40 | 7 31 | 2 50 | 15 27 | 1 46 | 18 7 | 0 47 | 1 36 | 1 41 | 8 43 | 1 9 | 22 44 | 0 19 | 17 13 | 0 16 | 9 45 | 1 49 | 23 48 | 14 6 | 3 13 | 3 39 | 18 30 | 18 19 | 5 12 |
| T 25 | 21 49 | 10 57 | 3 39 | 15 56 | 1 39 | 18 28 | 0 45 | 1 23 | 1 42 | 8 47 | 1 9 | 22 45 | 0 19 | 17 14 | 0 16 | 9 45 | 1 49 | 23 49 | 14 7 | 3 16 | 3 41 | 18 30 | 18 19 | 5 12 |
| W26 | 21 59 | 13 52 | 4 18 | 16 25 | 1 32 | 18 48 | 0 43 | 1 10 | 1 42 | 8 51 | 1 9 | 22 45 | 0 19 | 17 15 | 0 16 | 9 46 | 1 49 | 23 49 | 14 7 | 3 21 | 3 42 | 18 30 | 18 19 | 5 12 |
| T 27 | 22 8 | 16 10 | 4 44 | 16 53 | 1 24 | 19 7 | 0 40 | 0 57 | 1 42 | 8 55 | 1 9 | 22 45 | 0 19 | 17 16 | 0 16 | 9 47 | 1 49 | 23 49 | 14 8 | 3 26 | 3 43 | 18 31 | 18 19 | 5 12 |
| F 28 | 22 17 | 17 46 | 4 58 | 17 22 | 1 17 | 19 26 | 0 38 | 0 44 | 1 42 | 8 58 | 1 9 | 22 46 | 0 19 | 17 17 | 0 16 | 9 47 | 1 49 | 23 50 | 14 8 | 3 32 | 3 44 | 18 31 | 18 19 | 5 12 |
| S 29 | 22 25 | 18 34 | 4 58 | 17 50 | 1 9 | 19 44 | 0 36 | 0 31 | 1 43 | 9 2 | 1 9 | 22 46 | 0 18 | 17 18 | 0 16 | 9 48 | 1 49 | 23 50 | 14 9 | 3 38 | 3 46 | 18 31 | 18 19 | 5 12 |
| S 30 | 22s33 | 18s33 | 4n45 | 18s17 | 1n 2 | 20s 2 | 0n34 | 0n17 | 1n43 | 9s 6 | 1n 9 | 22n47 | 0s18 | 17s19 | 0n16 | 9s48 | 1n49 | 23n51 | 14n 9 | 3n43 | 3n47 | 18s31 | 18s19 | 5n12 |

Julian Day Number = 2076750.5, Delta T = 26m38s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'19, Lahiri = 9°33'20 Julian Calendar 1 Nov. 973 == Greg. Calendar 6 Nov. 973


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# ASTRODIENST EPHEMERIS for the year 973
# geocentric

## DECEMBER 973 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 59 29 | 14♐30'49 | 20♑20 | 27♏ 9 | 2♐50 | 3♎46 | 26♎25 | 11°R16 | 19♏ 5 | 29♎58 | 2°R18 | 20°R27 | 20♍27 | 2♑15 | 4♑ 7 | M 1 |
| T 2 | 5 3 25 | 15°32'01 | 2♒11 | 28°35 | 4° 5 | 4°19 | 26°36 | 11♋11 | 19° 8 | 29°59 | 2♍18 | 20♍18 | 20°24 | 2°21 | 4°13 | T 2 |
| W 3 | 5 7 22 | 16°33'12 | 14° 7 | 0♐ 2 | 5°21 | 4°52 | 26°46 | 11° 7 | 19°12 | 0♏ 1 | 2°18 | 20°12 | 20°21 | 2°28 | 4°18 | W 3 |
| T 4 | 5 11 19 | 17°34'24 | 26°10 | 1°30 | 6°36 | 5°25 | 26°57 | 11° 3 | 19°15 | 0° 3 | 2°18 | 20° 8 | 20°17 | 2°35 | 4°24 | T 4 |
| F 5 | 5 15 15 | 18°35'36 | 8♓26 | 2°58 | 7°51 | 5°58 | 27° 7 | 10°59 | 19°19 | 0° 4 | 2°18 | 20° 7 | 20°14 | 2°41 | 4°29 | F 5 |
| S 6 | 5 19 12 | 19°36'47 | 21° 0 | 4°27 | 9° 7 | 6°31 | 27°17 | 10°54 | 19°22 | 0° 6 | 2°18 | 20° 7 | 20°11 | 2°48 | 4°35 | S 6 |
| S 7 | 5 23 8 | 20°37'59 | 3♈56 | 5°56 | 10°22 | 7° 4 | 27°28 | 10°50 | 19°25 | 0° 8 | 2°18 | 20° 6 | 20° 8 | 2°55 | 4°40 | S 7 |
| M 8 | 5 27 5 | 21°39'11 | 17°19 | 7°26 | 11°38 | 7°36 | 27°38 | 10°45 | 19°28 | 0° 9 | 2°17 | 20° 5 | 20° 5 | 3° 2 | 4°46 | M 8 |
| T 9 | 5 31 1 | 22°40'22 | 1♉12 | 8°56 | 12°53 | 8° 9 | 27°48 | 10°41 | 19°32 | 0°11 | 2°17 | 20° 1 | 20° 2 | 3° 8 | 4°51 | T 9 |
| W10 | 5 34 58 | 23°41'33 | 15°35 | 10°26 | 14° 9 | 8°41 | 27°58 | 10°36 | 19°35 | 0°12 | 2°17 | 19°54 | 19°58 | 3°15 | 4°57 | W10 |
| T 11 | 5 38 54 | 24°42'44 | 0♊26 | 11°57 | 15°24 | 9°14 | 28° 7 | 10°31 | 19°38 | 0°14 | 2°16 | 19°45 | 19°55 | 3°22 | 5° 2 | T 11 |
| F 12 | 5 42 51 | 25°43'55 | 15°37 | 13°28 | 16°40 | 9°46 | 28°17 | 10°27 | 19°41 | 0°15 | 2°16 | 19°34 | 19°52 | 3°29 | 5° 8 | F 12 |
| S 13 | 5 46 48 | 26°45'06 | 0♋59 | 15° 0 | 17°55 | 10°18 | 28°27 | 10°22 | 19°45 | 0°17 | 2°15 | 19°22 | 19°49 | 3°35 | 5°14 | S 13 |
| S 14 | 5 50 44 | 27°46'17 | 16°20 | 16°32 | 19°11 | 10°50 | 28°36 | 10°17 | 19°48 | 0°18 | 2°15 | 19°11 | 19°46 | 3°42 | 5°19 | S 14 |
| M15 | 5 54 41 | 28°47'28 | 1♌27 | 18° 4 | 20°26 | 11°22 | 28°46 | 10°13 | 19°51 | 0°20 | 2°15 | 19° 2 | 19°43 | 3°49 | 5°25 | M15 |
| T 16 | 5 58 37 | 29°48'39 | 16°12 | 19°37 | 21°42 | 11°54 | 28°55 | 10° 8 | 19°54 | 0°21 | 2°14 | 18°56 | 19°39 | 3°55 | 5°31 | T 16 |
| W17 | 6 2 34 | 0♑49'50 | 0♍30 | 21°10 | 22°57 | 12°25 | 29° 4 | 10° 3 | 19°57 | 0°22 | 2°13 | 18°53 | 19°36 | 4° 2 | 5°36 | W17 |
| T 18 | 6 6 30 | 1°51'01 | 14°20 | 22°44 | 24°13 | 12°57 | 29°13 | 9°58 | 20° 0 | 0°24 | 2°13 | 18°D52 | 19°33 | 4° 9 | 5°42 | T 18 |
| F 19 | 6 10 27 | 2°52'12 | 27°41 | 24°18 | 25°28 | 13°28 | 29°22 | 9°53 | 20° 3 | 0°25 | 2°12 | 18°R52 | 19°30 | 4°16 | 5°47 | F 19 |
| S 20 | 6 14 23 | 3°53'23 | 10♎38 | 25°52 | 26°44 | 14° 0 | 29°31 | 9°48 | 20° 6 | 0°26 | 2°12 | 18°52 | 19°27 | 4°22 | 5°53 | S 20 |
| S 21 | 6 18 20 | 4°54'34 | 23°15 | 27°27 | 27°59 | 14°31 | 29°40 | 9°43 | 20° 9 | 0°27 | 2°11 | 18°50 | 19°23 | 4°29 | 5°59 | S 21 |
| M22 | 6 22 17 | 5°55'45 | 5♏36 | 29° 2 | 29°14 | 15° 2 | 29°48 | 9°38 | 20°12 | 0°29 | 2°10 | 18°46 | 19°20 | 4°36 | 6° 4 | M22 |
| T 23 | 6 26 13 | 6°56'56 | 17°45 | 0♑37 | 0♑30 | 15°33 | 29°57 | 9°33 | 20°14 | 0°30 | 2°10 | 18°40 | 19°17 | 4°42 | 6°10 | T 23 |
| W24 | 6 30 10 | 7°58'06 | 29°47 | 2°14 | 1°45 | 16° 4 | 0♏ 5 | 9°28 | 20°17 | 0°31 | 2° 9 | 18°30 | 19°14 | 4°49 | 6°16 | W24 |
| T 25 | 6 34 6 | 8°59'17 | 11♐43 | 3°50 | 3° 1 | 16°34 | 0°14 | 9°24 | 20°20 | 0°32 | 2° 8 | 18°18 | 19°11 | 4°56 | 6°21 | T 25 |
| F 26 | 6 38 3 | 10° 0'26 | 23°36 | 5°27 | 4°16 | 17° 5 | 0°22 | 9°19 | 20°23 | 0°33 | 2° 7 | 18° 5 | 19° 8 | 5° 3 | 6°27 | F 26 |
| S 27 | 6 41 59 | 11° 1'36 | 5♑28 | 7° 5 | 5°32 | 17°35 | 0°30 | 9°14 | 20°25 | 0°34 | 2° 6 | 17°51 | 19° 4 | 5° 9 | 6°32 | S 27 |
| S 28 | 6 45 56 | 12° 2'45 | 17°20 | 8°43 | 6°47 | 18° 5 | 0°37 | 9° 9 | 20°28 | 0°35 | 2° 6 | 17°38 | 19° 1 | 5°16 | 6°38 | S 28 |
| M29 | 6 49 52 | 13° 3'53 | 29°13 | 10°22 | 8° 2 | 18°36 | 0°45 | 9° 4 | 20°31 | 0°36 | 2° 5 | 17°27 | 18°58 | 5°23 | 6°44 | M29 |
| T 30 | 6 53 49 | 14° 5'00 | 11♒ 9 | 12° 1 | 9°18 | 19° 6 | 0°53 | 8°59 | 20°33 | 0°37 | 2° 4 | 17°18 | 18°55 | 5°29 | 6°49 | T 30 |
| W31 | 6 57 46 | 15♑ 6'06 | 23♒10 | 13♑41 | 10♑33 | 19♎35 | 1♏ 0 | 8♋54 | 20♏36 | 0♏38 | 2♍ 3 | 17♍13 | 18♍52 | 5♑36 | 6♑55 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s40 | 17s44 | 4n21 | 18s45 | 0n54 | 20s20 | 0n31 | 0n 4 | 1n43 | 9s10 | 1n10 | 22n47 | 0s18 | 17s20 | 0n16 | 9s49 | 1n49 | 23n51 | 14n10 | 3n48 | 3n48 | 18s31 | 18s19 | 5n11 |
| T 2 | 22 47 | 16 8 | 3 44 | 19 12 | 0 47 | 20 36 | 0 29 | 0s 8 | 1 44 | 9 14 | 1 10 | 22 48 | 0 18 | 17 21 | 0 16 | 9 49 | 1 49 | 23 52 | 14 10 | 3 52 | 3 49 | 18 31 | 18 19 | 5 11 |
| W 3 | 22 53 | 13 51 | 2 58 | 19 38 | 0 39 | 20 52 | 0 27 | 0 21 | 1 44 | 9 17 | 1 10 | 22 48 | 0 18 | 17 22 | 0 16 | 9 50 | 1 49 | 23 52 | 14 11 | 3 54 | 3 51 | 18 31 | 18 19 | 5 11 |
| T 4 | 22 59 | 10 56 | 2 3 | 20 3 | 0 32 | 21 8 | 0 24 | 0 34 | 1 44 | 9 21 | 1 10 | 22 48 | 0 18 | 17 23 | 0 16 | 9 51 | 1 49 | 23 53 | 14 11 | 3 56 | 3 52 | 18 31 | 18 19 | 5 11 |
| F 5 | 23 5 | 7 30 | 1 1 | 20 28 | 0 24 | 21 23 | 0 22 | 0 47 | 1 45 | 9 25 | 1 10 | 22 49 | 0 18 | 17 24 | 0 16 | 9 51 | 1 49 | 23 53 | 14 12 | 3 56 | 3 53 | 18 31 | 18 18 | 5 11 |
| S 6 | 23 10 | 3 40 | 0s 5 | 20 52 | 0 17 | 21 37 | 0 19 | 1 0 | 1 45 | 9 28 | 1 10 | 22 49 | 0 18 | 17 25 | 0 16 | 9 52 | 1 50 | 23 54 | 14 12 | 3 56 | 3 55 | 18 31 | 18 18 | 5 11 |
| S 7 | 23 14 | 0n28 | 1 12 | 21 16 | 0 9 | 21 51 | 0 17 | 1 12 | 1 45 | 9 32 | 1 10 | 22 50 | 0 18 | 17 26 | 0 16 | 9 52 | 1 50 | 23 54 | 14 13 | 3 56 | 3 56 | 18 31 | 18 18 | 5 11 |
| M 8 | 23 18 | 4 42 | 2 18 | 21 38 | 0 2 | 22 4 | 0 14 | 1 25 | 1 46 | 9 36 | 1 10 | 22 50 | 0 18 | 17 26 | 0 16 | 9 53 | 1 50 | 23 55 | 14 13 | 3 57 | 3 57 | 18 31 | 18 18 | 5 11 |
| T 9 | 23 22 | 8 51 | 3 19 | 22 0 | 0s 5 | 22 16 | 0 12 | 1 38 | 1 46 | 9 39 | 1 11 | 22 51 | 0 18 | 17 27 | 0 16 | 9 53 | 1 50 | 23 55 | 14 14 | 3 59 | 3 58 | 18 31 | 18 18 | 5 11 |
| W10 | 23 25 | 12 38 | 4 9 | 22 20 | 0 12 | 22 28 | 0 10 | 1 50 | 1 46 | 9 42 | 1 11 | 22 51 | 0 17 | 17 28 | 0 16 | 9 54 | 1 50 | 23 56 | 14 14 | 4 1 | 4 0 | 18 31 | 18 18 | 5 11 |
| T 11 | 23 28 | 15 44 | 4 44 | 22 40 | 0 19 | 22 39 | 0 7 | 2 3 | 1 46 | 9 46 | 1 11 | 22 52 | 0 17 | 17 29 | 0 16 | 9 54 | 1 50 | 23 57 | 14 15 | 4 5 | 4 1 | 18 31 | 18 17 | 5 11 |
| F 12 | 23 30 | 17 50 | 5 0 | 22 58 | 0 26 | 22 49 | 0 5 | 2 15 | 1 47 | 9 49 | 1 11 | 22 52 | 0 17 | 17 30 | 0 16 | 9 55 | 1 50 | 23 57 | 14 15 | 4 9 | 4 2 | 18 31 | 18 17 | 5 11 |
| S 13 | 23 32 | 18 40 | 4 54 | 23 15 | 0 32 | 22 59 | 0 2 | 2 28 | 1 47 | 9 52 | 1 11 | 22 53 | 0 17 | 17 31 | 0 16 | 9 55 | 1 50 | 23 58 | 14 15 | 4 14 | 4 3 | 18 31 | 18 17 | 5 11 |
| S 14 | 23 33 | 18 8 | 4 28 | 23 32 | 0 39 | 23 8 | 0s 0 | 2 40 | 1 47 | 9 56 | 1 11 | 22 53 | 0 17 | 17 32 | 0 16 | 9 55 | 1 50 | 23 58 | 14 16 | 4 18 | 4 5 | 18 31 | 18 17 | 5 11 |
| M15 | 23 34 | 16 20 | 3 43 | 23 47 | 0 45 | 23 16 | 0 3 | 2 52 | 1 48 | 9 59 | 1 11 | 22 54 | 0 17 | 17 33 | 0 16 | 9 56 | 1 50 | 23 59 | 14 16 | 4 22 | 4 6 | 18 32 | 18 17 | 5 11 |
| T 16 | 23 34 | 13 28 | 2 43 | 24 1 | 0 51 | 23 23 | 0 5 | 3 4 | 1 48 | 10 2 | 1 11 | 22 54 | 0 17 | 17 33 | 0 16 | 9 56 | 1 50 | 24 0 | 14 17 | 4 24 | 4 7 | 18 32 | 18 16 | 5 11 |
| W17 | 23 34 | 9 52 | 1 36 | 24 14 | 0 57 | 23 30 | 0 7 | 3 17 | 1 48 | 10 5 | 1 12 | 22 55 | 0 17 | 17 34 | 0 16 | 9 57 | 1 50 | 24 0 | 14 17 | 4 25 | 4 8 | 18 32 | 18 16 | 5 11 |
| T 18 | 23 33 | 5 50 | 0 24 | 24 25 | 1 3 | 23 36 | 0 10 | 3 29 | 1 48 | 10 8 | 1 12 | 22 55 | 0 17 | 17 35 | 0 16 | 9 57 | 1 50 | 24 1 | 14 18 | 4 26 | 4 10 | 18 32 | 18 16 | 5 11 |
| F 19 | 23 32 | 1 38 | 0n47 | 24 35 | 1 9 | 23 42 | 0 12 | 3 41 | 1 49 | 10 11 | 1 12 | 22 55 | 0 17 | 17 36 | 0 16 | 9 58 | 1 50 | 24 2 | 14 18 | 4 26 | 4 11 | 18 32 | 18 16 | 5 11 |
| S 20 | 23 31 | 2s30 | 1 53 | 24 44 | 1 14 | 23 46 | 0 14 | 3 53 | 1 49 | 10 14 | 1 12 | 22 56 | 0 16 | 17 37 | 0 16 | 9 58 | 1 50 | 24 2 | 14 19 | 4 26 | 4 12 | 18 32 | 18 15 | 5 11 |
| S 21 | 23 29 | 6 26 | 2 51 | 24 52 | 1 19 | 23 50 | 0 17 | 4 4 | 1 49 | 10 17 | 1 12 | 22 56 | 0 16 | 17 37 | 0 16 | 9 58 | 1 50 | 24 3 | 14 19 | 4 26 | 4 13 | 18 32 | 18 15 | 5 11 |
| M22 | 23 26 | 9 59 | 3 41 | 24 58 | 1 24 | 23 53 | 0 19 | 4 16 | 1 50 | 10 20 | 1 12 | 22 57 | 0 16 | 17 38 | 0 16 | 9 59 | 1 50 | 24 4 | 14 20 | 4 28 | 4 15 | 18 32 | 18 15 | 5 11 |
| T 23 | 23 23 | 13 4 | 4 19 | 25 3 | 1 29 | 23 56 | 0 22 | 4 28 | 1 50 | 10 23 | 1 12 | 22 57 | 0 16 | 17 39 | 0 16 | 9 59 | 1 50 | 24 4 | 14 20 | 4 30 | 4 16 | 18 32 | 18 14 | 5 11 |
| W24 | 23 20 | 15 34 | 4 46 | 25 7 | 1 33 | 23 57 | 0 24 | 4 40 | 1 50 | 10 26 | 1 13 | 22 58 | 0 16 | 17 40 | 0 16 | 9 59 | 1 50 | 24 5 | 14 20 | 4 34 | 4 17 | 18 32 | 18 14 | 5 12 |
| T 25 | 23 16 | 17 22 | 4 59 | 25 8 | 1 38 | 23 58 | 0 26 | 4 51 | 1 50 | 10 29 | 1 13 | 22 58 | 0 16 | 17 40 | 0 16 | 10 0 | 1 51 | 24 6 | 14 21 | 4 39 | 4 18 | 18 32 | 18 14 | 5 12 |
| F 26 | 23 11 | 18 25 | 5 0 | 25 9 | 1 42 | 23 58 | 0 28 | 5 3 | 1 51 | 10 31 | 1 13 | 22 59 | 0 16 | 17 41 | 0 16 | 10 0 | 1 51 | 24 6 | 14 21 | 4 44 | 4 20 | 18 32 | 18 13 | 5 12 |
| S 27 | 23 7 | 18 40 | 4 48 | 25 8 | 1 45 | 23 58 | 0 31 | 5 14 | 1 51 | 10 34 | 1 13 | 22 59 | 0 16 | 17 42 | 0 16 | 10 0 | 1 51 | 24 7 | 14 22 | 4 50 | 4 21 | 18 32 | 18 13 | 5 12 |
| S 28 | 23 1 | 18 6 | 4 23 | 25 5 | 1 49 | 23 56 | 0 33 | 5 25 | 1 51 | 10 37 | 1 13 | 23 0 | 0 16 | 17 43 | 0 16 | 10 1 | 1 51 | 24 8 | 14 22 | 4 55 | 4 22 | 18 32 | 18 13 | 5 12 |
| M29 | 22 55 | 16 44 | 3 46 | 25 1 | 1 52 | 23 54 | 0 35 | 5 37 | 1 51 | 10 39 | 1 13 | 23 0 | 0 15 | 17 43 | 0 16 | 10 1 | 1 51 | 24 8 | 14 23 | 4 59 | 4 23 | 18 32 | 18 12 | 5 12 |
| T 30 | 22 49 | 14 39 | 2 59 | 24 55 | 1 55 | 23 52 | 0 37 | 5 48 | 1 52 | 10 42 | 1 14 | 23 1 | 0 15 | 17 44 | 0 16 | 10 1 | 1 51 | 24 9 | 14 23 | 5 2 | 4 25 | 18 32 | 18 12 | 5 12 |
| W31 | 22s43 | 11s55 | 2n 4 | 24s48 | 1s57 | 23s48 | 0s39 | 5s59 | 1n52 | 10s44 | 1n14 | 23n 1 | 0s15 | 17s45 | 0n16 | 10s 1 | 1n51 | 24n10 | 14n23 | 5n 5 | 4n26 | 18s32 | 18s12 | 5n12 |

Julian Day Number = 2076780.5, Delta T = 26m37s
Ecliptic obliquity = 23°34'10, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'23, Lahiri = 9°33'24 Julian Calendar 1 Dec. 973 == Greg. Calendar 6 Dec. 973


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## JANUARY 974 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 1 42 | 16♉ 7'12 | 5♓19 | 15♉21 | 11♉49 | 20♎ 5 | 1♏ 7 | 8°R49 | 20♏38 | 0♏39 | 2°R 2 | 17°R10 | 18♍49 | 5♉43 | 7♉ 0 | T 1 |
| F 2 | 7 5 39 | 17° 8'17 | 17°38 | 17° 2 | 13° 4 | 20°34 | 1°15 | 8♋44 | 20°41 | 0°40 | 2♍ 1 | 17°D 9 | 18°45 | 5°50 | 7° 6 | F 2 |
| S 3 | 7 9 35 | 18° 9'20 | 0♈12 | 18°44 | 14°19 | 21° 4 | 1°22 | 8°39 | 20°43 | 0°40 | 2° 0 | 17♍ 9 | 18°42 | 5°56 | 7°12 | S 3 |
| S 4 | 7 13 32 | 19°10'22 | 13° 4 | 20°26 | 15°35 | 21°33 | 1°29 | 8°34 | 20°46 | 0°41 | 1°59 | 17°R10 | 18°39 | 6° 3 | 7°17 | S 4 |
| M 5 | 7 17 28 | 20°11'23 | 26°20 | 22° 8 | 16°50 | 22° 2 | 1°35 | 8°30 | 20°48 | 0°42 | 1°58 | 17°10 | 18°36 | 6°10 | 7°23 | M 5 |
| T 6 | 7 21 25 | 21°12'23 | 10♉ 1 | 23°52 | 18° 5 | 22°31 | 1°42 | 8°25 | 20°50 | 0°43 | 1°57 | 17° 8 | 18°33 | 6°17 | 7°28 | T 6 |
| W 7 | 7 25 21 | 22°13'22 | 24°11 | 25°36 | 19°21 | 22°59 | 1°48 | 8°20 | 20°52 | 0°43 | 1°55 | 17° 4 | 18°29 | 6°23 | 7°34 | W 7 |
| T 8 | 7 29 18 | 23°14'20 | 8♊47 | 27°20 | 20°36 | 23°28 | 1°55 | 8°15 | 20°55 | 0°44 | 1°54 | 16°58 | 18°26 | 6°30 | 7°39 | T 8 |
| F 9 | 7 33 15 | 24°15'16 | 23°45 | 29° 5 | 21°51 | 23°56 | 2° 1 | 8°11 | 20°57 | 0°45 | 1°53 | 16°51 | 18°23 | 6°37 | 7°45 | F 9 |
| S 10 | 7 37 11 | 25°16'11 | 8♋58 | 0♒51 | 23° 7 | 24°24 | 2° 7 | 8° 6 | 20°59 | 0°45 | 1°52 | 16°42 | 18°20 | 6°43 | 7°50 | S 10 |
| S 11 | 7 41 8 | 26°17'05 | 24°14 | 2°36 | 24°22 | 24°52 | 2°13 | 8° 1 | 21° 1 | 0°46 | 1°51 | 16°35 | 18°17 | 6°50 | 7°55 | S 11 |
| M12 | 7 45 4 | 27°17'58 | 9♌25 | 4°23 | 25°37 | 25°20 | 2°18 | 7°57 | 21° 3 | 0°46 | 1°50 | 16°28 | 18°14 | 6°57 | 8° 1 | M12 |
| T 13 | 7 49 1 | 28°18'49 | 24°18 | 6° 9 | 26°53 | 25°47 | 2°24 | 7°52 | 21° 5 | 0°47 | 1°48 | 16°24 | 18°10 | 7° 4 | 8° 6 | T 13 |
| W14 | 7 52 57 | 29°19'40 | 8♍47 | 7°56 | 28° 8 | 26°15 | 2°29 | 7°48 | 21° 7 | 0°47 | 1°47 | 16°22 | 18° 7 | 7°10 | 8°12 | W14 |
| T 15 | 7 56 54 | 0♒20'29 | 22°48 | 9°43 | 29°23 | 26°42 | 2°34 | 7°44 | 21° 9 | 0°48 | 1°46 | 16°D22 | 18° 4 | 7°17 | 8°17 | T 15 |
| F 16 | 8 0 50 | 1°21'17 | 6♎20 | 11°30 | 0♒38 | 27° 9 | 2°39 | 7°39 | 21°11 | 0°48 | 1°45 | 16°23 | 18° 1 | 7°24 | 8°22 | F 16 |
| S 17 | 8 4 47 | 2°22'05 | 19°26 | 13°17 | 1°54 | 27°35 | 2°44 | 7°35 | 21°12 | 0°48 | 1°43 | 16°24 | 17°58 | 7°30 | 8°27 | S 17 |
| S 18 | 8 8 44 | 3°22'51 | 2♏ 8 | 15° 3 | 3° 9 | 28° 2 | 2°49 | 7°31 | 21°14 | 0°49 | 1°42 | 16°R25 | 17°55 | 7°37 | 8°33 | S 18 |
| M19 | 8 12 40 | 4°23'36 | 14°30 | 16°49 | 4°24 | 28°28 | 2°53 | 7°27 | 21°16 | 0°49 | 1°41 | 16°24 | 17°51 | 7°44 | 8°38 | M19 |
| T 20 | 8 16 37 | 5°24'21 | 26°39 | 18°33 | 5°39 | 28°54 | 2°58 | 7°23 | 21°17 | 0°49 | 1°39 | 16°22 | 17°48 | 7°51 | 8°43 | T 20 |
| W21 | 8 20 33 | 6°25'04 | 8♐38 | 20°17 | 6°54 | 29°20 | 3° 2 | 7°19 | 21°19 | 0°49 | 1°38 | 16°18 | 17°45 | 7°57 | 8°48 | W21 |
| T 22 | 8 24 30 | 7°25'46 | 20°31 | 21°59 | 8°10 | 29°45 | 3° 6 | 7°15 | 21°21 | 0°50 | 1°36 | 16°12 | 17°42 | 8° 4 | 8°53 | T 22 |
| F 23 | 8 28 26 | 8°26'26 | 2♑21 | 23°38 | 9°25 | 0♏11 | 3°10 | 7°11 | 21°22 | 0°50 | 1°35 | 16° 5 | 17°39 | 8°11 | 8°59 | F 23 |
| S 24 | 8 32 23 | 9°27'06 | 14°13 | 25°16 | 10°40 | 0°36 | 3°14 | 7° 7 | 21°24 | 0°50 | 1°34 | 15°57 | 17°35 | 8°17 | 9° 4 | S 24 |
| S 25 | 8 36 19 | 10°27'44 | 26° 7 | 26°50 | 11°55 | 1° 0 | 3°17 | 7° 3 | 21°25 | 0°50 | 1°32 | 15°51 | 17°32 | 8°24 | 9° 9 | S 25 |
| M26 | 8 40 16 | 11°28'20 | 8♒ 5 | 28°20 | 13°10 | 1°25 | 3°20 | 7° 0 | 21°26 | 0°50 | 1°31 | 15°45 | 17°29 | 8°31 | 9°14 | M26 |
| T 27 | 8 44 13 | 12°28'55 | 20°10 | 29°47 | 14°25 | 1°49 | 3°24 | 6°56 | 21°28 | 0°R50 | 1°29 | 15°40 | 17°26 | 8°38 | 9°19 | T 27 |
| W28 | 8 48 9 | 13°29'28 | 2♓22 | 1♓ 8 | 15°40 | 2°13 | 3°27 | 6°52 | 21°29 | 0°50 | 1°28 | 15°38 | 17°23 | 8°44 | 9°23 | W28 |
| T 29 | 8 52 6 | 14°30'00 | 14°44 | 2°24 | 16°55 | 2°37 | 3°29 | 6°49 | 21°30 | 0°50 | 1°26 | 15°D37 | 17°20 | 8°51 | 9°28 | T 29 |
| F 30 | 8 56 2 | 15°30'29 | 27°16 | 3°34 | 18°11 | 3° 0 | 3°32 | 6°46 | 21°31 | 0°50 | 1°25 | 15°37 | 17°16 | 8°58 | 9°33 | F 30 |
| S 31 | 8 59 59 | 16♒30'57 | 10♈ 1 | 4♓36 | 19♒26 | 3♏23 | 3♏34 | 6♋43 | 21♏32 | 0♏50 | 1♍23 | 15♍39 | 17♍13 | 9♉ 4 | 9♉38 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s35 | 8s38 | 1n 3 | 24s39 | 1s59 | 23s44 | 0s41 | 6s10 | 1n52 | 10s46 | 1n14 | 23n 1 | 0s15 | 17s45 | 0n16 | 10s 2 | 1n51 | 24n11 | 14n24 | 5n 6 | 4n27 | 18s32 | 18s11 | 5n12 |
| F 2 | 22 28 | 4 57 | 0s 3 | 24 28 | 2 1 | 23 39 | 0 43 | 6 21 | 1 52 | 10 49 | 1 14 | 23 2 | 0 15 | 17 46 | 0 16 | 10 2 | 1 51 | 24 11 | 14 24 | 5 6 | 4 28 | 18 32 | 18 11 | 5 12 |
| S 3 | 22 20 | 0 59 | 1 9 | 24 16 | 2 2 | 23 33 | 0 46 | 6 31 | 1 53 | 10 51 | 1 14 | 23 2 | 0 15 | 17 47 | 0 16 | 10 2 | 1 51 | 24 12 | 14 25 | 5 6 | 4 30 | 18 31 | 18 10 | 5 13 |
| S 4 | 22 11 | 3n 8 | 2 14 | 24 2 | 2 3 | 23 26 | 0 48 | 6 42 | 1 53 | 10 53 | 1 14 | 23 3 | 0 15 | 17 47 | 0 16 | 10 2 | 1 51 | 24 13 | 14 25 | 5 6 | 4 31 | 18 31 | 18 10 | 5 13 |
| M 5 | 22 3 | 7 12 | 3 14 | 23 46 | 2 4 | 23 19 | 0 49 | 6 53 | 1 53 | 10 55 | 1 15 | 23 3 | 0 15 | 17 48 | 0 16 | 10 3 | 1 51 | 24 14 | 14 25 | 5 6 | 4 32 | 18 31 | 18 9 | 5 13 |
| T 6 | 21 53 | 11 2 | 4 5 | 23 29 | 2 4 | 23 11 | 0 51 | 7 3 | 1 53 | 10 58 | 1 15 | 23 4 | 0 15 | 17 48 | 0 16 | 10 3 | 1 51 | 24 14 | 14 26 | 5 6 | 4 33 | 18 31 | 18 9 | 5 13 |
| W 7 | 21 44 | 14 21 | 4 42 | 23 10 | 2 4 | 23 3 | 0 53 | 7 14 | 1 54 | 11 0 | 1 15 | 23 4 | 0 14 | 17 49 | 0 16 | 10 3 | 1 51 | 24 15 | 14 26 | 5 8 | 4 35 | 18 31 | 18 9 | 5 13 |
| T 8 | 21 33 | 16 54 | 5 3 | 22 49 | 2 3 | 22 53 | 0 55 | 7 24 | 1 54 | 11 2 | 1 15 | 23 4 | 0 14 | 17 50 | 0 16 | 10 3 | 1 51 | 24 16 | 14 26 | 5 10 | 4 36 | 18 31 | 18 8 | 5 13 |
| F 9 | 21 23 | 18 22 | 5 4 | 22 26 | 2 1 | 22 43 | 0 57 | 7 34 | 1 54 | 11 4 | 1 15 | 23 5 | 0 14 | 17 50 | 0 16 | 10 3 | 1 51 | 24 17 | 14 27 | 5 13 | 4 37 | 18 31 | 18 8 | 5 13 |
| S 10 | 21 12 | 18 33 | 4 44 | 22 1 | 2 0 | 22 33 | 0 59 | 7 44 | 1 54 | 11 6 | 1 15 | 23 5 | 0 14 | 17 51 | 0 16 | 10 3 | 1 52 | 24 17 | 14 27 | 5 17 | 4 38 | 18 31 | 18 7 | 5 14 |
| S 11 | 21 1 | 17 24 | 4 3 | 21 35 | 1 57 | 22 21 | 1 0 | 7 54 | 1 54 | 11 7 | 1 16 | 23 6 | 0 14 | 17 51 | 0 16 | 10 4 | 1 52 | 24 18 | 14 27 | 5 20 | 4 40 | 18 31 | 18 7 | 5 14 |
| M12 | 20 49 | 15 1 | 3 6 | 21 7 | 1 54 | 22 9 | 1 2 | 8 4 | 1 55 | 11 9 | 1 16 | 23 6 | 0 14 | 17 52 | 0 16 | 10 4 | 1 52 | 24 19 | 14 28 | 5 22 | 4 41 | 18 31 | 18 6 | 5 14 |
| T 13 | 20 37 | 11 40 | 1 56 | 20 38 | 1 51 | 21 56 | 1 4 | 8 14 | 1 55 | 11 11 | 1 16 | 23 6 | 0 14 | 17 52 | 0 16 | 10 4 | 1 52 | 24 20 | 14 28 | 5 24 | 4 42 | 18 31 | 18 6 | 5 14 |
| W14 | 20 24 | 7 41 | 0 41 | 20 6 | 1 47 | 21 43 | 1 5 | 8 24 | 1 55 | 11 13 | 1 16 | 23 7 | 0 14 | 17 53 | 0 16 | 10 4 | 1 52 | 24 20 | 14 28 | 5 25 | 4 43 | 18 31 | 18 5 | 5 14 |
| T 15 | 20 11 | 3 24 | 0n35 | 19 33 | 1 42 | 21 29 | 1 7 | 8 34 | 1 55 | 11 14 | 1 16 | 23 7 | 0 13 | 17 53 | 0 16 | 10 4 | 1 52 | 24 21 | 14 29 | 5 25 | 4 45 | 18 31 | 18 5 | 5 15 |
| F 16 | 19 58 | 0s55 | 1 46 | 18 59 | 1 37 | 21 14 | 1 8 | 8 43 | 1 55 | 11 16 | 1 17 | 23 8 | 0 13 | 17 54 | 0 16 | 10 4 | 1 52 | 24 22 | 14 29 | 5 24 | 4 46 | 18 31 | 18 4 | 5 15 |
| S 17 | 19 44 | 5 2 | 2 49 | 18 22 | 1 31 | 20 59 | 1 10 | 8 53 | 1 56 | 11 17 | 1 17 | 23 8 | 0 13 | 17 54 | 0 16 | 10 4 | 1 52 | 24 23 | 14 29 | 5 24 | 4 47 | 18 31 | 18 4 | 5 15 |
| S 18 | 19 30 | 8 48 | 3 42 | 17 45 | 1 24 | 20 43 | 1 11 | 9 2 | 1 56 | 11 19 | 1 17 | 23 8 | 0 13 | 17 55 | 0 16 | 10 4 | 1 52 | 24 23 | 14 30 | 5 23 | 4 48 | 18 31 | 18 3 | 5 15 |
| M19 | 19 16 | 12 5 | 4 23 | 17 6 | 1 17 | 20 26 | 1 12 | 9 11 | 1 56 | 11 20 | 1 17 | 23 9 | 0 13 | 17 55 | 0 16 | 10 4 | 1 52 | 24 24 | 14 30 | 5 24 | 4 50 | 18 31 | 18 2 | 5 15 |
| T 20 | 19 1 | 14 47 | 4 52 | 16 26 | 1 8 | 20 9 | 1 14 | 9 20 | 1 56 | 11 21 | 1 17 | 23 9 | 0 13 | 17 56 | 0 16 | 10 4 | 1 52 | 24 25 | 14 30 | 5 24 | 4 51 | 18 31 | 18 2 | 5 16 |
| W21 | 18 46 | 16 48 | 5 7 | 15 45 | 0 59 | 19 51 | 1 15 | 9 29 | 1 56 | 11 23 | 1 18 | 23 9 | 0 13 | 17 56 | 0 16 | 10 4 | 1 52 | 24 26 | 14 31 | 5 26 | 4 52 | 18 30 | 18 1 | 5 16 |
| T 22 | 18 31 | 18 6 | 5 9 | 15 3 | 0 50 | 19 33 | 1 16 | 9 38 | 1 56 | 11 24 | 1 18 | 23 10 | 0 13 | 17 56 | 0 16 | 10 4 | 1 52 | 24 27 | 14 31 | 5 28 | 4 53 | 18 30 | 18 1 | 5 16 |
| F 23 | 18 15 | 18 35 | 4 58 | 14 20 | 0 39 | 19 14 | 1 17 | 9 47 | 1 56 | 11 25 | 1 18 | 23 10 | 0 12 | 17 57 | 0 16 | 10 4 | 1 52 | 24 27 | 14 31 | 5 31 | 4 55 | 18 30 | 18 0 | 5 16 |
| S 24 | 17 59 | 18 17 | 4 33 | 13 37 | 0 28 | 18 54 | 1 18 | 9 55 | 1 57 | 11 26 | 1 18 | 23 10 | 0 12 | 17 57 | 0 16 | 10 4 | 1 52 | 24 28 | 14 31 | 5 34 | 4 56 | 18 30 | 18 0 | 5 17 |
| S 25 | 17 43 | 17 9 | 3 57 | 12 53 | 0 16 | 18 34 | 1 19 | 10 4 | 1 57 | 11 27 | 1 18 | 23 11 | 0 12 | 17 58 | 0 16 | 10 4 | 1 52 | 24 29 | 14 32 | 5 37 | 4 57 | 18 30 | 17 59 | 5 17 |
| M26 | 17 26 | 15 17 | 3 10 | 12 10 | 0 4 | 18 14 | 1 20 | 10 12 | 1 57 | 11 28 | 1 19 | 23 11 | 0 12 | 17 58 | 0 16 | 10 4 | 1 53 | 24 30 | 14 32 | 5 39 | 4 58 | 18 30 | 17 58 | 5 17 |
| T 27 | 17 9 | 12 43 | 2 15 | 11 28 | 0n10 | 17 53 | 1 21 | 10 21 | 1 57 | 11 29 | 1 19 | 23 11 | 0 12 | 17 58 | 0 16 | 10 4 | 1 53 | 24 30 | 14 32 | 5 41 | 4 59 | 18 30 | 17 58 | 5 17 |
| W28 | 16 52 | 9 34 | 1 12 | 10 46 | 0 24 | 17 31 | 1 22 | 10 29 | 1 57 | 11 30 | 1 19 | 23 12 | 0 12 | 17 59 | 0 16 | 10 4 | 1 53 | 24 31 | 14 32 | 5 42 | 5 1 | 18 30 | 17 57 | 5 18 |
| T 29 | 16 34 | 5 58 | 0 5 | 10 5 | 0 38 | 17 9 | 1 22 | 10 37 | 1 57 | 11 30 | 1 19 | 23 12 | 0 12 | 17 59 | 0 16 | 10 4 | 1 53 | 24 32 | 14 32 | 5 42 | 5 2 | 18 30 | 17 57 | 5 18 |
| F 30 | 16 16 | 2 4 | 1s 3 | 9 26 | 0 53 | 16 47 | 1 23 | 10 45 | 1 57 | 11 31 | 1 19 | 23 12 | 0 12 | 17 59 | 0 16 | 10 4 | 1 53 | 24 33 | 14 33 | 5 42 | 5 3 | 18 30 | 17 56 | 5 18 |
| S 31 | 15s58 | 2n 0 | 2s10 | 8s49 | 1n 8 | 16s24 | 1s24 | 10s52 | 1n57 | 11s32 | 1n19 | 23n12 | 0s12 | 17s59 | 0n16 | 10s 4 | 1n53 | 24n33 | 14n33 | 5n41 | 5n 4 | 18s29 | 17s55 | 5n19 |

Julian Day Number = 2076811.5, Delta T = 26m37s
Ecliptic obliquity = 23°34'10, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'28, Lahiri = 9°33'28 Julian Calendar 1 Jan. 974 == Greg. Calendar 6 Jan. 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## FEBRUARY 974 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 3 55 | 17♒31'23 | 23♈ 1 | 5♓31 | 20♒41 | 3♏46 | 3♏37 | 6°R39 | 21♏33 | 0°R49 | 1°R22 | 15♍40 | 17♍10 | 9♉11 | 9♉43 | S 1 |
| M 2 | 9 7 52 | 18°31'47 | 6♉19 | 6°18 | 21°56 | 4° 8 | 3°39 | 6♋36 | 21°34 | 0♏49 | 1♍20 | 15°42 | 17° 7 | 9°18 | 9°47 | M 2 |
| T 3 | 9 11 48 | 19°32'09 | 19°57 | 6°57 | 23°11 | 4°30 | 3°41 | 6°33 | 21°35 | 0°49 | 1°19 | 15°R42 | 17° 4 | 9°25 | 9°52 | T 3 |
| W 4 | 9 15 45 | 20°32'29 | 3♊55 | 7°26 | 24°26 | 4°52 | 3°42 | 6°31 | 21°36 | 0°49 | 1°17 | 15°42 | 17° 0 | 9°31 | 9°57 | W 4 |
| T 5 | 9 19 42 | 21°32'47 | 18°13 | 7°45 | 25°41 | 5°14 | 3°44 | 6°28 | 21°37 | 0°48 | 1°16 | 15°40 | 16°57 | 9°38 | 10° 1 | T 5 |
| F 6 | 9 23 38 | 22°33'03 | 2♋49 | 7°55 | 26°56 | 5°35 | 3°45 | 6°25 | 21°37 | 0°48 | 1°14 | 15°37 | 16°54 | 9°45 | 10° 6 | F 6 |
| S 7 | 9 27 35 | 23°33'17 | 17°38 | 7°R56 | 28°11 | 5°56 | 3°46 | 6°23 | 21°38 | 0°48 | 1°12 | 15°34 | 16°51 | 9°51 | 10°10 | S 7 |
| S 8 | 9 31 31 | 24°33'29 | 2♌33 | 7°46 | 29°25 | 6°16 | 3°47 | 6°20 | 21°39 | 0°47 | 1°11 | 15°31 | 16°48 | 9°58 | 10°15 | S 8 |
| M 9 | 9 35 28 | 25°33'38 | 17°27 | 7°27 | 0♓40 | 6°36 | 3°48 | 6°18 | 21°39 | 0°47 | 1° 9 | 15°29 | 16°45 | 10° 5 | 10°19 | M 9 |
| T 10 | 9 39 24 | 26°33'46 | 2♍ 9 | 7° 0 | 1°55 | 6°56 | 3°48 | 6°15 | 21°40 | 0°46 | 1° 8 | 15°28 | 16°41 | 10°12 | 10°24 | T 10 |
| W11 | 9 43 21 | 27°33'52 | 16°35 | 6°24 | 3°10 | 7°15 | 3°49 | 6°13 | 21°40 | 0°46 | 1° 6 | 15°D27 | 16°38 | 10°18 | 10°28 | W11 |
| T 12 | 9 47 17 | 28°33'56 | 0♎38 | 5°41 | 4°25 | 7°34 | 3°49 | 6°11 | 21°41 | 0°45 | 1° 5 | 15°28 | 16°35 | 10°25 | 10°32 | T 12 |
| F 13 | 9 51 14 | 29°33'59 | 14°16 | 4°52 | 5°40 | 7°53 | 3°R49 | 6° 9 | 21°41 | 0°45 | 1° 3 | 15°29 | 16°32 | 10°32 | 10°36 | F 13 |
| S 14 | 9 55 11 | 0♓33'59 | 27°29 | 3°59 | 6°55 | 8°11 | 3°49 | 6° 7 | 21°42 | 0°44 | 1° 1 | 15°30 | 16°29 | 10°38 | 10°41 | S 14 |
| S 15 | 9 59 7 | 1°33'58 | 10♏18 | 3° 1 | 8° 9 | 8°29 | 3°49 | 6° 6 | 21°42 | 0°44 | 1° 0 | 15°31 | 16°26 | 10°45 | 10°45 | S 15 |
| M16 | 10 3 4 | 2°33'56 | 22°46 | 2° 2 | 9°24 | 8°46 | 3°48 | 6° 4 | 21°42 | 0°43 | 0°58 | 15°32 | 16°22 | 10°52 | 10°49 | M16 |
| T 17 | 10 7 0 | 3°33'51 | 4♐59 | 1° 2 | 10°39 | 9° 3 | 3°47 | 6° 2 | 21°42 | 0°42 | 0°57 | 15°R32 | 16°19 | 10°58 | 10°53 | T 17 |
| W18 | 10 10 57 | 4°33'45 | 16°59 | 0° 3 | 11°54 | 9°19 | 3°46 | 6° 1 | 21°42 | 0°42 | 0°55 | 15°32 | 16°16 | 11° 5 | 10°57 | W18 |
| T 19 | 10 14 53 | 5°33'37 | 28°53 | 29♒ 5 | 13° 8 | 9°35 | 3°45 | 6° 0 | 21°42 | 0°41 | 0°53 | 15°31 | 16°13 | 11°12 | 11° 0 | T 19 |
| F 20 | 10 18 50 | 6°33'28 | 10♑44 | 28°11 | 14°23 | 9°51 | 3°44 | 5°58 | 21°R42 | 0°40 | 0°52 | 15°30 | 16°10 | 11°19 | 11° 4 | F 20 |
| S 21 | 10 22 46 | 7°33'17 | 22°36 | 27°20 | 15°38 | 10° 6 | 3°42 | 5°57 | 21°42 | 0°39 | 0°50 | 15°29 | 16° 6 | 11°25 | 11° 8 | S 21 |
| S 22 | 10 26 43 | 8°33'03 | 4♒33 | 26°34 | 16°52 | 10°20 | 3°41 | 5°56 | 21°42 | 0°39 | 0°49 | 15°28 | 16° 3 | 11°32 | 11°12 | S 22 |
| M23 | 10 30 40 | 9°32'48 | 16°38 | 25°54 | 18° 7 | 10°34 | 3°39 | 5°55 | 21°42 | 0°38 | 0°47 | 15°27 | 16° 0 | 11°39 | 11°15 | M23 |
| T 24 | 10 34 36 | 10°32'31 | 28°53 | 25°19 | 19°22 | 10°48 | 3°37 | 5°55 | 21°42 | 0°37 | 0°46 | 15°26 | 15°57 | 11°45 | 11°19 | T 24 |
| W25 | 10 38 33 | 11°32'12 | 11♓19 | 24°51 | 20°36 | 11° 1 | 3°35 | 5°54 | 21°42 | 0°36 | 0°44 | 15°D26 | 15°54 | 11°52 | 11°23 | W25 |
| T 26 | 10 42 29 | 12°31'51 | 23°59 | 24°28 | 21°51 | 11°13 | 3°32 | 5°53 | 21°41 | 0°35 | 0°42 | 15°26 | 15°51 | 11°59 | 11°26 | T 26 |
| F 27 | 10 46 26 | 13°31'28 | 6♈51 | 24°12 | 23° 5 | 11°25 | 3°30 | 5°53 | 21°41 | 0°34 | 0°41 | 15°26 | 15°47 | 12° 6 | 11°29 | F 27 |
| S 28 | 10 50 22 | 14♓31'03 | 19♈57 | 24♒ 2 | 24♓20 | 11♏37 | 3♏27 | 5♋52 | 21♏40 | 0♏33 | 0♍39 | 15♍26 | 15♍44 | 12♉12 | 11♉33 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s40 | 6n 2 | 3s11 | 8s14 | 1n24 | 16s 0 | 1s24 | 11s 0 | 1n57 | 11s32 | 1n20 | 23n13 | 0s11 | 18s 0 | 0n16 | 10s 4 | 1n53 | 24n34 | 14n33 | 5n41 | 5n 6 | 18s29 | 17s55 | 5n19 |
| M 2 | 15 21 | 9 52 | 4 3 | 7 43 | 1 39 | 15 37 | 1 25 | 11 8 | 1 57 | 11 33 | 1 20 | 23 13 | 0 11 | 18 0 | 0 16 | 10 3 | 1 53 | 24 35 | 14 33 | 5 40 | 5 7 | 18 29 | 17 54 | 5 19 |
| T 3 | 15 2 | 13 16 | 4 43 | 7 14 | 1 55 | 15 12 | 1 25 | 11 15 | 1 57 | 11 33 | 1 20 | 23 13 | 0 11 | 18 0 | 0 16 | 10 3 | 1 53 | 24 36 | 14 33 | 5 40 | 5 8 | 18 29 | 17 53 | 5 20 |
| W 4 | 14 43 | 16 0 | 5 8 | 6 49 | 2 10 | 14 48 | 1 26 | 11 22 | 1 57 | 11 34 | 1 20 | 23 14 | 0 11 | 18 0 | 0 16 | 10 3 | 1 53 | 24 36 | 14 33 | 5 40 | 5 9 | 18 29 | 17 53 | 5 20 |
| T 5 | 14 24 | 17 50 | 5 14 | 6 28 | 2 25 | 14 23 | 1 26 | 11 30 | 1 57 | 11 34 | 1 20 | 23 14 | 0 11 | 18 1 | 0 16 | 10 3 | 1 53 | 24 37 | 14 34 | 5 41 | 5 11 | 18 29 | 17 52 | 5 20 |
| F 6 | 14 4 | 18 32 | 5 0 | 6 11 | 2 39 | 13 57 | 1 26 | 11 37 | 1 57 | 11 34 | 1 21 | 23 14 | 0 11 | 18 1 | 0 16 | 10 3 | 1 53 | 24 38 | 14 34 | 5 42 | 5 12 | 18 29 | 17 51 | 5 20 |
| S 7 | 13 44 | 17 59 | 4 27 | 5 59 | 2 52 | 13 31 | 1 26 | 11 43 | 1 57 | 11 34 | 1 21 | 23 14 | 0 11 | 18 1 | 0 16 | 10 3 | 1 53 | 24 38 | 14 34 | 5 43 | 5 13 | 18 29 | 17 51 | 5 21 |
| S 8 | 13 24 | 16 12 | 3 35 | 5 51 | 3 5 | 13 5 | 1 26 | 11 50 | 1 57 | 11 35 | 1 21 | 23 15 | 0 11 | 18 1 | 0 16 | 10 2 | 1 53 | 24 39 | 14 34 | 5 44 | 5 14 | 18 28 | 17 50 | 5 21 |
| M 9 | 13 4 | 13 20 | 2 28 | 5 47 | 3 16 | 12 38 | 1 26 | 11 57 | 1 57 | 11 35 | 1 21 | 23 15 | 0 10 | 18 1 | 0 16 | 10 2 | 1 53 | 24 40 | 14 34 | 5 45 | 5 16 | 18 28 | 17 49 | 5 21 |
| T 10 | 12 44 | 9 38 | 1 13 | 5 49 | 3 25 | 12 12 | 1 26 | 12 3 | 1 57 | 11 35 | 1 21 | 23 15 | 0 10 | 18 1 | 0 16 | 10 2 | 1 53 | 24 40 | 14 34 | 5 46 | 5 17 | 18 28 | 17 49 | 5 22 |
| W11 | 12 23 | 5 25 | 0n 6 | 5 55 | 3 33 | 11 44 | 1 26 | 12 10 | 1 57 | 11 35 | 1 22 | 23 15 | 0 10 | 18 1 | 0 16 | 10 2 | 1 54 | 24 41 | 14 34 | 5 46 | 5 18 | 18 28 | 17 48 | 5 22 |
| T 12 | 12 2 | 1 1 | 1 23 | 6 5 | 3 39 | 11 17 | 1 26 | 12 16 | 1 57 | 11 35 | 1 22 | 23 15 | 0 10 | 18 2 | 0 16 | 10 2 | 1 54 | 24 42 | 14 34 | 5 46 | 5 19 | 18 28 | 17 47 | 5 23 |
| F 13 | 11 41 | 3s19 | 2 33 | 6 19 | 3 43 | 10 49 | 1 26 | 12 22 | 1 57 | 11 34 | 1 22 | 23 16 | 0 10 | 18 2 | 0 16 | 10 1 | 1 54 | 24 42 | 14 35 | 5 45 | 5 21 | 18 28 | 17 47 | 5 23 |
| S 14 | 11 20 | 7 20 | 3 32 | 6 36 | 3 45 | 10 21 | 1 26 | 12 28 | 1 57 | 11 34 | 1 22 | 23 16 | 0 10 | 18 2 | 0 16 | 10 1 | 1 54 | 24 43 | 14 35 | 5 45 | 5 22 | 18 28 | 17 46 | 5 23 |
| S 15 | 10 59 | 10 53 | 4 19 | 6 57 | 3 45 | 9 52 | 1 25 | 12 34 | 1 57 | 11 34 | 1 22 | 23 16 | 0 10 | 18 2 | 0 16 | 10 1 | 1 54 | 24 44 | 14 35 | 5 44 | 5 23 | 18 27 | 17 45 | 5 24 |
| M16 | 10 37 | 13 51 | 4 52 | 7 20 | 3 43 | 9 24 | 1 25 | 12 39 | 1 57 | 11 33 | 1 23 | 23 16 | 0 10 | 18 2 | 0 16 | 10 1 | 1 54 | 24 44 | 14 35 | 5 44 | 5 24 | 18 27 | 17 45 | 5 24 |
| T 17 | 10 15 | 16 8 | 5 11 | 7 46 | 3 39 | 8 55 | 1 24 | 12 45 | 1 57 | 11 33 | 1 23 | 23 16 | 0 9 | 18 2 | 0 16 | 10 0 | 1 54 | 24 45 | 14 35 | 5 44 | 5 26 | 18 27 | 17 44 | 5 24 |
| W18 | 9 53 | 17 41 | 5 17 | 8 12 | 3 32 | 8 26 | 1 24 | 12 50 | 1 56 | 11 33 | 1 23 | 23 17 | 0 9 | 18 2 | 0 16 | 10 0 | 1 54 | 24 46 | 14 35 | 5 44 | 5 27 | 18 27 | 17 43 | 5 25 |
| T 19 | 9 31 | 18 26 | 5 8 | 8 40 | 3 24 | 7 57 | 1 23 | 12 56 | 1 56 | 11 32 | 1 23 | 23 17 | 0 9 | 18 2 | 0 16 | 10 0 | 1 54 | 24 46 | 14 35 | 5 44 | 5 28 | 18 27 | 17 43 | 5 25 |
| F 20 | 9 9 | 18 22 | 4 47 | 9 7 | 3 15 | 7 27 | 1 23 | 13 1 | 1 56 | 11 31 | 1 23 | 23 17 | 0 9 | 18 2 | 0 16 | 9 59 | 1 54 | 24 47 | 14 35 | 5 45 | 5 29 | 18 27 | 17 42 | 5 26 |
| S 21 | 8 47 | 17 30 | 4 13 | 9 35 | 3 4 | 6 57 | 1 22 | 13 6 | 1 56 | 11 31 | 1 24 | 23 17 | 0 9 | 18 2 | 0 16 | 9 59 | 1 54 | 24 48 | 14 35 | 5 45 | 5 31 | 18 26 | 17 41 | 5 26 |
| S 22 | 8 24 | 15 52 | 3 28 | 10 2 | 2 52 | 6 27 | 1 21 | 13 10 | 1 56 | 11 30 | 1 24 | 23 17 | 0 9 | 18 2 | 0 16 | 9 59 | 1 54 | 24 48 | 14 35 | 5 46 | 5 32 | 18 26 | 17 40 | 5 26 |
| M23 | 8 2 | 13 30 | 2 33 | 10 28 | 2 39 | 5 57 | 1 20 | 13 15 | 1 55 | 11 29 | 1 24 | 23 17 | 0 9 | 18 2 | 0 16 | 9 58 | 1 54 | 24 49 | 14 35 | 5 46 | 5 33 | 18 26 | 17 40 | 5 27 |
| T 24 | 7 39 | 10 31 | 1 31 | 10 52 | 2 25 | 5 27 | 1 19 | 13 20 | 1 55 | 11 28 | 1 24 | 23 18 | 0 9 | 18 2 | 0 16 | 9 58 | 1 54 | 24 49 | 14 35 | 5 46 | 5 34 | 18 26 | 17 39 | 5 27 |
| W25 | 7 17 | 7 0 | 0 23 | 11 15 | 2 11 | 4 57 | 1 19 | 13 24 | 1 55 | 11 27 | 1 24 | 23 18 | 0 8 | 18 2 | 0 16 | 9 58 | 1 54 | 24 50 | 14 35 | 5 46 | 5 36 | 18 26 | 17 38 | 5 28 |
| T 26 | 6 54 | 3 8 | 0s47 | 11 36 | 1 57 | 4 26 | 1 18 | 13 28 | 1 54 | 11 26 | 1 24 | 23 18 | 0 8 | 18 2 | 0 16 | 9 57 | 1 54 | 24 50 | 14 35 | 5 46 | 5 37 | 18 25 | 17 38 | 5 28 |
| F 27 | 6 31 | 0n58 | 1 56 | 11 55 | 1 42 | 3 56 | 1 16 | 13 32 | 1 54 | 11 25 | 1 25 | 23 18 | 0 8 | 18 2 | 0 16 | 9 57 | 1 54 | 24 51 | 14 35 | 5 46 | 5 38 | 18 25 | 17 37 | 5 28 |
| S 28 | 6s 8 | 5n 4 | 3s 0 | 12s13 | 1n27 | 3s25 | 1s15 | 13s36 | 1n53 | 11s24 | 1n25 | 23n18 | 0s 8 | 18s 1 | 0n16 | 9s56 | 1n54 | 24n52 | 14n35 | 5n46 | 5n39 | 18s25 | 17s36 | 5n29 |

Julian Day Number = 2076842.5, Delta T = 26m36s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'32, Lahiri = 9°33'32 Julian Calendar 1 Feb. 974 == Greg. Calendar 6 Feb. 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## MARCH 974 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 54 19 | 15♓30'35 | 3♉17 | 23°D59 | 25♓34 | 11♏48 | 3°R24 | 5°R52 | 21°R40 | 0°R32 | 0°R38 | 15°R26 | 15♍41 | 12♑19 | 11♑36 | S 1 |
| M 2 | 10 58 15 | 16°30'05 | 16°50 | 24♒ 1 | 26°49 | 11°58 | 3♏21 | 5♋52 | 21♏39 | 0♏31 | 0♍36 | 15♍26 | 15°38 | 12°26 | 11°39 | M 2 |
| T 3 | 11 2 12 | 17°29'33 | 0♊36 | 24° 8 | 28° 3 | 12° 8 | 3°17 | 5°D52 | 21°39 | 0°30 | 0°35 | 15°26 | 15°35 | 12°32 | 11°42 | T 3 |
| W 4 | 11 6 8 | 18°28'58 | 14°34 | 24°22 | 29°18 | 12°17 | 3°14 | 5°52 | 21°38 | 0°29 | 0°33 | 15°D26 | 15°32 | 12°39 | 11°46 | W 4 |
| T 5 | 11 10 5 | 19°28'21 | 28°43 | 24°40 | 0♈32 | 12°25 | 3°10 | 5°52 | 21°38 | 0°28 | 0°32 | 15°26 | 15°28 | 12°46 | 11°49 | T 5 |
| F 6 | 11 14 2 | 20°27'42 | 13♋ 1 | 25° 3 | 1°47 | 12°33 | 3° 6 | 5°53 | 21°37 | 0°27 | 0°30 | 15°26 | 15°25 | 12°53 | 11°52 | F 6 |
| S 7 | 11 17 58 | 21°27'00 | 27°26 | 25°31 | 3° 1 | 12°40 | 3° 2 | 5°53 | 21°36 | 0°25 | 0°29 | 15°27 | 15°22 | 12°59 | 11°54 | S 7 |
| S 8 | 11 21 55 | 22°26'16 | 11♌53 | 26° 4 | 4°15 | 12°47 | 2°58 | 5°54 | 21°35 | 0°24 | 0°27 | 15°28 | 15°19 | 13° 6 | 11°57 | S 8 |
| M 9 | 11 25 51 | 23°25'30 | 26°18 | 26°40 | 5°30 | 12°53 | 2°54 | 5°54 | 21°34 | 0°23 | 0°26 | 15°28 | 15°16 | 13°13 | 12° 0 | M 9 |
| T 10 | 11 29 48 | 24°24'41 | 10♍36 | 27°21 | 6°44 | 12°58 | 2°49 | 5°55 | 21°33 | 0°22 | 0°25 | 15°R28 | 15°12 | 13°19 | 12° 3 | T 10 |
| W11 | 11 33 44 | 25°23'50 | 24°43 | 28° 5 | 7°58 | 13° 3 | 2°45 | 5°56 | 21°32 | 0°21 | 0°23 | 15°28 | 15° 9 | 13°26 | 12° 5 | W11 |
| T 12 | 11 37 41 | 26°22'57 | 8♎33 | 28°53 | 9°12 | 13° 7 | 2°40 | 5°57 | 21°31 | 0°19 | 0°22 | 15°28 | 15° 6 | 13°33 | 12° 8 | T 12 |
| F 13 | 11 41 37 | 27°22'02 | 22° 5 | 29°44 | 10°26 | 13°10 | 2°35 | 5°58 | 21°30 | 0°18 | 0°20 | 15°27 | 15° 3 | 13°39 | 12°10 | F 13 |
| S 14 | 11 45 34 | 28°21'05 | 5♏16 | 0♓38 | 11°41 | 13°13 | 2°30 | 5°59 | 21°29 | 0°17 | 0°19 | 15°25 | 15° 0 | 13°46 | 12°13 | S 14 |
| S 15 | 11 49 31 | 29°20'06 | 18° 7 | 1°36 | 12°55 | 13°15 | 2°25 | 6° 1 | 21°28 | 0°15 | 0°18 | 15°23 | 14°57 | 13°53 | 12°15 | S 15 |
| M16 | 11 53 27 | 0♈19'06 | 0♐39 | 2°36 | 14° 9 | 13°16 | 2°19 | 6° 2 | 21°27 | 0°14 | 0°16 | 15°21 | 14°53 | 14° 0 | 12°17 | M16 |
| T 17 | 11 57 24 | 1°18'03 | 12°54 | 3°38 | 15°23 | 13°R16 | 2°14 | 6° 4 | 21°26 | 0°13 | 0°15 | 15°20 | 14°50 | 14° 6 | 12°20 | T 17 |
| W18 | 12 1 20 | 2°16'59 | 24°57 | 4°44 | 16°37 | 13°16 | 2° 8 | 6° 5 | 21°24 | 0°11 | 0°14 | 15°19 | 14°47 | 14°13 | 12°22 | W18 |
| T 19 | 12 5 17 | 3°15'53 | 6♑52 | 5°52 | 17°51 | 13°15 | 2° 3 | 6° 7 | 21°23 | 0°10 | 0°12 | 15°D19 | 14°44 | 14°20 | 12°24 | T 19 |
| F 20 | 12 9 13 | 4°14'45 | 18°44 | 7° 2 | 19° 5 | 13°13 | 1°57 | 6° 9 | 21°22 | 0° 8 | 0°11 | 15°19 | 14°41 | 14°26 | 12°26 | F 20 |
| S 21 | 12 13 10 | 5°13'35 | 0♒37 | 8°14 | 20°19 | 13°10 | 1°51 | 6°11 | 21°20 | 0° 7 | 0°10 | 15°20 | 14°37 | 14°33 | 12°28 | S 21 |
| S 22 | 12 17 6 | 6°12'24 | 12°36 | 9°29 | 21°33 | 13° 7 | 1°44 | 6°13 | 21°19 | 0° 6 | 0° 9 | 15°22 | 14°34 | 14°40 | 12°29 | S 22 |
| M23 | 12 21 3 | 7°11'10 | 24°45 | 10°45 | 22°47 | 13° 3 | 1°38 | 6°15 | 21°17 | 0° 4 | 0° 8 | 15°24 | 14°31 | 14°47 | 12°31 | M23 |
| T 24 | 12 24 59 | 8° 9'55 | 7♓ 8 | 12° 4 | 24° 1 | 12°58 | 1°32 | 6°17 | 21°16 | 0° 3 | 0° 6 | 15°25 | 14°28 | 14°53 | 12°33 | T 24 |
| W25 | 12 28 56 | 9° 8'38 | 19°48 | 13°25 | 25°15 | 12°53 | 1°25 | 6°20 | 21°14 | 0° 1 | 0° 5 | 15°R25 | 14°25 | 15° 0 | 12°34 | W25 |
| T 26 | 12 32 53 | 10° 7'19 | 2♈45 | 14°48 | 26°29 | 12°46 | 1°19 | 6°22 | 21°12 | 29♎59 | 0° 4 | 15°24 | 14°22 | 15° 7 | 12°36 | T 26 |
| F 27 | 12 36 49 | 11° 5'58 | 16° 0 | 16°12 | 27°42 | 12°39 | 1°12 | 6°25 | 21°11 | 29°58 | 0° 3 | 15°22 | 14°18 | 15°13 | 12°37 | F 27 |
| S 28 | 12 40 46 | 12° 4'35 | 29°31 | 17°38 | 28°56 | 12°31 | 1° 5 | 6°27 | 21° 9 | 29°57 | 0° 2 | 15°18 | 14°15 | 15°20 | 12°39 | S 28 |
| S 29 | 12 44 42 | 13° 3'10 | 13♉18 | 19° 7 | 0♉10 | 12°22 | 0°58 | 6°30 | 21° 7 | 29°55 | 0° 1 | 15°14 | 14°12 | 15°27 | 12°40 | S 29 |
| M30 | 12 48 39 | 14° 1'43 | 27°16 | 20°37 | 1°24 | 12°13 | 0°51 | 6°33 | 21° 5 | 29°54 | 29♌59 | 15°10 | 14° 9 | 15°33 | 12°41 | M30 |
| T 31 | 12 52 35 | 15♈ 0'14 | 11♊22 | 22♓ 8 | 2♉38 | 12♏ 3 | 0♏44 | 6♋36 | 21♏ 4 | 29♎52 | 29♌59 | 15♍ 6 | 14♍ 6 | 15♑40 | 12♑42 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s45 | 8n59 | 3s56 | 12s28 | 1n13 | 2s54 | 1s14 | 13s40 | 1n53 | 11s23 | 1n25 | 23n18 | 0s 8 | 18s 1 | 0n16 | 9s56 | 1n55 | 24n52 | 14n35 | 5n46 | 5n40 | 18s25 | 17s35 | 5n29 |
| M 2 | 5 21 | 12 30 | 4 39 | 12 41 | 0 58 | 2 23 | 1 13 | 13 43 | 1 53 | 11 22 | 1 25 | 23 18 | 0 8 | 18 1 | 0 16 | 9 56 | 1 55 | 24 53 | 14 35 | 5 46 | 5 42 | 18 25 | 17 35 | 5 30 |
| T 3 | 4 58 | 15 23 | 5 7 | 12 51 | 0 44 | 1 52 | 1 12 | 13 47 | 1 52 | 11 21 | 1 25 | 23 19 | 0 8 | 18 1 | 0 16 | 9 55 | 1 55 | 24 53 | 14 35 | 5 46 | 5 43 | 18 24 | 17 34 | 5 30 |
| W 4 | 4 35 | 17 25 | 5 17 | 13 0 | 0 30 | 1 21 | 1 10 | 13 50 | 1 52 | 11 19 | 1 25 | 23 19 | 0 8 | 18 1 | 0 16 | 9 55 | 1 55 | 24 54 | 14 35 | 5 46 | 5 44 | 18 24 | 17 33 | 5 31 |
| T 5 | 4 11 | 18 25 | 5 9 | 13 7 | 0 16 | 0 50 | 1 9 | 13 53 | 1 51 | 11 18 | 1 26 | 23 19 | 0 8 | 18 1 | 0 16 | 9 54 | 1 55 | 24 54 | 14 35 | 5 46 | 5 45 | 18 24 | 17 33 | 5 31 |
| F 6 | 3 48 | 18 16 | 4 41 | 13 11 | 0 3 | 0 19 | 1 7 | 13 56 | 1 51 | 11 16 | 1 26 | 23 19 | 0 7 | 18 0 | 0 16 | 9 54 | 1 55 | 24 54 | 14 34 | 5 46 | 5 47 | 18 24 | 17 32 | 5 32 |
| S 7 | 3 24 | 16 56 | 3 56 | 13 14 | 0s 9 | 0n12 | 1 6 | 13 59 | 1 50 | 11 15 | 1 26 | 23 19 | 0 7 | 18 0 | 0 16 | 9 53 | 1 55 | 24 55 | 14 34 | 5 46 | 5 48 | 18 23 | 17 31 | 5 32 |
| S 8 | 3 1 | 14 30 | 2 56 | 13 14 | 0 22 | 0 43 | 1 4 | 14 1 | 1 49 | 11 13 | 1 26 | 23 19 | 0 7 | 18 0 | 0 16 | 9 53 | 1 55 | 24 55 | 14 34 | 5 46 | 5 49 | 18 23 | 17 31 | 5 32 |
| M 9 | 2 37 | 11 11 | 1 44 | 13 13 | 0 33 | 1 14 | 1 2 | 14 4 | 1 49 | 11 12 | 1 26 | 23 19 | 0 7 | 18 0 | 0 16 | 9 53 | 1 55 | 24 56 | 14 34 | 5 45 | 5 50 | 18 23 | 17 30 | 5 33 |
| T 10 | 2 14 | 7 13 | 0 27 | 13 9 | 0 44 | 1 45 | 1 1 | 14 6 | 1 48 | 11 10 | 1 26 | 23 19 | 0 7 | 18 0 | 0 16 | 9 52 | 1 55 | 24 56 | 14 34 | 5 45 | 5 52 | 18 23 | 17 29 | 5 33 |
| W11 | 1 50 | 2 53 | 0n51 | 13 4 | 0 55 | 2 16 | 0 59 | 14 8 | 1 47 | 11 8 | 1 26 | 23 19 | 0 7 | 17 59 | 0 16 | 9 52 | 1 55 | 24 57 | 14 34 | 5 45 | 5 53 | 18 23 | 17 28 | 5 34 |
| T 12 | 1 27 | 1s30 | 2 4 | 12 57 | 1 5 | 2 47 | 0 57 | 14 10 | 1 46 | 11 7 | 1 27 | 23 19 | 0 7 | 17 59 | 0 16 | 9 51 | 1 55 | 24 57 | 14 34 | 5 46 | 5 54 | 18 22 | 17 28 | 5 34 |
| F 13 | 1 3 | 5 43 | 3 9 | 12 48 | 1 15 | 3 18 | 0 55 | 14 12 | 1 46 | 11 5 | 1 27 | 23 19 | 0 7 | 17 59 | 0 16 | 9 51 | 1 55 | 24 57 | 14 34 | 5 46 | 5 55 | 18 22 | 17 27 | 5 35 |
| S 14 | 0 40 | 9 33 | 4 2 | 12 37 | 1 24 | 3 49 | 0 54 | 14 14 | 1 45 | 11 3 | 1 27 | 23 19 | 0 7 | 17 58 | 0 16 | 9 50 | 1 55 | 24 58 | 14 33 | 5 47 | 5 57 | 18 22 | 17 26 | 5 35 |
| S 15 | 0 16 | 12 49 | 4 41 | 12 24 | 1 32 | 4 20 | 0 52 | 14 15 | 1 44 | 11 1 | 1 27 | 23 20 | 0 6 | 17 58 | 0 16 | 9 50 | 1 55 | 24 58 | 14 33 | 5 47 | 5 58 | 18 22 | 17 26 | 5 36 |
| M16 | 0n 8 | 15 25 | 5 6 | 12 10 | 1 40 | 4 51 | 0 50 | 14 16 | 1 43 | 10 59 | 1 27 | 23 20 | 0 6 | 17 58 | 0 16 | 9 49 | 1 55 | 24 59 | 14 33 | 5 48 | 5 59 | 18 21 | 17 25 | 5 36 |
| T 17 | 0 31 | 17 15 | 5 16 | 11 54 | 1 48 | 5 21 | 0 48 | 14 17 | 1 42 | 10 57 | 1 27 | 23 20 | 0 6 | 17 57 | 0 16 | 9 49 | 1 55 | 24 59 | 14 33 | 5 49 | 6 0 | 18 21 | 17 24 | 5 37 |
| W18 | 0 55 | 18 17 | 5 12 | 11 36 | 1 54 | 5 52 | 0 46 | 14 18 | 1 41 | 10 55 | 1 27 | 23 20 | 0 6 | 17 57 | 0 16 | 9 48 | 1 55 | 24 59 | 14 33 | 5 49 | 6 1 | 18 21 | 17 24 | 5 37 |
| T 19 | 1 18 | 18 30 | 4 54 | 11 17 | 2 1 | 6 22 | 0 43 | 14 19 | 1 40 | 10 53 | 1 27 | 23 20 | 0 6 | 17 57 | 0 16 | 9 48 | 1 55 | 24 59 | 14 33 | 5 49 | 6 3 | 18 21 | 17 23 | 5 38 |
| F 20 | 1 42 | 17 54 | 4 24 | 10 56 | 2 6 | 6 53 | 0 41 | 14 19 | 1 39 | 10 51 | 1 27 | 23 20 | 0 6 | 17 56 | 0 16 | 9 47 | 1 55 | 25 0 | 14 32 | 5 49 | 6 4 | 18 20 | 17 22 | 5 38 |
| S 21 | 2 5 | 16 30 | 3 43 | 10 34 | 2 12 | 7 23 | 0 39 | 14 20 | 1 37 | 10 49 | 1 27 | 23 20 | 0 6 | 17 56 | 0 16 | 9 47 | 1 55 | 25 0 | 14 32 | 5 48 | 6 5 | 18 20 | 17 22 | 5 39 |
| S 22 | 2 29 | 14 23 | 2 51 | 10 10 | 2 16 | 7 53 | 0 37 | 14 20 | 1 36 | 10 46 | 1 28 | 23 20 | 0 6 | 17 56 | 0 16 | 9 46 | 1 55 | 25 0 | 14 32 | 5 48 | 6 6 | 18 20 | 17 21 | 5 39 |
| M23 | 2 52 | 11 35 | 1 51 | 9 44 | 2 21 | 8 22 | 0 35 | 14 20 | 1 35 | 10 44 | 1 28 | 23 20 | 0 6 | 17 55 | 0 16 | 9 45 | 1 55 | 25 1 | 14 32 | 5 47 | 6 8 | 18 19 | 17 20 | 5 40 |
| T 24 | 3 15 | 8 14 | 0 45 | 9 17 | 2 24 | 8 52 | 0 32 | 14 20 | 1 34 | 10 42 | 1 28 | 23 20 | 0 5 | 17 55 | 0 16 | 9 45 | 1 55 | 25 1 | 14 32 | 5 47 | 6 9 | 18 19 | 17 20 | 5 40 |
| W25 | 3 39 | 4 26 | 0s24 | 8 49 | 2 27 | 9 21 | 0 30 | 14 19 | 1 32 | 10 40 | 1 28 | 23 20 | 0 5 | 17 54 | 0 16 | 9 44 | 1 55 | 25 1 | 14 31 | 5 47 | 6 10 | 18 19 | 17 19 | 5 41 |
| T 26 | 4 2 | 0 20 | 1 34 | 8 19 | 2 30 | 9 50 | 0 28 | 14 19 | 1 31 | 10 37 | 1 28 | 23 20 | 0 5 | 17 54 | 0 16 | 9 44 | 1 55 | 25 1 | 14 31 | 5 47 | 6 11 | 18 19 | 17 18 | 5 41 |
| F 27 | 4 25 | 3n52 | 2 40 | 7 48 | 2 32 | 10 19 | 0 25 | 14 18 | 1 29 | 10 35 | 1 28 | 23 20 | 0 5 | 17 54 | 0 16 | 9 43 | 1 55 | 25 1 | 14 31 | 5 48 | 6 13 | 18 18 | 17 18 | 5 42 |
| S 28 | 4 48 | 7 57 | 3 39 | 7 15 | 2 33 | 10 48 | 0 23 | 14 17 | 1 28 | 10 32 | 1 28 | 23 20 | 0 5 | 17 53 | 0 16 | 9 43 | 1 55 | 25 2 | 14 31 | 5 49 | 6 14 | 18 18 | 17 17 | 5 42 |
| S 29 | 5 11 | 11 41 | 4 26 | 6 42 | 2 34 | 11 16 | 0 21 | 14 16 | 1 26 | 10 30 | 1 28 | 23 20 | 0 5 | 17 53 | 0 16 | 9 42 | 1 56 | 25 2 | 14 30 | 5 51 | 6 15 | 18 18 | 17 17 | 5 43 |
| M30 | 5 34 | 14 49 | 4 58 | 6 6 | 2 35 | 11 44 | 0 18 | 14 15 | 1 24 | 10 28 | 1 28 | 23 20 | 0 5 | 17 52 | 0 16 | 9 42 | 1 56 | 25 2 | 14 30 | 5 53 | 6 16 | 18 17 | 17 16 | 5 43 |
| T 31 | 5n57 | 17n 7 | 5s12 | 5s30 | 2s34 | 12n12 | 0s16 | 14s13 | 1n23 | 10s25 | 1n28 | 23n20 | 0s 5 | 17s52 | 0n16 | 9s41 | 1n56 | 25n 2 | 14n30 | 5n54 | 6n17 | 18s17 | 17s15 | 5n44 |

Julian Day Number = 2076870.5, Delta T = 26m36s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'36, Lahiri = 9°33'36 Julian Calendar 1 March 974 == Greg. Calendar 6 March 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## APRIL 974 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 56 32 | 15♈58'43 | 25♊32 | 23♓42 | 3♉51 | 11°R52 | 0°R37 | 6♋39 | 21°R 2 | 29°R50 | 29°R58 | 15°R 3 | 14♍ 3 | 15♑47 | 12♑44 | W 1 |
| T 2 | 13 0 28 | 16°57'09 | 9♋45 | 25°17 | 5° 5 | 11♏40 | 0♏30 | 6°42 | 21♏ 0 | 29♎49 | 29♌57 | 15♍ 2 | 13°59 | 15°54 | 12°45 | T 2 |
| F 3 | 13 4 25 | 17°55'33 | 23°56 | 26°54 | 6°18 | 11°27 | 0°23 | 6°46 | 20°58 | 29°47 | 29°56 | 15°D 2 | 13°56 | 16° 0 | 12°45 | F 3 |
| S 4 | 13 8 22 | 18°53'55 | 8♌ 5 | 28°33 | 7°32 | 11°14 | 0°15 | 6°49 | 20°56 | 29°46 | 29°55 | 15° 3 | 13°53 | 16° 7 | 12°46 | S 4 |
| S 5 | 13 12 18 | 19°52'15 | 22° 9 | 0♈13 | 8°46 | 11° 1 | 0° 8 | 6°52 | 20°54 | 29°44 | 29°54 | 15° 4 | 13°50 | 16°14 | 12°47 | S 5 |
| M 6 | 13 16 15 | 20°50'33 | 6♍ 8 | 1°56 | 9°59 | 10°46 | 0° 1 | 6°56 | 20°52 | 29°43 | 29°53 | 15° 5 | 13°47 | 16°20 | 12°48 | M 6 |
| T 7 | 13 20 11 | 21°48'48 | 19°58 | 3°40 | 11°13 | 10°31 | 29♎53 | 7° 0 | 20°50 | 29°41 | 29°52 | 15°R 6 | 13°43 | 16°27 | 12°48 | T 7 |
| W 8 | 13 24 8 | 22°47'02 | 3♎38 | 5°25 | 12°26 | 10°15 | 29°46 | 7° 3 | 20°48 | 29°39 | 29°51 | 15° 4 | 13°40 | 16°34 | 12°49 | W 8 |
| T 9 | 13 28 4 | 23°45'14 | 17° 7 | 7°13 | 13°39 | 9°59 | 29°38 | 7° 7 | 20°46 | 29°38 | 29°51 | 15° 1 | 13°37 | 16°40 | 12°49 | T 9 |
| F 10 | 13 32 1 | 24°43'23 | 0♏22 | 9° 2 | 14°53 | 9°42 | 29°31 | 7°11 | 20°44 | 29°36 | 29°50 | 14°56 | 13°34 | 16°47 | 12°50 | F 10 |
| S 11 | 13 35 57 | 25°41'31 | 13°21 | 10°53 | 16° 6 | 9°25 | 29°23 | 7°15 | 20°41 | 29°34 | 29°49 | 14°49 | 13°31 | 16°54 | 12°50 | S 11 |
| S 12 | 13 39 54 | 26°39'38 | 26° 5 | 12°46 | 17°20 | 9° 7 | 29°15 | 7°19 | 20°39 | 29°33 | 29°48 | 14°42 | 13°28 | 17° 1 | 12°50 | S 12 |
| M13 | 13 43 51 | 27°37'43 | 8♐33 | 14°40 | 18°33 | 8°48 | 29° 8 | 7°23 | 20°37 | 29°31 | 29°48 | 14°35 | 13°24 | 17° 7 | 12°50 | M13 |
| T 14 | 13 47 47 | 28°35'46 | 20°47 | 16°37 | 19°46 | 8°29 | 29° 0 | 7°28 | 20°35 | 29°30 | 29°47 | 14°28 | 13°21 | 17°14 | 12°R50 | T 14 |
| W15 | 13 51 44 | 29°33'48 | 2♑50 | 18°35 | 20°59 | 8°10 | 28°52 | 7°32 | 20°33 | 29°28 | 29°46 | 14°23 | 13°18 | 17°21 | 12°50 | W15 |
| T 16 | 13 55 40 | 0♑31'49 | 14°45 | 20°34 | 22°13 | 7°50 | 28°45 | 7°36 | 20°30 | 29°26 | 29°46 | 14°20 | 13°15 | 17°27 | 12°50 | T 16 |
| F 17 | 13 59 37 | 1°29'48 | 26°36 | 22°36 | 23°26 | 7°30 | 28°37 | 7°41 | 20°28 | 29°25 | 29°45 | 14°D18 | 13°12 | 17°34 | 12°50 | F 17 |
| S 18 | 14 3 33 | 2°27'45 | 8♒29 | 24°39 | 24°39 | 7° 9 | 28°29 | 7°45 | 20°26 | 29°23 | 29°45 | 14°18 | 13° 9 | 17°41 | 12°50 | S 18 |
| S 19 | 14 7 30 | 3°25'42 | 20°28 | 26°43 | 25°52 | 6°49 | 28°22 | 7°50 | 20°23 | 29°21 | 29°44 | 14°19 | 13° 5 | 17°47 | 12°50 | S 19 |
| M20 | 14 11 26 | 4°23'36 | 2♓39 | 28°49 | 27° 5 | 6°28 | 28°14 | 7°55 | 20°21 | 29°20 | 29°43 | 14°21 | 13° 2 | 17°54 | 12°49 | M20 |
| T 21 | 14 15 23 | 5°21'30 | 15° 5 | 0♉56 | 28°18 | 6° 6 | 28° 7 | 8° 0 | 20°19 | 29°18 | 29°43 | 14°R21 | 12°59 | 18° 1 | 12°49 | T 21 |
| W22 | 14 19 19 | 6°19'22 | 27°52 | 3° 5 | 29°31 | 5°45 | 27°59 | 8° 5 | 20°16 | 29°17 | 29°43 | 14°20 | 12°56 | 18° 8 | 12°48 | W22 |
| T 23 | 14 23 16 | 7°17'13 | 11♈ 1 | 5°14 | 0♊44 | 5°23 | 27°52 | 8°10 | 20°14 | 29°15 | 29°42 | 14°17 | 12°53 | 18°14 | 12°48 | T 23 |
| F 24 | 14 27 13 | 8°15'03 | 24°34 | 7°24 | 1°57 | 5° 2 | 27°44 | 8°15 | 20°12 | 29°13 | 29°42 | 14°12 | 12°49 | 18°21 | 12°47 | F 24 |
| S 25 | 14 31 9 | 9°12'51 | 8♉28 | 9°35 | 3°10 | 4°40 | 27°37 | 8°20 | 20° 9 | 29°12 | 29°41 | 14° 5 | 12°46 | 18°28 | 12°46 | S 25 |
| S 26 | 14 35 6 | 10°10'37 | 22°41 | 11°46 | 4°23 | 4°19 | 27°29 | 8°25 | 20° 7 | 29°10 | 29°41 | 13°56 | 12°43 | 18°34 | 12°45 | S 26 |
| M27 | 14 39 2 | 11° 8'23 | 7♊ 7 | 13°57 | 5°36 | 3°57 | 27°22 | 8°30 | 20° 4 | 29° 8 | 29°41 | 13°47 | 12°40 | 18°41 | 12°44 | M27 |
| T 28 | 14 42 59 | 12° 6'07 | 21°39 | 16° 8 | 6°48 | 3°36 | 27°15 | 8°36 | 20° 2 | 29° 7 | 29°41 | 13°39 | 12°37 | 18°48 | 12°43 | T 28 |
| W29 | 14 46 55 | 13° 3'49 | 6♋12 | 18°19 | 8° 1 | 3°15 | 27° 8 | 8°41 | 19°59 | 29° 5 | 29°40 | 13°32 | 12°34 | 18°54 | 12°42 | W29 |
| T 30 | 14 50 52 | 14♉ 1'29 | 20♋38 | 20♉28 | 9♊14 | 2♏54 | 27♎ 1 | 8♋47 | 19♏57 | 29♎ 4 | 29♌40 | 13♍28 | 12♍30 | 19♑ 1 | 12♑41 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n19 | 18n22 | 5s 8 | 4s52 | 2s34 | 12n40 | 0s13 | 14s12 | 1n21 | 10s23 | 1n28 | 23n20 | 0s 5 | 17s51 | 0n16 | 9s40 | 1n56 | 25n 2 | 14n30 | 5n55 | 6n19 | 18s17 | 17s15 | 5n44 |
| T 2 | 6 42 | 18 29 | 4 44 | 4 13 | 2 33 | 13 7 | 0 11 | 14 10 | 1 19 | 10 20 | 1 28 | 23 19 | 0 4 | 17 51 | 0 16 | 9 40 | 1 56 | 25 2 | 14 29 | 5 56 | 6 20 | 18 17 | 17 14 | 5 45 |
| F 3 | 7 4 | 17 26 | 4 4 | 3 32 | 2 31 | 13 34 | 0 8 | 14 8 | 1 17 | 10 17 | 1 28 | 23 19 | 0 4 | 17 50 | 0 16 | 9 39 | 1 56 | 25 2 | 14 29 | 5 56 | 6 21 | 18 16 | 17 14 | 5 45 |
| S 4 | 7 26 | 15 19 | 3 8 | 2 51 | 2 29 | 14 1 | 0 5 | 14 5 | 1 15 | 10 15 | 1 28 | 23 19 | 0 4 | 17 50 | 0 16 | 9 39 | 1 56 | 25 3 | 14 29 | 5 55 | 6 22 | 18 16 | 17 13 | 5 46 |
| S 5 | 7 49 | 12 17 | 2 2 | 2 8 | 2 26 | 14 27 | 0 3 | 14 3 | 1 13 | 10 12 | 1 28 | 23 19 | 0 4 | 17 49 | 0 16 | 9 38 | 1 56 | 25 3 | 14 29 | 5 55 | 6 24 | 18 16 | 17 12 | 5 46 |
| M 6 | 8 11 | 8 33 | 0 49 | 1 24 | 2 22 | 14 53 | 0 0 | 14 0 | 1 11 | 10 10 | 1 28 | 23 19 | 0 4 | 17 49 | 0 16 | 9 38 | 1 56 | 25 3 | 14 28 | 5 54 | 6 25 | 18 15 | 17 12 | 5 47 |
| T 7 | 8 33 | 4 24 | 0n27 | 0 39 | 2 19 | 15 19 | 0n 2 | 13 58 | 1 9 | 10 7 | 1 28 | 23 19 | 0 4 | 17 48 | 0 16 | 9 37 | 1 56 | 25 3 | 14 28 | 5 54 | 6 26 | 18 15 | 17 11 | 5 47 |
| W 8 | 8 54 | 0 4 | 1 39 | 0n 7 | 2 14 | 15 44 | 0 5 | 13 55 | 1 7 | 10 4 | 1 28 | 23 19 | 0 4 | 17 48 | 0 16 | 9 36 | 1 56 | 25 3 | 14 28 | 5 55 | 6 27 | 18 15 | 17 11 | 5 48 |
| T 9 | 9 16 | 4s13 | 2 45 | 0 54 | 2 9 | 16 9 | 0 8 | 13 52 | 1 5 | 10 2 | 1 28 | 23 19 | 0 4 | 17 47 | 0 16 | 9 36 | 1 56 | 25 3 | 14 27 | 5 56 | 6 29 | 18 14 | 17 10 | 5 48 |
| F 10 | 9 38 | 8 13 | 3 41 | 1 42 | 2 4 | 16 33 | 0 10 | 13 49 | 1 2 | 9 59 | 1 28 | 23 19 | 0 4 | 17 46 | 0 16 | 9 35 | 1 56 | 25 3 | 14 27 | 5 58 | 6 30 | 18 14 | 17 10 | 5 49 |
| S 11 | 9 59 | 11 44 | 4 24 | 2 31 | 1 58 | 16 57 | 0 13 | 13 45 | 1 0 | 9 57 | 1 28 | 23 19 | 0 4 | 17 46 | 0 16 | 9 35 | 1 56 | 25 3 | 14 27 | 6 1 | 6 31 | 18 14 | 17 9 | 5 49 |
| S 12 | 10 20 | 14 38 | 4 53 | 3 22 | 1 51 | 17 21 | 0 15 | 13 42 | 0 58 | 9 54 | 1 28 | 23 19 | 0 3 | 17 45 | 0 16 | 9 34 | 1 56 | 25 3 | 14 26 | 6 3 | 6 32 | 18 13 | 17 9 | 5 50 |
| M13 | 10 41 | 16 48 | 5 7 | 4 12 | 1 44 | 17 44 | 0 18 | 13 38 | 0 55 | 9 51 | 1 28 | 23 18 | 0 3 | 17 45 | 0 16 | 9 34 | 1 56 | 25 3 | 14 26 | 6 6 | 6 33 | 18 13 | 17 8 | 5 50 |
| T 14 | 11 2 | 18 9 | 5 7 | 5 4 | 1 37 | 18 6 | 0 21 | 13 35 | 0 53 | 9 49 | 1 28 | 23 18 | 0 3 | 17 44 | 0 16 | 9 33 | 1 56 | 25 3 | 14 26 | 6 9 | 6 35 | 18 13 | 17 7 | 5 51 |
| W15 | 11 23 | 18 39 | 4 53 | 5 57 | 1 29 | 18 29 | 0 23 | 13 31 | 0 50 | 9 46 | 1 28 | 23 18 | 0 3 | 17 43 | 0 16 | 9 32 | 1 56 | 25 3 | 14 26 | 6 11 | 6 36 | 18 12 | 17 7 | 5 51 |
| T 16 | 11 43 | 18 20 | 4 27 | 6 50 | 1 21 | 18 50 | 0 26 | 13 27 | 0 48 | 9 43 | 1 28 | 23 18 | 0 3 | 17 43 | 0 16 | 9 32 | 1 56 | 25 3 | 14 25 | 6 12 | 6 37 | 18 12 | 17 6 | 5 52 |
| F 17 | 12 4 | 17 12 | 3 49 | 7 43 | 1 12 | 19 12 | 0 29 | 13 23 | 0 45 | 9 41 | 1 28 | 23 18 | 0 3 | 17 42 | 0 16 | 9 31 | 1 56 | 25 2 | 14 25 | 6 13 | 6 38 | 18 12 | 17 6 | 5 52 |
| S 18 | 12 24 | 15 19 | 3 1 | 8 37 | 1 3 | 19 32 | 0 31 | 13 19 | 0 42 | 9 38 | 1 28 | 23 18 | 0 3 | 17 42 | 0 16 | 9 31 | 1 56 | 25 2 | 14 25 | 6 13 | 6 40 | 18 11 | 17 6 | 5 53 |
| S 19 | 12 44 | 12 46 | 2 5 | 9 31 | 0 54 | 19 52 | 0 34 | 13 14 | 0 40 | 9 35 | 1 28 | 23 17 | 0 3 | 17 41 | 0 16 | 9 30 | 1 56 | 25 2 | 14 24 | 6 12 | 6 41 | 18 11 | 17 5 | 5 53 |
| M20 | 13 3 | 9 37 | 1 3 | 10 26 | 0 44 | 20 12 | 0 36 | 13 10 | 0 37 | 9 33 | 1 27 | 23 17 | 0 3 | 17 40 | 0 16 | 9 30 | 1 56 | 25 2 | 14 24 | 6 12 | 6 42 | 18 11 | 17 5 | 5 54 |
| T 21 | 13 23 | 5 58 | 0s 4 | 11 20 | 0 34 | 20 31 | 0 39 | 13 6 | 0 34 | 9 30 | 1 27 | 23 17 | 0 3 | 17 40 | 0 16 | 9 29 | 1 56 | 25 2 | 14 23 | 6 12 | 6 43 | 18 10 | 17 4 | 5 54 |
| W22 | 13 42 | 1 57 | 1 12 | 12 14 | 0 24 | 20 50 | 0 41 | 13 1 | 0 31 | 9 27 | 1 27 | 23 17 | 0 2 | 17 39 | 0 16 | 9 28 | 1 56 | 25 2 | 14 23 | 6 12 | 6 44 | 18 10 | 17 4 | 5 55 |
| T 23 | 14 1 | 2n16 | 2 18 | 13 8 | 0 13 | 21 8 | 0 44 | 12 57 | 0 28 | 9 25 | 1 27 | 23 17 | 0 2 | 17 39 | 0 16 | 9 28 | 1 56 | 25 2 | 14 23 | 6 13 | 6 46 | 18 9 | 17 3 | 5 55 |
| F 24 | 14 20 | 6 29 | 3 19 | 14 1 | 0 3 | 21 25 | 0 47 | 12 52 | 0 26 | 9 22 | 1 27 | 23 16 | 0 2 | 17 38 | 0 16 | 9 27 | 1 56 | 25 1 | 14 22 | 6 15 | 6 47 | 18 9 | 17 3 | 5 56 |
| S 25 | 14 39 | 10 29 | 4 9 | 14 53 | 0n 8 | 21 42 | 0 49 | 12 48 | 0 23 | 9 20 | 1 27 | 23 16 | 0 2 | 17 37 | 0 16 | 9 27 | 1 56 | 25 1 | 14 22 | 6 18 | 6 48 | 18 9 | 17 2 | 5 56 |
| S 26 | 14 57 | 13 57 | 4 44 | 15 45 | 0 19 | 21 59 | 0 52 | 12 43 | 0 20 | 9 17 | 1 27 | 23 16 | 0 2 | 17 37 | 0 16 | 9 26 | 1 56 | 25 1 | 14 22 | 6 21 | 6 49 | 18 8 | 17 2 | 5 57 |
| M27 | 15 15 | 16 38 | 5 3 | 16 34 | 0 29 | 22 14 | 0 54 | 12 39 | 0 17 | 9 15 | 1 27 | 23 16 | 0 2 | 17 36 | 0 16 | 9 26 | 1 56 | 25 1 | 14 21 | 6 25 | 6 51 | 18 8 | 17 2 | 5 57 |
| T 28 | 15 33 | 18 17 | 5 2 | 17 23 | 0 39 | 22 29 | 0 56 | 12 34 | 0 14 | 9 12 | 1 26 | 23 15 | 0 2 | 17 35 | 0 16 | 9 25 | 1 56 | 25 1 | 14 21 | 6 28 | 6 52 | 18 8 | 17 1 | 5 58 |
| W29 | 15 51 | 18 44 | 4 42 | 18 10 | 0 49 | 22 44 | 0 59 | 12 30 | 0 11 | 9 10 | 1 26 | 23 15 | 0 2 | 17 35 | 0 16 | 9 25 | 1 56 | 25 0 | 14 21 | 6 30 | 6 53 | 18 7 | 17 1 | 5 58 |
| T 30 | 16n 8 | 17n58 | 4s 3 | 18n55 | 0n59 | 22n58 | 1n 1 | 12s25 | 0n 8 | 9s 7 | 1n26 | 23n15 | 0s 2 | 17s34 | 0n16 | 9s24 | 1n56 | 25n 0 | 14n20 | 6n32 | 6n54 | 18s 7 | 17s 0 | 5n59 |

Julian Day Number = 2076901.5, Delta T = 26m35s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'40, Lahiri = 9°33'40 Julian Calendar 1 Apr. 974 == Greg. Calendar 6 Apr. 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## MAY 974 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 54 48 | 14♉59'08 | 4♌55 | 22♉37 | 10♊27 | 2°R33 | 26°R54 | 8♋52 | 19°R54 | 29°R 2 | 29°R40 | 13°R26 | 12♍27 | 19♎ 8 | 12°R40 | F 1 |
| S 2 | 14 58 45 | 15°56'46 | 19° 0 | 24°44 | 11°39 | 2♏13 | 26♎47 | 8°58 | 19♏52 | 29♎ 1 | 29♌40 | 13°D25 | 12°24 | 19°15 | 12♏39 | S 2 |
| S 3 | 15 2 42 | 16°54'21 | 2♍53 | 26°50 | 12°52 | 1°53 | 26°40 | 9° 4 | 19°49 | 28°59 | 29°40 | 13♍26 | 12°21 | 19°21 | 12°37 | S 3 |
| M 4 | 15 6 38 | 17°51'55 | 16°33 | 28°54 | 14° 5 | 1°34 | 26°33 | 9° 9 | 19°47 | 28°58 | 29°40 | 13°R26 | 12°18 | 19°28 | 12°36 | M 4 |
| T 5 | 15 10 35 | 18°49'28 | 0♎ 1 | 0♊56 | 15°17 | 1°15 | 26°27 | 9°15 | 19°44 | 28°56 | 29°40 | 13°25 | 12°14 | 19°35 | 12°34 | T 5 |
| W 6 | 15 14 31 | 19°46'59 | 13°18 | 2°56 | 16°30 | 0°56 | 26°20 | 9°21 | 19°42 | 28°55 | 29°D40 | 13°22 | 12°11 | 19°41 | 12°33 | W 6 |
| T 7 | 15 18 28 | 20°44'29 | 26°23 | 4°54 | 17°42 | 0°38 | 26°14 | 9°27 | 19°39 | 28°53 | 29°40 | 13°16 | 12° 8 | 19°48 | 12°31 | T 7 |
| F 8 | 15 22 24 | 21°41'58 | 9♏17 | 6°49 | 18°54 | 0°20 | 26° 7 | 9°33 | 19°37 | 28°52 | 29°40 | 13° 7 | 12° 5 | 19°55 | 12°29 | F 8 |
| S 9 | 15 26 21 | 22°39'25 | 22° 0 | 8°42 | 20° 7 | 0° 3 | 26° 1 | 9°39 | 19°34 | 28°50 | 29°40 | 12°56 | 12° 2 | 20° 1 | 12°28 | S 9 |
| S 10 | 15 30 17 | 23°36'52 | 4♐31 | 10°32 | 21°19 | 29♎47 | 25°55 | 9°45 | 19°32 | 28°49 | 29°40 | 12°44 | 11°59 | 20° 8 | 12°26 | S 10 |
| M11 | 15 34 14 | 24°34'17 | 16°50 | 12°19 | 22°31 | 29°31 | 25°49 | 9°52 | 19°30 | 28°47 | 29°40 | 12°32 | 11°55 | 20°15 | 12°24 | M11 |
| T 12 | 15 38 11 | 25°31'42 | 28°58 | 14° 4 | 23°44 | 29°16 | 25°43 | 9°58 | 19°27 | 28°46 | 29°40 | 12°21 | 11°52 | 20°21 | 12°22 | T 12 |
| W13 | 15 42 7 | 26°29'05 | 10♑57 | 15°46 | 24°56 | 29° 1 | 25°38 | 10° 4 | 19°25 | 28°44 | 29°40 | 12°11 | 11°49 | 20°28 | 12°20 | W13 |
| T 14 | 15 46 4 | 27°26'28 | 22°50 | 17°25 | 26° 8 | 28°48 | 25°32 | 10°10 | 19°22 | 28°43 | 29°41 | 12° 4 | 11°46 | 20°35 | 12°18 | T 14 |
| F 15 | 15 50 0 | 28°23'51 | 4♒40 | 19° 2 | 27°20 | 28°35 | 25°26 | 10°17 | 19°20 | 28°42 | 29°41 | 11°59 | 11°43 | 20°42 | 12°16 | F 15 |
| S 16 | 15 53 57 | 29°21'12 | 16°31 | 20°35 | 28°32 | 28°22 | 25°21 | 10°23 | 19°17 | 28°40 | 29°41 | 11°57 | 11°40 | 20°48 | 12°14 | S 16 |
| S 17 | 15 57 53 | 0♊18'33 | 28°29 | 22° 6 | 29°44 | 28°11 | 25°16 | 10°30 | 19°15 | 28°39 | 29°42 | 11°D56 | 11°36 | 20°55 | 12°11 | S 17 |
| M18 | 16 1 50 | 1°15'53 | 10♓38 | 23°34 | 0♋56 | 28° 0 | 25°11 | 10°36 | 19°12 | 28°38 | 29°42 | 11°R56 | 11°33 | 21° 2 | 12° 9 | M18 |
| T 19 | 16 5 46 | 2°13'13 | 23° 4 | 24°59 | 2° 8 | 27°50 | 25° 6 | 10°43 | 19°10 | 28°36 | 29°42 | 11°56 | 11°30 | 21° 8 | 12° 7 | T 19 |
| W20 | 16 9 43 | 3°10'32 | 5♈52 | 26°21 | 3°20 | 27°41 | 25° 1 | 10°50 | 19° 8 | 28°35 | 29°43 | 11°54 | 11°27 | 21°15 | 12° 4 | W20 |
| T 21 | 16 13 40 | 4° 7'51 | 19° 5 | 27°40 | 4°32 | 27°32 | 24°57 | 10°56 | 19° 5 | 28°34 | 29°43 | 11°50 | 11°24 | 21°22 | 12° 2 | T 21 |
| F 22 | 16 17 36 | 5° 5'09 | 2♉46 | 28°56 | 5°44 | 27°25 | 24°52 | 11° 3 | 19° 3 | 28°33 | 29°44 | 11°44 | 11°20 | 21°28 | 11°59 | F 22 |
| S 23 | 16 21 33 | 6° 2'27 | 16°54 | 0♌ 9 | 6°56 | 27°18 | 24°48 | 11°10 | 19° 0 | 28°31 | 29°44 | 11°35 | 11°17 | 21°35 | 11°57 | S 23 |
| S 24 | 16 25 29 | 6°59'44 | 1♊26 | 1°18 | 8° 8 | 27°12 | 24°44 | 11°17 | 18°58 | 28°30 | 29°45 | 11°24 | 11°14 | 21°42 | 11°54 | S 24 |
| M25 | 16 29 26 | 7°57'00 | 16°14 | 2°25 | 9°19 | 27° 7 | 24°40 | 11°24 | 18°56 | 28°29 | 29°45 | 11°13 | 11°11 | 21°48 | 11°51 | M25 |
| T 26 | 16 33 22 | 8°54'16 | 1♋10 | 3°28 | 10°31 | 27° 3 | 24°36 | 11°31 | 18°54 | 28°28 | 29°46 | 11° 3 | 11° 8 | 21°55 | 11°48 | T 26 |
| W27 | 16 37 19 | 9°51'32 | 16° 5 | 4°28 | 11°43 | 26°59 | 24°32 | 11°38 | 18°51 | 28°27 | 29°47 | 10°54 | 11° 5 | 22° 2 | 11°46 | W27 |
| T 28 | 16 41 15 | 10°48'46 | 0♌52 | 5°25 | 12°54 | 26°56 | 24°29 | 11°45 | 18°49 | 28°26 | 29°47 | 10°48 | 11° 1 | 22° 9 | 11°43 | T 28 |
| F 29 | 16 45 12 | 11°46'00 | 15°23 | 6°18 | 14° 6 | 26°55 | 24°26 | 11°52 | 18°47 | 28°25 | 29°48 | 10°44 | 10°58 | 22°15 | 11°40 | F 29 |
| S 30 | 16 49 9 | 12°43'13 | 29°35 | 7° 7 | 15°17 | 26°54 | 24°23 | 11°59 | 18°45 | 28°23 | 29°49 | 10°43 | 10°55 | 22°22 | 11°37 | S 30 |
| S 31 | 16 53 5 | 13♊40'25 | 13♍27 | 7♋53 | 16♋29 | 26°D54 | 24♎20 | 12♋ 6 | 18♏42 | 28♎22 | 29♌49 | 10♍43 | 10♍52 | 22♎29 | 11♎34 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 16n25 | 16n 3 | 3s11 | 19n38 | 1n 8 | 23n11 | 1n 4 | 12s21 | 0n 5 | 9s 5 | 1n26 | 23n15 | 0s 2 | 17s33 | 0n16 | 9s23 | 1n56 | 25n 0 | 14n20 | 6n33 | 6n55 | 18s 6 | 17s 0 | 5n59 | F 1 |
| S 2 | 16 42 | 13 12 | 2 7 | 20 18 | 1 17 | 23 24 | 1 6 | 12 17 | 0 2 | 9 3 | 1 26 | 23 14 | 0 2 | 17 33 | 0 16 | 9 23 | 1 56 | 24 59 | 14 20 | 6 33 | 6 57 | 18 6 | 17 0 | 6 0 | S 2 |
| S 3 | 16 59 | 9 38 | 0 56 | 20 56 | 1 25 | 23 35 | 1 8 | 12 13 | 0s 1 | 9 0 | 1 26 | 23 14 | 0 1 | 17 32 | 0 16 | 9 22 | 1 56 | 24 59 | 14 19 | 6 33 | 6 58 | 18 6 | 16 59 | 6 0 | S 3 |
| M 4 | 17 15 | 5 36 | 0n17 | 21 32 | 1 33 | 23 47 | 1 10 | 12 9 | 0 4 | 8 58 | 1 26 | 23 14 | 0 1 | 17 31 | 0 16 | 9 22 | 1 56 | 24 59 | 14 19 | 6 33 | 6 59 | 18 5 | 16 59 | 6 1 | M 4 |
| T 5 | 17 31 | 1 20 | 1 27 | 22 6 | 1 40 | 23 57 | 1 13 | 12 5 | 0 7 | 8 56 | 1 25 | 23 13 | 0 1 | 17 31 | 0 16 | 9 21 | 1 55 | 24 58 | 14 18 | 6 33 | 7 0 | 18 5 | 16 59 | 6 1 | T 5 |
| W 6 | 17 47 | 2s57 | 2 32 | 22 36 | 1 47 | 24 7 | 1 15 | 12 1 | 0 10 | 8 54 | 1 25 | 23 13 | 0 1 | 17 30 | 0 16 | 9 21 | 1 55 | 24 58 | 14 18 | 6 34 | 7 2 | 18 4 | 16 58 | 6 2 | W 6 |
| T 7 | 18 2 | 7 1 | 3 27 | 23 4 | 1 53 | 24 16 | 1 17 | 11 57 | 0 13 | 8 52 | 1 25 | 23 13 | 0 1 | 17 29 | 0 16 | 9 20 | 1 55 | 24 58 | 14 18 | 6 37 | 7 3 | 18 4 | 16 58 | 6 2 | T 7 |
| F 8 | 18 17 | 10 42 | 4 11 | 23 30 | 1 58 | 24 25 | 1 19 | 11 54 | 0 16 | 8 49 | 1 25 | 23 12 | 0 1 | 17 29 | 0 16 | 9 20 | 1 55 | 24 57 | 14 17 | 6 40 | 7 4 | 18 4 | 16 58 | 6 2 | F 8 |
| S 9 | 18 32 | 13 49 | 4 42 | 23 53 | 2 2 | 24 33 | 1 21 | 11 50 | 0 18 | 8 47 | 1 25 | 23 12 | 0 1 | 17 28 | 0 16 | 9 19 | 1 55 | 24 57 | 14 17 | 6 44 | 7 5 | 18 3 | 16 58 | 6 3 | S 9 |
| S 10 | 18 47 | 16 16 | 4 59 | 24 13 | 2 6 | 24 40 | 1 23 | 11 47 | 0 21 | 8 45 | 1 24 | 23 12 | 0 1 | 17 27 | 0 16 | 9 19 | 1 55 | 24 57 | 14 17 | 6 49 | 7 6 | 18 3 | 16 57 | 6 3 | S 10 |
| M11 | 19 1 | 17 55 | 5 1 | 24 31 | 2 9 | 24 46 | 1 25 | 11 44 | 0 24 | 8 43 | 1 24 | 23 11 | 0 1 | 17 27 | 0 16 | 9 18 | 1 55 | 24 56 | 14 16 | 6 54 | 7 8 | 18 2 | 16 57 | 6 4 | M11 |
| T 12 | 19 15 | 18 45 | 4 49 | 24 46 | 2 11 | 24 52 | 1 27 | 11 42 | 0 27 | 8 41 | 1 24 | 23 11 | 0 1 | 17 26 | 0 16 | 9 18 | 1 55 | 24 56 | 14 16 | 6 58 | 7 9 | 18 2 | 16 57 | 6 4 | T 12 |
| W13 | 19 28 | 18 43 | 4 25 | 24 59 | 2 12 | 24 57 | 1 29 | 11 39 | 0 30 | 8 40 | 1 24 | 23 11 | 0 0 | 17 25 | 0 16 | 9 17 | 1 55 | 24 55 | 14 15 | 7 2 | 7 10 | 18 1 | 16 57 | 6 5 | W13 |
| T 14 | 19 42 | 17 51 | 3 49 | 25 10 | 2 12 | 25 1 | 1 30 | 11 37 | 0 32 | 8 38 | 1 24 | 23 10 | 0 0 | 17 25 | 0 16 | 9 17 | 1 55 | 24 55 | 14 15 | 7 4 | 7 11 | 18 1 | 16 56 | 6 5 | T 14 |
| F 15 | 19 55 | 16 13 | 3 4 | 25 19 | 2 12 | 25 5 | 1 32 | 11 34 | 0 35 | 8 36 | 1 23 | 23 10 | 0 0 | 17 24 | 0 16 | 9 16 | 1 55 | 24 55 | 14 15 | 7 6 | 7 12 | 18 0 | 16 56 | 6 5 | F 15 |
| S 16 | 20 7 | 13 54 | 2 11 | 25 25 | 2 11 | 25 7 | 1 34 | 11 33 | 0 38 | 8 34 | 1 23 | 23 9 | 0 0 | 17 23 | 0 16 | 9 16 | 1 55 | 24 54 | 14 14 | 7 7 | 7 14 | 18 0 | 16 56 | 6 6 | S 16 |
| S 17 | 20 20 | 10 58 | 1 11 | 25 29 | 2 9 | 25 10 | 1 35 | 11 31 | 0 40 | 8 32 | 1 23 | 23 9 | 0 0 | 17 23 | 0 16 | 9 16 | 1 55 | 24 54 | 14 14 | 7 7 | 7 15 | 18 0 | 16 56 | 6 6 | S 17 |
| M18 | 20 32 | 7 31 | 0 7 | 25 31 | 2 7 | 25 11 | 1 37 | 11 29 | 0 43 | 8 31 | 1 23 | 23 9 | 0 0 | 17 22 | 0 16 | 9 15 | 1 55 | 24 53 | 14 13 | 7 7 | 7 16 | 17 59 | 16 56 | 6 7 | M18 |
| T 19 | 20 43 | 3 40 | 0s59 | 25 32 | 2 4 | 25 12 | 1 38 | 11 28 | 0 46 | 8 29 | 1 22 | 23 8 | 0n 0 | 17 21 | 0 16 | 9 15 | 1 55 | 24 53 | 14 13 | 7 7 | 7 17 | 17 59 | 16 55 | 6 7 | T 19 |
| W20 | 20 54 | 0n28 | 2 3 | 25 31 | 2 0 | 25 11 | 1 40 | 11 27 | 0 48 | 8 28 | 1 22 | 23 8 | 0 0 | 17 21 | 0 16 | 9 14 | 1 55 | 24 52 | 14 13 | 7 8 | 7 19 | 17 58 | 16 55 | 6 7 | W20 |
| T 21 | 21 5 | 4 42 | 3 3 | 25 28 | 1 55 | 25 11 | 1 41 | 11 26 | 0 51 | 8 26 | 1 22 | 23 7 | 0 0 | 17 20 | 0 16 | 9 14 | 1 55 | 24 52 | 14 12 | 7 10 | 7 20 | 17 58 | 16 55 | 6 8 | T 21 |
| F 22 | 21 16 | 8 50 | 3 55 | 25 23 | 1 49 | 25 9 | 1 43 | 11 26 | 0 53 | 8 25 | 1 22 | 23 7 | 0 0 | 17 19 | 0 16 | 9 13 | 1 55 | 24 51 | 14 12 | 7 12 | 7 21 | 17 57 | 16 55 | 6 8 | F 22 |
| S 23 | 21 26 | 12 36 | 4 34 | 25 17 | 1 43 | 25 7 | 1 44 | 11 26 | 0 55 | 8 24 | 1 21 | 23 6 | 0 0 | 17 19 | 0 16 | 9 13 | 1 55 | 24 51 | 14 12 | 7 16 | 7 22 | 17 57 | 16 55 | 6 8 | S 23 |
| S 24 | 21 36 | 15 43 | 4 56 | 25 10 | 1 36 | 25 4 | 1 45 | 11 26 | 0 58 | 8 22 | 1 21 | 23 6 | 0 1 | 17 18 | 0 16 | 9 13 | 1 55 | 24 50 | 14 11 | 7 20 | 7 23 | 17 56 | 16 55 | 6 9 | S 24 |
| M25 | 21 45 | 17 53 | 4 59 | 25 1 | 1 28 | 25 0 | 1 46 | 11 26 | 1 0 | 8 21 | 1 21 | 23 5 | 0 1 | 17 18 | 0 16 | 9 12 | 1 55 | 24 49 | 14 11 | 7 24 | 7 25 | 17 56 | 16 55 | 6 9 | M25 |
| T 26 | 21 54 | 18 51 | 4 43 | 24 51 | 1 20 | 24 56 | 1 47 | 11 27 | 1 2 | 8 20 | 1 21 | 23 5 | 0 1 | 17 17 | 0 16 | 9 12 | 1 55 | 24 49 | 14 10 | 7 28 | 7 26 | 17 55 | 16 54 | 6 9 | T 26 |
| W27 | 22 3 | 18 31 | 4 6 | 24 40 | 1 11 | 24 51 | 1 48 | 11 27 | 1 4 | 8 19 | 1 20 | 23 4 | 0 1 | 17 16 | 0 16 | 9 12 | 1 55 | 24 48 | 14 10 | 7 31 | 7 27 | 17 55 | 16 54 | 6 10 | W27 |
| T 28 | 22 11 | 16 55 | 3 14 | 24 29 | 1 1 | 24 45 | 1 49 | 11 28 | 1 7 | 8 18 | 1 20 | 23 4 | 0 1 | 17 16 | 0 16 | 9 11 | 1 55 | 24 48 | 14 10 | 7 33 | 7 28 | 17 54 | 16 54 | 6 10 | T 28 |
| F 29 | 22 19 | 14 15 | 2 10 | 24 16 | 0 51 | 24 38 | 1 50 | 11 30 | 1 9 | 8 17 | 1 20 | 23 3 | 0 1 | 17 15 | 0 16 | 9 11 | 1 55 | 24 47 | 14 9 | 7 35 | 7 29 | 17 54 | 16 54 | 6 10 | F 29 |
| S 30 | 22 27 | 10 46 | 0 59 | 24 2 | 0 40 | 24 31 | 1 50 | 11 31 | 1 11 | 8 16 | 1 20 | 23 3 | 0 1 | 17 15 | 0 16 | 9 11 | 1 55 | 24 46 | 14 9 | 7 35 | 7 31 | 17 54 | 16 54 | 6 11 | S 30 |
| S 31 | 22n34 | 6n46 | 0n14 | 23n48 | 0n28 | 24n23 | 1n51 | 11s33 | 1s13 | 8s15 | 1n19 | 23n 2 | 0n 1 | 17s14 | 0n16 | 9s10 | 1n55 | 24n46 | 14n 9 | 7n35 | 7n32 | 17s53 | 16s54 | 6n11 | S 31 |

Julian Day Number = 2076931.5, Delta T = 26m35s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'44, Lahiri = 9°33'44 Julian Calendar 1 May 974 == Greg. Calendar 6 May 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## JUNE 974 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 57 2 | 14♊37'37 | 27♍ 0 | 8♋35 | 17♋40 | 26♎55 | 24°R17 | 12♋13 | 18°R40 | 28°R21 | 29♌50 | 10°R43 | 10♍49 | 22♑35 | 11°R31 | M 1 |
| T 2 | 17 0 58 | 15°34'48 | 10♎16 | 9°13 | 18°51 | 26°56 | 24♎14 | 12°20 | 18♏38 | 28♎20 | 29°51 | 10♍41 | 10°46 | 22°42 | 11♑28 | T 2 |
| W 3 | 17 4 55 | 16°31'58 | 23°17 | 9°46 | 20° 3 | 26°58 | 24°12 | 12°28 | 18°36 | 28°19 | 29°52 | 10°37 | 10°42 | 22°49 | 11°25 | W 3 |
| T 4 | 17 8 51 | 17°29'08 | 6♏ 5 | 10°16 | 21°14 | 27° 2 | 24°10 | 12°35 | 18°34 | 28°18 | 29°53 | 10°31 | 10°39 | 22°55 | 11°22 | T 4 |
| F 5 | 17 12 48 | 18°26'17 | 18°41 | 10°41 | 22°25 | 27° 6 | 24° 7 | 12°42 | 18°32 | 28°18 | 29°54 | 10°21 | 10°36 | 23° 2 | 11°18 | F 5 |
| S 6 | 17 16 44 | 19°23'26 | 1♐ 7 | 11° 2 | 23°36 | 27°10 | 24° 6 | 12°50 | 18°30 | 28°17 | 29°54 | 10°10 | 10°33 | 23° 9 | 11°15 | S 6 |
| S 7 | 17 20 41 | 20°20'35 | 13°24 | 11°19 | 24°47 | 27°16 | 24° 4 | 12°57 | 18°28 | 28°16 | 29°55 | 9°57 | 10°30 | 23°15 | 11°12 | S 7 |
| M 8 | 17 24 38 | 21°17'43 | 25°32 | 11°31 | 25°58 | 27°22 | 24° 2 | 13° 4 | 18°26 | 28°15 | 29°56 | 9°44 | 10°26 | 23°22 | 11° 9 | M 8 |
| T 9 | 17 28 34 | 22°14'52 | 7♑32 | 11°39 | 27° 9 | 27°29 | 24° 1 | 13°12 | 18°24 | 28°14 | 29°57 | 9°32 | 10°23 | 23°29 | 11° 5 | T 9 |
| W10 | 17 32 31 | 23°12'00 | 19°27 | 11°R41 | 28°20 | 27°37 | 24° 0 | 13°19 | 18°22 | 28°13 | 29°58 | 9°21 | 10°20 | 23°35 | 11° 2 | W10 |
| T 11 | 17 36 27 | 24° 9'08 | 1♒17 | 11°39 | 29°30 | 27°45 | 23°59 | 13°27 | 18°20 | 28°13 | 29°59 | 9°13 | 10°17 | 23°42 | 10°59 | T 11 |
| F 12 | 17 40 24 | 25° 6'17 | 13° 5 | 11°33 | 0♌41 | 27°54 | 23°58 | 13°34 | 18°18 | 28°12 | 0♍ 1 | 9° 8 | 10°14 | 23°49 | 10°55 | F 12 |
| S 13 | 17 44 20 | 26° 3'26 | 24°56 | 11°22 | 1°52 | 28° 4 | 23°57 | 13°42 | 18°17 | 28°11 | 0° 2 | 9° 5 | 10°11 | 23°56 | 10°52 | S 13 |
| S 14 | 17 48 17 | 27° 0'34 | 6♓53 | 11° 7 | 3° 2 | 28°15 | 23°57 | 13°49 | 18°15 | 28°11 | 0° 3 | 9°D 4 | 10° 7 | 24° 2 | 10°49 | S 14 |
| M15 | 17 52 14 | 27°57'44 | 19° 1 | 10°47 | 4°13 | 28°26 | 23°56 | 13°57 | 18°13 | 28°10 | 0° 4 | 9° 4 | 10° 4 | 24° 9 | 10°45 | M15 |
| T 16 | 17 56 10 | 28°54'53 | 1♈25 | 10°24 | 5°23 | 28°38 | 23°D56 | 14° 4 | 18°11 | 28° 9 | 0° 5 | 9°R 5 | 10° 1 | 24°16 | 10°42 | T 16 |
| W17 | 18 0 7 | 29°52'03 | 14°11 | 9°57 | 6°34 | 28°51 | 23°56 | 14°12 | 18°10 | 28° 9 | 0° 6 | 9° 4 | 9°58 | 24°22 | 10°38 | W17 |
| T 18 | 18 4 3 | 0♋49'13 | 27°22 | 9°26 | 7°44 | 29° 4 | 23°57 | 14°19 | 18° 8 | 28° 8 | 0° 8 | 9° 1 | 9°55 | 24°29 | 10°35 | T 18 |
| F 19 | 18 8 0 | 1°46'24 | 11♉ 2 | 8°53 | 8°54 | 29°18 | 23°57 | 14°27 | 18° 7 | 28° 8 | 0° 9 | 8°56 | 9°52 | 24°36 | 10°31 | F 19 |
| S 20 | 18 11 56 | 2°43'36 | 25°12 | 8°17 | 10° 4 | 29°32 | 23°58 | 14°35 | 18° 5 | 28° 7 | 0°10 | 8°49 | 9°48 | 24°42 | 10°28 | S 20 |
| S 21 | 18 15 53 | 3°40'47 | 9♊48 | 7°40 | 11°14 | 29°48 | 23°59 | 14°42 | 18° 4 | 28° 7 | 0°12 | 8°40 | 9°45 | 24°49 | 10°24 | S 21 |
| M22 | 18 19 49 | 4°38'00 | 24°46 | 7° 1 | 12°24 | 0♏ 3 | 24° 0 | 14°50 | 18° 2 | 28° 6 | 0°13 | 8°30 | 9°42 | 24°56 | 10°21 | M22 |
| T 23 | 18 23 46 | 5°35'12 | 9♋56 | 6°22 | 13°34 | 0°20 | 24° 1 | 14°58 | 18° 1 | 28° 6 | 0°14 | 8°22 | 9°39 | 25° 2 | 10°17 | T 23 |
| W24 | 18 27 43 | 6°32'25 | 25° 8 | 5°43 | 14°44 | 0°37 | 24° 2 | 15° 6 | 17°59 | 28° 6 | 0°16 | 8°14 | 9°36 | 25° 9 | 10°13 | W24 |
| T 25 | 18 31 39 | 7°29'39 | 10♌11 | 5° 5 | 15°54 | 0°54 | 24° 4 | 15°13 | 17°58 | 28° 5 | 0°17 | 8° 9 | 9°32 | 25°16 | 10°10 | T 25 |
| F 26 | 18 35 36 | 8°26'52 | 24°58 | 4°28 | 17° 4 | 1°13 | 24° 5 | 15°21 | 17°57 | 28° 5 | 0°19 | 8° 6 | 9°29 | 25°22 | 10° 6 | F 26 |
| S 27 | 18 39 32 | 9°24'06 | 9♍23 | 3°53 | 18°13 | 1°31 | 24° 7 | 15°29 | 17°55 | 28° 5 | 0°20 | 8°D 6 | 9°26 | 25°29 | 10° 3 | S 27 |
| S 28 | 18 43 29 | 10°21'20 | 23°24 | 3°22 | 19°23 | 1°51 | 24° 9 | 15°36 | 17°54 | 28° 4 | 0°22 | 8° 6 | 9°23 | 25°36 | 9°59 | S 28 |
| M29 | 18 47 25 | 11°18'34 | 7♎ 0 | 2°53 | 20°32 | 2°10 | 24°11 | 15°44 | 17°53 | 28° 4 | 0°23 | 8°R 7 | 9°20 | 25°42 | 9°56 | M29 |
| T 30 | 18 51 22 | 12♋15'48 | 20♎14 | 2♋29 | 21♌42 | 2♏31 | 24♎14 | 15♋52 | 17♏52 | 28♎ 4 | 0♍25 | 8♍ 7 | 9♍17 | 25♑49 | 9♑52 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n41 | 2n30 | 1n25 | 23n33 | 0n16 | 24n14 | 1n51 | 11s35 | 1s15 | 8s14 | 1n19 | 23n 1 | 0n 1 | 17s13 | 0n16 | 9s10 | 1n55 | 24n45 | 14n 8 | 7n35 | 7n33 | 17s53 | 16s54 | 6n11 |
| T 2 | 22 47 | 1s48 | 2 29 | 23 18 | 0 3 | 24 5 | 1 52 | 11 38 | 1 17 | 8 14 | 1 19 | 23 1 | 0 1 | 17 13 | 0 16 | 9 10 | 1 54 | 24 45 | 14 8 | 7 36 | 7 34 | 17 52 | 16 54 | 6 12 |
| W 3 | 22 53 | 5 56 | 3 25 | 23 2 | 0s10 | 23 55 | 1 52 | 11 40 | 1 19 | 8 13 | 1 19 | 23 0 | 0 1 | 17 12 | 0 16 | 9 9 | 1 54 | 24 44 | 14 8 | 7 37 | 7 36 | 17 52 | 16 54 | 6 12 |
| T 4 | 22 59 | 9 43 | 4 9 | 22 46 | 0 24 | 23 44 | 1 53 | 11 43 | 1 21 | 8 12 | 1 18 | 23 0 | 0 1 | 17 12 | 0 16 | 9 9 | 1 54 | 24 43 | 14 7 | 7 40 | 7 37 | 17 51 | 16 54 | 6 12 |
| F 5 | 23 4 | 13 0 | 4 40 | 22 30 | 0 39 | 23 33 | 1 53 | 11 46 | 1 22 | 8 12 | 1 18 | 22 59 | 0 2 | 17 11 | 0 16 | 9 9 | 1 54 | 24 43 | 14 7 | 7 44 | 7 38 | 17 51 | 16 54 | 6 12 |
| S 6 | 23 9 | 15 39 | 4 57 | 22 13 | 0 53 | 23 21 | 1 53 | 11 50 | 1 24 | 8 11 | 1 18 | 22 58 | 0 2 | 17 11 | 0 16 | 9 8 | 1 54 | 24 42 | 14 7 | 7 48 | 7 39 | 17 50 | 16 54 | 6 13 |
| S 7 | 23 13 | 17 34 | 5 0 | 21 57 | 1 9 | 23 8 | 1 53 | 11 53 | 1 26 | 8 11 | 1 18 | 22 58 | 0 2 | 17 10 | 0 16 | 9 8 | 1 54 | 24 41 | 14 6 | 7 53 | 7 40 | 17 49 | 16 54 | 6 13 |
| M 8 | 23 17 | 18 40 | 4 49 | 21 40 | 1 24 | 22 55 | 1 53 | 11 57 | 1 28 | 8 11 | 1 17 | 22 57 | 0 2 | 17 10 | 0 15 | 9 8 | 1 54 | 24 41 | 14 6 | 7 58 | 7 42 | 17 49 | 16 54 | 6 13 |
| T 9 | 23 20 | 18 56 | 4 26 | 21 24 | 1 40 | 22 41 | 1 53 | 12 1 | 1 29 | 8 10 | 1 17 | 22 57 | 0 2 | 17 9 | 0 15 | 9 8 | 1 54 | 24 40 | 14 6 | 8 2 | 7 43 | 17 48 | 16 54 | 6 13 |
| W10 | 23 24 | 18 20 | 3 51 | 21 8 | 1 55 | 22 27 | 1 53 | 12 5 | 1 31 | 8 10 | 1 17 | 22 56 | 0 2 | 17 9 | 0 15 | 9 7 | 1 54 | 24 39 | 14 5 | 8 6 | 7 44 | 17 48 | 16 54 | 6 14 |
| T 11 | 23 26 | 16 57 | 3 6 | 20 53 | 2 11 | 22 12 | 1 52 | 12 10 | 1 32 | 8 10 | 1 16 | 22 55 | 0 2 | 17 8 | 0 15 | 9 7 | 1 54 | 24 39 | 14 5 | 8 9 | 7 45 | 17 47 | 16 54 | 6 14 |
| F 12 | 23 29 | 14 51 | 2 13 | 20 37 | 2 27 | 21 56 | 1 52 | 12 15 | 1 34 | 8 10 | 1 16 | 22 55 | 0 2 | 17 8 | 0 15 | 9 7 | 1 54 | 24 38 | 14 5 | 8 11 | 7 46 | 17 47 | 16 54 | 6 14 |
| S 13 | 23 31 | 12 7 | 1 14 | 20 23 | 2 43 | 21 40 | 1 52 | 12 20 | 1 35 | 8 10 | 1 16 | 22 54 | 0 2 | 17 7 | 0 15 | 9 7 | 1 54 | 24 37 | 14 4 | 8 12 | 7 48 | 17 46 | 16 54 | 6 14 |
| S 14 | 23 32 | 8 51 | 0 12 | 20 9 | 2 58 | 21 23 | 1 51 | 12 25 | 1 37 | 8 10 | 1 16 | 22 53 | 0 2 | 17 7 | 0 15 | 9 7 | 1 54 | 24 36 | 14 4 | 8 13 | 7 49 | 17 46 | 16 54 | 6 14 |
| M15 | 23 33 | 5 11 | 0s53 | 19 56 | 3 13 | 21 6 | 1 50 | 12 30 | 1 38 | 8 10 | 1 15 | 22 53 | 0 2 | 17 6 | 0 15 | 9 6 | 1 54 | 24 36 | 14 4 | 8 13 | 7 50 | 17 45 | 16 55 | 6 14 |
| T 16 | 23 34 | 1 12 | 1 56 | 19 43 | 3 27 | 20 48 | 1 50 | 12 36 | 1 40 | 8 11 | 1 15 | 22 52 | 0 3 | 17 6 | 0 15 | 9 6 | 1 54 | 24 35 | 14 3 | 8 13 | 7 51 | 17 45 | 16 55 | 6 15 |
| W17 | 23 34 | 2n56 | 2 55 | 19 32 | 3 41 | 20 29 | 1 49 | 12 42 | 1 41 | 8 11 | 1 15 | 22 51 | 0 3 | 17 5 | 0 15 | 9 6 | 1 54 | 24 34 | 14 3 | 8 13 | 7 52 | 17 44 | 16 55 | 6 15 |
| T 18 | 23 34 | 7 3 | 3 48 | 19 21 | 3 53 | 20 10 | 1 48 | 12 48 | 1 42 | 8 11 | 1 14 | 22 50 | 0 3 | 17 5 | 0 15 | 9 6 | 1 54 | 24 33 | 14 3 | 8 14 | 7 54 | 17 44 | 16 55 | 6 15 |
| F 19 | 23 33 | 10 58 | 4 29 | 19 12 | 4 5 | 19 51 | 1 47 | 12 54 | 1 44 | 8 12 | 1 14 | 22 50 | 0 3 | 17 4 | 0 15 | 9 6 | 1 54 | 24 33 | 14 2 | 8 16 | 7 55 | 17 43 | 16 55 | 6 15 |
| S 20 | 23 32 | 14 23 | 4 55 | 19 4 | 4 15 | 19 31 | 1 46 | 13 0 | 1 45 | 8 12 | 1 14 | 22 49 | 0 3 | 17 4 | 0 15 | 9 6 | 1 54 | 24 32 | 14 2 | 8 19 | 7 56 | 17 43 | 16 55 | 6 15 |
| S 21 | 23 31 | 17 2 | 5 4 | 18 57 | 4 25 | 19 10 | 1 45 | 13 7 | 1 46 | 8 13 | 1 14 | 22 48 | 0 3 | 17 4 | 0 15 | 9 6 | 1 53 | 24 31 | 14 2 | 8 22 | 7 57 | 17 42 | 16 55 | 6 15 |
| M22 | 23 29 | 18 36 | 4 52 | 18 51 | 4 32 | 18 49 | 1 43 | 13 13 | 1 47 | 8 13 | 1 13 | 22 47 | 0 3 | 17 3 | 0 15 | 9 6 | 1 53 | 24 30 | 14 1 | 8 25 | 7 58 | 17 41 | 16 56 | 6 15 |
| T 23 | 23 27 | 18 53 | 4 19 | 18 46 | 4 39 | 18 28 | 1 42 | 13 20 | 1 48 | 8 14 | 1 13 | 22 47 | 0 3 | 17 3 | 0 15 | 9 5 | 1 53 | 24 30 | 14 1 | 8 29 | 8 0 | 17 41 | 16 56 | 6 16 |
| W24 | 23 24 | 17 48 | 3 28 | 18 43 | 4 44 | 18 6 | 1 40 | 13 27 | 1 49 | 8 15 | 1 13 | 22 46 | 0 3 | 17 2 | 0 15 | 9 5 | 1 53 | 24 29 | 14 1 | 8 32 | 8 1 | 17 40 | 16 56 | 6 16 |
| T 25 | 23 21 | 15 29 | 2 23 | 18 42 | 4 47 | 17 44 | 1 39 | 13 35 | 1 50 | 8 16 | 1 12 | 22 45 | 0 3 | 17 2 | 0 15 | 9 5 | 1 53 | 24 28 | 14 1 | 8 33 | 8 2 | 17 40 | 16 56 | 6 16 |
| F 26 | 23 18 | 12 10 | 1 10 | 18 42 | 4 48 | 17 21 | 1 37 | 13 42 | 1 51 | 8 17 | 1 12 | 22 44 | 0 3 | 17 2 | 0 15 | 9 5 | 1 53 | 24 27 | 14 0 | 8 34 | 8 3 | 17 39 | 16 56 | 6 16 |
| S 27 | 23 14 | 8 12 | 0n 7 | 18 43 | 4 48 | 16 58 | 1 35 | 13 49 | 1 53 | 8 17 | 1 12 | 22 43 | 0 3 | 17 1 | 0 15 | 9 5 | 1 53 | 24 26 | 14 0 | 8 35 | 8 4 | 17 39 | 16 56 | 6 16 |
| S 28 | 23 10 | 3 52 | 1 21 | 18 46 | 4 46 | 16 34 | 1 33 | 13 57 | 1 53 | 8 18 | 1 12 | 22 43 | 0 4 | 17 1 | 0 15 | 9 5 | 1 53 | 24 26 | 14 0 | 8 35 | 8 6 | 17 38 | 16 57 | 6 16 |
| M29 | 23 5 | 0s31 | 2 29 | 18 50 | 4 43 | 16 10 | 1 31 | 14 5 | 1 54 | 8 20 | 1 11 | 22 42 | 0 4 | 17 1 | 0 15 | 9 5 | 1 53 | 24 25 | 13 59 | 8 34 | 8 7 | 17 37 | 16 57 | 6 16 |
| T 30 | 23n 0 | 4s46 | 3n26 | 18n55 | 4s38 | 15n46 | 1n29 | 14s13 | 1s55 | 8s21 | 1n11 | 22n41 | 0n 4 | 17s 0 | 0n15 | 9s 5 | 1n53 | 24n24 | 13n59 | 8n34 | 8n 8 | 17s37 | 16s57 | 6n16 |

Julian Day Number = 2076962.5, Delta T = 26m35s
Ecliptic obliquity = 23°34'10, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'48, Lahiri = 9°33'49 Julian Calendar 1 June 974 == Greg. Calendar 6 June 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## JULY 974 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 55 18 | 13♋13'02 | 3♏ 9 | 2°R 9 | 22♌51 | 2♏51 | 24♎16 | 16♋ 0 | 17°R51 | 28°R 4 | 0♍26 | 8°R 5 | 9♍13 | 25♉56 | 9°R48 | W 1 |
| T 2 | 18 59 15 | 14°10'17 | 15°47 | 1♋53 | 24° 0 | 3°13 | 24°19 | 16° 7 | 17♏50 | 28♎ 4 | 0°28 | 8♍ 1 | 9°10 | 26° 3 | 9♉45 | T 2 |
| F 3 | 19 3 12 | 15° 7'33 | 28°11 | 1°43 | 25° 9 | 3°35 | 24°22 | 16°15 | 17°49 | 28° 4 | 0°29 | 7°54 | 9° 7 | 26° 9 | 9°41 | F 3 |
| S 4 | 19 7 8 | 16° 4'49 | 10♐25 | 1°D38 | 26°18 | 3°57 | 24°25 | 16°23 | 17°48 | 28° 4 | 0°31 | 7°46 | 9° 4 | 26°16 | 9°38 | S 4 |
| S 5 | 19 11 5 | 17° 2'05 | 22°30 | 1°39 | 27°27 | 4°20 | 24°28 | 16°31 | 17°47 | 28°D 4 | 0°33 | 7°37 | 9° 1 | 26°23 | 9°34 | S 5 |
| M 6 | 19 15 1 | 17°59'22 | 4♉29 | 1°46 | 28°36 | 4°43 | 24°32 | 16°38 | 17°46 | 28° 4 | 0°34 | 7°28 | 8°58 | 26°29 | 9°31 | M 6 |
| T 7 | 19 18 58 | 18°56'40 | 16°23 | 1°59 | 29°45 | 5° 7 | 24°35 | 16°46 | 17°45 | 28° 4 | 0°36 | 7°19 | 8°54 | 26°36 | 9°27 | T 7 |
| W 8 | 19 22 54 | 19°53'59 | 28°14 | 2°18 | 0♍53 | 5°31 | 24°39 | 16°54 | 17°45 | 28° 4 | 0°38 | 7°12 | 8°51 | 26°43 | 9°24 | W 8 |
| T 9 | 19 26 51 | 20°51'18 | 10♒ 3 | 2°43 | 2° 2 | 5°56 | 24°43 | 17° 2 | 17°44 | 28° 4 | 0°39 | 7° 7 | 8°48 | 26°49 | 9°20 | T 9 |
| F 10 | 19 30 47 | 21°48'38 | 21°53 | 3°14 | 3°10 | 6°21 | 24°47 | 17° 9 | 17°43 | 28° 4 | 0°41 | 7° 3 | 8°45 | 26°56 | 9°17 | F 10 |
| S 11 | 19 34 44 | 22°46'00 | 3♓47 | 3°52 | 4°18 | 6°46 | 24°51 | 17°17 | 17°43 | 28° 4 | 0°43 | 7°D 2 | 8°42 | 27° 3 | 9°13 | S 11 |
| S 12 | 19 38 41 | 23°43'22 | 15°47 | 4°35 | 5°26 | 7°12 | 24°56 | 17°25 | 17°42 | 28° 4 | 0°45 | 7° 2 | 8°38 | 27° 9 | 9°10 | S 12 |
| M13 | 19 42 37 | 24°40'46 | 27°57 | 5°25 | 6°34 | 7°38 | 25° 0 | 17°33 | 17°42 | 28° 5 | 0°46 | 7° 4 | 8°35 | 27°16 | 9° 7 | M13 |
| T 14 | 19 46 34 | 25°38'10 | 10♈23 | 6°21 | 7°42 | 8° 5 | 25° 5 | 17°40 | 17°41 | 28° 5 | 0°48 | 7° 5 | 8°32 | 27°23 | 9° 3 | T 14 |
| W15 | 19 50 30 | 26°35'36 | 23° 7 | 7°22 | 8°50 | 8°32 | 25°10 | 17°48 | 17°41 | 28° 5 | 0°50 | 7°R 6 | 8°29 | 27°29 | 9° 0 | W15 |
| T 16 | 19 54 27 | 27°33'04 | 6♉15 | 8°29 | 9°57 | 8°59 | 25°15 | 17°56 | 17°41 | 28° 5 | 0°52 | 7° 6 | 8°26 | 27°36 | 8°57 | T 16 |
| F 17 | 19 58 23 | 28°30'33 | 19°49 | 9°42 | 11° 5 | 9°27 | 25°20 | 18° 3 | 17°40 | 28° 6 | 0°54 | 7° 4 | 8°23 | 27°43 | 8°53 | F 17 |
| S 18 | 20 2 20 | 29°28'03 | 3♊51 | 11° 0 | 12°12 | 9°55 | 25°25 | 18°11 | 17°40 | 28° 6 | 0°56 | 7° 0 | 8°19 | 27°49 | 8°50 | S 18 |
| S 19 | 20 6 16 | 0♌25'35 | 18°20 | 12°23 | 13°20 | 10°24 | 25°31 | 18°19 | 17°40 | 28° 7 | 0°57 | 6°56 | 8°16 | 27°56 | 8°47 | S 19 |
| M20 | 20 10 13 | 1°23'08 | 3♋12 | 13°51 | 14°27 | 10°53 | 25°37 | 18°26 | 17°40 | 28° 7 | 0°59 | 6°51 | 8°13 | 28° 3 | 8°44 | M20 |
| T 21 | 20 14 10 | 2°20'42 | 18°20 | 15°24 | 15°34 | 11°22 | 25°42 | 18°34 | 17°40 | 28° 8 | 1° 1 | 6°46 | 8°10 | 28° 9 | 8°41 | T 21 |
| W22 | 20 18 6 | 3°18'18 | 3♌34 | 17° 1 | 16°41 | 11°51 | 25°48 | 18°42 | 17°D40 | 28° 8 | 1° 3 | 6°42 | 8° 7 | 28°16 | 8°37 | W22 |
| T 23 | 20 22 3 | 4°15'55 | 18°44 | 18°43 | 17°47 | 12°21 | 25°54 | 18°49 | 17°40 | 28° 9 | 1° 5 | 6°39 | 8° 3 | 28°23 | 8°34 | T 23 |
| F 24 | 20 25 59 | 5°13'33 | 3♍42 | 20°28 | 18°54 | 12°52 | 26° 1 | 18°57 | 17°40 | 28° 9 | 1° 7 | 6°D38 | 8° 0 | 28°29 | 8°31 | F 24 |
| S 25 | 20 29 56 | 6°11'12 | 18°18 | 22°16 | 20° 0 | 13°22 | 26° 7 | 19° 4 | 17°40 | 28°10 | 1° 9 | 6°39 | 7°57 | 28°36 | 8°28 | S 25 |
| S 26 | 20 33 52 | 7° 8'52 | 2♎30 | 24° 7 | 21° 7 | 13°53 | 26°14 | 19°12 | 17°40 | 28°11 | 1°11 | 6°40 | 7°54 | 28°43 | 8°25 | S 26 |
| M27 | 20 37 49 | 8° 6'33 | 16°14 | 26° 0 | 22°13 | 14°24 | 26°20 | 19°19 | 17°40 | 28°11 | 1°13 | 6°41 | 7°51 | 28°50 | 8°23 | M27 |
| T 28 | 20 41 45 | 9° 4'15 | 29°34 | 27°56 | 23°19 | 14°56 | 26°27 | 19°27 | 17°40 | 28°12 | 1°15 | 6°43 | 7°48 | 28°56 | 8°20 | T 28 |
| W29 | 20 45 42 | 10° 1'59 | 12♏29 | 29°53 | 24°24 | 15°28 | 26°34 | 19°34 | 17°41 | 28°13 | 1°17 | 6°R43 | 7°44 | 29° 3 | 8°17 | W29 |
| T 30 | 20 49 39 | 10°59'43 | 25° 5 | 1♌51 | 25°30 | 16° 0 | 26°41 | 19°42 | 17°41 | 28°14 | 1°19 | 6°42 | 7°41 | 29°10 | 8°14 | T 30 |
| F 31 | 20 53 35 | 11♌57'29 | 7♐25 | 3♌51 | 26♍35 | 16♏32 | 26♎48 | 19♋49 | 17♏42 | 28♎14 | 1♍21 | 6♍40 | 7♍38 | 29♉16 | 8♉11 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n55 | 8s41 | 4n12 | 19n 2 | 4s31 | 15n21 | 1n27 | 14s21 | 1s56 | 8s22 | 1n11 | 22n40 | 0n 4 | 17s 0 | 0n15 | 9s 5 | 1n53 | 24n23 | 13n59 | 8n35 | 8n 9 | 17s36 | 16s57 | 6n16 |
| T 2 | 22 49 | 12 7 | 4 44 | 19 10 | 4 23 | 14 56 | 1 25 | 14 29 | 1 57 | 8 23 | 1 10 | 22 39 | 0 4 | 17 0 | 0 15 | 9 5 | 1 53 | 24 22 | 13 59 | 8 37 | 8 10 | 17 36 | 16 58 | 6 16 |
| F 3 | 22 42 | 14 57 | 5 2 | 19 19 | 4 14 | 14 30 | 1 23 | 14 37 | 1 58 | 8 24 | 1 10 | 22 38 | 0 4 | 17 0 | 0 15 | 9 5 | 1 53 | 24 22 | 13 58 | 8 39 | 8 12 | 17 35 | 16 58 | 6 16 |
| S 4 | 22 36 | 17 5 | 5 6 | 19 30 | 4 4 | 14 4 | 1 20 | 14 46 | 1 59 | 8 26 | 1 10 | 22 38 | 0 4 | 16 59 | 0 15 | 9 5 | 1 53 | 24 21 | 13 58 | 8 42 | 8 13 | 17 34 | 16 58 | 6 16 |
| S 5 | 22 29 | 18 26 | 4 56 | 19 41 | 3 53 | 13 38 | 1 18 | 14 54 | 2 0 | 8 27 | 1 10 | 22 37 | 0 4 | 16 59 | 0 15 | 9 5 | 1 53 | 24 20 | 13 58 | 8 45 | 8 14 | 17 34 | 16 58 | 6 16 |
| M 6 | 22 21 | 18 56 | 4 33 | 19 53 | 3 41 | 13 12 | 1 15 | 15 3 | 2 0 | 8 29 | 1 9 | 22 36 | 0 4 | 16 59 | 0 15 | 9 5 | 1 53 | 24 19 | 13 58 | 8 49 | 8 15 | 17 33 | 16 59 | 6 16 |
| T 7 | 22 13 | 18 36 | 3 59 | 20 5 | 3 28 | 12 45 | 1 12 | 15 12 | 2 1 | 8 30 | 1 9 | 22 35 | 0 4 | 16 59 | 0 15 | 9 5 | 1 53 | 24 18 | 13 58 | 8 52 | 8 16 | 17 33 | 16 59 | 6 16 |
| W 8 | 22 5 | 17 28 | 3 14 | 20 19 | 3 14 | 12 18 | 1 9 | 15 21 | 2 2 | 8 32 | 1 9 | 22 34 | 0 4 | 16 59 | 0 15 | 9 6 | 1 52 | 24 17 | 13 57 | 8 55 | 8 18 | 17 32 | 16 59 | 6 16 |
| T 9 | 21 57 | 15 34 | 2 21 | 20 32 | 3 0 | 11 51 | 1 6 | 15 30 | 2 3 | 8 34 | 1 9 | 22 33 | 0 5 | 16 58 | 0 15 | 9 6 | 1 52 | 24 17 | 13 57 | 8 57 | 8 19 | 17 31 | 16 59 | 6 16 |
| F 10 | 21 48 | 13 1 | 1 21 | 20 46 | 2 46 | 11 23 | 1 3 | 15 39 | 2 3 | 8 36 | 1 8 | 22 32 | 0 5 | 16 58 | 0 15 | 9 6 | 1 52 | 24 16 | 13 57 | 8 58 | 8 20 | 17 31 | 17 0 | 6 16 |
| S 11 | 21 38 | 9 54 | 0 18 | 21 0 | 2 31 | 10 55 | 1 0 | 15 48 | 2 4 | 8 37 | 1 8 | 22 31 | 0 5 | 16 58 | 0 15 | 9 6 | 1 52 | 24 15 | 13 57 | 8 59 | 8 21 | 17 30 | 17 0 | 6 16 |
| S 12 | 21 28 | 6 22 | 0s47 | 21 14 | 2 15 | 10 27 | 0 57 | 15 57 | 2 5 | 8 39 | 1 8 | 22 30 | 0 5 | 16 58 | 0 15 | 9 6 | 1 52 | 24 14 | 13 56 | 8 58 | 8 22 | 17 30 | 17 0 | 6 16 |
| M13 | 21 18 | 2 31 | 1 51 | 21 27 | 2 0 | 9 59 | 0 54 | 16 6 | 2 5 | 8 41 | 1 7 | 22 30 | 0 5 | 16 58 | 0 15 | 9 6 | 1 52 | 24 13 | 13 56 | 8 58 | 8 24 | 17 29 | 17 1 | 6 16 |
| T 14 | 21 8 | 1n30 | 2 51 | 21 40 | 1 45 | 9 30 | 0 50 | 16 15 | 2 6 | 8 43 | 1 7 | 22 29 | 0 5 | 16 58 | 0 15 | 9 6 | 1 52 | 24 12 | 13 56 | 8 57 | 8 25 | 17 28 | 17 1 | 6 15 |
| W15 | 20 57 | 5 34 | 3 44 | 21 53 | 1 29 | 9 2 | 0 47 | 16 25 | 2 6 | 8 45 | 1 7 | 22 28 | 0 5 | 16 58 | 0 15 | 9 6 | 1 52 | 24 12 | 13 56 | 8 57 | 8 26 | 17 28 | 17 1 | 6 15 |
| T 16 | 20 46 | 9 28 | 4 28 | 22 4 | 1 14 | 8 33 | 0 43 | 16 34 | 2 7 | 8 47 | 1 7 | 22 27 | 0 5 | 16 58 | 0 15 | 9 7 | 1 52 | 24 11 | 13 56 | 8 57 | 8 27 | 17 27 | 17 2 | 6 15 |
| F 17 | 20 34 | 13 1 | 4 57 | 22 14 | 0 59 | 8 4 | 0 40 | 16 44 | 2 7 | 8 49 | 1 6 | 22 26 | 0 5 | 16 58 | 0 15 | 9 7 | 1 52 | 24 10 | 13 56 | 8 58 | 8 28 | 17 26 | 17 2 | 6 15 |
| S 18 | 20 22 | 15 57 | 5 11 | 22 22 | 0 44 | 7 34 | 0 36 | 16 53 | 2 8 | 8 52 | 1 6 | 22 25 | 0 5 | 16 58 | 0 15 | 9 7 | 1 52 | 24 9 | 13 55 | 8 59 | 8 30 | 17 26 | 17 2 | 6 15 |
| S 19 | 20 10 | 17 59 | 5 5 | 22 29 | 0 30 | 7 5 | 0 32 | 17 3 | 2 8 | 8 54 | 1 6 | 22 24 | 0 5 | 16 57 | 0 15 | 9 7 | 1 52 | 24 8 | 13 55 | 9 1 | 8 31 | 17 25 | 17 3 | 6 15 |
| M20 | 19 58 | 18 53 | 4 39 | 22 35 | 0 16 | 6 35 | 0 28 | 17 12 | 2 9 | 8 56 | 1 6 | 22 23 | 0 6 | 16 57 | 0 15 | 9 7 | 1 52 | 24 7 | 13 55 | 9 3 | 8 32 | 17 24 | 17 3 | 6 15 |
| T 21 | 19 45 | 18 27 | 3 54 | 22 38 | 0 3 | 6 6 | 0 24 | 17 22 | 2 9 | 8 58 | 1 5 | 22 22 | 0 6 | 16 57 | 0 15 | 9 8 | 1 52 | 24 7 | 13 55 | 9 5 | 8 33 | 17 24 | 17 3 | 6 15 |
| W22 | 19 31 | 16 41 | 2 51 | 22 39 | 0n10 | 5 36 | 0 20 | 17 32 | 2 10 | 9 1 | 1 5 | 22 21 | 0 6 | 16 57 | 0 15 | 9 8 | 1 52 | 24 6 | 13 55 | 9 6 | 8 34 | 17 23 | 17 4 | 6 14 |
| T 23 | 19 18 | 13 46 | 1 36 | 22 37 | 0 22 | 5 6 | 0 16 | 17 41 | 2 10 | 9 3 | 1 5 | 22 20 | 0 6 | 16 57 | 0 15 | 9 8 | 1 52 | 24 5 | 13 55 | 9 7 | 8 36 | 17 22 | 17 4 | 6 14 |
| F 24 | 19 4 | 9 57 | 0 16 | 22 33 | 0 34 | 4 36 | 0 12 | 17 51 | 2 10 | 9 6 | 1 5 | 22 19 | 0 6 | 16 58 | 0 15 | 9 8 | 1 51 | 24 4 | 13 55 | 9 7 | 8 37 | 17 22 | 17 4 | 6 14 |
| S 25 | 18 50 | 5 37 | 1n 4 | 22 27 | 0 44 | 4 6 | 0 7 | 18 1 | 2 11 | 9 8 | 1 4 | 22 18 | 0 6 | 16 58 | 0 15 | 9 9 | 1 51 | 24 3 | 13 54 | 9 7 | 8 38 | 17 21 | 17 5 | 6 14 |
| S 26 | 18 35 | 1 6 | 2 17 | 22 18 | 0 54 | 3 35 | 0 3 | 18 11 | 2 11 | 9 11 | 1 4 | 22 17 | 0 6 | 16 58 | 0 15 | 9 9 | 1 51 | 24 2 | 13 54 | 9 7 | 8 39 | 17 20 | 17 5 | 6 14 |
| M27 | 18 20 | 3s20 | 3 20 | 22 6 | 1 3 | 3 5 | 0s 2 | 18 20 | 2 11 | 9 14 | 1 4 | 22 16 | 0 6 | 16 58 | 0 14 | 9 9 | 1 51 | 24 1 | 13 54 | 9 6 | 8 40 | 17 20 | 17 6 | 6 13 |
| T 28 | 18 5 | 7 28 | 4 11 | 21 51 | 1 11 | 2 35 | 0 6 | 18 30 | 2 12 | 9 16 | 1 4 | 22 15 | 0 6 | 16 58 | 0 14 | 9 10 | 1 51 | 24 1 | 13 54 | 9 6 | 8 42 | 17 19 | 17 6 | 6 13 |
| W29 | 17 50 | 11 7 | 4 47 | 21 34 | 1 19 | 2 4 | 0 11 | 18 40 | 2 12 | 9 19 | 1 3 | 22 14 | 0 6 | 16 58 | 0 14 | 9 10 | 1 51 | 24 0 | 13 54 | 9 6 | 8 43 | 17 18 | 17 6 | 6 13 |
| T 30 | 17 34 | 14 9 | 5 8 | 21 14 | 1 25 | 1 34 | 0 15 | 18 49 | 2 12 | 9 22 | 1 3 | 22 13 | 0 6 | 16 58 | 0 14 | 9 10 | 1 51 | 23 59 | 13 54 | 9 6 | 8 44 | 17 18 | 17 7 | 6 13 |
| F 31 | 17n18 | 16s30 | 5n14 | 20n52 | 1n31 | 1n 3 | 0s20 | 18s59 | 2s13 | 9s25 | 1n 3 | 22n12 | 0n 7 | 16s58 | 0n14 | 9s11 | 1n51 | 23n58 | 13n54 | 9n 7 | 8n45 | 17s17 | 17s 7 | 6n12 |

Julian Day Number = 2076992.5, Delta T = 26m34s
Ecliptic obliquity = 23°34'10, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'52, Lahiri = 9°33'53 Julian Calendar 1 July 974 == Greg. Calendar 6 July 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## AUGUST 974 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 57 32 | 12♌55'16 | 19♐33 | 5♌51 | 27♍40 | 17♏ 5 | 26♎56 | 19♋57 | 17♏42 | 28♎15 | 1♍23 | 6°R37 | 7♍35 | 29♉23 | 8°R 9 | S 1 |
| S 2 | 21 1 28 | 13°53'05 | 1♉31 | 7°51 | 28°45 | 17°38 | 27° 3 | 20° 4 | 17°43 | 28°16 | 1°25 | 6♍34 | 7°32 | 29°30 | 8♉ 6 | S 2 |
| M 3 | 21 5 25 | 14°50'54 | 13°24 | 9°52 | 29°50 | 18°11 | 27°11 | 20°11 | 17°43 | 28°17 | 1°27 | 6°30 | 7°29 | 29°36 | 8° 4 | M 3 |
| T 4 | 21 9 21 | 15°48'46 | 25°15 | 11°52 | 0♎55 | 18°45 | 27°18 | 20°19 | 17°44 | 28°18 | 1°29 | 6°27 | 7°25 | 29°43 | 8° 1 | T 4 |
| W 5 | 21 13 18 | 16°46'38 | 7♒ 5 | 13°52 | 1°59 | 19°19 | 27°26 | 20°26 | 17°45 | 28°19 | 1°31 | 6°24 | 7°22 | 29°50 | 7°59 | W 5 |
| T 6 | 21 17 14 | 17°44'32 | 18°56 | 15°51 | 3° 3 | 19°53 | 27°34 | 20°33 | 17°45 | 28°20 | 1°33 | 6°22 | 7°19 | 29°56 | 7°56 | T 6 |
| F 7 | 21 21 11 | 18°42'28 | 0♓51 | 17°49 | 4° 7 | 20°27 | 27°42 | 20°40 | 17°46 | 28°21 | 1°36 | 6°D21 | 7°16 | 0♒ 3 | 7°54 | F 7 |
| S 8 | 21 25 8 | 19°40'25 | 12°53 | 19°47 | 5°11 | 21° 1 | 27°50 | 20°47 | 17°47 | 28°22 | 1°38 | 6°21 | 7°13 | 0°10 | 7°52 | S 8 |
| S 9 | 21 29 4 | 20°38'24 | 25° 2 | 21°44 | 6°15 | 21°36 | 27°59 | 20°54 | 17°48 | 28°23 | 1°40 | 6°22 | 7° 9 | 0°16 | 7°50 | S 9 |
| M10 | 21 33 1 | 21°36'25 | 7♈22 | 23°39 | 7°18 | 22°11 | 28° 7 | 21° 1 | 17°49 | 28°24 | 1°42 | 6°23 | 7° 6 | 0°23 | 7°47 | M10 |
| T 11 | 21 36 57 | 22°34'28 | 19°55 | 25°34 | 8°21 | 22°46 | 28°16 | 21° 9 | 17°50 | 28°25 | 1°44 | 6°24 | 7° 3 | 0°30 | 7°45 | T 11 |
| W12 | 21 40 54 | 23°32'33 | 2♉44 | 27°27 | 9°24 | 23°22 | 28°25 | 21°16 | 17°51 | 28°26 | 1°46 | 6°25 | 7° 0 | 0°36 | 7°43 | W12 |
| T 13 | 21 44 50 | 24°30'39 | 15°53 | 29°19 | 10°26 | 23°58 | 28°33 | 21°22 | 17°52 | 28°28 | 1°48 | 6°26 | 6°57 | 0°43 | 7°41 | T 13 |
| F 14 | 21 48 47 | 25°28'48 | 29°22 | 1♍10 | 11°28 | 24°33 | 28°42 | 21°29 | 17°53 | 28°29 | 1°50 | 6°R26 | 6°54 | 0°50 | 7°40 | F 14 |
| S 15 | 21 52 43 | 26°26'59 | 13♊15 | 3° 0 | 12°30 | 25°10 | 28°51 | 21°36 | 17°54 | 28°30 | 1°52 | 6°26 | 6°50 | 0°56 | 7°38 | S 15 |
| S 16 | 21 56 40 | 27°25'12 | 27°30 | 4°49 | 13°32 | 25°46 | 29° 0 | 21°43 | 17°55 | 28°31 | 1°55 | 6°25 | 6°47 | 1° 3 | 7°36 | S 16 |
| M17 | 22 0 37 | 28°23'27 | 12♋ 6 | 6°37 | 14°33 | 26°23 | 29°10 | 21°50 | 17°57 | 28°33 | 1°57 | 6°24 | 6°44 | 1°10 | 7°34 | M17 |
| T 18 | 22 4 33 | 29°21'45 | 26°57 | 8°23 | 15°35 | 26°59 | 29°19 | 21°57 | 17°58 | 28°34 | 1°59 | 6°23 | 6°41 | 1°16 | 7°33 | T 18 |
| W19 | 22 8 30 | 0♍20'04 | 11♌58 | 10° 8 | 16°35 | 27°36 | 29°29 | 22° 3 | 17°59 | 28°35 | 2° 1 | 6°23 | 6°38 | 1°23 | 7°31 | W19 |
| T 20 | 22 12 26 | 1°18'25 | 27° 0 | 11°52 | 17°36 | 28°13 | 29°38 | 22°10 | 18° 1 | 28°37 | 2° 3 | 6°22 | 6°35 | 1°30 | 7°30 | T 20 |
| F 21 | 22 16 23 | 2°16'48 | 11♍54 | 13°35 | 18°36 | 28°51 | 29°48 | 22°16 | 18° 2 | 28°38 | 2° 5 | 6°D22 | 6°31 | 1°36 | 7°28 | F 21 |
| S 22 | 22 20 19 | 3°15'13 | 26°33 | 15°17 | 19°36 | 29°28 | 29°58 | 22°23 | 18° 4 | 28°40 | 2° 7 | 6°22 | 6°28 | 1°43 | 7°27 | S 22 |
| S 23 | 22 24 16 | 4°13'39 | 10♎50 | 16°57 | 20°35 | 0♐ 6 | 0♏ 7 | 22°29 | 18° 6 | 28°41 | 2°10 | 6°23 | 6°25 | 1°50 | 7°25 | S 23 |
| M24 | 22 28 12 | 5°12'08 | 24°42 | 18°37 | 21°34 | 0°44 | 0°17 | 22°36 | 18° 7 | 28°43 | 2°12 | 6°23 | 6°22 | 1°56 | 7°24 | M24 |
| T 25 | 22 32 9 | 6°10'38 | 8♏ 8 | 20°15 | 22°33 | 1°22 | 0°27 | 22°42 | 18° 9 | 28°44 | 2°14 | 6°R23 | 6°19 | 2° 3 | 7°23 | T 25 |
| W26 | 22 36 5 | 7° 9'09 | 21° 9 | 21°52 | 23°32 | 2° 1 | 0°38 | 22°49 | 18°11 | 28°46 | 2°16 | 6°23 | 6°15 | 2°10 | 7°22 | W26 |
| T 27 | 22 40 2 | 8° 7'43 | 3♐48 | 23°29 | 24°30 | 2°39 | 0°48 | 22°55 | 18°12 | 28°47 | 2°18 | 6°D23 | 6°12 | 2°16 | 7°21 | T 27 |
| F 28 | 22 43 59 | 9° 6'18 | 16° 8 | 25° 4 | 25°27 | 3°18 | 0°58 | 23° 1 | 18°14 | 28°49 | 2°20 | 6°23 | 6° 9 | 2°23 | 7°20 | F 28 |
| S 29 | 22 47 55 | 10° 4'55 | 28°14 | 26°38 | 26°24 | 3°57 | 1° 9 | 23° 7 | 18°16 | 28°50 | 2°22 | 6°23 | 6° 6 | 2°30 | 7°19 | S 29 |
| S 30 | 22 51 52 | 11° 3'33 | 10♑10 | 28°11 | 27°21 | 4°36 | 1°19 | 23°13 | 18°18 | 28°52 | 2°25 | 6°23 | 6° 3 | 2°36 | 7°18 | S 30 |
| M31 | 22 55 48 | 12♍ 2'14 | 22♑ 1 | 29♍43 | 28♎17 | 5♐15 | 1♏30 | 23♋19 | 18♏20 | 28♎54 | 2♍27 | 6♍24 | 6♍ 0 | 2♒43 | 7♑18 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 17n 2 | 18s 4 | 5n 6 | 20n27 | 1n35 | 0n33 | 0s25 | 19s 9 | 2s13 | 9s27 | 1n 3 | 22n11 | 0n 7 | 16s58 | 0n14 | 9s11 | 1n51 | 23n57 | 13n54 | 9n 8 | 8n46 | 17s16 | 17s 7 | 6n12 | S 1 |
| S 2 | 16 45 | 18 48 | 4 45 | 20 0 | 1 39 | 0 2 | 0 30 | 19 19 | 2 13 | 9 30 | 1 3 | 22 10 | 0 7 | 16 59 | 0 14 | 9 11 | 1 51 | 23 56 | 13 54 | 9 9 | 8 47 | 17 16 | 17 8 | 6 12 | S 2 |
| M 3 | 16 28 | 18 43 | 4 12 | 19 31 | 1 42 | 0s28 | 0 35 | 19 28 | 2 13 | 9 33 | 1 2 | 22 9 | 0 7 | 16 59 | 0 14 | 9 12 | 1 51 | 23 56 | 13 54 | 9 10 | 8 49 | 17 15 | 17 8 | 6 12 | M 3 |
| T 4 | 16 11 | 17 48 | 3 28 | 19 0 | 1 44 | 0 59 | 0 40 | 19 38 | 2 13 | 9 36 | 1 2 | 22 8 | 0 7 | 16 59 | 0 14 | 9 12 | 1 51 | 23 55 | 13 54 | 9 12 | 8 50 | 17 14 | 17 9 | 6 11 | T 4 |
| W 5 | 15 54 | 16 7 | 2 35 | 18 27 | 1 46 | 1 29 | 0 45 | 19 47 | 2 14 | 9 39 | 1 2 | 22 7 | 0 7 | 16 59 | 0 14 | 9 13 | 1 51 | 23 54 | 13 54 | 9 13 | 8 51 | 17 14 | 17 9 | 6 11 | W 5 |
| T 6 | 15 36 | 13 44 | 1 35 | 17 52 | 1 46 | 2 0 | 0 50 | 19 57 | 2 14 | 9 42 | 1 2 | 22 6 | 0 7 | 16 59 | 0 14 | 9 13 | 1 51 | 23 53 | 13 53 | 9 13 | 8 52 | 17 13 | 17 10 | 6 11 | T 6 |
| F 7 | 15 18 | 10 45 | 0 30 | 17 16 | 1 47 | 2 30 | 0 56 | 20 6 | 2 14 | 9 46 | 1 1 | 22 5 | 0 7 | 17 0 | 0 14 | 9 13 | 1 51 | 23 52 | 13 53 | 9 14 | 8 53 | 17 12 | 17 10 | 6 11 | F 7 |
| S 8 | 15 0 | 7 19 | 0s36 | 16 38 | 1 46 | 3 0 | 1 1 | 20 16 | 2 14 | 9 49 | 1 1 | 22 4 | 0 7 | 17 0 | 0 14 | 9 14 | 1 51 | 23 52 | 13 53 | 9 14 | 8 55 | 17 12 | 17 10 | 6 10 | S 8 |
| S 9 | 14 41 | 3 32 | 1 42 | 16 0 | 1 45 | 3 30 | 1 6 | 20 25 | 2 14 | 9 52 | 1 1 | 22 3 | 0 7 | 17 0 | 0 14 | 9 14 | 1 51 | 23 51 | 13 53 | 9 13 | 8 56 | 17 11 | 17 11 | 6 10 | S 9 |
| M10 | 14 23 | 0n26 | 2 43 | 15 20 | 1 43 | 4 1 | 1 12 | 20 34 | 2 14 | 9 55 | 1 1 | 22 2 | 0 7 | 17 0 | 0 14 | 9 15 | 1 50 | 23 50 | 13 53 | 9 13 | 8 57 | 17 10 | 17 11 | 6 10 | M10 |
| T 11 | 14 4 | 4 27 | 3 39 | 14 39 | 1 41 | 4 31 | 1 17 | 20 44 | 2 14 | 9 58 | 1 1 | 22 1 | 0 8 | 17 1 | 0 14 | 9 15 | 1 50 | 23 49 | 13 53 | 9 13 | 8 58 | 17 9 | 17 12 | 6 9 | T 11 |
| W12 | 13 45 | 8 21 | 4 24 | 13 57 | 1 38 | 5 0 | 1 23 | 20 53 | 2 14 | 10 2 | 1 0 | 22 0 | 0 8 | 17 1 | 0 14 | 9 16 | 1 50 | 23 48 | 13 53 | 9 12 | 8 59 | 17 9 | 17 12 | 6 9 | W12 |
| T 13 | 13 25 | 11 56 | 4 57 | 13 15 | 1 35 | 5 30 | 1 28 | 21 2 | 2 14 | 10 5 | 1 0 | 21 59 | 0 8 | 17 1 | 0 14 | 9 16 | 1 50 | 23 48 | 13 53 | 9 12 | 9 1 | 17 8 | 17 12 | 6 9 | T 13 |
| F 14 | 13 6 | 15 0 | 5 15 | 12 32 | 1 31 | 6 0 | 1 34 | 21 11 | 2 14 | 10 8 | 1 0 | 21 58 | 0 8 | 17 2 | 0 14 | 9 17 | 1 50 | 23 47 | 13 53 | 9 12 | 9 2 | 17 7 | 17 13 | 6 9 | F 14 |
| S 15 | 12 46 | 17 18 | 5 15 | 11 48 | 1 27 | 6 30 | 1 40 | 21 20 | 2 14 | 10 12 | 1 0 | 21 57 | 0 8 | 17 2 | 0 14 | 9 17 | 1 50 | 23 46 | 13 53 | 9 12 | 9 3 | 17 6 | 17 13 | 6 8 | S 15 |
| S 16 | 12 26 | 18 37 | 4 56 | 11 5 | 1 23 | 6 59 | 1 45 | 21 29 | 2 14 | 10 15 | 0 59 | 21 56 | 0 8 | 17 2 | 0 14 | 9 18 | 1 50 | 23 45 | 13 53 | 9 12 | 9 4 | 17 6 | 17 14 | 6 8 | S 16 |
| M17 | 12 6 | 18 44 | 4 18 | 10 20 | 1 18 | 7 28 | 1 51 | 21 37 | 2 14 | 10 19 | 0 59 | 21 55 | 0 8 | 17 3 | 0 14 | 9 18 | 1 50 | 23 44 | 13 53 | 9 13 | 9 5 | 17 5 | 17 14 | 6 8 | M17 |
| T 18 | 11 45 | 17 35 | 3 22 | 9 36 | 1 13 | 7 57 | 1 57 | 21 46 | 2 14 | 10 22 | 0 59 | 21 54 | 0 8 | 17 3 | 0 14 | 9 19 | 1 50 | 23 44 | 13 53 | 9 13 | 9 6 | 17 4 | 17 15 | 6 7 | T 18 |
| W19 | 11 25 | 15 11 | 2 12 | 8 51 | 1 7 | 8 26 | 2 3 | 21 55 | 2 14 | 10 26 | 0 59 | 21 53 | 0 8 | 17 4 | 0 14 | 9 19 | 1 50 | 23 43 | 13 54 | 9 13 | 9 8 | 17 3 | 17 15 | 6 7 | W19 |
| T 20 | 11 4 | 11 46 | 0 52 | 8 6 | 1 2 | 8 55 | 2 8 | 22 3 | 2 14 | 10 29 | 0 59 | 21 52 | 0 8 | 17 4 | 0 14 | 9 20 | 1 50 | 23 42 | 13 54 | 9 13 | 9 9 | 17 3 | 17 15 | 6 6 | T 20 |
| F 21 | 10 43 | 7 37 | 0n31 | 7 21 | 0 56 | 9 24 | 2 14 | 22 12 | 2 14 | 10 33 | 0 58 | 21 51 | 0 9 | 17 5 | 0 14 | 9 20 | 1 50 | 23 41 | 13 54 | 9 13 | 9 10 | 17 2 | 17 16 | 6 6 | F 21 |
| S 22 | 10 22 | 3 4 | 1 50 | 6 35 | 0 49 | 9 52 | 2 20 | 22 20 | 2 14 | 10 37 | 0 58 | 21 50 | 0 9 | 17 5 | 0 14 | 9 21 | 1 50 | 23 41 | 13 54 | 9 13 | 9 11 | 17 1 | 17 16 | 6 6 | S 22 |
| S 23 | 10 1 | 1s33 | 3 0 | 5 50 | 0 43 | 10 20 | 2 26 | 22 28 | 2 14 | 10 40 | 0 58 | 21 50 | 0 9 | 17 5 | 0 14 | 9 21 | 1 50 | 23 40 | 13 54 | 9 13 | 9 12 | 17 0 | 17 17 | 6 5 | S 23 |
| M24 | 9 39 | 5 56 | 3 58 | 5 5 | 0 36 | 10 48 | 2 32 | 22 36 | 2 14 | 10 44 | 0 58 | 21 49 | 0 9 | 17 6 | 0 14 | 9 22 | 1 50 | 23 39 | 13 54 | 9 13 | 9 14 | 17 0 | 17 17 | 6 5 | M24 |
| T 25 | 9 18 | 9 52 | 4 40 | 4 20 | 0 30 | 11 16 | 2 38 | 22 44 | 2 14 | 10 48 | 0 58 | 21 48 | 0 9 | 17 6 | 0 14 | 9 22 | 1 50 | 23 38 | 13 54 | 9 13 | 9 15 | 16 59 | 17 18 | 6 5 | T 25 |
| W26 | 8 56 | 13 13 | 5 7 | 3 35 | 0 23 | 11 43 | 2 44 | 22 52 | 2 14 | 10 51 | 0 58 | 21 47 | 0 9 | 17 7 | 0 14 | 9 23 | 1 50 | 23 38 | 13 54 | 9 13 | 9 16 | 16 58 | 17 18 | 6 4 | W26 |
| T 27 | 8 34 | 15 50 | 5 17 | 2 51 | 0 16 | 12 10 | 2 50 | 22 59 | 2 13 | 10 55 | 0 57 | 21 46 | 0 9 | 17 7 | 0 14 | 9 24 | 1 50 | 23 37 | 13 54 | 9 13 | 9 17 | 16 57 | 17 18 | 6 4 | T 27 |
| F 28 | 8 12 | 17 39 | 5 13 | 2 6 | 0 9 | 12 37 | 2 56 | 23 7 | 2 13 | 10 59 | 0 57 | 21 45 | 0 9 | 17 8 | 0 14 | 9 24 | 1 50 | 23 36 | 13 54 | 9 13 | 9 18 | 16 57 | 17 19 | 6 4 | F 28 |
| S 29 | 7 50 | 18 38 | 4 55 | 1 22 | 0 1 | 13 4 | 3 2 | 23 14 | 2 13 | 11 3 | 0 57 | 21 44 | 0 9 | 17 8 | 0 14 | 9 25 | 1 50 | 23 36 | 13 54 | 9 13 | 9 19 | 16 56 | 17 19 | 6 3 | S 29 |
| S 30 | 7 27 | 18 47 | 4 24 | 0 38 | 0s 6 | 13 30 | 3 8 | 23 21 | 2 13 | 11 7 | 0 57 | 21 43 | 0 9 | 17 9 | 0 14 | 9 26 | 1 49 | 23 35 | 13 54 | 9 13 | 9 21 | 16 55 | 17 20 | 6 3 | S 30 |
| M31 | 7n 5 | 18s 6 | 3n43 | 0s 6 | 0s13 | 13s56 | 3s14 | 23s28 | 2s13 | 11s10 | 0n57 | 21n42 | 0n10 | 17s10 | 0n14 | 9s26 | 1n49 | 23n34 | 13n55 | 9n13 | 9n22 | 16s54 | 17s20 | 6n 2 | M31 |

Julian Day Number = 2077023.5, Delta T = 26m34s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°26'57, Lahiri = 9°33'57 Julian Calendar 1 Aug. 974 == Greg. Calendar 6 Aug. 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## SEPTEMBER 974 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 59 45 | 13♍ 0'56 | 3♒50 | 1♎15 | 29♎13 | 5♐54 | 1♏40 | 23♋25 | 18♏22 | 28♎55 | 2♍29 | 6♍25 | 5♍56 | 2♒50 | 7°R17 | T 1 |
| W 2 | 23 3 41 | 13°59'40 | 15°41 | 2°45 | 0♏ 8 | 6°34 | 1°51 | 23°31 | 18°24 | 28°57 | 2°31 | 6°25 | 5°53 | 2°56 | 7♉17 | W 2 |
| T 3 | 23 7 38 | 14°58'26 | 27°38 | 4°14 | 1° 2 | 7°14 | 2° 2 | 23°37 | 18°26 | 28°59 | 2°33 | 6°26 | 5°50 | 3° 3 | 7°16 | T 3 |
| F 4 | 23 11 34 | 15°57'14 | 9♓42 | 5°42 | 1°56 | 7°53 | 2°13 | 23°43 | 18°28 | 29° 0 | 2°35 | 6°R26 | 5°47 | 3°10 | 7°16 | F 4 |
| S 5 | 23 15 31 | 16°56'03 | 21°55 | 7° 9 | 2°50 | 8°33 | 2°24 | 23°48 | 18°30 | 29° 2 | 2°37 | 6°26 | 5°44 | 3°16 | 7°15 | S 5 |
| S 6 | 23 19 28 | 17°54'55 | 4♈20 | 8°35 | 3°43 | 9°13 | 2°35 | 23°54 | 18°33 | 29° 4 | 2°39 | 6°25 | 5°40 | 3°23 | 7°15 | S 6 |
| M 7 | 23 23 24 | 18°53'49 | 16°56 | 10° 0 | 4°35 | 9°54 | 2°46 | 24° 0 | 18°35 | 29° 6 | 2°41 | 6°23 | 5°37 | 3°30 | 7°15 | M 7 |
| T 8 | 23 27 21 | 19°52'45 | 29°46 | 11°24 | 5°27 | 10°34 | 2°58 | 24° 5 | 18°37 | 29° 8 | 2°43 | 6°21 | 5°34 | 3°36 | 7°15 | T 8 |
| W 9 | 23 31 17 | 20°51'44 | 12♉50 | 12°47 | 6°18 | 11°15 | 3° 9 | 24°10 | 18°39 | 29° 9 | 2°45 | 6°19 | 5°31 | 3°43 | 7°D15 | W 9 |
| T 10 | 23 35 14 | 21°50'45 | 26° 8 | 14° 8 | 7° 8 | 11°55 | 3°20 | 24°16 | 18°42 | 29°11 | 2°48 | 6°18 | 5°28 | 3°50 | 7°15 | T 10 |
| F 11 | 23 39 10 | 22°49'48 | 9♊41 | 15°29 | 7°58 | 12°36 | 3°32 | 24°21 | 18°44 | 29°13 | 2°50 | 6°16 | 5°25 | 3°56 | 7°15 | F 11 |
| S 12 | 23 43 7 | 23°48'54 | 23°30 | 16°48 | 8°47 | 13°17 | 3°43 | 24°26 | 18°47 | 29°15 | 2°52 | 6°D16 | 5°21 | 4° 3 | 7°15 | S 12 |
| S 13 | 23 47 3 | 24°48'02 | 7♋34 | 18° 6 | 9°35 | 13°58 | 3°55 | 24°31 | 18°49 | 29°17 | 2°54 | 6°16 | 5°18 | 4°10 | 7°16 | S 13 |
| M14 | 23 51 0 | 25°47'12 | 21°51 | 19°23 | 10°22 | 14°39 | 4° 7 | 24°36 | 18°52 | 29°19 | 2°56 | 6°17 | 5°15 | 4°16 | 7°16 | M14 |
| T 15 | 23 54 57 | 26°46'25 | 6♌20 | 20°38 | 11° 9 | 15°21 | 4°18 | 24°41 | 18°54 | 29°21 | 2°58 | 6°19 | 5°12 | 4°23 | 7°16 | T 15 |
| W16 | 23 58 53 | 27°45'40 | 20°57 | 21°52 | 11°55 | 16° 2 | 4°30 | 24°46 | 18°57 | 29°23 | 3° 0 | 6°20 | 5° 9 | 4°30 | 7°17 | W16 |
| T 17 | 0 2 50 | 28°44'58 | 5♍36 | 23° 4 | 12°40 | 16°44 | 4°42 | 24°51 | 19° 0 | 29°25 | 3° 2 | 6°R20 | 5° 6 | 4°36 | 7°17 | T 17 |
| F 18 | 0 6 46 | 29°44'17 | 20°13 | 24°14 | 13°24 | 17°25 | 4°54 | 24°56 | 19° 2 | 29°27 | 3° 4 | 6°20 | 5° 2 | 4°43 | 7°18 | F 18 |
| S 19 | 0 10 43 | 0♎43'39 | 4♎39 | 25°23 | 14° 7 | 18° 7 | 5° 6 | 25° 0 | 19° 5 | 29°29 | 3° 6 | 6°18 | 4°59 | 4°50 | 7°19 | S 19 |
| S 20 | 0 14 39 | 1°43'03 | 18°51 | 26°30 | 14°49 | 18°49 | 5°18 | 25° 5 | 19° 8 | 29°31 | 3° 7 | 6°15 | 4°56 | 4°56 | 7°20 | S 20 |
| M21 | 0 18 36 | 2°42'29 | 2♏41 | 27°34 | 15°30 | 19°31 | 5°30 | 25° 9 | 19°11 | 29°33 | 3° 9 | 6°11 | 4°53 | 5° 3 | 7°21 | M21 |
| T 22 | 0 22 32 | 3°41'56 | 16° 9 | 28°36 | 16° 9 | 20°13 | 5°43 | 25°14 | 19°13 | 29°35 | 3°11 | 6° 7 | 4°50 | 5°10 | 7°22 | T 22 |
| W23 | 0 26 29 | 4°41'26 | 29°14 | 29°36 | 16°48 | 20°56 | 5°55 | 25°18 | 19°16 | 29°37 | 3°13 | 6° 3 | 4°46 | 5°16 | 7°23 | W23 |
| T 24 | 0 30 25 | 5°40'58 | 11♐56 | 0♏32 | 17°26 | 21°38 | 6° 7 | 25°22 | 19°19 | 29°39 | 3°15 | 6° 0 | 4°43 | 5°23 | 7°24 | T 24 |
| F 25 | 0 34 22 | 6°40'31 | 24°18 | 1°26 | 18° 2 | 22°21 | 6°19 | 25°26 | 19°22 | 29°41 | 3°17 | 5°57 | 4°40 | 5°30 | 7°25 | F 25 |
| S 26 | 0 38 19 | 7°40'06 | 6♉25 | 2°16 | 18°37 | 23° 3 | 6°32 | 25°30 | 19°25 | 29°43 | 3°19 | 5°D57 | 4°37 | 5°36 | 7°26 | S 26 |
| S 27 | 0 42 15 | 8°39'43 | 18°21 | 3° 3 | 19°11 | 23°46 | 6°44 | 25°34 | 19°28 | 29°46 | 3°21 | 5°57 | 4°34 | 5°43 | 7°28 | S 27 |
| M28 | 0 46 12 | 9°39'22 | 0♒11 | 3°45 | 19°43 | 24°29 | 6°57 | 25°38 | 19°31 | 29°48 | 3°22 | 5°58 | 4°31 | 5°50 | 7°29 | M28 |
| T 29 | 0 50 8 | 10°39'03 | 12° 0 | 4°23 | 20°14 | 25°12 | 7° 9 | 25°42 | 19°34 | 29°50 | 3°24 | 6° 0 | 4°27 | 5°56 | 7°30 | T 29 |
| W30 | 0 54 5 | 11♎38'45 | 23♒54 | 4♏56 | 20♏43 | 25♐55 | 7♏22 | 25♋46 | 19♏37 | 29♎52 | 3♍26 | 6♍ 2 | 4♍24 | 6♒ 3 | 7♉32 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n42 | 16s37 | 2n51 | 0s49 | 0s21 | 14s22 | 3s20 | 23s35 | 2s13 | 11s14 | 0n56 | 21n41 | 0n10 | 17s10 | 0n14 | 9s27 | 1n49 | 23n34 | 13n55 | 9n12 | 9n23 | 16s54 | 17s21 | 6n 2 |
| W 2 | 6 20 | 14 26 | 1 53 | 1 32 | 0 28 | 14 47 | 3 26 | 23 42 | 2 12 | 11 18 | 0 56 | 21 40 | 0 10 | 17 11 | 0 14 | 9 27 | 1 49 | 23 33 | 13 55 | 9 12 | 9 24 | 16 53 | 17 21 | 6 2 |
| T 3 | 5 57 | 11 36 | 0 49 | 2 14 | 0 36 | 15 12 | 3 32 | 23 48 | 2 12 | 11 22 | 0 56 | 21 39 | 0 10 | 17 11 | 0 14 | 9 28 | 1 49 | 23 32 | 13 55 | 9 12 | 9 25 | 16 52 | 17 21 | 6 1 |
| F 4 | 5 34 | 8 15 | 0s18 | 2 56 | 0 43 | 15 37 | 3 38 | 23 55 | 2 12 | 11 26 | 0 56 | 21 38 | 0 10 | 17 12 | 0 14 | 9 29 | 1 49 | 23 32 | 13 55 | 9 12 | 9 26 | 16 51 | 17 22 | 6 1 |
| S 5 | 5 11 | 4 31 | 1 25 | 3 38 | 0 51 | 16 1 | 3 44 | 24 1 | 2 12 | 11 30 | 0 56 | 21 37 | 0 10 | 17 13 | 0 14 | 9 29 | 1 49 | 23 31 | 13 55 | 9 12 | 9 28 | 16 50 | 17 22 | 6 0 |
| S 6 | 4 48 | 0 32 | 2 29 | 4 19 | 0 59 | 16 25 | 3 50 | 24 7 | 2 11 | 11 34 | 0 56 | 21 37 | 0 10 | 17 13 | 0 14 | 9 30 | 1 49 | 23 30 | 13 55 | 9 13 | 9 29 | 16 50 | 17 23 | 6 0 |
| M 7 | 4 25 | 3n31 | 3 26 | 5 0 | 1 6 | 16 49 | 3 56 | 24 13 | 2 11 | 11 38 | 0 55 | 21 36 | 0 10 | 17 14 | 0 14 | 9 31 | 1 49 | 23 30 | 13 56 | 9 13 | 9 30 | 16 49 | 17 23 | 6 0 |
| T 8 | 4 2 | 7 29 | 4 14 | 5 40 | 1 14 | 17 12 | 4 2 | 24 19 | 2 11 | 11 42 | 0 55 | 21 35 | 0 10 | 17 15 | 0 14 | 9 31 | 1 49 | 23 29 | 13 56 | 9 14 | 9 31 | 16 48 | 17 24 | 5 59 |
| W 9 | 3 38 | 11 10 | 4 50 | 6 19 | 1 21 | 17 35 | 4 8 | 24 24 | 2 10 | 11 46 | 0 55 | 21 34 | 0 10 | 17 15 | 0 14 | 9 32 | 1 49 | 23 29 | 13 56 | 9 14 | 9 32 | 16 47 | 17 24 | 5 59 |
| T 10 | 3 15 | 14 21 | 5 11 | 6 58 | 1 29 | 17 57 | 4 13 | 24 29 | 2 10 | 11 50 | 0 55 | 21 33 | 0 11 | 17 16 | 0 14 | 9 33 | 1 49 | 23 28 | 13 56 | 9 15 | 9 34 | 16 46 | 17 24 | 5 58 |
| F 11 | 2 52 | 16 49 | 5 16 | 7 36 | 1 36 | 18 19 | 4 19 | 24 35 | 2 10 | 11 54 | 0 55 | 21 32 | 0 11 | 17 17 | 0 14 | 9 33 | 1 49 | 23 27 | 13 56 | 9 16 | 9 35 | 16 45 | 17 25 | 5 58 |
| S 12 | 2 28 | 18 23 | 5 2 | 8 14 | 1 43 | 18 41 | 4 25 | 24 40 | 2 9 | 11 58 | 0 55 | 21 32 | 0 11 | 17 17 | 0 14 | 9 34 | 1 49 | 23 27 | 13 57 | 9 16 | 9 36 | 16 45 | 17 25 | 5 58 |
| S 13 | 2 5 | 18 51 | 4 30 | 8 50 | 1 50 | 19 2 | 4 30 | 24 44 | 2 9 | 12 2 | 0 54 | 21 31 | 0 11 | 17 18 | 0 13 | 9 35 | 1 49 | 23 26 | 13 57 | 9 16 | 9 37 | 16 44 | 17 26 | 5 57 |
| M14 | 1 41 | 18 8 | 3 42 | 9 26 | 1 58 | 19 22 | 4 36 | 24 49 | 2 9 | 12 6 | 0 54 | 21 30 | 0 11 | 17 19 | 0 13 | 9 36 | 1 49 | 23 26 | 13 57 | 9 15 | 9 38 | 16 43 | 17 26 | 5 57 |
| T 15 | 1 17 | 16 14 | 2 38 | 10 1 | 2 4 | 19 42 | 4 41 | 24 53 | 2 8 | 12 11 | 0 54 | 21 29 | 0 11 | 17 19 | 0 13 | 9 36 | 1 49 | 23 25 | 13 57 | 9 15 | 9 39 | 16 42 | 17 26 | 5 56 |
| W16 | 0 54 | 13 16 | 1 24 | 10 35 | 2 11 | 20 2 | 4 47 | 24 57 | 2 8 | 12 15 | 0 54 | 21 28 | 0 11 | 17 20 | 0 13 | 9 37 | 1 49 | 23 25 | 13 58 | 9 14 | 9 41 | 16 41 | 17 27 | 5 56 |
| T 17 | 0 30 | 9 27 | 0 4 | 11 8 | 2 18 | 20 21 | 4 52 | 25 1 | 2 8 | 12 19 | 0 54 | 21 28 | 0 11 | 17 21 | 0 13 | 9 38 | 1 49 | 23 24 | 13 58 | 9 14 | 9 42 | 16 41 | 17 27 | 5 55 |
| F 18 | 0 6 | 5 3 | 1n16 | 11 41 | 2 24 | 20 40 | 4 57 | 25 5 | 2 7 | 12 23 | 0 54 | 21 27 | 0 11 | 17 22 | 0 13 | 9 39 | 1 49 | 23 24 | 13 58 | 9 14 | 9 43 | 16 40 | 17 27 | 5 55 |
| S 19 | 0s17 | 0 26 | 2 30 | 12 12 | 2 30 | 20 58 | 5 3 | 25 8 | 2 7 | 12 27 | 0 54 | 21 26 | 0 12 | 17 22 | 0 13 | 9 39 | 1 49 | 23 23 | 13 58 | 9 15 | 9 44 | 16 39 | 17 28 | 5 55 |
| S 20 | 0 41 | 4s 8 | 3 33 | 12 42 | 2 36 | 21 16 | 5 8 | 25 12 | 2 6 | 12 31 | 0 53 | 21 25 | 0 12 | 17 23 | 0 13 | 9 40 | 1 49 | 23 23 | 13 59 | 9 16 | 9 45 | 16 38 | 17 28 | 5 54 |
| M21 | 1 5 | 8 22 | 4 22 | 13 10 | 2 41 | 21 33 | 5 13 | 25 15 | 2 6 | 12 35 | 0 53 | 21 25 | 0 12 | 17 24 | 0 13 | 9 41 | 1 49 | 23 22 | 13 59 | 9 17 | 9 46 | 16 37 | 17 29 | 5 54 |
| T 22 | 1 29 | 12 3 | 4 55 | 13 38 | 2 47 | 21 49 | 5 17 | 25 18 | 2 5 | 12 40 | 0 53 | 21 24 | 0 12 | 17 25 | 0 13 | 9 42 | 1 49 | 23 22 | 13 59 | 9 19 | 9 48 | 16 36 | 17 29 | 5 53 |
| W23 | 1 52 | 15 2 | 5 11 | 14 4 | 2 51 | 22 5 | 5 22 | 25 20 | 2 5 | 12 44 | 0 53 | 21 23 | 0 12 | 17 26 | 0 13 | 9 42 | 1 49 | 23 21 | 13 59 | 9 21 | 9 49 | 16 35 | 17 29 | 5 53 |
| T 24 | 2 16 | 17 11 | 5 12 | 14 28 | 2 56 | 22 20 | 5 27 | 25 23 | 2 5 | 12 48 | 0 53 | 21 23 | 0 12 | 17 26 | 0 13 | 9 43 | 1 49 | 23 21 | 14 0 | 9 22 | 9 50 | 16 35 | 17 30 | 5 53 |
| F 25 | 2 40 | 18 29 | 4 58 | 14 51 | 3 0 | 22 35 | 5 31 | 25 25 | 2 4 | 12 52 | 0 53 | 21 22 | 0 12 | 17 27 | 0 13 | 9 44 | 1 49 | 23 20 | 14 0 | 9 23 | 9 51 | 16 34 | 17 30 | 5 52 |
| S 26 | 3 4 | 18 55 | 4 30 | 15 12 | 3 3 | 22 49 | 5 35 | 25 27 | 2 4 | 12 56 | 0 53 | 21 21 | 0 12 | 17 28 | 0 13 | 9 45 | 1 49 | 23 20 | 14 0 | 9 23 | 9 52 | 16 33 | 17 30 | 5 52 |
| S 27 | 3 27 | 18 29 | 3 52 | 15 30 | 3 6 | 23 3 | 5 39 | 25 28 | 2 3 | 13 1 | 0 53 | 21 21 | 0 12 | 17 29 | 0 13 | 9 45 | 1 49 | 23 19 | 14 1 | 9 23 | 9 53 | 16 32 | 17 31 | 5 51 |
| M28 | 3 51 | 17 14 | 3 4 | 15 47 | 3 9 | 23 15 | 5 43 | 25 30 | 2 3 | 13 5 | 0 52 | 21 20 | 0 13 | 17 30 | 0 13 | 9 46 | 1 49 | 23 19 | 14 1 | 9 22 | 9 55 | 16 31 | 17 31 | 5 51 |
| T 29 | 4 14 | 15 15 | 2 8 | 16 2 | 3 10 | 23 28 | 5 47 | 25 31 | 2 2 | 13 9 | 0 52 | 21 20 | 0 13 | 17 31 | 0 13 | 9 47 | 1 49 | 23 19 | 14 1 | 9 21 | 9 56 | 16 30 | 17 31 | 5 51 |
| W30 | 4s38 | 12s36 | 1n 6 | 16s14 | 3s11 | 23s39 | 5s50 | 25s32 | 2s 1 | 13s13 | 0n52 | 21n19 | 0n13 | 17s31 | 0n13 | 9s48 | 1n48 | 23n18 | 14n 1 | 9n21 | 9n57 | 16s29 | 17s32 | 5n50 |

Julian Day Number = 2077054.5, Delta T = 26m33s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'01, Lahiri = 9°34'01 Julian Calendar 1 Sept. 974 == Greg. Calendar 6 Sept. 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## OCTOBER 974 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 58 1 | 12♎38'29 | 5♓55 | 5♏23 | 21♏11 | 26♐38 | 7♏35 | 25♋49 | 19♏40 | 29♎54 | 3♍28 | 6°R 3 | 4♍21 | 6♒10 | 7♉34 | T 1 |
| F 2 | 1 1 58 | 13°38'15 | 18° 8 | 5°45 | 21°37 | 27°21 | 7°47 | 25°53 | 19°44 | 29°56 | 3°30 | 6♍ 2 | 4°18 | 6°16 | 7°35 | F 2 |
| S 3 | 1 5 54 | 14°38'03 | 0♈34 | 5°59 | 22° 2 | 28° 4 | 8° 0 | 25°56 | 19°47 | 29°58 | 3°31 | 5°59 | 4°15 | 6°23 | 7°37 | S 3 |
| S 4 | 1 9 51 | 15°37'53 | 13°17 | 6°R 7 | 22°25 | 28°47 | 8°13 | 25°59 | 19°50 | 0♏ 1 | 3°33 | 5°55 | 4°11 | 6°30 | 7°39 | S 4 |
| M 5 | 1 13 48 | 16°37'45 | 26°15 | 6° 7 | 22°46 | 29°31 | 8°26 | 26° 2 | 19°53 | 0° 3 | 3°35 | 5°49 | 4° 8 | 6°36 | 7°41 | M 5 |
| T 6 | 1 17 44 | 17°37'39 | 9♉29 | 5°58 | 23° 5 | 0♉14 | 8°38 | 26° 5 | 19°56 | 0° 5 | 3°36 | 5°41 | 4° 5 | 6°43 | 7°43 | T 6 |
| W 7 | 1 21 41 | 18°37'35 | 22°56 | 5°41 | 23°22 | 0°58 | 8°51 | 26° 8 | 20° 0 | 0° 7 | 3°38 | 5°34 | 4° 2 | 6°50 | 7°45 | W 7 |
| T 8 | 1 25 37 | 19°37'33 | 6♊35 | 5°15 | 23°37 | 1°42 | 9° 4 | 26°11 | 20° 3 | 0° 9 | 3°40 | 5°27 | 3°59 | 6°56 | 7°47 | T 8 |
| F 9 | 1 29 34 | 20°37'33 | 20°23 | 4°39 | 23°50 | 2°25 | 9°17 | 26°14 | 20° 6 | 0°12 | 3°41 | 5°22 | 3°56 | 7° 3 | 7°49 | F 9 |
| S 10 | 1 33 30 | 21°37'36 | 4♋19 | 3°54 | 24° 1 | 3° 9 | 9°30 | 26°17 | 20°10 | 0°14 | 3°43 | 5°19 | 3°52 | 7°10 | 7°52 | S 10 |
| S 11 | 1 37 27 | 22°37'41 | 18°21 | 3° 0 | 24°10 | 3°53 | 9°43 | 26°19 | 20°13 | 0°16 | 3°44 | 5°D17 | 3°49 | 7°16 | 7°54 | S 11 |
| M12 | 1 41 23 | 23°37'48 | 2♌28 | 1°58 | 24°16 | 4°37 | 9°56 | 26°22 | 20°16 | 0°18 | 3°46 | 5°17 | 3°46 | 7°23 | 7°57 | M12 |
| T 13 | 1 45 20 | 24°37'57 | 16°38 | 0°50 | 24°21 | 5°21 | 10° 9 | 26°24 | 20°20 | 0°21 | 3°47 | 5°18 | 3°43 | 7°30 | 7°59 | T 13 |
| W14 | 1 49 17 | 25°38'08 | 0♍51 | 29♎35 | 24°R23 | 6° 5 | 10°22 | 26°26 | 20°23 | 0°23 | 3°49 | 5°R19 | 3°40 | 7°36 | 8° 2 | W14 |
| T 15 | 1 53 13 | 26°38'22 | 15° 3 | 28°18 | 24°22 | 6°49 | 10°36 | 26°29 | 20°27 | 0°25 | 3°50 | 5°19 | 3°37 | 7°43 | 8° 4 | T 15 |
| F 16 | 1 57 10 | 27°38'37 | 29°13 | 26°59 | 24°20 | 7°33 | 10°49 | 26°31 | 20°30 | 0°27 | 3°52 | 5°16 | 3°33 | 7°50 | 8° 7 | F 16 |
| S 17 | 2 1 6 | 28°38'55 | 13♎16 | 25°41 | 24°14 | 8°18 | 11° 2 | 26°32 | 20°34 | 0°30 | 3°53 | 5°12 | 3°30 | 7°56 | 8°10 | S 17 |
| S 18 | 2 5 3 | 29°39'14 | 27° 8 | 24°28 | 24° 7 | 9° 2 | 11°15 | 26°34 | 20°37 | 0°32 | 3°55 | 5° 4 | 3°27 | 8° 3 | 8°12 | S 18 |
| M19 | 2 8 59 | 0♏39'35 | 10♏46 | 23°21 | 23°57 | 9°46 | 11°28 | 26°36 | 20°41 | 0°34 | 3°56 | 4°55 | 3°24 | 8°10 | 8°15 | M19 |
| T 20 | 2 12 56 | 1°39'58 | 24° 6 | 22°22 | 23°45 | 10°31 | 11°42 | 26°38 | 20°44 | 0°36 | 3°57 | 4°45 | 3°21 | 8°16 | 8°18 | T 20 |
| W21 | 2 16 52 | 2°40'22 | 7♐ 6 | 21°33 | 23°30 | 11°15 | 11°55 | 26°39 | 20°48 | 0°39 | 3°59 | 4°34 | 3°17 | 8°23 | 8°21 | W21 |
| T 22 | 2 20 49 | 3°40'49 | 19°47 | 20°55 | 23°12 | 12° 0 | 12° 8 | 26°40 | 20°51 | 0°41 | 4° 0 | 4°25 | 3°14 | 8°30 | 8°24 | T 22 |
| F 23 | 2 24 45 | 4°41'16 | 2♑ 9 | 20°28 | 22°53 | 12°45 | 12°21 | 26°42 | 20°55 | 0°43 | 4° 1 | 4°18 | 3°11 | 8°36 | 8°28 | F 23 |
| S 24 | 2 28 42 | 5°41'45 | 14°16 | 20°13 | 22°31 | 13°29 | 12°35 | 26°43 | 20°58 | 0°45 | 4° 2 | 4°13 | 3° 8 | 8°43 | 8°31 | S 24 |
| S 25 | 2 32 39 | 6°42'16 | 26°12 | 20°D10 | 22° 7 | 14°14 | 12°48 | 26°44 | 21° 2 | 0°48 | 4° 4 | 4°10 | 3° 5 | 8°49 | 8°34 | S 25 |
| M26 | 2 36 35 | 7°42'47 | 8♒ 1 | 20°18 | 21°41 | 14°59 | 13° 1 | 26°45 | 21° 6 | 0°50 | 4° 5 | 4°D10 | 3° 2 | 8°56 | 8°37 | M26 |
| T 27 | 2 40 32 | 8°43'20 | 19°50 | 20°36 | 21°13 | 15°44 | 13°15 | 26°46 | 21° 9 | 0°52 | 4° 6 | 4°10 | 2°58 | 9° 3 | 8°41 | T 27 |
| W28 | 2 44 28 | 9°43'55 | 1♓43 | 21° 3 | 20°44 | 16°29 | 13°28 | 26°46 | 21°13 | 0°54 | 4° 7 | 4°R11 | 2°55 | 9° 9 | 8°44 | W28 |
| T 29 | 2 48 25 | 10°44'30 | 13°46 | 21°39 | 20°12 | 17°14 | 13°41 | 26°47 | 21°17 | 0°57 | 4° 8 | 4°10 | 2°52 | 9°16 | 8°48 | T 29 |
| F 30 | 2 52 21 | 11°45'07 | 26° 4 | 22°23 | 19°39 | 17°59 | 13°55 | 26°48 | 21°20 | 0°59 | 4° 9 | 4° 8 | 2°49 | 9°23 | 8°51 | F 30 |
| S 31 | 2 56 18 | 12♏45'46 | 8♈40 | 23♎14 | 19♏ 6 | 18♉44 | 14♏ 8 | 26♋48 | 21♏24 | 1♏ 1 | 4♍10 | 4♍ 3 | 2♍46 | 9♒29 | 8♉55 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s 1 | 9s23 | 0n 1 | 16s23 | 3s11 | 23s50 | 5s53 | 25s33 | 2s 1 | 13s18 | 0n52 | 21n19 | 0n13 | 17s32 | 0n13 | 9s48 | 1n48 | 23n18 | 14n 2 | 9n21 | 9n58 | 16s28 | 17s32 | 5n50 |
| F 2 | 5 25 | 5 43 | 1s 5 | 16 29 | 3 10 | 24 0 | 5 56 | 25 33 | 2 0 | 13 22 | 0 52 | 21 18 | 0 13 | 17 33 | 0 13 | 9 49 | 1 48 | 23 18 | 14 2 | 9 21 | 9 59 | 16 28 | 17 32 | 5 49 |
| S 3 | 5 48 | 1 45 | 2 10 | 16 32 | 3 8 | 24 9 | 5 59 | 25 33 | 2 0 | 13 26 | 0 52 | 21 18 | 0 13 | 17 34 | 0 13 | 9 50 | 1 48 | 23 17 | 14 3 | 9 22 | 10 0 | 16 27 | 17 33 | 5 49 |
| S 4 | 6 11 | 2n23 | 3 9 | 16 32 | 3 4 | 24 17 | 6 2 | 25 33 | 1 59 | 13 30 | 0 52 | 21 17 | 0 13 | 17 35 | 0 13 | 9 51 | 1 48 | 23 17 | 14 3 | 9 24 | 10 2 | 16 26 | 17 33 | 5 49 |
| M 5 | 6 34 | 6 29 | 3 59 | 16 27 | 3 0 | 24 25 | 6 4 | 25 33 | 1 59 | 13 35 | 0 52 | 21 17 | 0 13 | 17 36 | 0 13 | 9 52 | 1 48 | 23 17 | 14 3 | 9 26 | 10 3 | 16 25 | 17 33 | 5 48 |
| T 6 | 6 57 | 10 20 | 4 37 | 16 19 | 2 54 | 24 32 | 6 6 | 25 32 | 1 58 | 13 39 | 0 52 | 21 16 | 0 14 | 17 37 | 0 13 | 9 52 | 1 48 | 23 16 | 14 4 | 9 28 | 10 4 | 16 24 | 17 33 | 5 48 |
| W 7 | 7 20 | 13 45 | 5 1 | 16 6 | 2 46 | 24 38 | 6 7 | 25 32 | 1 58 | 13 43 | 0 51 | 21 16 | 0 14 | 17 38 | 0 13 | 9 53 | 1 48 | 23 16 | 14 4 | 9 31 | 10 5 | 16 23 | 17 34 | 5 47 |
| T 8 | 7 43 | 16 27 | 5 9 | 15 48 | 2 37 | 24 43 | 6 8 | 25 30 | 1 57 | 13 47 | 0 51 | 21 15 | 0 14 | 17 38 | 0 13 | 9 54 | 1 48 | 23 16 | 14 4 | 9 34 | 10 6 | 16 22 | 17 34 | 5 47 |
| F 9 | 8 6 | 18 16 | 4 58 | 15 26 | 2 26 | 24 47 | 6 9 | 25 29 | 1 56 | 13 51 | 0 51 | 21 15 | 0 14 | 17 39 | 0 13 | 9 55 | 1 48 | 23 15 | 14 5 | 9 36 | 10 7 | 16 21 | 17 34 | 5 47 |
| S 10 | 8 28 | 19 0 | 4 30 | 14 58 | 2 13 | 24 50 | 6 10 | 25 28 | 1 56 | 13 56 | 0 51 | 21 14 | 0 14 | 17 40 | 0 13 | 9 55 | 1 48 | 23 15 | 14 5 | 9 37 | 10 8 | 16 20 | 17 34 | 5 46 |
| S 11 | 8 51 | 18 34 | 3 46 | 14 26 | 1 58 | 24 53 | 6 10 | 25 26 | 1 55 | 14 0 | 0 51 | 21 14 | 0 14 | 17 41 | 0 13 | 9 56 | 1 48 | 23 15 | 14 5 | 9 37 | 10 10 | 16 20 | 17 35 | 5 46 |
| M12 | 9 13 | 17 0 | 2 48 | 13 49 | 1 42 | 24 54 | 6 9 | 25 24 | 1 54 | 14 4 | 0 51 | 21 14 | 0 14 | 17 42 | 0 13 | 9 57 | 1 48 | 23 15 | 14 6 | 9 37 | 10 11 | 16 19 | 17 35 | 5 46 |
| T 13 | 9 36 | 14 22 | 1 39 | 13 8 | 1 24 | 24 54 | 6 8 | 25 21 | 1 54 | 14 8 | 0 51 | 21 13 | 0 14 | 17 43 | 0 13 | 9 58 | 1 48 | 23 15 | 14 6 | 9 37 | 10 12 | 16 18 | 17 35 | 5 45 |
| W14 | 9 58 | 10 51 | 0 24 | 12 24 | 1 5 | 24 53 | 6 7 | 25 19 | 1 53 | 14 13 | 0 51 | 21 13 | 0 15 | 17 44 | 0 13 | 9 59 | 1 48 | 23 14 | 14 7 | 9 37 | 10 13 | 16 17 | 17 35 | 5 45 |
| T 15 | 10 20 | 6 43 | 0n52 | 11 38 | 0 45 | 24 51 | 6 5 | 25 16 | 1 53 | 14 17 | 0 51 | 21 13 | 0 15 | 17 45 | 0 13 | 9 59 | 1 48 | 23 14 | 14 7 | 9 37 | 10 14 | 16 16 | 17 36 | 5 44 |
| F 16 | 10 42 | 2 13 | 2 5 | 10 50 | 0 24 | 24 48 | 6 3 | 25 13 | 1 52 | 14 21 | 0 50 | 21 13 | 0 15 | 17 46 | 0 13 | 10 0 | 1 48 | 23 14 | 14 7 | 9 38 | 10 15 | 16 15 | 17 36 | 5 44 |
| S 17 | 11 3 | 2s22 | 3 9 | 10 2 | 0 4 | 24 44 | 5 59 | 25 10 | 1 51 | 14 25 | 0 50 | 21 12 | 0 15 | 17 47 | 0 13 | 10 1 | 1 48 | 23 14 | 14 8 | 9 39 | 10 17 | 16 14 | 17 36 | 5 44 |
| S 18 | 11 25 | 6 45 | 4 1 | 9 16 | 0n17 | 24 39 | 5 56 | 25 6 | 1 51 | 14 29 | 0 50 | 21 12 | 0 15 | 17 48 | 0 13 | 10 2 | 1 48 | 23 14 | 14 8 | 9 42 | 10 18 | 16 13 | 17 36 | 5 43 |
| M19 | 11 46 | 10 43 | 4 39 | 8 33 | 0 36 | 24 32 | 5 52 | 25 2 | 1 50 | 14 34 | 0 50 | 21 12 | 0 15 | 17 49 | 0 13 | 10 3 | 1 48 | 23 14 | 14 9 | 9 46 | 10 19 | 16 12 | 17 36 | 5 43 |
| T 20 | 12 7 | 14 3 | 5 0 | 7 54 | 0 55 | 24 24 | 5 47 | 24 58 | 1 49 | 14 38 | 0 50 | 21 12 | 0 15 | 17 50 | 0 13 | 10 3 | 1 48 | 23 13 | 14 9 | 9 49 | 10 20 | 16 11 | 17 37 | 5 43 |
| W21 | 12 28 | 16 36 | 5 5 | 7 20 | 1 11 | 24 15 | 5 41 | 24 53 | 1 48 | 14 42 | 0 50 | 21 11 | 0 15 | 17 51 | 0 13 | 10 4 | 1 48 | 23 13 | 14 10 | 9 53 | 10 21 | 16 10 | 17 37 | 5 42 |
| T 22 | 12 49 | 18 17 | 4 54 | 6 52 | 1 27 | 24 4 | 5 35 | 24 49 | 1 48 | 14 46 | 0 50 | 21 11 | 0 16 | 17 52 | 0 13 | 10 5 | 1 48 | 23 13 | 14 10 | 9 57 | 10 22 | 16 9 | 17 37 | 5 42 |
| F 23 | 13 9 | 19 3 | 4 30 | 6 30 | 1 40 | 23 53 | 5 28 | 24 44 | 1 47 | 14 50 | 0 50 | 21 11 | 0 16 | 17 52 | 0 13 | 10 6 | 1 48 | 23 13 | 14 10 | 9 59 | 10 24 | 16 8 | 17 37 | 5 42 |
| S 24 | 13 30 | 18 55 | 3 54 | 6 14 | 1 51 | 23 40 | 5 21 | 24 39 | 1 46 | 14 54 | 0 50 | 21 11 | 0 16 | 17 53 | 0 13 | 10 6 | 1 48 | 23 13 | 14 11 | 10 1 | 10 25 | 16 7 | 17 37 | 5 41 |
| S 25 | 13 50 | 17 56 | 3 9 | 6 4 | 2 1 | 23 25 | 5 13 | 24 33 | 1 46 | 14 59 | 0 50 | 21 11 | 0 16 | 17 54 | 0 13 | 10 7 | 1 48 | 23 13 | 14 11 | 10 2 | 10 26 | 16 6 | 17 37 | 5 41 |
| M26 | 14 9 | 16 11 | 2 15 | 5 59 | 2 8 | 23 10 | 5 4 | 24 28 | 1 45 | 15 3 | 0 50 | 21 11 | 0 16 | 17 55 | 0 13 | 10 8 | 1 48 | 23 13 | 14 12 | 10 2 | 10 27 | 16 5 | 17 37 | 5 41 |
| T 27 | 14 29 | 13 45 | 1 16 | 6 1 | 2 14 | 22 53 | 4 54 | 24 22 | 1 44 | 15 7 | 0 50 | 21 11 | 0 16 | 17 56 | 0 13 | 10 9 | 1 48 | 23 13 | 14 12 | 10 2 | 10 28 | 16 4 | 17 37 | 5 40 |
| W28 | 14 49 | 10 43 | 0 13 | 6 7 | 2 19 | 22 35 | 4 44 | 24 15 | 1 43 | 15 11 | 0 50 | 21 11 | 0 16 | 17 57 | 0 13 | 10 10 | 1 48 | 23 13 | 14 13 | 10 2 | 10 29 | 16 4 | 17 38 | 5 40 |
| T 29 | 15 8 | 7 12 | 0s51 | 6 18 | 2 22 | 22 16 | 4 33 | 24 9 | 1 43 | 15 15 | 0 49 | 21 11 | 0 16 | 17 58 | 0 13 | 10 10 | 1 48 | 23 13 | 14 13 | 10 2 | 10 30 | 16 3 | 17 38 | 5 40 |
| F 30 | 15 27 | 3 19 | 1 54 | 6 33 | 2 23 | 21 56 | 4 21 | 24 2 | 1 42 | 15 19 | 0 49 | 21 11 | 0 17 | 17 59 | 0 13 | 10 11 | 1 48 | 23 13 | 14 14 | 10 3 | 10 32 | 16 2 | 17 38 | 5 39 |
| S 31 | 15s45 | 0n49 | 2s53 | 6s51 | 2n23 | 21s35 | 4s 9 | 23s55 | 1s41 | 15s23 | 0n49 | 21n11 | 0n17 | 18s 0 | 0n13 | 10s12 | 1n48 | 23n13 | 14n14 | 10n 5 | 10n33 | 16s 1 | 17s38 | 5n39 |

Julian Day Number = 2077084.5, Delta T = 26m33s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'05, Lahiri = 9°34'05 Julian Calendar 1 Oct. 974 == Greg. Calendar 6 Oct. 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## NOVEMBER 974 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 0 14 | 13♏46'25 | 21♈37 | 24♎11 | 18°R31 | 19♑29 | 14♏22 | 26♋48 | 21♏28 | 1♏ 3 | 4♍11 | 3°R56 | 2♍43 | 9♒36 | 8♑59 | S 1 |
| M 2 | 3 4 11 | 14°47'06 | 4♉55 | 25°13 | 17♏55 | 20°14 | 14°35 | 26°48 | 21°31 | 1° 5 | 4°12 | 3♍46 | 2°39 | 9°43 | 9° 2 | M 2 |
| T 3 | 3 8 8 | 15°47'48 | 18°32 | 26°19 | 17°19 | 20°59 | 14°48 | 26°R48 | 21°35 | 1° 8 | 4°13 | 3°34 | 2°36 | 9°49 | 9° 6 | T 3 |
| W 4 | 3 12 4 | 16°48'32 | 2♊27 | 27°30 | 16°42 | 21°44 | 15° 2 | 26°48 | 21°39 | 1°10 | 4°14 | 3°22 | 2°33 | 9°56 | 9°10 | W 4 |
| T 5 | 3 16 1 | 17°49'17 | 16°34 | 28°43 | 16° 6 | 22°29 | 15°15 | 26°48 | 21°42 | 1°12 | 4°15 | 3°11 | 2°30 | 10° 3 | 9°14 | T 5 |
| F 6 | 3 19 57 | 18°50'04 | 0♋48 | 0♏ 0 | 15°29 | 23°15 | 15°29 | 26°48 | 21°46 | 1°14 | 4°16 | 3° 1 | 2°27 | 10° 9 | 9°18 | F 6 |
| S 7 | 3 23 54 | 19°50'52 | 15° 4 | 1°20 | 14°54 | 24° 0 | 15°42 | 26°47 | 21°50 | 1°16 | 4°17 | 2°54 | 2°23 | 10°16 | 9°22 | S 7 |
| S 8 | 3 27 50 | 20°51'42 | 29°18 | 2°41 | 14°19 | 24°45 | 15°55 | 26°47 | 21°53 | 1°19 | 4°17 | 2°51 | 2°20 | 10°23 | 9°26 | S 8 |
| M 9 | 3 31 47 | 21°52'33 | 13♌28 | 4° 4 | 13°45 | 25°30 | 16° 9 | 26°46 | 21°57 | 1°21 | 4°18 | 2°49 | 2°17 | 10°29 | 9°30 | M 9 |
| T 10 | 3 35 43 | 22°53'26 | 27°33 | 5°29 | 13°12 | 26°16 | 16°22 | 26°45 | 22° 1 | 1°23 | 4°19 | 2°49 | 2°14 | 10°36 | 9°34 | T 10 |
| W11 | 3 39 40 | 23°54'20 | 11♍30 | 6°55 | 12°41 | 27° 1 | 16°35 | 26°45 | 22° 4 | 1°25 | 4°20 | 2°49 | 2°11 | 10°43 | 9°38 | W11 |
| T 12 | 3 43 37 | 24°55'15 | 25°22 | 8°22 | 12°11 | 27°47 | 16°49 | 26°44 | 22° 8 | 1°27 | 4°20 | 2°47 | 2° 8 | 10°49 | 9°42 | T 12 |
| F 13 | 3 47 33 | 25°56'12 | 9♎ 6 | 9°50 | 11°43 | 28°32 | 17° 2 | 26°42 | 22°12 | 1°29 | 4°21 | 2°43 | 2° 4 | 10°56 | 9°47 | F 13 |
| S 14 | 3 51 30 | 26°57'11 | 22°42 | 11°18 | 11°17 | 29°17 | 17°15 | 26°41 | 22°16 | 1°31 | 4°21 | 2°36 | 2° 1 | 11° 3 | 9°51 | S 14 |
| S 15 | 3 55 26 | 27°58'10 | 6♏ 9 | 12°48 | 10°54 | 0♒ 3 | 17°29 | 26°40 | 22°19 | 1°33 | 4°22 | 2°26 | 1°58 | 11° 9 | 9°55 | S 15 |
| M16 | 3 59 23 | 28°59'11 | 19°25 | 14°18 | 10°32 | 0°48 | 17°42 | 26°39 | 22°23 | 1°35 | 4°23 | 2°14 | 1°55 | 11°16 | 10° 0 | M16 |
| T 17 | 4 3 19 | 0♐ 0'12 | 2♐27 | 15°48 | 10°13 | 1°34 | 17°55 | 26°37 | 22°27 | 1°37 | 4°23 | 2° 0 | 1°52 | 11°23 | 10° 4 | T 17 |
| W18 | 4 7 16 | 1° 1'15 | 15°14 | 17°19 | 9°56 | 2°19 | 18° 9 | 26°35 | 22°30 | 1°39 | 4°24 | 1°46 | 1°49 | 11°29 | 10° 9 | W18 |
| T 19 | 4 11 12 | 2° 2'18 | 27°46 | 18°50 | 9°41 | 3° 5 | 18°22 | 26°34 | 22°34 | 1°41 | 4°24 | 1°33 | 1°45 | 11°36 | 10°13 | T 19 |
| F 20 | 4 15 9 | 3° 3'23 | 10♑ 4 | 20°22 | 9°29 | 3°51 | 18°35 | 26°32 | 22°38 | 1°43 | 4°24 | 1°22 | 1°42 | 11°43 | 10°18 | F 20 |
| S 21 | 4 19 6 | 4° 4'28 | 22° 8 | 21°53 | 9°19 | 4°36 | 18°48 | 26°30 | 22°41 | 1°45 | 4°25 | 1°14 | 1°39 | 11°49 | 10°22 | S 21 |
| S 22 | 4 23 2 | 5° 5'33 | 4♒ 2 | 23°25 | 9°12 | 5°22 | 19° 1 | 26°28 | 22°45 | 1°47 | 4°25 | 1° 9 | 1°36 | 11°56 | 10°27 | S 22 |
| M23 | 4 26 59 | 6° 6'39 | 15°50 | 24°57 | 9° 7 | 6° 7 | 19°14 | 26°26 | 22°49 | 1°49 | 4°25 | 1° 7 | 1°33 | 12° 3 | 10°32 | M23 |
| T 24 | 4 30 55 | 7° 7'46 | 27°37 | 26°29 | 9°D 5 | 6°53 | 19°28 | 26°23 | 22°52 | 1°51 | 4°26 | 1° 6 | 1°29 | 12° 9 | 10°36 | T 24 |
| W25 | 4 34 52 | 8° 8'52 | 9♓29 | 28° 2 | 9° 5 | 7°39 | 19°41 | 26°21 | 22°56 | 1°53 | 4°26 | 1° 6 | 1°26 | 12°16 | 10°41 | W25 |
| T 26 | 4 38 48 | 9°10'00 | 21°30 | 29°34 | 9° 8 | 8°24 | 19°54 | 26°19 | 22°59 | 1°55 | 4°26 | 1° 6 | 1°23 | 12°22 | 10°46 | T 26 |
| F 27 | 4 42 45 | 10°11'07 | 3♈47 | 1♐ 7 | 9°13 | 9°10 | 20° 7 | 26°16 | 23° 3 | 1°57 | 4°26 | 1° 3 | 1°20 | 12°29 | 10°51 | F 27 |
| S 28 | 4 46 41 | 11°12'15 | 16°24 | 2°40 | 9°20 | 9°56 | 20°20 | 26°13 | 23° 6 | 1°59 | 4°26 | 0°59 | 1°17 | 12°36 | 10°55 | S 28 |
| S 29 | 4 50 38 | 12°13'23 | 29°26 | 4°13 | 9°30 | 10°41 | 20°33 | 26°11 | 23°10 | 2° 1 | 4°27 | 0°52 | 1°14 | 12°42 | 11° 0 | S 29 |
| M30 | 4 54 35 | 13♐14'32 | 12♉54 | 5♐46 | 9♏41 | 11♒27 | 20♏46 | 26♋ 8 | 23♏14 | 2♏ 2 | 4♍27 | 0♍42 | 1♍10 | 12♒49 | 11♑ 5 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s 4 | 5n 0 | 3s44 | 7s13 | 2n23 | 21s12 | 3s56 | 23s48 | 1s40 | 15s27 | 0n49 | 21n11 | 0n17 | 18s 1 | 0n13 | 10s13 | 1n48 | 23n13 | 14n15 | 10n 7 | 10n34 | 16s 0 | 17s38 | 5n39 |
| M 2 | 16 22 | 9 4 | 4 25 | 7 37 | 2 21 | 20 49 | 3 43 | 23 41 | 1 40 | 15 31 | 0 49 | 21 11 | 0 17 | 18 2 | 0 13 | 10 13 | 1 48 | 23 13 | 14 15 | 10 11 | 10 35 | 15 59 | 17 38 | 5 38 |
| T 3 | 16 39 | 12 46 | 4 51 | 8 4 | 2 19 | 20 26 | 3 29 | 23 33 | 1 39 | 15 35 | 0 49 | 21 11 | 0 17 | 18 3 | 0 13 | 10 14 | 1 48 | 23 13 | 14 15 | 10 15 | 10 36 | 15 58 | 17 38 | 5 38 |
| W 4 | 16 57 | 15 50 | 5 1 | 8 32 | 2 15 | 20 2 | 3 15 | 23 25 | 1 38 | 15 39 | 0 49 | 21 12 | 0 17 | 18 4 | 0 13 | 10 15 | 1 48 | 23 13 | 14 16 | 10 20 | 10 37 | 15 57 | 17 38 | 5 38 |
| T 5 | 17 14 | 18 1 | 4 53 | 9 2 | 2 11 | 19 37 | 3 0 | 23 17 | 1 37 | 15 43 | 0 49 | 21 12 | 0 17 | 18 5 | 0 13 | 10 16 | 1 48 | 23 14 | 14 16 | 10 24 | 10 38 | 15 56 | 17 38 | 5 38 |
| F 6 | 17 31 | 19 7 | 4 27 | 9 33 | 2 7 | 19 12 | 2 45 | 23 8 | 1 37 | 15 47 | 0 49 | 21 12 | 0 17 | 18 6 | 0 13 | 10 16 | 1 48 | 23 14 | 14 17 | 10 27 | 10 40 | 15 55 | 17 38 | 5 37 |
| S 7 | 17 48 | 19 0 | 3 44 | 10 5 | 2 2 | 18 47 | 2 30 | 23 0 | 1 36 | 15 51 | 0 49 | 21 12 | 0 18 | 18 7 | 0 13 | 10 17 | 1 49 | 23 14 | 14 17 | 10 30 | 10 41 | 15 54 | 17 38 | 5 37 |
| S 8 | 18 4 | 17 41 | 2 48 | 10 39 | 1 57 | 18 21 | 2 14 | 22 51 | 1 35 | 15 55 | 0 49 | 21 12 | 0 18 | 18 8 | 0 13 | 10 18 | 1 49 | 23 14 | 14 18 | 10 31 | 10 42 | 15 53 | 17 38 | 5 37 |
| M 9 | 18 20 | 15 16 | 1 41 | 11 12 | 1 51 | 17 56 | 1 59 | 22 42 | 1 34 | 15 59 | 0 49 | 21 13 | 0 18 | 18 9 | 0 13 | 10 19 | 1 49 | 23 14 | 14 18 | 10 31 | 10 43 | 15 52 | 17 38 | 5 36 |
| T 10 | 18 36 | 11 57 | 0 28 | 11 46 | 1 45 | 17 32 | 1 43 | 22 32 | 1 33 | 16 3 | 0 49 | 21 13 | 0 18 | 18 10 | 0 13 | 10 19 | 1 49 | 23 14 | 14 19 | 10 32 | 10 44 | 15 51 | 17 38 | 5 36 |
| W11 | 18 51 | 8 0 | 0n46 | 12 20 | 1 39 | 17 7 | 1 28 | 22 23 | 1 33 | 16 7 | 0 49 | 21 13 | 0 18 | 18 11 | 0 13 | 10 20 | 1 49 | 23 15 | 14 19 | 10 32 | 10 45 | 15 50 | 17 38 | 5 36 |
| T 12 | 19 6 | 3 38 | 1 56 | 12 55 | 1 32 | 16 43 | 1 12 | 22 13 | 1 32 | 16 10 | 0 49 | 21 13 | 0 18 | 18 12 | 0 13 | 10 21 | 1 49 | 23 15 | 14 20 | 10 32 | 10 46 | 15 49 | 17 38 | 5 36 |
| F 13 | 19 21 | 0s53 | 2 59 | 13 29 | 1 26 | 16 20 | 0 57 | 22 3 | 1 31 | 16 14 | 0 49 | 21 14 | 0 18 | 18 13 | 0 13 | 10 21 | 1 49 | 23 15 | 14 20 | 10 34 | 10 48 | 15 48 | 17 38 | 5 35 |
| S 14 | 19 35 | 5 18 | 3 51 | 14 3 | 1 19 | 15 57 | 0 41 | 21 53 | 1 30 | 16 18 | 0 49 | 21 14 | 0 19 | 18 14 | 0 13 | 10 22 | 1 49 | 23 15 | 14 21 | 10 36 | 10 49 | 15 47 | 17 38 | 5 35 |
| S 15 | 19 49 | 9 24 | 4 30 | 14 37 | 1 12 | 15 36 | 0 26 | 21 42 | 1 29 | 16 22 | 0 48 | 21 15 | 0 19 | 18 15 | 0 13 | 10 23 | 1 49 | 23 15 | 14 21 | 10 40 | 10 50 | 15 46 | 17 38 | 5 35 |
| M16 | 20 2 | 12 59 | 4 53 | 15 11 | 1 5 | 15 15 | 0 12 | 21 31 | 1 28 | 16 26 | 0 48 | 21 15 | 0 19 | 18 16 | 0 13 | 10 23 | 1 49 | 23 16 | 14 22 | 10 44 | 10 51 | 15 45 | 17 38 | 5 35 |
| T 17 | 20 16 | 15 52 | 5 0 | 15 44 | 0 58 | 14 55 | 0n 3 | 21 21 | 1 28 | 16 29 | 0 48 | 21 15 | 0 19 | 18 17 | 0 13 | 10 24 | 1 49 | 23 16 | 14 22 | 10 49 | 10 52 | 15 44 | 17 37 | 5 35 |
| W18 | 20 28 | 17 55 | 4 52 | 16 17 | 0 51 | 14 36 | 0 17 | 21 9 | 1 27 | 16 33 | 0 48 | 21 16 | 0 19 | 18 18 | 0 13 | 10 25 | 1 49 | 23 16 | 14 23 | 10 54 | 10 53 | 15 43 | 17 37 | 5 34 |
| T 19 | 20 41 | 19 3 | 4 30 | 16 49 | 0 44 | 14 19 | 0 31 | 20 58 | 1 26 | 16 37 | 0 48 | 21 16 | 0 19 | 18 19 | 0 13 | 10 26 | 1 49 | 23 17 | 14 23 | 10 59 | 10 54 | 15 41 | 17 37 | 5 34 |
| F 20 | 20 53 | 19 17 | 3 55 | 17 21 | 0 36 | 14 2 | 0 44 | 20 46 | 1 25 | 16 41 | 0 48 | 21 17 | 0 19 | 18 19 | 0 13 | 10 26 | 1 49 | 23 17 | 14 24 | 11 3 | 10 56 | 15 40 | 17 37 | 5 34 |
| S 21 | 21 5 | 18 36 | 3 11 | 17 52 | 0 29 | 13 47 | 0 57 | 20 35 | 1 24 | 16 44 | 0 48 | 21 17 | 0 19 | 18 20 | 0 13 | 10 27 | 1 49 | 23 17 | 14 25 | 11 6 | 10 57 | 15 39 | 17 37 | 5 34 |
| S 22 | 21 16 | 17 7 | 2 18 | 18 22 | 0 22 | 13 33 | 1 9 | 20 23 | 1 23 | 16 48 | 0 48 | 21 18 | 0 20 | 18 21 | 0 13 | 10 27 | 1 49 | 23 18 | 14 25 | 11 7 | 10 58 | 15 38 | 17 37 | 5 34 |
| M23 | 21 27 | 14 54 | 1 20 | 18 52 | 0 15 | 13 20 | 1 21 | 20 10 | 1 22 | 16 52 | 0 48 | 21 18 | 0 20 | 18 22 | 0 13 | 10 28 | 1 49 | 23 18 | 14 26 | 11 8 | 10 59 | 15 37 | 17 37 | 5 33 |
| T 24 | 21 37 | 12 5 | 0 18 | 19 21 | 0 8 | 13 8 | 1 33 | 19 58 | 1 22 | 16 55 | 0 48 | 21 19 | 0 20 | 18 23 | 0 13 | 10 29 | 1 49 | 23 18 | 14 26 | 11 9 | 11 0 | 15 36 | 17 36 | 5 33 |
| W25 | 21 47 | 8 45 | 0s44 | 19 49 | 0 1 | 12 58 | 1 44 | 19 46 | 1 21 | 16 59 | 0 48 | 21 19 | 0 20 | 18 24 | 0 13 | 10 29 | 1 49 | 23 19 | 14 27 | 11 9 | 11 1 | 15 35 | 17 36 | 5 33 |
| T 26 | 21 57 | 5 1 | 1 46 | 20 16 | 0s 6 | 12 48 | 1 54 | 19 33 | 1 20 | 17 2 | 0 48 | 21 20 | 0 20 | 18 25 | 0 13 | 10 30 | 1 49 | 23 19 | 14 27 | 11 9 | 11 2 | 15 34 | 17 36 | 5 33 |
| F 27 | 22 6 | 1 0 | 2 44 | 20 42 | 0 13 | 12 40 | 2 5 | 19 20 | 1 19 | 17 6 | 0 48 | 21 21 | 0 20 | 18 26 | 0 13 | 10 31 | 1 49 | 23 19 | 14 28 | 11 9 | 11 4 | 15 33 | 17 36 | 5 33 |
| S 28 | 22 15 | 3n10 | 3 36 | 21 7 | 0 19 | 12 34 | 2 14 | 19 7 | 1 18 | 17 9 | 0 48 | 21 21 | 0 20 | 18 27 | 0 13 | 10 31 | 1 49 | 23 20 | 14 28 | 11 11 | 11 5 | 15 32 | 17 36 | 5 33 |
| S 29 | 22 23 | 7 19 | 4 18 | 21 32 | 0 26 | 12 28 | 2 23 | 18 53 | 1 17 | 17 13 | 0 48 | 21 22 | 0 21 | 18 28 | 0 13 | 10 32 | 1 49 | 23 20 | 14 29 | 11 14 | 11 6 | 15 31 | 17 35 | 5 32 |
| M30 | 22s31 | 11n14 | 4s47 | 21s55 | 0s32 | 12s23 | 2n32 | 18s40 | 1s16 | 17s16 | 0n48 | 21n23 | 0n21 | 18s29 | 0n13 | 10s32 | 1n49 | 23n21 | 14n29 | 11n17 | 11n 7 | 15s30 | 17s35 | 5n32 |

Julian Day Number = 2077115.5, Delta T = 26m32s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'09, Lahiri = 9°34'10 Julian Calendar 1 Nov. 974 == Greg. Calendar 6 Nov. 974


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# ASTRODIENST EPHEMERIS for the year 974
# geocentric

## DECEMBER 974 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 58 31 | 14♐15'40 | 26♉47 | 7♐20 | 9♏55 | 12♒13 | 20♏58 | 26°R 5 | 23♏17 | 2♏ 4 | 4♍27 | 0°R31 | 1♍ 7 | 12♒56 | 11♑10 | T 1 |
| W 2 | 5 2 28 | 15°16'50 | 11♊ 3 | 8°53 | 10°11 | 12°58 | 21°11 | 26♋ 2 | 23°21 | 2° 6 | 4°R27 | 0♍19 | 1° 4 | 13° 2 | 11°15 | W 2 |
| T 3 | 5 6 24 | 16°17'59 | 25°35 | 10°27 | 10°30 | 13°44 | 21°24 | 25°59 | 23°24 | 2° 8 | 4°27 | 0° 7 | 1° 1 | 13° 9 | 11°20 | T 3 |
| F 4 | 5 10 21 | 17°19'09 | 10♋17 | 12° 1 | 10°50 | 14°30 | 21°37 | 25°55 | 23°28 | 2°10 | 4°27 | 29♌58 | 0°58 | 13°16 | 11°25 | F 4 |
| S 5 | 5 14 17 | 18°20'20 | 25° 1 | 13°35 | 11°12 | 15°15 | 21°50 | 25°52 | 23°31 | 2°11 | 4°27 | 29°51 | 0°54 | 13°22 | 11°30 | S 5 |
| S 6 | 5 18 14 | 19°21'31 | 9♌39 | 15°10 | 11°36 | 16° 1 | 22° 2 | 25°49 | 23°34 | 2°13 | 4°26 | 29°47 | 0°51 | 13°29 | 11°35 | S 6 |
| M 7 | 5 22 11 | 20°22'42 | 24° 6 | 16°45 | 12° 2 | 16°46 | 22°15 | 25°45 | 23°38 | 2°15 | 4°26 | 29°D45 | 0°48 | 13°36 | 11°40 | M 7 |
| T 8 | 5 26 7 | 21°23'54 | 8♍19 | 18°20 | 12°29 | 17°32 | 22°27 | 25°42 | 23°41 | 2°16 | 4°26 | 29°45 | 0°45 | 13°42 | 11°45 | T 8 |
| W 9 | 5 30 4 | 22°25'06 | 22°17 | 19°55 | 12°58 | 18°18 | 22°40 | 25°38 | 23°45 | 2°18 | 4°26 | 29°R46 | 0°42 | 13°49 | 11°50 | W 9 |
| T 10 | 5 34 0 | 23°26'18 | 6♎ 1 | 21°30 | 13°29 | 19° 3 | 22°53 | 25°34 | 23°48 | 2°19 | 4°26 | 29°45 | 0°39 | 13°56 | 11°55 | T 10 |
| F 11 | 5 37 57 | 24°27'31 | 19°30 | 23° 6 | 14° 2 | 19°49 | 23° 5 | 25°31 | 23°51 | 2°21 | 4°25 | 29°42 | 0°35 | 14° 2 | 12° 1 | F 11 |
| S 12 | 5 41 53 | 25°28'45 | 2♏47 | 24°43 | 14°35 | 20°35 | 23°17 | 25°27 | 23°55 | 2°23 | 4°25 | 29°37 | 0°32 | 14° 9 | 12° 6 | S 12 |
| S 13 | 5 45 50 | 26°29'58 | 15°51 | 26°19 | 15°11 | 21°20 | 23°30 | 25°23 | 23°58 | 2°24 | 4°25 | 29°29 | 0°29 | 14°16 | 12°11 | S 13 |
| M14 | 5 49 46 | 27°31'12 | 28°44 | 27°56 | 15°47 | 22° 6 | 23°42 | 25°19 | 24° 1 | 2°26 | 4°24 | 29°18 | 0°26 | 14°22 | 12°16 | M14 |
| T 15 | 5 53 43 | 28°32'26 | 11♐25 | 29°33 | 16°25 | 22°51 | 23°54 | 25°15 | 24° 4 | 2°27 | 4°24 | 29° 7 | 0°23 | 14°29 | 12°21 | T 15 |
| W16 | 5 57 40 | 29°33'40 | 23°55 | 1♑11 | 17° 4 | 23°37 | 24° 6 | 25°11 | 24° 8 | 2°28 | 4°23 | 28°55 | 0°20 | 14°36 | 12°27 | W16 |
| T 17 | 6 1 36 | 0♑34'53 | 6♑13 | 2°49 | 17°45 | 24°23 | 24°18 | 25° 6 | 24°11 | 2°30 | 4°23 | 28°44 | 0°16 | 14°42 | 12°32 | T 17 |
| F 18 | 6 5 33 | 1°36'07 | 18°21 | 4°27 | 18°26 | 25° 8 | 24°30 | 25° 2 | 24°14 | 2°31 | 4°22 | 28°35 | 0°13 | 14°49 | 12°37 | F 18 |
| S 19 | 6 9 29 | 2°37'20 | 0♒19 | 6° 6 | 19° 9 | 25°54 | 24°42 | 24°58 | 24°17 | 2°33 | 4°22 | 28°28 | 0°10 | 14°55 | 12°42 | S 19 |
| S 20 | 6 13 26 | 3°38'33 | 12°10 | 7°45 | 19°53 | 26°39 | 24°54 | 24°53 | 24°20 | 2°34 | 4°21 | 28°24 | 0° 7 | 15° 2 | 12°48 | S 20 |
| M21 | 6 17 22 | 4°39'45 | 23°57 | 9°25 | 20°38 | 27°25 | 25° 6 | 24°49 | 24°23 | 2°35 | 4°21 | 28°D22 | 0° 4 | 15° 9 | 12°53 | M21 |
| T 22 | 6 21 19 | 5°40'56 | 5♓43 | 11° 5 | 21°24 | 28°10 | 25°18 | 24°44 | 24°26 | 2°36 | 4°20 | 28°22 | 0° 0 | 15°15 | 12°58 | T 22 |
| W23 | 6 25 15 | 6°42'07 | 17°33 | 12°45 | 22°10 | 28°56 | 25°30 | 24°40 | 24°29 | 2°38 | 4°19 | 28°24 | 29♌57 | 15°22 | 13° 4 | W23 |
| T 24 | 6 29 12 | 7°43'17 | 29°32 | 14°26 | 22°58 | 29°41 | 25°41 | 24°35 | 24°32 | 2°39 | 4°19 | 28°25 | 29°54 | 15°29 | 13° 9 | T 24 |
| F 25 | 6 33 9 | 8°44'27 | 11♈46 | 16° 7 | 23°46 | 0♓27 | 25°53 | 24°31 | 24°35 | 2°40 | 4°18 | 28°R25 | 29°51 | 15°35 | 13°14 | F 25 |
| S 26 | 6 37 5 | 9°45'36 | 24°19 | 17°48 | 24°36 | 1°12 | 26° 4 | 24°26 | 24°38 | 2°41 | 4°17 | 28°24 | 29°48 | 15°42 | 13°19 | S 26 |
| S 27 | 6 41 2 | 10°46'43 | 7♉17 | 19°30 | 25°26 | 1°57 | 26°16 | 24°21 | 24°41 | 2°42 | 4°17 | 28°20 | 29°45 | 15°49 | 13°25 | S 27 |
| M28 | 6 44 58 | 11°47'50 | 20°42 | 21°12 | 26°17 | 2°43 | 26°27 | 24°17 | 24°44 | 2°43 | 4°16 | 28°15 | 29°41 | 15°55 | 13°30 | M28 |
| T 29 | 6 48 55 | 12°48'57 | 4♊36 | 22°54 | 27° 9 | 3°28 | 26°38 | 24°12 | 24°46 | 2°44 | 4°15 | 28° 9 | 29°38 | 16° 2 | 13°35 | T 29 |
| W30 | 6 52 51 | 13°50'02 | 18°58 | 24°35 | 28° 1 | 4°13 | 26°49 | 24° 7 | 24°49 | 2°45 | 4°14 | 28° 1 | 29°35 | 16° 9 | 13°41 | W30 |
| T 31 | 6 56 48 | 14♑51'07 | 3♋42 | 26♑17 | 28♏54 | 4♓59 | 27♏ 0 | 24♋ 2 | 24♏52 | 2♏46 | 4♍13 | 27♌54 | 29♌32 | 16♒15 | 13♑46 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s38 | 14n40 | 5s 1 | 22s17 | 0s39 | 12s20 | 2n40 | 18s26 | 1s16 | 17s20 | 0n48 | 21n23 | 0n21 | 18s30 | 0n13 | 10s33 | 1n49 | 23n21 | 14n30 | 11n21 | 11n 8 | 15s29 | 17s35 | 5n32 |
| W 2 | 22 45 | 17 20 | 4 56 | 22 39 | 0 45 | 12 18 | 2 48 | 18 12 | 1 15 | 17 23 | 0 48 | 21 24 | 0 21 | 18 30 | 0 13 | 10 34 | 1 49 | 23 22 | 14 30 | 11 25 | 11 9 | 15 28 | 17 35 | 5 32 |
| T 3 | 22 52 | 18 57 | 4 33 | 22 59 | 0 51 | 12 16 | 2 56 | 17 58 | 1 14 | 17 26 | 0 48 | 21 25 | 0 21 | 18 31 | 0 13 | 10 34 | 1 49 | 23 22 | 14 31 | 11 29 | 11 10 | 15 27 | 17 34 | 5 32 |
| F 4 | 22 58 | 19 20 | 3 51 | 23 18 | 0 57 | 12 16 | 3 3 | 17 44 | 1 13 | 17 30 | 0 48 | 21 26 | 0 21 | 18 32 | 0 13 | 10 35 | 1 49 | 23 23 | 14 31 | 11 33 | 11 12 | 15 26 | 17 34 | 5 32 |
| S 5 | 23 3 | 18 24 | 2 53 | 23 35 | 1 3 | 12 16 | 3 9 | 17 30 | 1 12 | 17 33 | 0 48 | 21 26 | 0 21 | 18 33 | 0 13 | 10 35 | 1 49 | 23 23 | 14 32 | 11 35 | 11 13 | 15 25 | 17 34 | 5 32 |
| S 6 | 23 8 | 16 15 | 1 45 | 23 52 | 1 8 | 12 18 | 3 15 | 17 15 | 1 11 | 17 36 | 0 48 | 21 27 | 0 21 | 18 34 | 0 13 | 10 36 | 1 49 | 23 24 | 14 32 | 11 37 | 11 14 | 15 23 | 17 33 | 5 31 |
| M 7 | 23 13 | 13 5 | 0 30 | 24 8 | 1 14 | 12 20 | 3 21 | 17 1 | 1 10 | 17 40 | 0 48 | 21 28 | 0 22 | 18 35 | 0 13 | 10 36 | 1 50 | 23 24 | 14 33 | 11 37 | 11 15 | 15 22 | 17 33 | 5 31 |
| T 8 | 23 17 | 9 12 | 0n45 | 24 22 | 1 19 | 12 24 | 3 26 | 16 46 | 1 9 | 17 43 | 0 48 | 21 29 | 0 22 | 18 36 | 0 13 | 10 37 | 1 50 | 23 25 | 14 33 | 11 37 | 11 16 | 15 21 | 17 33 | 5 31 |
| W 9 | 23 21 | 4 52 | 1 57 | 24 35 | 1 24 | 12 28 | 3 31 | 16 31 | 1 9 | 17 46 | 0 48 | 21 29 | 0 22 | 18 37 | 0 13 | 10 37 | 1 50 | 23 25 | 14 34 | 11 37 | 11 17 | 15 20 | 17 32 | 5 31 |
| T 10 | 23 24 | 0 21 | 3 0 | 24 46 | 1 29 | 12 32 | 3 36 | 16 16 | 1 8 | 17 49 | 0 48 | 21 30 | 0 22 | 18 37 | 0 13 | 10 38 | 1 50 | 23 26 | 14 34 | 11 37 | 11 18 | 15 19 | 17 32 | 5 31 |
| F 11 | 23 27 | 4s 5 | 3 53 | 24 56 | 1 33 | 12 38 | 3 40 | 16 0 | 1 7 | 17 52 | 0 48 | 21 31 | 0 22 | 18 38 | 0 13 | 10 38 | 1 50 | 23 26 | 14 35 | 11 38 | 11 19 | 15 18 | 17 32 | 5 31 |
| S 12 | 23 30 | 8 15 | 4 31 | 25 5 | 1 37 | 12 44 | 3 44 | 15 45 | 1 6 | 17 56 | 0 48 | 21 32 | 0 22 | 18 39 | 0 13 | 10 39 | 1 50 | 23 27 | 14 35 | 11 40 | 11 21 | 15 17 | 17 31 | 5 31 |
| S 13 | 23 31 | 11 58 | 4 55 | 25 13 | 1 42 | 12 51 | 3 48 | 15 30 | 1 5 | 17 59 | 0 48 | 21 33 | 0 22 | 18 40 | 0 13 | 10 39 | 1 50 | 23 28 | 14 36 | 11 43 | 11 22 | 15 16 | 17 31 | 5 31 |
| M14 | 23 33 | 15 3 | 5 4 | 25 18 | 1 45 | 12 58 | 3 51 | 15 14 | 1 4 | 18 2 | 0 48 | 21 34 | 0 23 | 18 41 | 0 13 | 10 40 | 1 50 | 23 28 | 14 36 | 11 47 | 11 23 | 15 15 | 17 31 | 5 31 |
| T 15 | 23 34 | 17 22 | 4 57 | 25 23 | 1 49 | 13 6 | 3 54 | 14 58 | 1 3 | 18 5 | 0 48 | 21 34 | 0 23 | 18 41 | 0 12 | 10 40 | 1 50 | 23 29 | 14 37 | 11 51 | 11 24 | 15 13 | 17 30 | 5 31 |
| W16 | 23 34 | 18 50 | 4 36 | 25 26 | 1 52 | 13 15 | 3 56 | 14 42 | 1 2 | 18 8 | 0 48 | 21 35 | 0 23 | 18 42 | 0 12 | 10 41 | 1 50 | 23 29 | 14 37 | 11 55 | 11 25 | 15 12 | 17 30 | 5 31 |
| T 17 | 23 34 | 19 24 | 4 2 | 25 27 | 1 55 | 13 24 | 3 59 | 14 26 | 1 1 | 18 11 | 0 48 | 21 36 | 0 23 | 18 43 | 0 12 | 10 41 | 1 50 | 23 30 | 14 38 | 11 59 | 11 26 | 15 11 | 17 29 | 5 31 |
| F 18 | 23 34 | 19 3 | 3 18 | 25 27 | 1 58 | 13 33 | 4 1 | 14 10 | 1 1 | 18 14 | 0 48 | 21 37 | 0 23 | 18 44 | 0 12 | 10 41 | 1 50 | 23 31 | 14 38 | 12 2 | 11 27 | 15 10 | 17 29 | 5 31 |
| S 19 | 23 33 | 17 50 | 2 25 | 25 25 | 2 0 | 13 43 | 4 3 | 13 54 | 1 0 | 18 17 | 0 48 | 21 38 | 0 23 | 18 45 | 0 12 | 10 42 | 1 50 | 23 31 | 14 39 | 12 4 | 11 28 | 15 9 | 17 28 | 5 31 |
| S 20 | 23 31 | 15 52 | 1 26 | 25 22 | 2 2 | 13 53 | 4 4 | 13 37 | 0 59 | 18 19 | 0 48 | 21 39 | 0 23 | 18 45 | 0 12 | 10 42 | 1 50 | 23 32 | 14 39 | 12 6 | 11 30 | 15 8 | 17 28 | 5 31 |
| M21 | 23 29 | 13 14 | 0 24 | 25 17 | 2 3 | 14 4 | 4 5 | 13 21 | 0 58 | 18 22 | 0 48 | 21 40 | 0 23 | 18 46 | 0 12 | 10 43 | 1 50 | 23 33 | 14 40 | 12 6 | 11 31 | 15 7 | 17 28 | 5 31 |
| T 22 | 23 27 | 10 5 | 0s40 | 25 10 | 2 5 | 14 15 | 4 6 | 13 4 | 0 57 | 18 25 | 0 48 | 21 41 | 0 24 | 18 47 | 0 12 | 10 43 | 1 50 | 23 33 | 14 40 | 12 6 | 11 32 | 15 6 | 17 27 | 5 30 |
| W23 | 23 24 | 6 30 | 1 42 | 25 2 | 2 5 | 14 26 | 4 7 | 12 47 | 0 56 | 18 28 | 0 48 | 21 42 | 0 24 | 18 48 | 0 12 | 10 43 | 1 50 | 23 34 | 14 40 | 12 6 | 11 33 | 15 4 | 17 27 | 5 30 |
| T 24 | 23 21 | 2 38 | 2 40 | 24 52 | 2 6 | 14 37 | 4 8 | 12 30 | 0 55 | 18 31 | 0 48 | 21 43 | 0 24 | 18 48 | 0 12 | 10 44 | 1 50 | 23 35 | 14 41 | 12 5 | 11 34 | 15 3 | 17 26 | 5 30 |
| F 25 | 23 17 | 1n25 | 3 33 | 24 40 | 2 6 | 14 49 | 4 8 | 12 13 | 0 54 | 18 33 | 0 48 | 21 44 | 0 24 | 18 49 | 0 12 | 10 44 | 1 50 | 23 35 | 14 41 | 12 5 | 11 35 | 15 2 | 17 26 | 5 30 |
| S 26 | 23 13 | 5 30 | 4 16 | 24 27 | 2 5 | 15 1 | 4 8 | 11 56 | 0 54 | 18 36 | 0 48 | 21 45 | 0 24 | 18 50 | 0 12 | 10 44 | 1 50 | 23 36 | 14 42 | 12 6 | 11 36 | 15 1 | 17 25 | 5 31 |
| S 27 | 23 8 | 9 28 | 4 49 | 24 11 | 2 4 | 15 13 | 4 8 | 11 39 | 0 53 | 18 39 | 0 48 | 21 46 | 0 24 | 18 50 | 0 12 | 10 45 | 1 51 | 23 37 | 14 42 | 12 7 | 11 37 | 15 0 | 17 24 | 5 31 |
| M28 | 23 3 | 13 6 | 5 6 | 23 54 | 2 2 | 15 25 | 4 8 | 11 22 | 0 52 | 18 41 | 0 48 | 21 46 | 0 24 | 18 51 | 0 12 | 10 45 | 1 51 | 23 37 | 14 43 | 12 9 | 11 39 | 14 59 | 17 24 | 5 31 |
| T 29 | 22 57 | 16 9 | 5 7 | 23 35 | 2 0 | 15 37 | 4 7 | 11 5 | 0 51 | 18 44 | 0 48 | 21 47 | 0 24 | 18 52 | 0 12 | 10 45 | 1 51 | 23 38 | 14 43 | 12 11 | 11 40 | 14 58 | 17 23 | 5 31 |
| W30 | 22 51 | 18 19 | 4 49 | 23 15 | 1 57 | 15 49 | 4 6 | 10 47 | 0 50 | 18 47 | 0 48 | 21 48 | 0 24 | 18 52 | 0 12 | 10 46 | 1 51 | 23 39 | 14 44 | 12 14 | 11 41 | 14 56 | 17 23 | 5 31 |
| T 31 | 22s44 | 19n20 | 4s11 | 22s52 | 1s54 | 16s 2 | 4n 5 | 10s30 | 0s49 | 18s49 | 0n48 | 21n49 | 0n25 | 18s53 | 0n12 | 10s46 | 1n51 | 23n40 | 14n44 | 12n16 | 11n42 | 14s55 | 17s22 | 5n31 |

Julian Day Number = 2077145.5, Delta T = 26m32s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'13, Lahiri = 9°34'14 Julian Calendar 1 Dec. 974 == Greg. Calendar 6 Dec. 974


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## JANUARY 975 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 0 44 | 15♉52'11 | 18♋42 | 27♉59 | 29♏48 | 5♓44 | 27♏11 | 23°R57 | 24♏54 | 2♏47 | 4°R12 | 27°R48 | 29♌29 | 16♒22 | 13♉51 | F 1 |
| S 2 | 7 4 41 | 16°53'14 | 3♌48 | 29°40 | 0♐42 | 6°29 | 27°22 | 23♋53 | 24°57 | 2°48 | 4♍11 | 27♌44 | 29°26 | 16°29 | 13°57 | S 2 |
| S 3 | 7 8 38 | 17°54'16 | 18°50 | 1♒20 | 1°37 | 7°14 | 27°33 | 23°48 | 25° 0 | 2°49 | 4°10 | 27°42 | 29°22 | 16°35 | 14° 2 | S 3 |
| M 4 | 7 12 34 | 18°55'18 | 3♍41 | 3° 0 | 2°33 | 8° 0 | 27°44 | 23°43 | 25° 2 | 2°50 | 4° 9 | 27°D42 | 29°19 | 16°42 | 14° 7 | M 4 |
| T 5 | 7 16 31 | 19°56'18 | 18°14 | 4°38 | 3°29 | 8°45 | 27°54 | 23°38 | 25° 5 | 2°51 | 4° 8 | 27°43 | 29°16 | 16°49 | 14°12 | T 5 |
| W 6 | 7 20 27 | 20°57'19 | 2♎27 | 6°15 | 4°26 | 9°30 | 28° 5 | 23°33 | 25° 7 | 2°52 | 4° 7 | 27°44 | 29°13 | 16°55 | 14°18 | W 6 |
| T 7 | 7 24 24 | 21°58'18 | 16°17 | 7°50 | 5°23 | 10°15 | 28°15 | 23°28 | 25°10 | 2°52 | 4° 6 | 27°R45 | 29°10 | 17° 2 | 14°23 | T 7 |
| F 8 | 7 28 20 | 22°59'17 | 29°45 | 9°23 | 6°21 | 11° 0 | 28°26 | 23°23 | 25°12 | 2°53 | 4° 5 | 27°45 | 29° 6 | 17° 8 | 14°28 | F 8 |
| S 9 | 7 32 17 | 24° 0'15 | 12♏55 | 10°53 | 7°20 | 11°45 | 28°36 | 23°18 | 25°14 | 2°54 | 4° 4 | 27°44 | 29° 3 | 17°15 | 14°34 | S 9 |
| S 10 | 7 36 13 | 25° 1'13 | 25°46 | 12°20 | 8°18 | 12°30 | 28°46 | 23°13 | 25°17 | 2°55 | 4° 3 | 27°41 | 29° 0 | 17°22 | 14°39 | S 10 |
| M11 | 7 40 10 | 26° 2'10 | 8♐23 | 13°43 | 9°18 | 13°15 | 28°56 | 23° 8 | 25°19 | 2°55 | 4° 2 | 27°36 | 28°57 | 17°28 | 14°44 | M11 |
| T 12 | 7 44 7 | 27° 3'05 | 20°47 | 15° 1 | 10°17 | 14° 0 | 29° 6 | 23° 4 | 25°21 | 2°56 | 4° 1 | 27°31 | 28°54 | 17°35 | 14°49 | T 12 |
| W13 | 7 48 3 | 28° 4'00 | 3♑ 1 | 16°14 | 11°17 | 14°45 | 29°16 | 22°59 | 25°23 | 2°56 | 3°59 | 27°25 | 28°51 | 17°42 | 14°54 | W13 |
| T 14 | 7 52 0 | 29° 4'54 | 15° 5 | 17°21 | 12°18 | 15°30 | 29°26 | 22°54 | 25°26 | 2°57 | 3°58 | 27°20 | 28°47 | 17°48 | 15° 0 | T 14 |
| F 15 | 7 55 56 | 0♒ 5'46 | 27° 2 | 18°22 | 13°19 | 16°15 | 29°35 | 22°49 | 25°28 | 2°57 | 3°57 | 27°16 | 28°44 | 17°55 | 15° 5 | F 15 |
| S 16 | 7 59 53 | 1° 6'38 | 8♒54 | 19°14 | 14°20 | 17° 0 | 29°45 | 22°44 | 25°30 | 2°58 | 3°56 | 27°13 | 28°41 | 18° 2 | 15°10 | S 16 |
| S 17 | 8 3 49 | 2° 7'28 | 20°42 | 19°59 | 15°22 | 17°45 | 29°54 | 22°39 | 25°32 | 2°58 | 3°54 | 27°11 | 28°38 | 18° 8 | 15°15 | S 17 |
| M18 | 8 7 46 | 3° 8'16 | 2♓28 | 20°34 | 16°24 | 18°29 | 0♐ 3 | 22°34 | 25°34 | 2°59 | 3°53 | 27°D11 | 28°35 | 18°15 | 15°20 | M18 |
| T 19 | 8 11 42 | 4° 9'03 | 14°16 | 21° 0 | 17°26 | 19°14 | 0°13 | 22°30 | 25°36 | 2°59 | 3°52 | 27°12 | 28°32 | 18°22 | 15°25 | T 19 |
| W20 | 8 15 39 | 5° 9'49 | 26° 9 | 21°15 | 18°29 | 19°59 | 0°22 | 22°25 | 25°37 | 2°59 | 3°50 | 27°14 | 28°28 | 18°28 | 15°30 | W20 |
| T 21 | 8 19 36 | 6°10'33 | 8♈ 9 | 21°R20 | 19°32 | 20°43 | 0°31 | 22°20 | 25°39 | 3° 0 | 3°49 | 27°16 | 28°25 | 18°35 | 15°35 | T 21 |
| F 22 | 8 23 32 | 7°11'15 | 20°23 | 21°13 | 20°35 | 21°28 | 0°39 | 22°15 | 25°41 | 3° 0 | 3°48 | 27°17 | 28°22 | 18°42 | 15°40 | F 22 |
| S 23 | 8 27 29 | 8°11'55 | 2♉53 | 20°57 | 21°38 | 22°13 | 0°48 | 22°11 | 25°43 | 3° 0 | 3°46 | 27°R18 | 28°19 | 18°48 | 15°45 | S 23 |
| S 24 | 8 31 25 | 9°12'34 | 15°45 | 20°30 | 22°42 | 22°57 | 0°57 | 22° 6 | 25°44 | 3° 0 | 3°45 | 27°18 | 28°16 | 18°55 | 15°50 | S 24 |
| M25 | 8 35 22 | 10°13'11 | 29° 1 | 19°53 | 23°46 | 23°42 | 1° 5 | 22° 2 | 25°46 | 3° 0 | 3°43 | 27°17 | 28°12 | 19° 1 | 15°55 | M25 |
| T 26 | 8 39 18 | 11°13'46 | 12♊46 | 19° 8 | 24°50 | 24°26 | 1°13 | 21°57 | 25°47 | 3° 1 | 3°42 | 27°15 | 28° 9 | 19° 8 | 16° 0 | T 26 |
| W27 | 8 43 15 | 12°14'20 | 26°58 | 18°15 | 25°55 | 25°11 | 1°22 | 21°53 | 25°49 | 3° 1 | 3°41 | 27°14 | 28° 6 | 19°15 | 16° 5 | W27 |
| T 28 | 8 47 11 | 13°14'52 | 11♋36 | 17°15 | 27° 0 | 25°55 | 1°30 | 21°48 | 25°50 | 3° 1 | 3°39 | 27°12 | 28° 3 | 19°21 | 16°10 | T 28 |
| F 29 | 8 51 8 | 14°15'21 | 26°35 | 16°12 | 28° 5 | 26°40 | 1°38 | 21°44 | 25°52 | 3°R 1 | 3°38 | 27°10 | 28° 0 | 19°28 | 16°15 | F 29 |
| S 30 | 8 55 5 | 15°15'50 | 11♌46 | 15° 5 | 29°10 | 27°24 | 1°45 | 21°40 | 25°53 | 3° 1 | 3°36 | 27° 9 | 27°57 | 19°35 | 16°20 | S 30 |
| S 31 | 8 59 1 | 16♒16'16 | 27♌ 1 | 13♒58 | 0♉15 | 28♓ 8 | 1♐53 | 21♋35 | 25♏55 | 3♏ 1 | 3♍35 | 27°D 9 | 27♌53 | 19♒41 | 16♉25 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s37 | 19n 1 | 3s16 | 22s29 | 1s50 | 16s14 | 4n 4 | 10s12 | 0s48 | 18s52 | 0n48 | 21n50 | 0n25 | 18s54 | 0n12 | 10s46 | 1n51 | 23n40 | 14n44 | 12n18 | 11n43 | 14s54 | 17s22 | 5n31 |
| S 2 | 22 30 | 17 22 | 2 6 | 22 3 | 1 45 | 16 27 | 4 3 | 9 55 | 0 47 | 18 54 | 0 48 | 21 51 | 0 25 | 18 54 | 0 12 | 10 47 | 1 51 | 23 41 | 14 45 | 12 20 | 11 44 | 14 53 | 17 21 | 5 31 |
| S 3 | 22 22 | 14 30 | 0 48 | 21 36 | 1 40 | 16 39 | 4 2 | 9 37 | 0 47 | 18 56 | 0 48 | 21 52 | 0 25 | 18 55 | 0 12 | 10 47 | 1 51 | 23 42 | 14 45 | 12 20 | 11 45 | 14 52 | 17 21 | 5 31 |
| M 4 | 22 14 | 10 43 | 0n33 | 21 7 | 1 34 | 16 51 | 4 0 | 9 19 | 0 46 | 18 59 | 0 48 | 21 53 | 0 25 | 18 56 | 0 12 | 10 47 | 1 51 | 23 43 | 14 46 | 12 20 | 11 46 | 14 51 | 17 20 | 5 31 |
| T 5 | 22 5 | 6 21 | 1 50 | 20 37 | 1 27 | 17 4 | 3 58 | 9 2 | 0 45 | 19 1 | 0 48 | 21 54 | 0 25 | 18 56 | 0 12 | 10 47 | 1 51 | 23 43 | 14 46 | 12 20 | 11 47 | 14 49 | 17 19 | 5 31 |
| W 6 | 21 56 | 1 45 | 2 58 | 20 6 | 1 19 | 17 16 | 3 57 | 8 44 | 0 44 | 19 4 | 0 48 | 21 55 | 0 25 | 18 57 | 0 12 | 10 47 | 1 51 | 23 44 | 14 46 | 12 19 | 11 49 | 14 48 | 17 19 | 5 31 |
| T 7 | 21 46 | 2s50 | 3 54 | 19 33 | 1 11 | 17 28 | 3 55 | 8 26 | 0 43 | 19 6 | 0 48 | 21 56 | 0 25 | 18 57 | 0 12 | 10 48 | 1 51 | 23 45 | 14 47 | 12 19 | 11 50 | 14 47 | 17 18 | 5 31 |
| F 8 | 21 36 | 7 8 | 4 36 | 19 0 | 1 2 | 17 40 | 3 52 | 8 8 | 0 42 | 19 8 | 0 48 | 21 57 | 0 26 | 18 58 | 0 12 | 10 48 | 1 51 | 23 46 | 14 47 | 12 19 | 11 51 | 14 46 | 17 17 | 5 31 |
| S 9 | 21 25 | 11 0 | 5 2 | 18 25 | 0 51 | 17 52 | 3 50 | 7 50 | 0 41 | 19 10 | 0 48 | 21 58 | 0 26 | 18 59 | 0 12 | 10 48 | 1 51 | 23 46 | 14 48 | 12 20 | 11 52 | 14 45 | 17 17 | 5 31 |
| S 10 | 21 15 | 14 15 | 5 12 | 17 50 | 0 40 | 18 4 | 3 48 | 7 32 | 0 40 | 19 13 | 0 48 | 21 59 | 0 26 | 18 59 | 0 12 | 10 48 | 1 51 | 23 47 | 14 48 | 12 21 | 11 53 | 14 43 | 17 16 | 5 31 |
| M11 | 21 3 | 16 46 | 5 7 | 17 15 | 0 28 | 18 15 | 3 45 | 7 13 | 0 40 | 19 15 | 0 48 | 22 0 | 0 26 | 19 0 | 0 12 | 10 48 | 1 51 | 23 48 | 14 48 | 12 22 | 11 54 | 14 42 | 17 15 | 5 32 |
| T 12 | 20 52 | 18 28 | 4 47 | 16 40 | 0 16 | 18 27 | 3 43 | 6 55 | 0 39 | 19 17 | 0 48 | 22 1 | 0 26 | 19 0 | 0 12 | 10 48 | 1 52 | 23 49 | 14 49 | 12 24 | 11 55 | 14 41 | 17 15 | 5 32 |
| W13 | 20 40 | 19 17 | 4 15 | 16 5 | 0 2 | 18 38 | 3 40 | 6 37 | 0 38 | 19 19 | 0 48 | 22 2 | 0 26 | 19 1 | 0 12 | 10 49 | 1 52 | 23 49 | 14 49 | 12 26 | 11 56 | 14 40 | 17 14 | 5 32 |
| T 14 | 20 27 | 19 13 | 3 31 | 15 31 | 0n12 | 18 48 | 3 37 | 6 19 | 0 37 | 19 21 | 0 48 | 22 3 | 0 26 | 19 1 | 0 12 | 10 49 | 1 52 | 23 50 | 14 49 | 12 28 | 11 57 | 14 39 | 17 13 | 5 32 |
| F 15 | 20 14 | 18 17 | 2 38 | 14 58 | 0 27 | 18 59 | 3 34 | 6 1 | 0 36 | 19 23 | 0 48 | 22 4 | 0 26 | 19 2 | 0 12 | 10 49 | 1 52 | 23 51 | 14 50 | 12 29 | 11 59 | 14 37 | 17 13 | 5 32 |
| S 16 | 20 1 | 16 32 | 1 39 | 14 27 | 0 43 | 19 9 | 3 31 | 5 42 | 0 35 | 19 25 | 0 48 | 22 4 | 0 26 | 19 2 | 0 12 | 10 49 | 1 52 | 23 52 | 14 50 | 12 30 | 12 0 | 14 36 | 17 12 | 5 32 |
| S 17 | 19 48 | 14 6 | 0 36 | 13 58 | 0 59 | 19 19 | 3 28 | 5 24 | 0 34 | 19 27 | 0 48 | 22 5 | 0 26 | 19 3 | 0 12 | 10 49 | 1 52 | 23 53 | 14 50 | 12 31 | 12 1 | 14 35 | 17 11 | 5 32 |
| M18 | 19 34 | 11 6 | 0s29 | 13 31 | 1 16 | 19 29 | 3 24 | 5 6 | 0 34 | 19 29 | 0 48 | 22 6 | 0 27 | 19 3 | 0 12 | 10 49 | 1 52 | 23 53 | 14 51 | 12 31 | 12 2 | 14 34 | 17 11 | 5 33 |
| T 19 | 19 19 | 7 39 | 1 33 | 13 6 | 1 33 | 19 38 | 3 21 | 4 47 | 0 33 | 19 31 | 0 49 | 22 7 | 0 27 | 19 4 | 0 12 | 10 49 | 1 52 | 23 54 | 14 51 | 12 30 | 12 3 | 14 33 | 17 10 | 5 33 |
| W20 | 19 5 | 3 53 | 2 33 | 12 45 | 1 50 | 19 47 | 3 18 | 4 29 | 0 32 | 19 33 | 0 49 | 22 8 | 0 27 | 19 4 | 0 12 | 10 49 | 1 52 | 23 55 | 14 51 | 12 30 | 12 4 | 14 31 | 17 9 | 5 33 |
| T 21 | 18 50 | 0n 4 | 3 28 | 12 28 | 2 7 | 19 56 | 3 14 | 4 10 | 0 31 | 19 35 | 0 49 | 22 9 | 0 27 | 19 5 | 0 12 | 10 49 | 1 52 | 23 56 | 14 52 | 12 29 | 12 5 | 14 30 | 17 8 | 5 33 |
| F 22 | 18 35 | 4 5 | 4 14 | 12 14 | 2 23 | 20 4 | 3 10 | 3 52 | 0 30 | 19 36 | 0 49 | 22 10 | 0 27 | 19 5 | 0 12 | 10 49 | 1 52 | 23 56 | 14 52 | 12 29 | 12 6 | 14 29 | 17 8 | 5 33 |
| S 23 | 18 19 | 8 1 | 4 49 | 12 5 | 2 39 | 20 12 | 3 7 | 3 33 | 0 29 | 19 38 | 0 49 | 22 11 | 0 27 | 19 5 | 0 12 | 10 49 | 1 52 | 23 57 | 14 52 | 12 29 | 12 7 | 14 28 | 17 7 | 5 33 |
| S 24 | 18 3 | 11 41 | 5 10 | 12 0 | 2 54 | 20 19 | 3 3 | 3 15 | 0 29 | 19 40 | 0 49 | 22 11 | 0 27 | 19 6 | 0 12 | 10 49 | 1 52 | 23 58 | 14 52 | 12 29 | 12 9 | 14 26 | 17 6 | 5 34 |
| M25 | 17 47 | 14 54 | 5 17 | 11 58 | 3 7 | 20 26 | 2 59 | 2 56 | 0 28 | 19 42 | 0 49 | 22 12 | 0 27 | 19 6 | 0 12 | 10 49 | 1 52 | 23 59 | 14 53 | 12 29 | 12 10 | 14 25 | 17 5 | 5 34 |
| T 26 | 17 30 | 17 24 | 5 5 | 12 1 | 3 19 | 20 33 | 2 55 | 2 38 | 0 27 | 19 43 | 0 49 | 22 13 | 0 27 | 19 7 | 0 12 | 10 49 | 1 52 | 24 0 | 14 53 | 12 29 | 12 11 | 14 24 | 17 5 | 5 34 |
| W27 | 17 13 | 18 57 | 4 35 | 12 8 | 3 29 | 20 39 | 2 51 | 2 19 | 0 26 | 19 45 | 0 49 | 22 14 | 0 27 | 19 7 | 0 12 | 10 49 | 1 52 | 24 0 | 14 53 | 12 30 | 12 12 | 14 23 | 17 4 | 5 34 |
| T 28 | 16 56 | 19 18 | 3 47 | 12 18 | 3 37 | 20 45 | 2 47 | 2 1 | 0 25 | 19 46 | 0 49 | 22 15 | 0 27 | 19 7 | 0 12 | 10 49 | 1 53 | 24 1 | 14 53 | 12 31 | 12 13 | 14 21 | 17 3 | 5 34 |
| F 29 | 16 39 | 18 18 | 2 42 | 12 32 | 3 42 | 20 50 | 2 43 | 1 43 | 0 24 | 19 48 | 0 49 | 22 15 | 0 28 | 19 8 | 0 12 | 10 49 | 1 53 | 24 2 | 14 54 | 12 31 | 12 14 | 14 20 | 17 2 | 5 35 |
| S 30 | 16 21 | 16 0 | 1 24 | 12 48 | 3 46 | 20 55 | 2 39 | 1 24 | 0 24 | 19 50 | 0 49 | 22 16 | 0 28 | 19 8 | 0 12 | 10 49 | 1 53 | 24 3 | 14 54 | 12 32 | 12 15 | 14 19 | 17 1 | 5 35 |
| S 31 | 16s 3 | 12n34 | 0s 1 | 13s 6 | 3n47 | 20s59 | 2n35 | 1s 6 | 0s23 | 19s51 | 0n49 | 22n17 | 0n28 | 19s 8 | 0n12 | 10s49 | 1n53 | 24n 3 | 14n54 | 12n32 | 12n16 | 14s18 | 17s 1 | 5n35 |

Julian Day Number = 2077176.5, Delta T = 26m31s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'18, Lahiri = 9°34'18 Julian Calendar 1 Jan. 975 == Greg. Calendar 6 Jan. 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## FEBRUARY 975 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 2 58 | 17♒16'41 | 12♍ 9 | 12°R52 | 1♉21 | 28♓52 | 2♐ 1 | 21°R31 | 25♏56 | 3°R 1 | 3°R33 | 27♌ 9 | 27♌50 | 19♒48 | 16♉29 | M 1 |
| T 2 | 9 6 54 | 18°17'04 | 27° 1 | 11♒47 | 2°27 | 29°37 | 2° 8 | 21♋27 | 25°57 | 3♏ 0 | 3♍32 | 27°10 | 27°47 | 19°55 | 16°34 | T 2 |
| W 3 | 9 10 51 | 19°17'25 | 11♎32 | 10°47 | 3°33 | 0♈21 | 2°15 | 21°23 | 25°58 | 3° 0 | 3°30 | 27°10 | 27°44 | 20° 1 | 16°39 | W 3 |
| T 4 | 9 14 47 | 20°17'45 | 25°37 | 9°51 | 4°39 | 1° 5 | 2°22 | 21°19 | 25°59 | 3° 0 | 3°29 | 27°11 | 27°41 | 20° 8 | 16°43 | T 4 |
| F 5 | 9 18 44 | 21°18'04 | 9♏16 | 9° 1 | 5°46 | 1°49 | 2°29 | 21°15 | 26° 0 | 3° 0 | 3°27 | 27°12 | 27°38 | 20°15 | 16°48 | F 5 |
| S 6 | 9 22 40 | 22°18'21 | 22°29 | 8°17 | 6°53 | 2°33 | 2°36 | 21°11 | 26° 1 | 3° 0 | 3°26 | 27°R12 | 27°34 | 20°21 | 16°52 | S 6 |
| S 7 | 9 26 37 | 23°18'37 | 5♐19 | 7°40 | 8° 0 | 3°17 | 2°43 | 21° 7 | 26° 2 | 2°59 | 3°24 | 27°12 | 27°31 | 20°28 | 16°57 | S 7 |
| M 8 | 9 30 34 | 24°18'51 | 17°50 | 7°10 | 9° 7 | 4° 1 | 2°49 | 21° 4 | 26° 3 | 2°59 | 3°22 | 27°11 | 27°28 | 20°35 | 17° 2 | M 8 |
| T 9 | 9 34 30 | 25°19'04 | 0♑ 5 | 6°47 | 10°14 | 4°45 | 2°56 | 21° 0 | 26° 4 | 2°59 | 3°21 | 27°11 | 27°25 | 20°41 | 17° 6 | T 9 |
| W10 | 9 38 27 | 26°19'15 | 12° 9 | 6°32 | 11°21 | 5°29 | 3° 2 | 20°56 | 26° 5 | 2°58 | 3°19 | 27°11 | 27°22 | 20°48 | 17°10 | W10 |
| T 11 | 9 42 23 | 27°19'24 | 24° 4 | 6°23 | 12°29 | 6°13 | 3° 8 | 20°53 | 26° 6 | 2°58 | 3°18 | 27°D11 | 27°18 | 20°54 | 17°15 | T 11 |
| F 12 | 9 46 20 | 28°19'31 | 5♒54 | 6°D21 | 13°36 | 6°57 | 3°14 | 20°50 | 26° 6 | 2°57 | 3°16 | 27°11 | 27°15 | 21° 1 | 17°19 | F 12 |
| S 13 | 9 50 16 | 29°19'37 | 17°41 | 6°26 | 14°44 | 7°40 | 3°19 | 20°46 | 26° 7 | 2°57 | 3°15 | 27°11 | 27°12 | 21° 8 | 17°23 | S 13 |
| S 14 | 9 54 13 | 0♓19'41 | 29°28 | 6°36 | 15°52 | 8°24 | 3°25 | 20°43 | 26° 7 | 2°56 | 3°13 | 27°R11 | 27° 9 | 21°14 | 17°28 | S 14 |
| M15 | 9 58 9 | 1°19'42 | 11♓17 | 6°52 | 17° 0 | 9° 8 | 3°31 | 20°40 | 26° 8 | 2°56 | 3°11 | 27°11 | 27° 6 | 21°21 | 17°32 | M15 |
| T 16 | 10 2 6 | 2°19'42 | 23°11 | 7°14 | 18° 8 | 9°51 | 3°36 | 20°37 | 26° 8 | 2°55 | 3°10 | 27°11 | 27° 3 | 21°28 | 17°36 | T 16 |
| W17 | 10 6 3 | 3°19'40 | 5♈10 | 7°40 | 19°17 | 10°35 | 3°41 | 20°34 | 26° 9 | 2°55 | 3° 8 | 27°10 | 26°59 | 21°34 | 17°40 | W17 |
| T 18 | 10 9 59 | 4°19'35 | 17°19 | 8°11 | 20°25 | 11°19 | 3°46 | 20°31 | 26° 9 | 2°54 | 3° 7 | 27° 9 | 26°56 | 21°41 | 17°44 | T 18 |
| F 19 | 10 13 56 | 5°19'29 | 29°39 | 8°47 | 21°34 | 12° 2 | 3°51 | 20°28 | 26° 9 | 2°53 | 3° 5 | 27° 8 | 26°53 | 21°48 | 17°48 | F 19 |
| S 20 | 10 17 52 | 6°19'20 | 12♉13 | 9°27 | 22°42 | 12°46 | 3°55 | 20°25 | 26°10 | 2°53 | 3° 3 | 27° 7 | 26°50 | 21°54 | 17°52 | S 20 |
| S 21 | 10 21 49 | 7°19'09 | 25° 5 | 10°11 | 23°51 | 13°29 | 4° 0 | 20°23 | 26°10 | 2°52 | 3° 2 | 27° 6 | 26°47 | 22° 1 | 17°56 | S 21 |
| M22 | 10 25 45 | 8°18'56 | 8♊17 | 10°58 | 25° 0 | 14°12 | 4° 4 | 20°20 | 26°10 | 2°51 | 3° 0 | 27°D 6 | 26°43 | 22° 8 | 18° 0 | M22 |
| T 23 | 10 29 42 | 9°18'40 | 21°51 | 11°49 | 26° 9 | 14°56 | 4° 8 | 20°18 | 26°10 | 2°51 | 2°59 | 27° 6 | 26°40 | 22°14 | 18° 4 | T 23 |
| W24 | 10 33 38 | 10°18'22 | 5♋49 | 12°43 | 27°18 | 15°39 | 4°12 | 20°16 | 26°R10 | 2°50 | 2°57 | 27° 7 | 26°37 | 22°21 | 18° 8 | W24 |
| T 25 | 10 37 35 | 11°18'02 | 20°10 | 13°39 | 28°27 | 16°22 | 4°16 | 20°14 | 26°10 | 2°49 | 2°55 | 27° 8 | 26°34 | 22°27 | 18°11 | T 25 |
| F 26 | 10 41 32 | 12°17'39 | 4♌53 | 14°39 | 29°36 | 17° 5 | 4°19 | 20°11 | 26°10 | 2°48 | 2°54 | 27° 9 | 26°31 | 22°34 | 18°15 | F 26 |
| S 27 | 10 45 28 | 13°17'14 | 19°51 | 15°41 | 0♒46 | 17°49 | 4°23 | 20° 9 | 26°10 | 2°47 | 2°52 | 27°R10 | 26°28 | 22°41 | 18°19 | S 27 |
| S 28 | 10 49 25 | 14♓16'47 | 4♍59 | 16♒46 | 1♒55 | 18♈32 | 4♐26 | 20♋ 8 | 26♏10 | 2♏46 | 2♍51 | 27♌10 | 26♌24 | 22♒47 | 18♉22 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 15s44 | 8n19 | 1n22 | 13s26 | 3n46 | 21s 3 | 2n31 | 0s47 | 0s22 | 19s52 | 0n49 | 22n18 | 0n28 | 19s 8 | 0n12 | 10s49 | 1n53 | 24n 4 | 14n54 | 12n32 | 12n17 | 14s16 | 17s 0 | 5n35 | M 1 |
| T 2 | 15 26 | 3 37 | 2 39 | 13 47 | 3 42 | 21 6 | 2 27 | 0 29 | 0 21 | 19 54 | 0 49 | 22 19 | 0 28 | 19 9 | 0 13 | 10 49 | 1 53 | 24 5 | 14 54 | 12 31 | 12 19 | 14 15 | 16 59 | 5 36 | T 2 |
| W 3 | 15 7 | 1s10 | 3 43 | 14 9 | 3 37 | 21 9 | 2 22 | 0 10 | 0 20 | 19 55 | 0 49 | 22 19 | 0 28 | 19 9 | 0 13 | 10 49 | 1 53 | 24 6 | 14 55 | 12 31 | 12 20 | 14 14 | 16 58 | 5 36 | W 3 |
| T 4 | 14 48 | 5 45 | 4 31 | 14 30 | 3 30 | 21 11 | 2 18 | 0n 8 | 0 20 | 19 57 | 0 49 | 22 20 | 0 28 | 19 9 | 0 13 | 10 49 | 1 53 | 24 6 | 14 55 | 12 31 | 12 21 | 14 13 | 16 57 | 5 36 | T 4 |
| F 5 | 14 29 | 9 52 | 5 3 | 14 52 | 3 21 | 21 13 | 2 14 | 0 26 | 0 19 | 19 58 | 0 49 | 22 21 | 0 28 | 19 10 | 0 13 | 10 48 | 1 53 | 24 7 | 14 55 | 12 31 | 12 22 | 14 11 | 16 57 | 5 36 | F 5 |
| S 6 | 14 9 | 13 23 | 5 17 | 15 13 | 3 11 | 21 14 | 2 9 | 0 45 | 0 18 | 19 59 | 0 49 | 22 21 | 0 28 | 19 10 | 0 13 | 10 48 | 1 53 | 24 8 | 14 55 | 12 31 | 12 23 | 14 10 | 16 56 | 5 37 | S 6 |
| S 7 | 13 49 | 16 8 | 5 15 | 15 33 | 3 0 | 21 15 | 2 5 | 1 3 | 0 17 | 20 0 | 0 49 | 22 22 | 0 28 | 19 10 | 0 13 | 10 48 | 1 53 | 24 9 | 14 55 | 12 31 | 12 24 | 14 9 | 16 55 | 5 37 | S 7 |
| M 8 | 13 29 | 18 4 | 4 58 | 15 52 | 2 48 | 21 15 | 2 1 | 1 21 | 0 16 | 20 2 | 0 50 | 22 23 | 0 28 | 19 10 | 0 13 | 10 48 | 1 53 | 24 9 | 14 55 | 12 31 | 12 25 | 14 7 | 16 54 | 5 37 | M 8 |
| T 9 | 13 9 | 19 7 | 4 27 | 16 10 | 2 36 | 21 14 | 1 56 | 1 39 | 0 16 | 20 3 | 0 50 | 22 23 | 0 28 | 19 10 | 0 13 | 10 48 | 1 53 | 24 10 | 14 56 | 12 31 | 12 26 | 14 6 | 16 53 | 5 37 | T 9 |
| W10 | 12 49 | 19 16 | 3 45 | 16 26 | 2 23 | 21 13 | 1 52 | 1 58 | 0 15 | 20 4 | 0 50 | 22 24 | 0 28 | 19 11 | 0 13 | 10 48 | 1 53 | 24 11 | 14 56 | 12 31 | 12 27 | 14 5 | 16 53 | 5 38 | W10 |
| T 11 | 12 28 | 18 33 | 2 54 | 16 41 | 2 10 | 21 12 | 1 48 | 2 16 | 0 14 | 20 5 | 0 50 | 22 25 | 0 29 | 19 11 | 0 13 | 10 47 | 1 53 | 24 11 | 14 56 | 12 31 | 12 28 | 14 4 | 16 52 | 5 38 | T 11 |
| F 12 | 12 7 | 17 2 | 1 56 | 16 55 | 1 56 | 21 10 | 1 43 | 2 34 | 0 13 | 20 6 | 0 50 | 22 25 | 0 29 | 19 11 | 0 13 | 10 47 | 1 53 | 24 12 | 14 56 | 12 31 | 12 29 | 14 2 | 16 51 | 5 38 | F 12 |
| S 13 | 11 46 | 14 47 | 0 53 | 17 7 | 1 43 | 21 7 | 1 39 | 2 52 | 0 13 | 20 7 | 0 50 | 22 26 | 0 29 | 19 11 | 0 13 | 10 47 | 1 54 | 24 13 | 14 56 | 12 31 | 12 31 | 14 1 | 16 50 | 5 39 | S 13 |
| S 14 | 11 25 | 11 55 | 0s13 | 17 17 | 1 29 | 21 4 | 1 34 | 3 10 | 0 12 | 20 8 | 0 50 | 22 26 | 0 29 | 19 11 | 0 13 | 10 47 | 1 54 | 24 14 | 14 56 | 12 31 | 12 32 | 14 0 | 16 49 | 5 39 | S 14 |
| M15 | 11 4 | 8 34 | 1 18 | 17 26 | 1 16 | 21 0 | 1 30 | 3 28 | 0 11 | 20 9 | 0 50 | 22 27 | 0 29 | 19 11 | 0 13 | 10 47 | 1 54 | 24 14 | 14 56 | 12 31 | 12 33 | 13 58 | 16 48 | 5 39 | M15 |
| T 16 | 10 42 | 4 52 | 2 20 | 17 33 | 1 3 | 20 55 | 1 25 | 3 46 | 0 10 | 20 10 | 0 50 | 22 27 | 0 29 | 19 11 | 0 13 | 10 46 | 1 54 | 24 15 | 14 56 | 12 31 | 12 34 | 13 57 | 16 48 | 5 40 | T 16 |
| W17 | 10 20 | 0 56 | 3 16 | 17 39 | 0 50 | 20 50 | 1 21 | 4 4 | 0 10 | 20 11 | 0 50 | 22 28 | 0 29 | 19 12 | 0 13 | 10 46 | 1 54 | 24 16 | 14 56 | 12 31 | 12 35 | 13 56 | 16 47 | 5 40 | W17 |
| T 18 | 9 59 | 3n 5 | 4 4 | 17 43 | 0 37 | 20 45 | 1 17 | 4 22 | 0 9 | 20 12 | 0 50 | 22 28 | 0 29 | 19 12 | 0 13 | 10 46 | 1 54 | 24 16 | 14 56 | 12 32 | 12 36 | 13 54 | 16 46 | 5 40 | T 18 |
| F 19 | 9 37 | 7 1 | 4 42 | 17 46 | 0 25 | 20 39 | 1 12 | 4 40 | 0 8 | 20 13 | 0 50 | 22 29 | 0 29 | 19 12 | 0 13 | 10 46 | 1 54 | 24 17 | 14 57 | 12 32 | 12 37 | 13 53 | 16 45 | 5 41 | F 19 |
| S 20 | 9 14 | 10 43 | 5 7 | 17 47 | 0 13 | 20 32 | 1 8 | 4 57 | 0 7 | 20 14 | 0 50 | 22 29 | 0 29 | 19 12 | 0 13 | 10 45 | 1 54 | 24 18 | 14 57 | 12 32 | 12 38 | 13 52 | 16 44 | 5 41 | S 20 |
| S 21 | 8 52 | 14 0 | 5 17 | 17 46 | 0 1 | 20 25 | 1 3 | 5 15 | 0 7 | 20 14 | 0 50 | 22 30 | 0 29 | 19 12 | 0 13 | 10 45 | 1 54 | 24 18 | 14 57 | 12 33 | 12 39 | 13 51 | 16 43 | 5 41 | S 21 |
| M22 | 8 30 | 16 41 | 5 12 | 17 44 | 0s10 | 20 17 | 0 59 | 5 33 | 0 6 | 20 15 | 0 50 | 22 30 | 0 29 | 19 12 | 0 13 | 10 45 | 1 54 | 24 19 | 14 57 | 12 33 | 12 40 | 13 49 | 16 43 | 5 42 | M22 |
| T 23 | 8 7 | 18 31 | 4 48 | 17 40 | 0 20 | 20 8 | 0 55 | 5 50 | 0 5 | 20 16 | 0 50 | 22 31 | 0 29 | 19 12 | 0 13 | 10 44 | 1 54 | 24 19 | 14 57 | 12 33 | 12 41 | 13 48 | 16 42 | 5 42 | T 23 |
| W24 | 7 45 | 19 19 | 4 8 | 17 35 | 0 31 | 19 59 | 0 50 | 6 8 | 0 4 | 20 16 | 0 50 | 22 31 | 0 29 | 19 12 | 0 13 | 10 44 | 1 54 | 24 20 | 14 57 | 12 32 | 12 43 | 13 47 | 16 41 | 5 42 | W24 |
| T 25 | 7 22 | 18 54 | 3 11 | 17 28 | 0 41 | 19 50 | 0 46 | 6 25 | 0 4 | 20 17 | 0 51 | 22 31 | 0 29 | 19 12 | 0 13 | 10 44 | 1 54 | 24 21 | 14 57 | 12 32 | 12 44 | 13 45 | 16 40 | 5 43 | T 25 |
| F 26 | 6 59 | 17 12 | 2 1 | 17 19 | 0 50 | 19 40 | 0 42 | 6 42 | 0 3 | 20 18 | 0 51 | 22 32 | 0 30 | 19 12 | 0 13 | 10 43 | 1 54 | 24 21 | 14 57 | 12 32 | 12 45 | 13 44 | 16 39 | 5 43 | F 26 |
| S 27 | 6 36 | 14 18 | 0 40 | 17 10 | 0 59 | 19 29 | 0 38 | 7 0 | 0 2 | 20 18 | 0 51 | 22 32 | 0 30 | 19 12 | 0 13 | 10 43 | 1 54 | 24 22 | 14 57 | 12 31 | 12 46 | 13 43 | 16 38 | 5 43 | S 27 |
| S 28 | 6s13 | 10n24 | 0n43 | 16s58 | 1s 8 | 19s18 | 0n33 | 7n17 | 0s 1 | 20s19 | 0n51 | 22n32 | 0n30 | 19s12 | 0n13 | 10s43 | 1n54 | 24n22 | 14n57 | 12n31 | 12n47 | 13s41 | 16s37 | 5n44 | S 28 |

Julian Day Number = 2077207.5, Delta T = 26m31s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'22, Lahiri = 9°34'22 Julian Calendar 1 Feb. 975 == Greg. Calendar 6 Feb. 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## MARCH 975 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 53 21 | 15♓16'18 | 20♍ 7 | 17♒53 | 3♒ 5 | 19♈15 | 4♐29 | 20°R 6 | 26°R10 | 2°R45 | 2°R49 | 27°R 9 | 26♌21 | 22♒54 | 18♉26 | M 1 |
| T 2 | 10 57 18 | 16°15'47 | 5♎ 5 | 19° 2 | 4°14 | 19°58 | 4°32 | 20♋ 4 | 26♏ 9 | 2♏44 | 2♍48 | 27♌ 7 | 26°18 | 23° 1 | 18°29 | T 2 |
| W 3 | 11 1 14 | 17°15'13 | 19°46 | 20°14 | 5°24 | 20°41 | 4°34 | 20° 3 | 26° 9 | 2°43 | 2°46 | 27° 4 | 26°15 | 23° 7 | 18°32 | W 3 |
| T 4 | 11 5 11 | 18°14'38 | 4♏ 3 | 21°27 | 6°34 | 21°24 | 4°37 | 20° 1 | 26° 9 | 2°42 | 2°45 | 27° 1 | 26°12 | 23°14 | 18°36 | T 4 |
| F 5 | 11 9 7 | 19°14'01 | 17°52 | 22°43 | 7°43 | 22° 7 | 4°39 | 20° 0 | 26° 8 | 2°41 | 2°43 | 26°59 | 26° 9 | 23°21 | 18°39 | F 5 |
| S 6 | 11 13 4 | 20°13'22 | 1♐14 | 24° 0 | 8°53 | 22°49 | 4°41 | 19°58 | 26° 8 | 2°40 | 2°42 | 26°57 | 26° 5 | 23°27 | 18°42 | S 6 |
| S 7 | 11 17 0 | 21°12'41 | 14°10 | 25°19 | 10° 3 | 23°32 | 4°43 | 19°57 | 26° 7 | 2°39 | 2°40 | 26°55 | 26° 2 | 23°34 | 18°45 | S 7 |
| M 8 | 11 20 57 | 22°11'59 | 26°43 | 26°40 | 11°14 | 24°15 | 4°45 | 19°56 | 26° 7 | 2°38 | 2°39 | 26°D55 | 25°59 | 23°41 | 18°49 | M 8 |
| T 9 | 11 24 54 | 23°11'14 | 8♉57 | 28° 3 | 12°24 | 24°58 | 4°47 | 19°55 | 26° 6 | 2°37 | 2°37 | 26°56 | 25°56 | 23°47 | 18°52 | T 9 |
| W10 | 11 28 50 | 24°10'28 | 20°57 | 29°28 | 13°34 | 25°40 | 4°48 | 19°54 | 26° 5 | 2°36 | 2°36 | 26°58 | 25°53 | 23°54 | 18°55 | W10 |
| T 11 | 11 32 47 | 25° 9'40 | 2♒48 | 0♓54 | 14°44 | 26°23 | 4°49 | 19°54 | 26° 4 | 2°34 | 2°34 | 27° 0 | 25°49 | 24° 0 | 18°58 | T 11 |
| F 12 | 11 36 43 | 26° 8'50 | 14°35 | 2°21 | 15°55 | 27° 6 | 4°50 | 19°53 | 26° 4 | 2°33 | 2°33 | 27° 1 | 25°46 | 24° 7 | 19° 0 | F 12 |
| S 13 | 11 40 40 | 27° 7'59 | 26°21 | 3°50 | 17° 5 | 27°48 | 4°51 | 19°53 | 26° 3 | 2°32 | 2°31 | 27°R 2 | 25°43 | 24°14 | 19° 3 | S 13 |
| S 14 | 11 44 36 | 28° 7'05 | 8♓10 | 5°21 | 18°15 | 28°31 | 4°52 | 19°52 | 26° 2 | 2°31 | 2°30 | 27° 1 | 25°40 | 24°20 | 19° 6 | S 14 |
| M15 | 11 48 33 | 29° 6'09 | 20° 5 | 6°53 | 19°26 | 29°13 | 4°52 | 19°52 | 26° 1 | 2°29 | 2°28 | 26°59 | 25°37 | 24°27 | 19° 9 | M15 |
| T 16 | 11 52 29 | 0♈ 5'11 | 2♈ 8 | 8°27 | 20°37 | 29°55 | 4°53 | 19°52 | 26° 0 | 2°28 | 2°27 | 26°55 | 25°34 | 24°34 | 19°11 | T 16 |
| W17 | 11 56 26 | 1° 4'11 | 14°20 | 10° 2 | 21°47 | 0♉38 | 4°R53 | 19°D52 | 25°59 | 2°27 | 2°26 | 26°50 | 25°30 | 24°40 | 19°14 | W17 |
| T 18 | 12 0 23 | 2° 3'09 | 26°42 | 11°39 | 22°58 | 1°20 | 4°53 | 19°52 | 25°58 | 2°25 | 2°24 | 26°44 | 25°27 | 24°47 | 19°16 | T 18 |
| F 19 | 12 4 19 | 3° 2'04 | 9♉17 | 13°17 | 24° 9 | 2° 2 | 4°52 | 19°52 | 25°57 | 2°24 | 2°23 | 26°37 | 25°24 | 24°54 | 19°19 | F 19 |
| S 20 | 12 8 16 | 4° 0'58 | 22° 4 | 14°57 | 25°19 | 2°45 | 4°52 | 19°52 | 25°56 | 2°23 | 2°22 | 26°31 | 25°21 | 25° 0 | 19°21 | S 20 |
| S 21 | 12 12 12 | 4°59'49 | 5♊ 5 | 16°39 | 26°30 | 3°27 | 4°51 | 19°53 | 25°54 | 2°21 | 2°20 | 26°27 | 25°18 | 25° 7 | 19°23 | S 21 |
| M22 | 12 16 9 | 5°58'38 | 18°21 | 18°22 | 27°41 | 4° 9 | 4°50 | 19°53 | 25°53 | 2°20 | 2°19 | 26°23 | 25°15 | 25°14 | 19°25 | M22 |
| T 23 | 12 20 5 | 6°57'25 | 1♋54 | 20° 6 | 28°52 | 4°51 | 4°49 | 19°54 | 25°52 | 2°19 | 2°18 | 26°D22 | 25°11 | 25°20 | 19°27 | T 23 |
| W24 | 12 24 2 | 7°56'09 | 15°43 | 21°52 | 0♓ 3 | 5°33 | 4°48 | 19°54 | 25°51 | 2°17 | 2°17 | 26°22 | 25° 8 | 25°27 | 19°30 | W24 |
| T 25 | 12 27 58 | 8°54'51 | 29°49 | 23°39 | 1°14 | 6°15 | 4°47 | 19°55 | 25°49 | 2°16 | 2°15 | 26°23 | 25° 5 | 25°34 | 19°32 | T 25 |
| F 26 | 12 31 55 | 9°53'31 | 14♌12 | 25°28 | 2°25 | 6°57 | 4°45 | 19°56 | 25°48 | 2°14 | 2°14 | 26°24 | 25° 2 | 25°40 | 19°33 | F 26 |
| S 27 | 12 35 51 | 10°52'09 | 28°49 | 27°19 | 3°36 | 7°39 | 4°43 | 19°57 | 25°46 | 2°13 | 2°13 | 26°R25 | 24°59 | 25°47 | 19°35 | S 27 |
| S 28 | 12 39 48 | 11°50'44 | 13♍36 | 29°11 | 4°47 | 8°21 | 4°41 | 19°58 | 25°45 | 2°11 | 2°12 | 26°24 | 24°55 | 25°53 | 19°37 | S 28 |
| M29 | 12 43 45 | 12°49'17 | 28°26 | 1♈ 5 | 5°58 | 9° 3 | 4°39 | 20° 0 | 25°43 | 2°10 | 2°11 | 26°20 | 24°52 | 26° 0 | 19°39 | M29 |
| T 30 | 12 47 41 | 13°47'48 | 13♎13 | 3° 0 | 7°10 | 9°45 | 4°37 | 20° 1 | 25°42 | 2° 8 | 2°10 | 26°15 | 24°49 | 26° 7 | 19°40 | T 30 |
| W31 | 12 51 38 | 14♈46'17 | 27♎48 | 4♈57 | 8♓21 | 10♉26 | 4♐34 | 20♋ 2 | 25♏40 | 2♏ 7 | 2♍ 9 | 26♌ 8 | 24♌46 | 26♒13 | 19♉42 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s50 | 5n50 | 2n 4 | 16s45 | 1s16 | 19s 6 | 0n29 | 7n34 | 0s 1 | 20s19 | 0n51 | 22n33 | 0n30 | 19s12 | 0n13 | 10s42 | 1n54 | 24n23 | 14n57 | 12n32 | 12n48 | 13s40 | 16s37 | 5n44 |
| T 2 | 5 27 | 0 57 | 3 15 | 16 31 | 1 23 | 18 54 | 0 25 | 7 51 | 0n 0 | 20 20 | 0 51 | 22 33 | 0 30 | 19 12 | 0 13 | 10 42 | 1 54 | 24 23 | 14 57 | 12 32 | 12 49 | 13 38 | 16 36 | 5 45 |
| W 3 | 5 4 | 3s53 | 4 11 | 16 15 | 1 31 | 18 41 | 0 21 | 8 8 | 0 1 | 20 20 | 0 51 | 22 33 | 0 30 | 19 12 | 0 13 | 10 41 | 1 55 | 24 24 | 14 56 | 12 33 | 12 50 | 13 37 | 16 35 | 5 45 |
| T 4 | 4 40 | 8 22 | 4 51 | 15 58 | 1 37 | 18 28 | 0 17 | 8 25 | 0 1 | 20 21 | 0 51 | 22 34 | 0 30 | 19 11 | 0 13 | 10 41 | 1 55 | 24 25 | 14 56 | 12 34 | 12 51 | 13 36 | 16 34 | 5 45 |
| F 5 | 4 17 | 12 16 | 5 12 | 15 39 | 1 44 | 18 14 | 0 13 | 8 41 | 0 2 | 20 21 | 0 51 | 22 34 | 0 30 | 19 11 | 0 13 | 10 41 | 1 55 | 24 25 | 14 56 | 12 35 | 12 52 | 13 34 | 16 33 | 5 46 |
| S 6 | 3 54 | 15 23 | 5 15 | 15 19 | 1 50 | 17 59 | 0 9 | 8 58 | 0 3 | 20 21 | 0 51 | 22 34 | 0 30 | 19 11 | 0 13 | 10 40 | 1 55 | 24 26 | 14 56 | 12 36 | 12 53 | 13 33 | 16 32 | 5 46 |
| S 7 | 3 30 | 17 38 | 5 1 | 14 57 | 1 55 | 17 44 | 0 5 | 9 15 | 0 4 | 20 22 | 0 51 | 22 34 | 0 30 | 19 11 | 0 13 | 10 40 | 1 55 | 24 26 | 14 56 | 12 36 | 12 55 | 13 32 | 16 32 | 5 47 |
| M 8 | 3 7 | 18 58 | 4 34 | 14 34 | 2 0 | 17 29 | 0 1 | 9 31 | 0 4 | 20 22 | 0 51 | 22 35 | 0 30 | 19 11 | 0 13 | 10 39 | 1 55 | 24 27 | 14 56 | 12 36 | 12 56 | 13 30 | 16 31 | 5 47 |
| T 9 | 2 43 | 19 22 | 3 55 | 14 10 | 2 5 | 17 13 | 0s 2 | 9 47 | 0 5 | 20 22 | 0 51 | 22 35 | 0 30 | 19 11 | 0 13 | 10 39 | 1 55 | 24 27 | 14 56 | 12 36 | 12 57 | 13 29 | 16 30 | 5 47 |
| W10 | 2 20 | 18 52 | 3 6 | 13 44 | 2 9 | 16 56 | 0 6 | 10 4 | 0 6 | 20 22 | 0 51 | 22 35 | 0 30 | 19 11 | 0 13 | 10 39 | 1 55 | 24 27 | 14 56 | 12 36 | 12 58 | 13 28 | 16 29 | 5 48 |
| T 11 | 1 56 | 17 32 | 2 9 | 13 16 | 2 12 | 16 40 | 0 10 | 10 20 | 0 6 | 20 22 | 0 51 | 22 35 | 0 30 | 19 10 | 0 13 | 10 38 | 1 55 | 24 28 | 14 56 | 12 35 | 12 59 | 13 26 | 16 28 | 5 48 |
| F 12 | 1 32 | 15 28 | 1 8 | 12 48 | 2 15 | 16 22 | 0 13 | 10 36 | 0 7 | 20 23 | 0 51 | 22 35 | 0 30 | 19 10 | 0 13 | 10 38 | 1 55 | 24 28 | 14 56 | 12 34 | 13 0 | 13 25 | 16 28 | 5 49 |
| S 13 | 1 9 | 12 45 | 0 4 | 12 18 | 2 18 | 16 4 | 0 17 | 10 52 | 0 8 | 20 23 | 0 51 | 22 35 | 0 30 | 19 10 | 0 13 | 10 37 | 1 55 | 24 29 | 14 56 | 12 34 | 13 1 | 13 23 | 16 27 | 5 49 |
| S 14 | 0 45 | 9 29 | 1s 1 | 11 46 | 2 20 | 15 46 | 0 21 | 11 8 | 0 8 | 20 23 | 0 52 | 22 35 | 0 30 | 19 10 | 0 13 | 10 37 | 1 55 | 24 29 | 14 55 | 12 34 | 13 2 | 13 22 | 16 26 | 5 50 |
| M15 | 0 22 | 5 50 | 2 3 | 11 13 | 2 22 | 15 27 | 0 24 | 11 24 | 0 9 | 20 23 | 0 52 | 22 35 | 0 30 | 19 10 | 0 13 | 10 36 | 1 55 | 24 30 | 14 55 | 12 35 | 13 3 | 13 21 | 16 25 | 5 50 |
| T 16 | 0n 2 | 1 54 | 3 0 | 10 39 | 2 23 | 15 8 | 0 28 | 11 39 | 0 10 | 20 23 | 0 52 | 22 36 | 0 30 | 19 9 | 0 13 | 10 36 | 1 55 | 24 30 | 14 55 | 12 36 | 13 4 | 13 19 | 16 24 | 5 50 |
| W17 | 0 26 | 2n 9 | 3 50 | 10 4 | 2 24 | 14 48 | 0 31 | 11 55 | 0 10 | 20 23 | 0 52 | 22 36 | 0 30 | 19 9 | 0 13 | 10 35 | 1 55 | 24 30 | 14 55 | 12 38 | 13 5 | 13 18 | 16 24 | 5 51 |
| T 18 | 0 49 | 6 10 | 4 30 | 9 27 | 2 24 | 14 28 | 0 34 | 12 10 | 0 11 | 20 23 | 0 52 | 22 36 | 0 31 | 19 9 | 0 13 | 10 35 | 1 55 | 24 31 | 14 55 | 12 40 | 13 6 | 13 17 | 16 23 | 5 51 |
| F 19 | 1 13 | 9 58 | 4 57 | 8 49 | 2 24 | 14 8 | 0 37 | 12 26 | 0 12 | 20 23 | 0 52 | 22 36 | 0 31 | 19 9 | 0 13 | 10 34 | 1 55 | 24 31 | 14 55 | 12 43 | 13 7 | 13 15 | 16 22 | 5 52 |
| S 20 | 1 36 | 13 23 | 5 10 | 8 9 | 2 23 | 13 47 | 0 41 | 12 41 | 0 12 | 20 22 | 0 52 | 22 36 | 0 31 | 19 8 | 0 13 | 10 34 | 1 55 | 24 31 | 14 54 | 12 45 | 13 9 | 13 14 | 16 21 | 5 52 |
| S 21 | 2 0 | 16 13 | 5 7 | 7 28 | 2 22 | 13 26 | 0 44 | 12 56 | 0 13 | 20 22 | 0 52 | 22 36 | 0 31 | 19 8 | 0 13 | 10 33 | 1 55 | 24 32 | 14 54 | 12 46 | 13 10 | 13 12 | 16 20 | 5 53 |
| M22 | 2 23 | 18 16 | 4 49 | 6 46 | 2 20 | 13 4 | 0 47 | 13 11 | 0 13 | 20 22 | 0 52 | 22 36 | 0 31 | 19 8 | 0 13 | 10 33 | 1 55 | 24 32 | 14 54 | 12 47 | 13 11 | 13 11 | 16 20 | 5 53 |
| T 23 | 2 47 | 19 20 | 4 13 | 6 3 | 2 17 | 12 42 | 0 50 | 13 26 | 0 14 | 20 22 | 0 52 | 22 36 | 0 31 | 19 7 | 0 13 | 10 32 | 1 55 | 24 32 | 14 54 | 12 48 | 13 12 | 13 9 | 16 19 | 5 54 |
| W24 | 3 10 | 19 17 | 3 23 | 5 18 | 2 15 | 12 20 | 0 52 | 13 41 | 0 15 | 20 22 | 0 52 | 22 36 | 0 31 | 19 7 | 0 13 | 10 32 | 1 55 | 24 32 | 14 54 | 12 48 | 13 13 | 13 8 | 16 18 | 5 54 |
| T 25 | 3 33 | 18 2 | 2 19 | 4 32 | 2 11 | 11 57 | 0 55 | 13 55 | 0 15 | 20 21 | 0 52 | 22 35 | 0 31 | 19 7 | 0 13 | 10 31 | 1 55 | 24 33 | 14 53 | 12 47 | 13 14 | 13 7 | 16 18 | 5 54 |
| F 26 | 3 56 | 15 37 | 1 6 | 3 45 | 2 7 | 11 34 | 0 58 | 14 10 | 0 16 | 20 21 | 0 52 | 22 35 | 0 31 | 19 7 | 0 13 | 10 31 | 1 55 | 24 33 | 14 53 | 12 47 | 13 15 | 13 5 | 16 17 | 5 55 |
| S 27 | 4 19 | 12 9 | 0n13 | 2 57 | 2 3 | 11 11 | 1 1 | 14 24 | 0 17 | 20 21 | 0 52 | 22 35 | 0 31 | 19 6 | 0 13 | 10 30 | 1 55 | 24 33 | 14 53 | 12 47 | 13 16 | 13 4 | 16 16 | 5 55 |
| S 28 | 4 43 | 7 54 | 1 32 | 2 8 | 1 58 | 10 47 | 1 3 | 14 38 | 0 17 | 20 20 | 0 52 | 22 35 | 0 31 | 19 6 | 0 13 | 10 30 | 1 55 | 24 33 | 14 53 | 12 47 | 13 17 | 13 2 | 16 15 | 5 56 |
| M29 | 5 5 | 3 8 | 2 44 | 1 17 | 1 53 | 10 23 | 1 6 | 14 52 | 0 18 | 20 20 | 0 52 | 22 35 | 0 31 | 19 5 | 0 13 | 10 29 | 1 55 | 24 34 | 14 52 | 12 48 | 13 18 | 13 1 | 16 15 | 5 56 |
| T 30 | 5 28 | 1s47 | 3 46 | 0 26 | 1 47 | 9 59 | 1 8 | 15 6 | 0 18 | 20 19 | 0 52 | 22 35 | 0 31 | 19 5 | 0 13 | 10 28 | 1 55 | 24 34 | 14 52 | 12 50 | 13 19 | 13 0 | 16 14 | 5 57 |
| W31 | 5n51 | 6s32 | 4n31 | 0n27 | 1s40 | 9s34 | 1s11 | 15n20 | 0n19 | 20s19 | 0n52 | 22n35 | 0n31 | 19s 5 | 0n13 | 10s28 | 1n55 | 24n34 | 14n52 | 12n52 | 13n20 | 12s58 | 16s13 | 5n57 |

Julian Day Number = 2077235.5, Delta T = 26m31s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'26, Lahiri = 9°34'26 Julian Calendar 1 March 975 == Greg. Calendar 6 March 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## APRIL 975 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 55 34 | 15♈44'44 | 12♏ 4 | 6♈55 | 9♓32 | 11♉ 8 | 4°R32 | 20♋ 4 | 25°R38 | 2°R 5 | 2°R 8 | 26°R 0 | 24♌43 | 26♒20 | 19♑44 | T 1 |
| F 2 | 12 59 31 | 16°43'09 | 25°56 | 8°55 | 10°43 | 11°50 | 4♐29 | 20° 6 | 25♏37 | 2♏ 4 | 2♍ 6 | 25♌52 | 24°40 | 26°27 | 19°45 | F 2 |
| S 3 | 13 3 27 | 17°41'33 | 9♐23 | 10°56 | 11°55 | 12°31 | 4°26 | 20° 7 | 25°35 | 2° 2 | 2° 5 | 25°45 | 24°36 | 26°33 | 19°46 | S 3 |
| S 4 | 13 7 24 | 18°39'55 | 22°23 | 12°59 | 13° 6 | 13°13 | 4°22 | 20° 9 | 25°33 | 2° 0 | 2° 4 | 25°40 | 24°33 | 26°40 | 19°48 | S 4 |
| M 5 | 13 11 20 | 19°38'15 | 4♑59 | 15° 3 | 14°18 | 13°54 | 4°19 | 20°11 | 25°31 | 1°59 | 2° 3 | 25°37 | 24°30 | 26°47 | 19°49 | M 5 |
| T 6 | 13 15 17 | 20°36'34 | 17°15 | 17° 9 | 15°29 | 14°36 | 4°16 | 20°13 | 25°29 | 1°57 | 2° 3 | 25°D36 | 24°27 | 26°53 | 19°50 | T 6 |
| W 7 | 13 19 14 | 21°34'52 | 29°17 | 19°15 | 16°41 | 15°17 | 4°12 | 20°15 | 25°27 | 1°56 | 2° 2 | 25°36 | 24°24 | 27° 0 | 19°51 | W 7 |
| T 8 | 13 23 10 | 22°33'07 | 11♒ 8 | 21°23 | 17°52 | 15°59 | 4° 8 | 20°18 | 25°26 | 1°54 | 2° 1 | 25°37 | 24°20 | 27° 7 | 19°52 | T 8 |
| F 9 | 13 27 7 | 23°31'21 | 22°55 | 23°31 | 19° 4 | 16°40 | 4° 4 | 20°20 | 25°24 | 1°52 | 2° 0 | 25°R38 | 24°17 | 27°13 | 19°53 | F 9 |
| S 10 | 13 31 3 | 24°29'34 | 4♓43 | 25°40 | 20°15 | 17°22 | 4° 0 | 20°23 | 25°22 | 1°51 | 1°59 | 25°37 | 24°14 | 27°20 | 19°54 | S 10 |
| S 11 | 13 35 0 | 25°27'45 | 16°36 | 27°49 | 21°27 | 18° 3 | 3°55 | 20°25 | 25°20 | 1°49 | 1°58 | 25°35 | 24°11 | 27°26 | 19°55 | S 11 |
| M12 | 13 38 56 | 26°25'54 | 28°37 | 29°59 | 22°39 | 18°44 | 3°51 | 20°28 | 25°18 | 1°48 | 1°57 | 25°30 | 24° 8 | 27°33 | 19°55 | M12 |
| T 13 | 13 42 53 | 27°24'01 | 10♈50 | 2♉ 8 | 23°50 | 19°25 | 3°46 | 20°31 | 25°15 | 1°46 | 1°57 | 25°23 | 24° 5 | 27°40 | 19°56 | T 13 |
| W14 | 13 46 49 | 28°22'07 | 23°16 | 4°17 | 25° 2 | 20° 6 | 3°41 | 20°34 | 25°13 | 1°44 | 1°56 | 25°14 | 24° 1 | 27°46 | 19°57 | W14 |
| T 15 | 13 50 46 | 29°20'12 | 5♉57 | 6°25 | 26°14 | 20°48 | 3°36 | 20°37 | 25°11 | 1°43 | 1°55 | 25° 3 | 23°58 | 27°53 | 19°57 | T 15 |
| F 16 | 13 54 43 | 0♉18'14 | 18°51 | 8°33 | 27°25 | 21°29 | 3°31 | 20°40 | 25° 9 | 1°41 | 1°54 | 24°51 | 23°55 | 28° 0 | 19°57 | F 16 |
| S 17 | 13 58 39 | 1°16'15 | 1♊59 | 10°39 | 28°37 | 22°10 | 3°26 | 20°43 | 25° 7 | 1°39 | 1°54 | 24°41 | 23°52 | 28° 6 | 19°58 | S 17 |
| S 18 | 14 2 36 | 2°14'14 | 15°19 | 12°43 | 29°49 | 22°51 | 3°20 | 20°46 | 25° 5 | 1°38 | 1°53 | 24°31 | 23°49 | 28°13 | 19°58 | S 18 |
| M19 | 14 6 32 | 3°12'12 | 28°50 | 14°46 | 1♈ 1 | 23°32 | 3°15 | 20°49 | 25° 3 | 1°36 | 1°53 | 24°25 | 23°46 | 28°20 | 19°58 | M19 |
| T 20 | 14 10 29 | 4°10'07 | 12♋31 | 16°47 | 2°13 | 24°13 | 3° 9 | 20°53 | 25° 0 | 1°35 | 1°52 | 24°21 | 23°42 | 28°26 | 19°58 | T 20 |
| W21 | 14 14 25 | 5° 8'01 | 26°22 | 18°45 | 3°24 | 24°54 | 3° 3 | 20°56 | 24°58 | 1°33 | 1°52 | 24°19 | 23°39 | 28°33 | 19°R58 | W21 |
| T 22 | 14 18 22 | 6° 5'53 | 10♌23 | 20°41 | 4°36 | 25°34 | 2°57 | 21° 0 | 24°56 | 1°31 | 1°51 | 24°D19 | 23°36 | 28°40 | 19°58 | T 22 |
| F 23 | 14 22 18 | 7° 3'43 | 24°32 | 22°34 | 5°48 | 26°15 | 2°51 | 21° 4 | 24°53 | 1°30 | 1°51 | 24°R19 | 23°33 | 28°46 | 19°58 | F 23 |
| S 24 | 14 26 15 | 8° 1'31 | 8♍50 | 24°24 | 7° 0 | 26°56 | 2°45 | 21° 8 | 24°51 | 1°28 | 1°50 | 24°18 | 23°30 | 28°53 | 19°58 | S 24 |
| S 25 | 14 30 12 | 8°59'17 | 23°14 | 26°12 | 8°12 | 27°37 | 2°39 | 21°11 | 24°49 | 1°26 | 1°50 | 24°16 | 23°26 | 28°59 | 19°58 | S 25 |
| M26 | 14 34 8 | 9°57'02 | 7♎40 | 27°56 | 9°24 | 28°17 | 2°32 | 21°15 | 24°46 | 1°25 | 1°49 | 24°10 | 23°23 | 29° 6 | 19°58 | M26 |
| T 27 | 14 38 5 | 10°54'44 | 22° 3 | 29°37 | 10°36 | 28°58 | 2°26 | 21°20 | 24°44 | 1°23 | 1°49 | 24° 3 | 23°20 | 29°13 | 19°57 | T 27 |
| W28 | 14 42 1 | 11°52'26 | 6♏18 | 1♊15 | 11°48 | 29°39 | 2°19 | 21°24 | 24°42 | 1°22 | 1°49 | 23°52 | 23°17 | 29°19 | 19°57 | W28 |
| T 29 | 14 45 58 | 12°50'06 | 20°19 | 2°49 | 13° 0 | 0♊19 | 2°12 | 21°28 | 24°39 | 1°20 | 1°48 | 23°41 | 23°14 | 29°26 | 19°56 | T 29 |
| F 30 | 14 49 54 | 13♉47'45 | 4♐ 1 | 4♊21 | 14♈12 | 1♊ 0 | 2♐ 5 | 21♋32 | 24♏37 | 1♏18 | 1♍48 | 23♌29 | 23♌11 | 29♒33 | 19♑56 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n14 | 10s48 | 4n59 | 1n20 | 1s33 | 9s10 | 1s13 | 15n34 | 0n20 | 20s18 | 0n52 | 22n34 | 0n31 | 19s 4 | 0n13 | 10s27 | 1n56 | 24n34 | 14n52 | 12n55 | 13n21 | 12s57 | 16s13 | 5n58 |
| F 2 | 6 36 | 14 22 | 5 8 | 2 14 | 1 26 | 8 45 | 1 15 | 15 47 | 0 20 | 20 18 | 0 52 | 22 34 | 0 31 | 19 4 | 0 13 | 10 27 | 1 56 | 24 34 | 14 51 | 12 58 | 13 22 | 12 55 | 16 12 | 5 58 |
| S 3 | 6 59 | 17 3 | 4 59 | 3 9 | 1 18 | 8 19 | 1 17 | 16 1 | 0 21 | 20 17 | 0 52 | 22 34 | 0 31 | 19 3 | 0 13 | 10 26 | 1 56 | 24 34 | 14 51 | 13 0 | 13 23 | 12 54 | 16 11 | 5 59 |
| S 4 | 7 21 | 18 46 | 4 35 | 4 5 | 1 10 | 7 54 | 1 19 | 16 14 | 0 21 | 20 17 | 0 52 | 22 34 | 0 31 | 19 3 | 0 13 | 10 26 | 1 56 | 24 35 | 14 51 | 13 2 | 13 25 | 12 52 | 16 11 | 5 59 |
| M 5 | 7 43 | 19 30 | 3 58 | 5 1 | 1 1 | 7 28 | 1 21 | 16 27 | 0 22 | 20 16 | 0 52 | 22 34 | 0 31 | 19 3 | 0 13 | 10 25 | 1 56 | 24 35 | 14 51 | 13 3 | 13 26 | 12 51 | 16 10 | 6 0 |
| T 6 | 8 5 | 19 17 | 3 11 | 5 58 | 0 52 | 7 2 | 1 23 | 16 40 | 0 22 | 20 15 | 0 52 | 22 33 | 0 31 | 19 2 | 0 13 | 10 25 | 1 56 | 24 35 | 14 50 | 13 3 | 13 27 | 12 49 | 16 9 | 6 0 |
| W 7 | 8 27 | 18 11 | 2 17 | 6 56 | 0 42 | 6 35 | 1 25 | 16 53 | 0 23 | 20 14 | 0 52 | 22 33 | 0 31 | 19 2 | 0 13 | 10 24 | 1 56 | 24 35 | 14 50 | 13 3 | 13 28 | 12 48 | 16 9 | 6 1 |
| T 8 | 8 49 | 16 17 | 1 17 | 7 53 | 0 32 | 6 9 | 1 27 | 17 5 | 0 24 | 20 14 | 0 52 | 22 33 | 0 31 | 19 1 | 0 13 | 10 23 | 1 56 | 24 35 | 14 50 | 13 3 | 13 29 | 12 47 | 16 8 | 6 1 |
| F 9 | 9 11 | 13 43 | 0 15 | 8 50 | 0 22 | 5 42 | 1 28 | 17 18 | 0 24 | 20 13 | 0 52 | 22 32 | 0 31 | 19 1 | 0 13 | 10 23 | 1 56 | 24 35 | 14 49 | 13 3 | 13 30 | 12 45 | 16 7 | 6 2 |
| S 10 | 9 33 | 10 35 | 0s49 | 9 47 | 0 12 | 5 15 | 1 30 | 17 30 | 0 25 | 20 12 | 0 52 | 22 32 | 0 31 | 19 0 | 0 13 | 10 22 | 1 56 | 24 35 | 14 49 | 13 3 | 13 31 | 12 44 | 16 7 | 6 2 |
| S 11 | 9 54 | 7 0 | 1 50 | 10 44 | 0 1 | 4 48 | 1 31 | 17 42 | 0 25 | 20 11 | 0 52 | 22 32 | 0 31 | 19 0 | 0 13 | 10 22 | 1 56 | 24 35 | 14 49 | 13 4 | 13 32 | 12 42 | 16 6 | 6 3 |
| M12 | 10 15 | 3 6 | 2 47 | 11 40 | 0n 9 | 4 21 | 1 33 | 17 54 | 0 26 | 20 10 | 0 52 | 22 31 | 0 32 | 18 59 | 0 13 | 10 21 | 1 56 | 24 35 | 14 49 | 13 5 | 13 33 | 12 41 | 16 6 | 6 3 |
| T 13 | 10 36 | 0n59 | 3 37 | 12 36 | 0 20 | 3 54 | 1 34 | 18 6 | 0 26 | 20 10 | 0 52 | 22 31 | 0 32 | 18 59 | 0 13 | 10 21 | 1 56 | 24 35 | 14 48 | 13 8 | 13 34 | 12 39 | 16 5 | 6 4 |
| W14 | 10 57 | 5 6 | 4 18 | 13 30 | 0 31 | 3 26 | 1 35 | 18 18 | 0 27 | 20 9 | 0 52 | 22 30 | 0 32 | 18 58 | 0 13 | 10 20 | 1 56 | 24 35 | 14 48 | 13 11 | 13 35 | 12 38 | 16 4 | 6 4 |
| T 15 | 11 18 | 9 4 | 4 47 | 14 23 | 0 41 | 2 59 | 1 36 | 18 30 | 0 28 | 20 8 | 0 52 | 22 30 | 0 32 | 18 58 | 0 12 | 10 20 | 1 56 | 24 35 | 14 48 | 13 15 | 13 36 | 12 36 | 16 4 | 6 5 |
| F 16 | 11 38 | 12 41 | 5 1 | 15 15 | 0 52 | 2 31 | 1 38 | 18 41 | 0 28 | 20 7 | 0 52 | 22 30 | 0 32 | 18 57 | 0 12 | 10 19 | 1 56 | 24 35 | 14 47 | 13 18 | 13 37 | 12 35 | 16 3 | 6 5 |
| S 17 | 11 59 | 15 46 | 5 1 | 16 4 | 1 2 | 2 3 | 1 39 | 18 52 | 0 29 | 20 6 | 0 52 | 22 29 | 0 32 | 18 57 | 0 12 | 10 18 | 1 56 | 24 35 | 14 47 | 13 22 | 13 38 | 12 33 | 16 3 | 6 6 |
| S 18 | 12 19 | 18 3 | 4 44 | 16 53 | 1 12 | 1 36 | 1 39 | 19 3 | 0 29 | 20 5 | 0 52 | 22 29 | 0 32 | 18 56 | 0 12 | 10 18 | 1 56 | 24 35 | 14 47 | 13 25 | 13 39 | 12 32 | 16 2 | 6 6 |
| M19 | 12 39 | 19 23 | 4 11 | 17 39 | 1 21 | 1 8 | 1 40 | 19 14 | 0 30 | 20 4 | 0 52 | 22 28 | 0 32 | 18 56 | 0 12 | 10 17 | 1 56 | 24 35 | 14 46 | 13 27 | 13 40 | 12 30 | 16 2 | 6 7 |
| T 20 | 12 59 | 19 37 | 3 23 | 18 22 | 1 30 | 0 40 | 1 41 | 19 25 | 0 30 | 20 3 | 0 52 | 22 28 | 0 32 | 18 55 | 0 12 | 10 17 | 1 56 | 24 35 | 14 46 | 13 29 | 13 41 | 12 29 | 16 1 | 6 7 |
| W21 | 13 18 | 18 39 | 2 23 | 19 4 | 1 38 | 0 12 | 1 42 | 19 35 | 0 31 | 20 2 | 0 52 | 22 27 | 0 32 | 18 55 | 0 12 | 10 16 | 1 56 | 24 34 | 14 45 | 13 29 | 13 43 | 12 27 | 16 1 | 6 8 |
| T 22 | 13 38 | 16 33 | 1 13 | 19 43 | 1 46 | 0n17 | 1 42 | 19 46 | 0 31 | 20 0 | 0 52 | 22 27 | 0 32 | 18 54 | 0 12 | 10 16 | 1 56 | 24 34 | 14 45 | 13 29 | 13 44 | 12 26 | 16 0 | 6 8 |
| F 23 | 13 57 | 13 26 | 0n 1 | 20 20 | 1 53 | 0 45 | 1 43 | 19 56 | 0 32 | 19 59 | 0 52 | 22 26 | 0 32 | 18 54 | 0 12 | 10 15 | 1 56 | 24 34 | 14 45 | 13 29 | 13 45 | 12 24 | 16 0 | 6 8 |
| S 24 | 14 16 | 9 29 | 1 16 | 20 54 | 2 0 | 1 13 | 1 43 | 20 6 | 0 32 | 19 58 | 0 52 | 22 26 | 0 32 | 18 53 | 0 12 | 10 14 | 1 56 | 24 34 | 14 44 | 13 30 | 13 46 | 12 23 | 15 59 | 6 9 |
| S 25 | 14 34 | 4 57 | 2 27 | 21 26 | 2 5 | 1 41 | 1 44 | 20 16 | 0 33 | 19 57 | 0 52 | 22 25 | 0 32 | 18 52 | 0 12 | 10 14 | 1 56 | 24 34 | 14 44 | 13 30 | 13 47 | 12 21 | 15 59 | 6 9 |
| M26 | 14 53 | 0 8 | 3 28 | 21 55 | 2 10 | 2 9 | 1 44 | 20 26 | 0 33 | 19 56 | 0 52 | 22 24 | 0 32 | 18 52 | 0 12 | 10 13 | 1 56 | 24 34 | 14 44 | 13 32 | 13 48 | 12 20 | 15 59 | 6 10 |
| T 27 | 15 11 | 4s40 | 4 16 | 22 22 | 2 15 | 2 37 | 1 44 | 20 35 | 0 34 | 19 54 | 0 52 | 22 24 | 0 32 | 18 51 | 0 12 | 10 13 | 1 56 | 24 33 | 14 43 | 13 35 | 13 49 | 12 18 | 15 58 | 6 10 |
| W28 | 15 29 | 9 10 | 4 47 | 22 46 | 2 18 | 3 6 | 1 44 | 20 45 | 0 34 | 19 53 | 0 52 | 22 23 | 0 32 | 18 51 | 0 12 | 10 12 | 1 56 | 24 33 | 14 43 | 13 38 | 13 50 | 12 17 | 15 58 | 6 11 |
| T 29 | 15 47 | 13 5 | 5 1 | 23 8 | 2 21 | 3 34 | 1 44 | 20 54 | 0 35 | 19 52 | 0 52 | 22 23 | 0 32 | 18 50 | 0 12 | 10 12 | 1 56 | 24 33 | 14 43 | 13 42 | 13 51 | 12 15 | 15 57 | 6 11 |
| F 30 | 16n 4 | 16s13 | 4n56 | 23n28 | 2n23 | 4n 2 | 1s44 | 21n 3 | 0n35 | 19s51 | 0n52 | 22n22 | 0n32 | 18s50 | 0n12 | 10s11 | 1n56 | 24n33 | 14n42 | 13n46 | 13n52 | 12s14 | 15s57 | 6n12 |

Julian Day Number = 2077266.5, Delta T = 26m30s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'30, Lahiri = 9°34'30 Julian Calendar 1 Apr. 975 == Greg. Calendar 6 Apr. 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## MAY 975 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 53 51 | 14♉45'22 | 17♐22 | 5♊49 | 15♈24 | 1♊40 | 1°R58 | 21♋37 | 24°R34 | 1°R17 | 1°R48 | 23°R19 | 23♌ 7 | 29♒39 | 19°R55 | S 1 |
| S 2 | 14 57 47 | 15°42'59 | 0♑20 | 7°13 | 16°36 | 2°21 | 1♐52 | 21°41 | 24♏32 | 1♏15 | 1♍48 | 23♌10 | 23° 4 | 29°46 | 19♑54 | S 2 |
| M 3 | 15 1 44 | 16°40'34 | 12°56 | 8°34 | 17°48 | 3° 1 | 1°44 | 21°46 | 24°30 | 1°14 | 1°47 | 23° 4 | 23° 1 | 29°53 | 19°53 | M 3 |
| T 4 | 15 5 41 | 17°38'08 | 25°13 | 9°51 | 19° 1 | 3°42 | 1°37 | 21°50 | 24°27 | 1°12 | 1°47 | 23° 1 | 22°58 | 29°59 | 19°52 | T 4 |
| W 5 | 15 9 37 | 18°35'42 | 7♒15 | 11° 5 | 20°13 | 4°22 | 1°30 | 21°55 | 24°25 | 1°11 | 1°47 | 22°59 | 22°55 | 0♓ 6 | 19°52 | W 5 |
| T 6 | 15 13 34 | 19°33'14 | 19° 8 | 12°16 | 21°25 | 5° 2 | 1°23 | 22° 0 | 24°22 | 1° 9 | 1°47 | 22°59 | 22°52 | 0°13 | 19°50 | T 6 |
| F 7 | 15 17 30 | 20°30'46 | 0♓56 | 13°22 | 22°37 | 5°43 | 1°15 | 22° 5 | 24°20 | 1° 8 | 1°47 | 22°59 | 22°48 | 0°19 | 19°49 | F 7 |
| S 8 | 15 21 27 | 21°28'16 | 12°46 | 14°25 | 23°49 | 6°23 | 1° 8 | 22°10 | 24°17 | 1° 6 | 1°D47 | 22°58 | 22°45 | 0°26 | 19°48 | S 8 |
| S 9 | 15 25 23 | 22°25'46 | 24°41 | 15°24 | 25° 2 | 7° 3 | 1° 1 | 22°15 | 24°15 | 1° 5 | 1°47 | 22°55 | 22°42 | 0°33 | 19°47 | S 9 |
| M10 | 15 29 20 | 23°23'14 | 6♈48 | 16°19 | 26°14 | 7°43 | 0°53 | 22°20 | 24°12 | 1° 3 | 1°47 | 22°50 | 22°39 | 0°39 | 19°46 | M10 |
| T 11 | 15 33 16 | 24°20'42 | 19°10 | 17°10 | 27°26 | 8°24 | 0°46 | 22°25 | 24°10 | 1° 2 | 1°47 | 22°42 | 22°36 | 0°46 | 19°44 | T 11 |
| W12 | 15 37 13 | 25°18'09 | 1♉49 | 17°57 | 28°39 | 9° 4 | 0°38 | 22°30 | 24° 7 | 1° 0 | 1°47 | 22°32 | 22°32 | 0°52 | 19°43 | W12 |
| T 13 | 15 41 9 | 26°15'35 | 14°46 | 18°41 | 29°51 | 9°44 | 0°30 | 22°36 | 24° 5 | 0°59 | 1°47 | 22°20 | 22°29 | 0°59 | 19°41 | T 13 |
| F 14 | 15 45 6 | 27°13'01 | 28° 1 | 19°19 | 1♉ 3 | 10°24 | 0°23 | 22°41 | 24° 2 | 0°57 | 1°47 | 22° 7 | 22°26 | 1° 6 | 19°40 | F 14 |
| S 15 | 15 49 3 | 28°10'25 | 11♊31 | 19°54 | 2°16 | 11° 4 | 0°15 | 22°47 | 24° 0 | 0°56 | 1°48 | 21°55 | 22°23 | 1°12 | 19°38 | S 15 |
| S 16 | 15 52 59 | 29° 7'48 | 25°15 | 20°24 | 3°28 | 11°44 | 0° 8 | 22°52 | 23°57 | 0°55 | 1°48 | 21°45 | 22°20 | 1°19 | 19°37 | S 16 |
| M17 | 15 56 56 | 0♊ 5'11 | 9♋ 9 | 20°50 | 4°40 | 12°24 | 29♏59 | 22°58 | 23°55 | 0°53 | 1°48 | 21°37 | 22°17 | 1°26 | 19°35 | M17 |
| T 18 | 16 0 52 | 1° 2'32 | 23°10 | 21°12 | 5°53 | 13° 4 | 29°52 | 23° 3 | 23°52 | 0°52 | 1°48 | 21°33 | 22°13 | 1°32 | 19°33 | T 18 |
| W19 | 16 4 49 | 1°59'52 | 7♌14 | 21°28 | 7° 5 | 13°44 | 29°45 | 23° 9 | 23°50 | 0°50 | 1°49 | 21°30 | 22°10 | 1°39 | 19°31 | W19 |
| T 20 | 16 8 45 | 2°57'12 | 21°21 | 21°41 | 8°18 | 14°23 | 29°37 | 23°15 | 23°48 | 0°49 | 1°49 | 21°D30 | 22° 7 | 1°46 | 19°29 | T 20 |
| F 21 | 16 12 42 | 3°54'30 | 5♍28 | 21°48 | 9°30 | 15° 3 | 29°29 | 23°21 | 23°45 | 0°48 | 1°50 | 21°R30 | 22° 4 | 1°52 | 19°27 | F 21 |
| S 22 | 16 16 39 | 4°51'47 | 19°36 | 21°R51 | 10°43 | 15°43 | 29°22 | 23°27 | 23°43 | 0°47 | 1°50 | 21°29 | 22° 1 | 1°59 | 19°25 | S 22 |
| S 23 | 16 20 35 | 5°49'02 | 3♎42 | 21°50 | 11°55 | 16°23 | 29°14 | 23°33 | 23°40 | 0°45 | 1°50 | 21°27 | 21°57 | 2° 6 | 19°23 | S 23 |
| M24 | 16 24 32 | 6°46'17 | 17°46 | 21°44 | 13° 8 | 17° 3 | 29° 7 | 23°39 | 23°38 | 0°44 | 1°51 | 21°22 | 21°54 | 2°12 | 19°21 | M24 |
| T 25 | 16 28 28 | 7°43'32 | 1♏44 | 21°34 | 14°20 | 17°42 | 28°59 | 23°45 | 23°35 | 0°43 | 1°51 | 21°14 | 21°51 | 2°19 | 19°19 | T 25 |
| W26 | 16 32 25 | 8°40'45 | 15°33 | 21°20 | 15°33 | 18°22 | 28°52 | 23°51 | 23°33 | 0°42 | 1°52 | 21° 5 | 21°48 | 2°26 | 19°16 | W26 |
| T 27 | 16 36 21 | 9°37'58 | 29°10 | 21° 1 | 16°46 | 19° 2 | 28°44 | 23°57 | 23°31 | 0°40 | 1°52 | 20°54 | 21°45 | 2°32 | 19°14 | T 27 |
| F 28 | 16 40 18 | 10°35'10 | 12♐33 | 20°39 | 17°58 | 19°41 | 28°37 | 24° 3 | 23°28 | 0°39 | 1°53 | 20°42 | 21°42 | 2°39 | 19°12 | F 28 |
| S 29 | 16 44 14 | 11°32'22 | 25°38 | 20°14 | 19°11 | 20°21 | 28°30 | 24°10 | 23°26 | 0°38 | 1°54 | 20°32 | 21°38 | 2°45 | 19° 9 | S 29 |
| S 30 | 16 48 11 | 12°29'33 | 8♑25 | 19°46 | 20°23 | 21° 0 | 28°22 | 24°16 | 23°24 | 0°37 | 1°54 | 20°24 | 21°35 | 2°52 | 19° 7 | S 30 |
| M31 | 16 52 8 | 13♊26'44 | 20♑54 | 19♊16 | 21♉36 | 21♊40 | 28♏15 | 24♋23 | 23♏22 | 0♏36 | 1♍55 | 20♌18 | 21♌32 | 2♓59 | 19♑ 4 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n21 | 18s24 | 4n36 | 23n45 | 2n23 | 4n30 | 1s44 | 21n12 | 0n36 | 19s49 | 0n52 | 22n21 | 0n32 | 18s49 | 0n12 | 10s11 | 1n56 | 24n32 | 14n42 | 13n49 | 13n53 | 12s12 | 15s57 | 6n12 |
| S 2 | 16 38 | 19 33 | 4 1 | 24 0 | 2 24 | 4 58 | 1 44 | 21 20 | 0 36 | 19 48 | 0 52 | 22 21 | 0 32 | 18 48 | 0 12 | 10 10 | 1 56 | 24 32 | 14 41 | 13 52 | 13 54 | 12 11 | 15 56 | 6 13 |
| M 3 | 16 55 | 19 42 | 3 15 | 24 12 | 2 23 | 5 26 | 1 44 | 21 29 | 0 37 | 19 47 | 0 52 | 22 20 | 0 32 | 18 48 | 0 12 | 10 10 | 1 56 | 24 32 | 14 41 | 13 54 | 13 55 | 12 9 | 15 56 | 6 13 |
| T 4 | 17 11 | 18 53 | 2 22 | 24 23 | 2 21 | 5 54 | 1 43 | 21 37 | 0 37 | 19 45 | 0 52 | 22 19 | 0 32 | 18 47 | 0 12 | 10 9 | 1 56 | 24 32 | 14 41 | 13 55 | 13 56 | 12 8 | 15 56 | 6 14 |
| W 5 | 17 27 | 17 14 | 1 22 | 24 31 | 2 19 | 6 21 | 1 43 | 21 45 | 0 38 | 19 44 | 0 52 | 22 18 | 0 32 | 18 47 | 0 12 | 10 9 | 1 56 | 24 31 | 14 40 | 13 56 | 13 57 | 12 6 | 15 55 | 6 14 |
| T 6 | 17 43 | 14 51 | 0 20 | 24 38 | 2 16 | 6 49 | 1 42 | 21 53 | 0 38 | 19 42 | 0 52 | 22 18 | 0 32 | 18 46 | 0 12 | 10 8 | 1 55 | 24 31 | 14 40 | 13 56 | 13 58 | 12 5 | 15 55 | 6 15 |
| F 7 | 17 59 | 11 51 | 0s42 | 24 42 | 2 12 | 7 16 | 1 42 | 22 0 | 0 39 | 19 41 | 0 52 | 22 17 | 0 32 | 18 45 | 0 12 | 10 8 | 1 55 | 24 31 | 14 39 | 13 56 | 13 59 | 12 3 | 15 55 | 6 15 |
| S 8 | 18 14 | 8 23 | 1 43 | 24 45 | 2 7 | 7 44 | 1 41 | 22 8 | 0 39 | 19 40 | 0 51 | 22 16 | 0 33 | 18 45 | 0 12 | 10 7 | 1 55 | 24 30 | 14 39 | 13 56 | 14 0 | 12 1 | 15 54 | 6 16 |
| S 9 | 18 29 | 4 34 | 2 40 | 24 46 | 2 1 | 8 11 | 1 40 | 22 15 | 0 40 | 19 38 | 0 51 | 22 15 | 0 33 | 18 44 | 0 12 | 10 7 | 1 55 | 24 30 | 14 39 | 13 57 | 14 1 | 12 0 | 15 54 | 6 16 |
| M10 | 18 43 | 0 30 | 3 30 | 24 45 | 1 54 | 8 38 | 1 40 | 22 22 | 0 40 | 19 37 | 0 51 | 22 15 | 0 33 | 18 44 | 0 12 | 10 6 | 1 55 | 24 29 | 14 38 | 13 59 | 14 2 | 11 58 | 15 54 | 6 16 |
| T 11 | 18 58 | 3n40 | 4 11 | 24 43 | 1 46 | 9 5 | 1 39 | 22 29 | 0 40 | 19 35 | 0 51 | 22 14 | 0 33 | 18 43 | 0 12 | 10 6 | 1 55 | 24 29 | 14 38 | 14 1 | 14 3 | 11 57 | 15 54 | 6 17 |
| W12 | 19 12 | 7 46 | 4 42 | 24 39 | 1 38 | 9 32 | 1 38 | 22 36 | 0 41 | 19 34 | 0 51 | 22 13 | 0 33 | 18 42 | 0 12 | 10 5 | 1 55 | 24 29 | 14 38 | 14 5 | 14 5 | 11 55 | 15 53 | 6 17 |
| T 13 | 19 25 | 11 36 | 4 58 | 24 33 | 1 29 | 9 58 | 1 37 | 22 43 | 0 41 | 19 32 | 0 51 | 22 12 | 0 33 | 18 42 | 0 12 | 10 5 | 1 55 | 24 28 | 14 37 | 14 9 | 14 6 | 11 54 | 15 53 | 6 18 |
| F 14 | 19 39 | 14 58 | 4 59 | 24 26 | 1 18 | 10 24 | 1 36 | 22 49 | 0 42 | 19 31 | 0 51 | 22 11 | 0 33 | 18 41 | 0 12 | 10 4 | 1 55 | 24 28 | 14 37 | 14 13 | 14 7 | 11 52 | 15 53 | 6 18 |
| S 15 | 19 52 | 17 36 | 4 44 | 24 18 | 1 7 | 10 50 | 1 35 | 22 55 | 0 42 | 19 29 | 0 51 | 22 10 | 0 33 | 18 41 | 0 12 | 10 4 | 1 55 | 24 27 | 14 36 | 14 17 | 14 8 | 11 51 | 15 53 | 6 19 |
| S 16 | 20 4 | 19 18 | 4 11 | 24 9 | 0 56 | 11 16 | 1 34 | 23 1 | 0 43 | 19 28 | 0 51 | 22 10 | 0 33 | 18 40 | 0 12 | 10 3 | 1 55 | 24 27 | 14 36 | 14 20 | 14 9 | 11 49 | 15 53 | 6 19 |
| M17 | 20 17 | 19 51 | 3 24 | 23 58 | 0 43 | 11 42 | 1 32 | 23 7 | 0 43 | 19 26 | 0 51 | 22 9 | 0 33 | 18 39 | 0 12 | 10 3 | 1 55 | 24 27 | 14 36 | 14 22 | 14 10 | 11 47 | 15 52 | 6 19 |
| T 18 | 20 29 | 19 12 | 2 24 | 23 46 | 0 30 | 12 7 | 1 31 | 23 13 | 0 43 | 19 25 | 0 50 | 22 8 | 0 33 | 18 39 | 0 12 | 10 2 | 1 55 | 24 26 | 14 35 | 14 24 | 14 11 | 11 46 | 15 52 | 6 20 |
| W19 | 20 40 | 17 21 | 1 15 | 23 34 | 0 16 | 12 32 | 1 30 | 23 18 | 0 44 | 19 23 | 0 50 | 22 7 | 0 33 | 18 38 | 0 12 | 10 2 | 1 55 | 24 26 | 14 35 | 14 25 | 14 12 | 11 44 | 15 52 | 6 20 |
| T 20 | 20 52 | 14 27 | 0 1 | 23 20 | 0 1 | 12 57 | 1 28 | 23 23 | 0 44 | 19 22 | 0 50 | 22 6 | 0 33 | 18 38 | 0 12 | 10 1 | 1 55 | 24 25 | 14 34 | 14 25 | 14 13 | 11 43 | 15 52 | 6 21 |
| F 21 | 21 3 | 10 42 | 1n13 | 23 5 | 0s14 | 13 22 | 1 27 | 23 28 | 0 45 | 19 20 | 0 50 | 22 5 | 0 33 | 18 37 | 0 12 | 10 1 | 1 55 | 24 25 | 14 34 | 14 25 | 14 14 | 11 41 | 15 52 | 6 21 |
| S 22 | 21 13 | 6 20 | 2 23 | 22 50 | 0 29 | 13 46 | 1 25 | 23 33 | 0 45 | 19 19 | 0 50 | 22 4 | 0 33 | 18 36 | 0 12 | 10 1 | 1 55 | 24 24 | 14 34 | 14 25 | 14 15 | 11 40 | 15 52 | 6 21 |
| S 23 | 21 24 | 1 38 | 3 24 | 22 34 | 0 46 | 14 10 | 1 24 | 23 37 | 0 46 | 19 17 | 0 50 | 22 3 | 0 33 | 18 36 | 0 12 | 10 0 | 1 55 | 24 24 | 14 33 | 14 26 | 14 16 | 11 38 | 15 52 | 6 22 |
| M24 | 21 34 | 3s 7 | 4 12 | 22 17 | 1 2 | 14 34 | 1 22 | 23 42 | 0 46 | 19 16 | 0 50 | 22 2 | 0 33 | 18 35 | 0 12 | 10 0 | 1 55 | 24 23 | 14 33 | 14 27 | 14 17 | 11 36 | 15 52 | 6 22 |
| T 25 | 21 43 | 7 41 | 4 45 | 21 59 | 1 19 | 14 57 | 1 20 | 23 46 | 0 46 | 19 14 | 0 49 | 22 1 | 0 33 | 18 35 | 0 12 | 9 59 | 1 55 | 24 22 | 14 32 | 14 30 | 14 18 | 11 35 | 15 52 | 6 22 |
| W26 | 21 52 | 11 47 | 5 1 | 21 42 | 1 36 | 15 20 | 1 19 | 23 50 | 0 47 | 19 13 | 0 49 | 22 0 | 0 33 | 18 34 | 0 12 | 9 59 | 1 55 | 24 22 | 14 32 | 14 33 | 14 19 | 11 33 | 15 51 | 6 23 |
| T 27 | 22 1 | 15 13 | 4 59 | 21 24 | 1 52 | 15 42 | 1 17 | 23 54 | 0 47 | 19 11 | 0 49 | 21 59 | 0 33 | 18 33 | 0 12 | 9 59 | 1 55 | 24 21 | 14 32 | 14 37 | 14 20 | 11 32 | 15 51 | 6 23 |
| F 28 | 22 9 | 17 47 | 4 41 | 21 6 | 2 9 | 16 5 | 1 15 | 23 57 | 0 48 | 19 10 | 0 49 | 21 58 | 0 33 | 18 33 | 0 12 | 9 58 | 1 55 | 24 21 | 14 31 | 14 40 | 14 21 | 11 30 | 15 51 | 6 24 |
| S 29 | 22 17 | 19 22 | 4 8 | 20 47 | 2 26 | 16 26 | 1 13 | 24 1 | 0 48 | 19 8 | 0 49 | 21 57 | 0 33 | 18 32 | 0 12 | 9 58 | 1 55 | 24 20 | 14 31 | 14 43 | 14 22 | 11 28 | 15 51 | 6 24 |
| S 30 | 22 25 | 19 55 | 3 23 | 20 29 | 2 42 | 16 48 | 1 11 | 24 4 | 0 48 | 19 7 | 0 49 | 21 56 | 0 34 | 18 32 | 0 12 | 9 58 | 1 55 | 24 20 | 14 30 | 14 46 | 14 23 | 11 27 | 15 51 | 6 24 |
| M31 | 22n32 | 19s28 | 2n30 | 20n12 | 2s57 | 17n 9 | 1s 9 | 24n 7 | 0n49 | 19s 5 | 0n48 | 21n55 | 0n34 | 18s31 | 0n12 | 9s57 | 1n55 | 24n19 | 14n30 | 14n48 | 14n24 | 11s25 | 15s51 | 6n25 |

Julian Day Number = 2077296.5, Delta T = 26m30s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'34, Lahiri = 9°34'34 Julian Calendar 1 May 975 == Greg. Calendar 6 May 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## JUNE 975 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 56 4 | 14♊23'55 | 3♒ 8 | 18°R43 | 22♉49 | 22♊19 | 28°R 8 | 24♋29 | 23°R19 | 0°R35 | 1♍56 | 20°R14 | 21♌29 | 3♓ 5 | 19°R 2 | T 1 |
| W 2 | 17 0 1 | 15°21'05 | 15° 9 | 18♊ 9 | 24° 2 | 22°59 | 28♏ 1 | 24°36 | 23♏17 | 0♏34 | 1°56 | 20°D13 | 21°26 | 3°12 | 18♐59 | W 2 |
| T 3 | 17 3 57 | 16°18'15 | 27° 1 | 17°35 | 25°14 | 23°38 | 27°54 | 24°42 | 23°15 | 0°33 | 1°57 | 20♌13 | 21°23 | 3°19 | 18°56 | T 3 |
| F 4 | 17 7 54 | 17°15'26 | 8♓50 | 17° 0 | 26°27 | 24°18 | 27°47 | 24°49 | 23°13 | 0°32 | 1°58 | 20°13 | 21°19 | 3°25 | 18°54 | F 4 |
| S 5 | 17 11 50 | 18°12'36 | 20°40 | 16°25 | 27°40 | 24°57 | 27°40 | 24°55 | 23°10 | 0°31 | 1°59 | 20°R14 | 21°16 | 3°32 | 18°51 | S 5 |
| S 6 | 17 15 47 | 19° 9'46 | 2♈38 | 15°51 | 28°53 | 25°36 | 27°34 | 25° 2 | 23° 8 | 0°30 | 2° 0 | 20°13 | 21°13 | 3°39 | 18°48 | S 6 |
| M 7 | 17 19 43 | 20° 6'56 | 14°47 | 15°19 | 0♊ 6 | 26°16 | 27°27 | 25° 9 | 23° 6 | 0°29 | 2° 1 | 20°10 | 21°10 | 3°45 | 18°45 | M 7 |
| T 8 | 17 23 40 | 21° 4'06 | 27°13 | 14°49 | 1°18 | 26°55 | 27°21 | 25°16 | 23° 4 | 0°28 | 2° 2 | 20° 5 | 21° 7 | 3°52 | 18°42 | T 8 |
| W 9 | 17 27 37 | 22° 1'17 | 9♉59 | 14°21 | 2°31 | 27°34 | 27°14 | 25°23 | 23° 2 | 0°27 | 2° 3 | 19°57 | 21° 3 | 3°59 | 18°39 | W 9 |
| T 10 | 17 31 33 | 22°58'27 | 23° 7 | 13°57 | 3°44 | 28°14 | 27° 8 | 25°29 | 23° 0 | 0°26 | 2° 4 | 19°49 | 21° 0 | 4° 5 | 18°36 | T 10 |
| F 11 | 17 35 30 | 23°55'38 | 6♊37 | 13°36 | 4°57 | 28°53 | 27° 2 | 25°36 | 22°58 | 0°25 | 2° 5 | 19°40 | 20°57 | 4°12 | 18°33 | F 11 |
| S 12 | 17 39 26 | 24°52'49 | 20°27 | 13°19 | 6°10 | 29°32 | 26°56 | 25°43 | 22°56 | 0°25 | 2° 6 | 19°31 | 20°54 | 4°19 | 18°30 | S 12 |
| S 13 | 17 43 23 | 25°49'59 | 4♋34 | 13° 6 | 7°23 | 0♋11 | 26°50 | 25°50 | 22°54 | 0°24 | 2° 7 | 19°23 | 20°51 | 4°25 | 18°27 | S 13 |
| M14 | 17 47 19 | 26°47'10 | 18°53 | 12°58 | 8°36 | 0°50 | 26°44 | 25°57 | 22°52 | 0°23 | 2° 8 | 19°18 | 20°48 | 4°32 | 18°24 | M14 |
| T 15 | 17 51 16 | 27°44'21 | 3♌18 | 12°D54 | 9°49 | 1°30 | 26°38 | 26° 4 | 22°50 | 0°22 | 2° 9 | 19°15 | 20°44 | 4°39 | 18°21 | T 15 |
| W16 | 17 55 12 | 28°41'31 | 17°44 | 12°55 | 11° 2 | 2° 9 | 26°33 | 26°12 | 22°48 | 0°22 | 2°10 | 19°D14 | 20°41 | 4°45 | 18°18 | W16 |
| T 17 | 17 59 9 | 29°38'41 | 2♍ 7 | 13° 1 | 12°15 | 2°48 | 26°28 | 26°19 | 22°46 | 0°21 | 2°11 | 19°14 | 20°38 | 4°52 | 18°15 | T 17 |
| F 18 | 18 3 6 | 0♋35'52 | 16°24 | 13°13 | 13°28 | 3°27 | 26°22 | 26°26 | 22°45 | 0°20 | 2°12 | 19°15 | 20°35 | 4°58 | 18°11 | F 18 |
| S 19 | 18 7 2 | 1°33'01 | 0♎33 | 13°29 | 14°42 | 4° 6 | 26°17 | 26°33 | 22°43 | 0°20 | 2°14 | 19°R16 | 20°32 | 5° 5 | 18° 8 | S 19 |
| S 20 | 18 10 59 | 2°30'11 | 14°32 | 13°51 | 15°55 | 4°45 | 26°12 | 26°40 | 22°41 | 0°19 | 2°15 | 19°15 | 20°29 | 5°12 | 18° 5 | S 20 |
| M21 | 18 14 55 | 3°27'21 | 28°21 | 14°18 | 17° 8 | 5°24 | 26° 8 | 26°48 | 22°40 | 0°19 | 2°16 | 19°13 | 20°25 | 5°18 | 18° 2 | M21 |
| T 22 | 18 18 52 | 4°24'31 | 11♏59 | 14°50 | 18°21 | 6° 3 | 26° 3 | 26°55 | 22°38 | 0°18 | 2°17 | 19° 8 | 20°22 | 5°25 | 17°58 | T 22 |
| W23 | 18 22 48 | 5°21'41 | 25°25 | 15°27 | 19°34 | 6°42 | 25°58 | 27° 2 | 22°36 | 0°18 | 2°19 | 19° 2 | 20°19 | 5°32 | 17°55 | W23 |
| T 24 | 18 26 45 | 6°18'51 | 8♐38 | 16° 9 | 20°47 | 7°21 | 25°54 | 27°10 | 22°35 | 0°17 | 2°20 | 18°55 | 20°16 | 5°38 | 17°52 | T 24 |
| F 25 | 18 30 41 | 7°16'01 | 21°37 | 16°57 | 22° 1 | 8° 0 | 25°50 | 27°17 | 22°33 | 0°17 | 2°21 | 18°48 | 20°13 | 5°45 | 17°48 | F 25 |
| S 26 | 18 34 38 | 8°13'12 | 4♑23 | 17°49 | 23°14 | 8°38 | 25°46 | 27°24 | 22°32 | 0°17 | 2°23 | 18°42 | 20° 9 | 5°52 | 17°45 | S 26 |
| S 27 | 18 38 35 | 9°10'23 | 16°54 | 18°47 | 24°27 | 9°17 | 25°42 | 27°32 | 22°30 | 0°16 | 2°24 | 18°37 | 20° 6 | 5°58 | 17°41 | S 27 |
| M28 | 18 42 31 | 10° 7'35 | 29°12 | 19°49 | 25°41 | 9°56 | 25°38 | 27°39 | 22°29 | 0°16 | 2°26 | 18°33 | 20° 3 | 6° 5 | 17°38 | M28 |
| T 29 | 18 46 28 | 11° 4'47 | 11♒18 | 20°57 | 26°54 | 10°35 | 25°35 | 27°47 | 22°28 | 0°16 | 2°27 | 18°31 | 20° 0 | 6°12 | 17°35 | T 29 |
| W30 | 18 50 24 | 12♋ 2'00 | 23♒15 | 22♊ 9 | 28♊ 7 | 11♋14 | 25♏32 | 27♋54 | 22♏26 | 0♏15 | 2♍29 | 18°D31 | 19♌57 | 6♓18 | 17♐31 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n39 | 18s 6 | 1n30 | 19n54 | 3s12 | 17n29 | 1s 7 | 24n10 | 0n49 | 19s 4 | 0n48 | 21n53 | 0n34 | 18s31 | 0n12 | 9s57 | 1n55 | 24n18 | 14n30 | 14n49 | 14n25 | 11s24 | 15s51 | 6n25 |
| W 2 | 22 46 | 15 57 | 0 27 | 19 38 | 3 25 | 17 50 | 1 5 | 24 12 | 0 50 | 19 3 | 0 48 | 21 52 | 0 34 | 18 30 | 0 12 | 9 57 | 1 55 | 24 18 | 14 29 | 14 50 | 14 26 | 11 22 | 15 52 | 6 25 |
| T 3 | 22 52 | 13 8 | 0s36 | 19 22 | 3 38 | 18 9 | 1 3 | 24 15 | 0 50 | 19 1 | 0 48 | 21 51 | 0 34 | 18 30 | 0 12 | 9 56 | 1 55 | 24 17 | 14 29 | 14 50 | 14 27 | 11 20 | 15 52 | 6 25 |
| F 4 | 22 57 | 9 49 | 1 38 | 19 7 | 3 50 | 18 29 | 1 1 | 24 17 | 0 50 | 19 0 | 0 48 | 21 50 | 0 34 | 18 29 | 0 12 | 9 56 | 1 54 | 24 16 | 14 29 | 14 49 | 14 28 | 11 19 | 15 52 | 6 26 |
| S 5 | 23 3 | 6 6 | 2 36 | 18 53 | 4 0 | 18 47 | 0 59 | 24 19 | 0 51 | 18 59 | 0 48 | 21 49 | 0 34 | 18 28 | 0 12 | 9 56 | 1 54 | 24 16 | 14 28 | 14 49 | 14 29 | 11 17 | 15 52 | 6 26 |
| S 6 | 23 7 | 2 7 | 3 27 | 18 41 | 4 9 | 19 6 | 0 57 | 24 21 | 0 51 | 18 57 | 0 47 | 21 48 | 0 34 | 18 28 | 0 12 | 9 55 | 1 54 | 24 15 | 14 28 | 14 50 | 14 30 | 11 16 | 15 52 | 6 26 |
| M 7 | 23 12 | 2n 1 | 4 10 | 18 30 | 4 17 | 19 23 | 0 55 | 24 22 | 0 51 | 18 56 | 0 47 | 21 47 | 0 34 | 18 27 | 0 12 | 9 55 | 1 54 | 24 14 | 14 27 | 14 51 | 14 31 | 11 14 | 15 52 | 6 27 |
| T 8 | 23 16 | 6 9 | 4 42 | 18 20 | 4 23 | 19 41 | 0 52 | 24 24 | 0 52 | 18 55 | 0 47 | 21 45 | 0 34 | 18 27 | 0 12 | 9 55 | 1 54 | 24 14 | 14 27 | 14 52 | 14 32 | 11 12 | 15 52 | 6 27 |
| W 9 | 23 20 | 10 8 | 5 1 | 18 13 | 4 28 | 19 58 | 0 50 | 24 25 | 0 52 | 18 53 | 0 47 | 21 44 | 0 34 | 18 26 | 0 12 | 9 55 | 1 54 | 24 13 | 14 27 | 14 54 | 14 33 | 11 11 | 15 52 | 6 27 |
| T 10 | 23 23 | 13 44 | 5 5 | 18 7 | 4 31 | 20 14 | 0 48 | 24 26 | 0 52 | 18 52 | 0 47 | 21 43 | 0 34 | 18 26 | 0 12 | 9 54 | 1 54 | 24 12 | 14 26 | 14 57 | 14 34 | 11 9 | 15 52 | 6 27 |
| F 11 | 23 26 | 16 44 | 4 52 | 18 2 | 4 33 | 20 30 | 0 45 | 24 27 | 0 53 | 18 51 | 0 46 | 21 42 | 0 34 | 18 25 | 0 12 | 9 54 | 1 54 | 24 12 | 14 26 | 15 0 | 14 35 | 11 7 | 15 52 | 6 28 |
| S 12 | 23 28 | 18 51 | 4 23 | 18 0 | 4 33 | 20 45 | 0 43 | 24 27 | 0 53 | 18 50 | 0 46 | 21 41 | 0 34 | 18 25 | 0 12 | 9 54 | 1 54 | 24 11 | 14 26 | 15 3 | 14 36 | 11 6 | 15 53 | 6 28 |
| S 13 | 23 30 | 19 53 | 3 36 | 17 59 | 4 32 | 20 59 | 0 41 | 24 28 | 0 53 | 18 48 | 0 46 | 21 39 | 0 34 | 18 24 | 0 12 | 9 54 | 1 54 | 24 10 | 14 25 | 15 5 | 14 37 | 11 4 | 15 53 | 6 28 |
| M14 | 23 32 | 19 40 | 2 36 | 18 1 | 4 30 | 21 14 | 0 38 | 24 28 | 0 54 | 18 47 | 0 46 | 21 38 | 0 34 | 18 24 | 0 12 | 9 53 | 1 54 | 24 9 | 14 25 | 15 7 | 14 38 | 11 2 | 15 53 | 6 28 |
| T 15 | 23 33 | 18 9 | 1 25 | 18 4 | 4 26 | 21 27 | 0 36 | 24 28 | 0 54 | 18 46 | 0 46 | 21 37 | 0 34 | 18 23 | 0 12 | 9 53 | 1 54 | 24 9 | 14 25 | 15 8 | 14 39 | 11 1 | 15 53 | 6 29 |
| W16 | 23 34 | 15 28 | 0 8 | 18 9 | 4 21 | 21 40 | 0 34 | 24 28 | 0 55 | 18 45 | 0 45 | 21 35 | 0 34 | 18 23 | 0 12 | 9 53 | 1 54 | 24 8 | 14 24 | 15 8 | 14 40 | 10 59 | 15 53 | 6 29 |
| T 17 | 23 34 | 11 51 | 1n 9 | 18 16 | 4 15 | 21 52 | 0 31 | 24 27 | 0 55 | 18 44 | 0 45 | 21 34 | 0 34 | 18 23 | 0 12 | 9 53 | 1 54 | 24 7 | 14 24 | 15 8 | 14 42 | 10 57 | 15 54 | 6 29 |
| F 18 | 23 34 | 7 34 | 2 21 | 18 24 | 4 8 | 22 4 | 0 29 | 24 27 | 0 55 | 18 43 | 0 45 | 21 33 | 0 35 | 18 22 | 0 12 | 9 53 | 1 54 | 24 6 | 14 24 | 15 8 | 14 43 | 10 56 | 15 54 | 6 29 |
| S 19 | 23 34 | 2 54 | 3 24 | 18 34 | 4 0 | 22 15 | 0 26 | 24 26 | 0 56 | 18 42 | 0 45 | 21 31 | 0 35 | 18 22 | 0 12 | 9 53 | 1 54 | 24 6 | 14 23 | 15 8 | 14 44 | 10 54 | 15 54 | 6 29 |
| S 20 | 23 33 | 1s51 | 4 14 | 18 46 | 3 51 | 22 26 | 0 24 | 24 25 | 0 56 | 18 41 | 0 45 | 21 30 | 0 35 | 18 21 | 0 12 | 9 52 | 1 54 | 24 5 | 14 23 | 15 8 | 14 45 | 10 53 | 15 54 | 6 30 |
| M21 | 23 31 | 6 27 | 4 49 | 18 59 | 3 41 | 22 35 | 0 21 | 24 24 | 0 56 | 18 40 | 0 44 | 21 29 | 0 35 | 18 21 | 0 12 | 9 52 | 1 54 | 24 4 | 14 23 | 15 9 | 14 46 | 10 51 | 15 55 | 6 30 |
| T 22 | 23 30 | 10 39 | 5 7 | 19 13 | 3 30 | 22 45 | 0 19 | 24 22 | 0 56 | 18 39 | 0 44 | 21 27 | 0 35 | 18 20 | 0 12 | 9 52 | 1 54 | 24 3 | 14 22 | 15 10 | 14 47 | 10 49 | 15 55 | 6 30 |
| W23 | 23 28 | 14 15 | 5 7 | 19 28 | 3 19 | 22 53 | 0 16 | 24 21 | 0 57 | 18 38 | 0 44 | 21 26 | 0 35 | 18 20 | 0 12 | 9 52 | 1 53 | 24 3 | 14 22 | 15 12 | 14 48 | 10 48 | 15 55 | 6 30 |
| T 24 | 23 25 | 17 4 | 4 51 | 19 44 | 3 7 | 23 1 | 0 14 | 24 19 | 0 57 | 18 38 | 0 44 | 21 25 | 0 35 | 18 20 | 0 12 | 9 52 | 1 53 | 24 2 | 14 22 | 15 14 | 14 49 | 10 46 | 15 55 | 6 30 |
| F 25 | 23 22 | 18 58 | 4 20 | 20 1 | 2 55 | 23 8 | 0 11 | 24 17 | 0 57 | 18 37 | 0 44 | 21 23 | 0 35 | 18 19 | 0 12 | 9 52 | 1 53 | 24 1 | 14 21 | 15 16 | 14 50 | 10 44 | 15 56 | 6 30 |
| S 26 | 23 19 | 19 53 | 3 37 | 20 19 | 2 42 | 23 15 | 0 9 | 24 15 | 0 58 | 18 36 | 0 43 | 21 22 | 0 35 | 18 19 | 0 12 | 9 52 | 1 53 | 24 0 | 14 21 | 15 18 | 14 51 | 10 42 | 15 56 | 6 30 |
| S 27 | 23 15 | 19 47 | 2 44 | 20 37 | 2 29 | 23 21 | 0 6 | 24 12 | 0 58 | 18 35 | 0 43 | 21 21 | 0 35 | 18 19 | 0 12 | 9 52 | 1 53 | 23 59 | 14 21 | 15 20 | 14 52 | 10 41 | 15 56 | 6 31 |
| M28 | 23 11 | 18 45 | 1 43 | 20 55 | 2 16 | 23 26 | 0 4 | 24 10 | 0 58 | 18 35 | 0 43 | 21 19 | 0 35 | 18 18 | 0 12 | 9 52 | 1 53 | 23 59 | 14 21 | 15 21 | 14 53 | 10 39 | 15 57 | 6 31 |
| T 29 | 23 6 | 16 51 | 0 39 | 21 13 | 2 2 | 23 31 | 0 1 | 24 7 | 0 59 | 18 34 | 0 43 | 21 18 | 0 35 | 18 18 | 0 12 | 9 52 | 1 53 | 23 58 | 14 20 | 15 21 | 14 54 | 10 37 | 15 57 | 6 31 |
| W30 | 23n 1 | 14s15 | 0s26 | 21n32 | 1s49 | 23n35 | 0n 1 | 24n 4 | 0n59 | 18s34 | 0n42 | 21n16 | 0n35 | 18s18 | 0n12 | 9s52 | 1n53 | 23n57 | 14n20 | 15n21 | 14n55 | 10s36 | 15s57 | 6n31 |

Julian Day Number = 2077327.5, Delta T = 26m29s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'38, Lahiri = 9°34'39 Julian Calendar 1 June 975 == Greg. Calendar 6 June 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## JULY 975 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 54 21 | 12♋59'14 | 5♓ 5 | 23♊26 | 29♊21 | 11♋52 | 25°R28 | 28♋ 2 | 22°R25 | 0°R15 | 2♍30 | 18♌32 | 19♌54 | 6♓25 | 17°R28 | T 1 |
| F 2 | 18 58 17 | 13°56'28 | 16°53 | 24°47 | 0♋34 | 12°31 | 25♏25 | 28° 9 | 22♏24 | 0♏15 | 2°32 | 18°34 | 19°50 | 6°32 | 17♉24 | F 2 |
| S 3 | 19 2 14 | 14°53'43 | 28°43 | 26°13 | 1°48 | 13°10 | 25°23 | 28°17 | 22°22 | 0°15 | 2°33 | 18°36 | 19°47 | 6°38 | 17°21 | S 3 |
| S 4 | 19 6 10 | 15°50'59 | 10♈41 | 27°43 | 3° 1 | 13°49 | 25°20 | 28°24 | 22°21 | 0°15 | 2°35 | 18°R37 | 19°44 | 6°45 | 17°17 | S 4 |
| M 5 | 19 10 7 | 16°48'16 | 22°50 | 29°17 | 4°15 | 14°27 | 25°17 | 28°32 | 22°20 | 0°14 | 2°37 | 18°36 | 19°41 | 6°52 | 17°14 | M 5 |
| T 6 | 19 14 4 | 17°45'34 | 5♉16 | 0♋56 | 5°28 | 15° 6 | 25°15 | 28°40 | 22°19 | 0°14 | 2°38 | 18°35 | 19°38 | 6°58 | 17°11 | T 6 |
| W 7 | 19 18 0 | 18°42'53 | 18° 2 | 2°38 | 6°42 | 15°45 | 25°13 | 28°47 | 22°18 | 0°14 | 2°40 | 18°33 | 19°35 | 7° 5 | 17° 7 | W 7 |
| T 8 | 19 21 57 | 19°40'14 | 1♊13 | 4°24 | 7°55 | 16°23 | 25°11 | 28°55 | 22°17 | 0°D14 | 2°41 | 18°29 | 19°31 | 7°11 | 17° 4 | T 8 |
| F 9 | 19 25 53 | 20°37'35 | 14°48 | 6°13 | 9° 9 | 17° 2 | 25° 9 | 29° 2 | 22°16 | 0°14 | 2°43 | 18°25 | 19°28 | 7°18 | 17° 0 | F 9 |
| S 10 | 19 29 50 | 21°34'57 | 28°49 | 8° 5 | 10°23 | 17°41 | 25° 8 | 29°10 | 22°15 | 0°14 | 2°45 | 18°21 | 19°25 | 7°25 | 16°57 | S 10 |
| S 11 | 19 33 46 | 22°32'21 | 13♋11 | 10° 0 | 11°37 | 18°19 | 25° 6 | 29°18 | 22°15 | 0°15 | 2°47 | 18°18 | 19°22 | 7°31 | 16°53 | S 11 |
| M12 | 19 37 43 | 23°29'45 | 27°49 | 11°57 | 12°50 | 18°58 | 25° 5 | 29°25 | 22°14 | 0°15 | 2°48 | 18°15 | 19°19 | 7°38 | 16°50 | M12 |
| T 13 | 19 41 39 | 24°27'10 | 12♌37 | 13°56 | 14° 4 | 19°36 | 25° 4 | 29°33 | 22°13 | 0°15 | 2°50 | 18°D14 | 19°15 | 7°45 | 16°46 | T 13 |
| W14 | 19 45 36 | 25°24'36 | 27°28 | 15°57 | 15°18 | 20°15 | 25° 3 | 29°41 | 22°12 | 0°15 | 2°52 | 18°15 | 19°12 | 7°51 | 16°43 | W14 |
| T 15 | 19 49 33 | 26°22'03 | 12♍13 | 17°59 | 16°32 | 20°53 | 25° 3 | 29°49 | 22°12 | 0°15 | 2°54 | 18°15 | 19° 9 | 7°58 | 16°40 | T 15 |
| F 16 | 19 53 29 | 27°19'30 | 26°48 | 20° 2 | 17°45 | 21°32 | 25° 2 | 29°56 | 22°11 | 0°16 | 2°55 | 18°17 | 19° 6 | 8° 5 | 16°36 | F 16 |
| S 17 | 19 57 26 | 28°16'59 | 11♎ 8 | 22° 6 | 18°59 | 22°10 | 25° 2 | 0♌ 4 | 22°11 | 0°16 | 2°57 | 18°18 | 19° 3 | 8°11 | 16°33 | S 17 |
| S 18 | 20 1 22 | 29°14'28 | 25°11 | 24°11 | 20°13 | 22°49 | 25°D 2 | 0°12 | 22°10 | 0°16 | 2°59 | 18°R19 | 19° 0 | 8°18 | 16°30 | S 18 |
| M19 | 20 5 19 | 0♌11'58 | 8♏55 | 26°15 | 21°27 | 23°27 | 25° 2 | 0°19 | 22°10 | 0°16 | 3° 1 | 18°18 | 18°56 | 8°25 | 16°26 | M19 |
| T 20 | 20 9 15 | 1° 9'29 | 22°22 | 28°19 | 22°41 | 24° 6 | 25° 2 | 0°27 | 22° 9 | 0°17 | 3° 3 | 18°17 | 18°53 | 8°31 | 16°23 | T 20 |
| W21 | 20 13 12 | 2° 7'00 | 5♐31 | 0♌23 | 23°55 | 24°44 | 25° 3 | 0°35 | 22° 9 | 0°17 | 3° 5 | 18°16 | 18°50 | 8°38 | 16°20 | W21 |
| T 22 | 20 17 8 | 3° 4'33 | 18°25 | 2°26 | 25° 9 | 25°22 | 25° 4 | 0°42 | 22° 9 | 0°18 | 3° 7 | 18°14 | 18°47 | 8°45 | 16°17 | T 22 |
| F 23 | 20 21 5 | 4° 2'07 | 1♑ 4 | 4°28 | 26°23 | 26° 1 | 25° 4 | 0°50 | 22° 8 | 0°18 | 3° 9 | 18°12 | 18°44 | 8°51 | 16°13 | F 23 |
| S 24 | 20 25 2 | 4°59'42 | 13°31 | 6°29 | 27°37 | 26°39 | 25° 5 | 0°58 | 22° 8 | 0°19 | 3°11 | 18°10 | 18°41 | 8°58 | 16°10 | S 24 |
| S 25 | 20 28 58 | 5°57'18 | 25°46 | 8°29 | 28°51 | 27°18 | 25° 7 | 1° 5 | 22° 8 | 0°19 | 3°13 | 18° 9 | 18°37 | 9° 5 | 16° 7 | S 25 |
| M26 | 20 32 55 | 6°54'55 | 7♒51 | 10°28 | 0♌ 5 | 27°56 | 25° 8 | 1°13 | 22° 8 | 0°20 | 3°14 | 18° 8 | 18°34 | 9°11 | 16° 4 | M26 |
| T 27 | 20 36 51 | 7°52'34 | 19°49 | 12°26 | 1°19 | 28°34 | 25°10 | 1°21 | 22°D 8 | 0°20 | 3°16 | 18°D 8 | 18°31 | 9°18 | 16° 1 | T 27 |
| W28 | 20 40 48 | 8°50'14 | 1♓41 | 14°23 | 2°33 | 29°13 | 25°11 | 1°28 | 22° 8 | 0°21 | 3°18 | 18° 8 | 18°28 | 9°25 | 15°58 | W28 |
| T 29 | 20 44 44 | 9°47'55 | 13°29 | 16°18 | 3°47 | 29°51 | 25°13 | 1°36 | 22° 8 | 0°22 | 3°20 | 18° 8 | 18°25 | 9°31 | 15°55 | T 29 |
| F 30 | 20 48 41 | 10°45'38 | 25°18 | 18°12 | 5° 1 | 0♌29 | 25°15 | 1°44 | 22° 8 | 0°22 | 3°22 | 18° 9 | 18°21 | 9°38 | 15°52 | F 30 |
| S 31 | 20 52 37 | 11♌43'23 | 7♈ 8 | 20♌ 5 | 6♌16 | 1♌ 7 | 25♏18 | 1♌51 | 22♏ 8 | 0♏23 | 3♍24 | 18♌10 | 18♌18 | 9♓45 | 15♉49 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n56 | 11s 5 | 1s29 | 21n50 | 1s35 | 23n38 | 0n 4 | 24n 1 | 0n59 | 18s33 | 0n42 | 21n15 | 0n35 | 18s17 | 0n12 | 9s52 | 1n53 | 23n56 | 14n20 | 15n21 | 14n56 | 10s34 | 15s58 | 6n31 |
| F 2 | 22 50 | 7 29 | 2 29 | 22 7 | 1 21 | 23 40 | 0 6 | 23 58 | 1 0 | 18 33 | 0 42 | 21 13 | 0 35 | 18 17 | 0 12 | 9 52 | 1 53 | 23 55 | 14 19 | 15 21 | 14 57 | 10 32 | 15 58 | 6 31 |
| S 3 | 22 44 | 3 36 | 3 22 | 22 24 | 1 7 | 23 42 | 0 9 | 23 54 | 1 0 | 18 32 | 0 42 | 21 12 | 0 36 | 18 17 | 0 12 | 9 52 | 1 53 | 23 54 | 14 19 | 15 20 | 14 58 | 10 31 | 15 58 | 6 31 |
| S 4 | 22 37 | 0n27 | 4 8 | 22 40 | 0 53 | 23 43 | 0 11 | 23 51 | 1 0 | 18 32 | 0 42 | 21 10 | 0 36 | 18 16 | 0 12 | 9 52 | 1 53 | 23 54 | 14 19 | 15 20 | 14 59 | 10 29 | 15 59 | 6 31 |
| M 5 | 22 30 | 4 33 | 4 43 | 22 54 | 0 40 | 23 44 | 0 13 | 23 47 | 1 0 | 18 31 | 0 41 | 21 9 | 0 36 | 18 16 | 0 12 | 9 52 | 1 53 | 23 53 | 14 19 | 15 20 | 15 0 | 10 27 | 15 59 | 6 31 |
| T 6 | 22 23 | 8 33 | 5 5 | 23 7 | 0 27 | 23 43 | 0 16 | 23 43 | 1 1 | 18 31 | 0 41 | 21 7 | 0 36 | 18 16 | 0 11 | 9 52 | 1 53 | 23 52 | 14 18 | 15 20 | 15 1 | 10 26 | 16 0 | 6 31 |
| W 7 | 22 15 | 12 17 | 5 14 | 23 19 | 0 14 | 23 42 | 0 18 | 23 39 | 1 1 | 18 31 | 0 41 | 21 6 | 0 36 | 18 16 | 0 11 | 9 52 | 1 53 | 23 51 | 14 18 | 15 21 | 15 2 | 10 24 | 16 0 | 6 31 |
| T 8 | 22 7 | 15 31 | 5 6 | 23 29 | 0 1 | 23 40 | 0 21 | 23 34 | 1 1 | 18 30 | 0 41 | 21 4 | 0 36 | 18 15 | 0 11 | 9 52 | 1 53 | 23 50 | 14 18 | 15 22 | 15 3 | 10 22 | 16 0 | 6 31 |
| F 9 | 21 59 | 18 3 | 4 41 | 23 36 | 0n11 | 23 38 | 0 23 | 23 30 | 1 1 | 18 30 | 0 40 | 21 3 | 0 36 | 18 15 | 0 11 | 9 52 | 1 53 | 23 49 | 14 18 | 15 23 | 15 4 | 10 20 | 16 1 | 6 31 |
| S 10 | 21 50 | 19 35 | 3 59 | 23 42 | 0 22 | 23 35 | 0 25 | 23 25 | 1 2 | 18 30 | 0 40 | 21 1 | 0 36 | 18 15 | 0 11 | 9 52 | 1 52 | 23 48 | 14 17 | 15 25 | 15 5 | 10 19 | 16 1 | 6 31 |
| S 11 | 21 40 | 19 55 | 3 1 | 23 45 | 0 33 | 23 31 | 0 28 | 23 20 | 1 2 | 18 30 | 0 40 | 21 0 | 0 36 | 18 15 | 0 11 | 9 52 | 1 52 | 23 48 | 14 17 | 15 26 | 15 6 | 10 17 | 16 2 | 6 31 |
| M12 | 21 31 | 18 55 | 1 50 | 23 45 | 0 44 | 23 26 | 0 30 | 23 15 | 1 2 | 18 30 | 0 40 | 20 58 | 0 36 | 18 15 | 0 11 | 9 52 | 1 52 | 23 47 | 14 17 | 15 26 | 15 7 | 10 15 | 16 2 | 6 31 |
| T 13 | 21 21 | 16 37 | 0 31 | 23 43 | 0 53 | 23 21 | 0 32 | 23 10 | 1 3 | 18 30 | 0 40 | 20 57 | 0 36 | 18 14 | 0 11 | 9 52 | 1 52 | 23 46 | 14 17 | 15 27 | 15 8 | 10 14 | 16 3 | 6 31 |
| W14 | 21 10 | 13 13 | 0n51 | 23 38 | 1 2 | 23 15 | 0 34 | 23 4 | 1 3 | 18 30 | 0 39 | 20 55 | 0 36 | 18 14 | 0 11 | 9 52 | 1 52 | 23 45 | 14 17 | 15 27 | 15 9 | 10 12 | 16 3 | 6 31 |
| T 15 | 21 0 | 8 59 | 2 9 | 23 30 | 1 10 | 23 9 | 0 36 | 22 59 | 1 3 | 18 30 | 0 39 | 20 54 | 0 36 | 18 14 | 0 11 | 9 52 | 1 52 | 23 44 | 14 16 | 15 26 | 15 10 | 10 10 | 16 3 | 6 31 |
| F 16 | 20 49 | 4 17 | 3 17 | 23 20 | 1 17 | 23 1 | 0 39 | 22 53 | 1 3 | 18 30 | 0 39 | 20 52 | 0 37 | 18 14 | 0 11 | 9 53 | 1 52 | 23 43 | 14 16 | 15 26 | 15 11 | 10 8 | 16 4 | 6 31 |
| S 17 | 20 37 | 0s34 | 4 12 | 23 7 | 1 24 | 22 53 | 0 41 | 22 47 | 1 4 | 18 30 | 0 39 | 20 51 | 0 37 | 18 14 | 0 11 | 9 53 | 1 52 | 23 42 | 14 16 | 15 26 | 15 12 | 10 7 | 16 4 | 6 31 |
| S 18 | 20 25 | 5 17 | 4 51 | 22 51 | 1 29 | 22 45 | 0 43 | 22 41 | 1 4 | 18 30 | 0 38 | 20 49 | 0 37 | 18 14 | 0 11 | 9 53 | 1 52 | 23 42 | 14 16 | 15 25 | 15 13 | 10 5 | 16 5 | 6 31 |
| M19 | 20 13 | 9 37 | 5 12 | 22 33 | 1 34 | 22 35 | 0 45 | 22 34 | 1 4 | 18 31 | 0 38 | 20 47 | 0 37 | 18 14 | 0 11 | 9 53 | 1 52 | 23 41 | 14 16 | 15 25 | 15 14 | 10 3 | 16 5 | 6 31 |
| T 20 | 20 1 | 13 23 | 5 15 | 22 13 | 1 38 | 22 25 | 0 47 | 22 28 | 1 4 | 18 31 | 0 38 | 20 46 | 0 37 | 18 14 | 0 11 | 9 53 | 1 52 | 23 40 | 14 15 | 15 26 | 15 15 | 10 1 | 16 6 | 6 31 |
| W21 | 19 48 | 16 23 | 5 2 | 21 50 | 1 41 | 22 15 | 0 49 | 22 21 | 1 5 | 18 31 | 0 38 | 20 44 | 0 37 | 18 14 | 0 11 | 9 53 | 1 52 | 23 39 | 14 15 | 15 26 | 15 16 | 10 0 | 16 6 | 6 30 |
| T 22 | 19 35 | 18 31 | 4 34 | 21 24 | 1 44 | 22 3 | 0 51 | 22 14 | 1 5 | 18 32 | 0 37 | 20 43 | 0 37 | 18 13 | 0 11 | 9 54 | 1 52 | 23 38 | 14 15 | 15 27 | 15 17 | 9 58 | 16 7 | 6 30 |
| F 23 | 19 21 | 19 42 | 3 52 | 20 57 | 1 45 | 21 51 | 0 53 | 22 7 | 1 5 | 18 32 | 0 37 | 20 41 | 0 37 | 18 13 | 0 11 | 9 54 | 1 52 | 23 37 | 14 15 | 15 28 | 15 18 | 9 56 | 16 7 | 6 30 |
| S 24 | 19 7 | 19 53 | 3 0 | 20 28 | 1 46 | 21 38 | 0 54 | 22 0 | 1 5 | 18 33 | 0 37 | 20 39 | 0 37 | 18 13 | 0 11 | 9 54 | 1 52 | 23 36 | 14 15 | 15 28 | 15 19 | 9 54 | 16 8 | 6 30 |
| S 25 | 18 53 | 19 8 | 2 1 | 19 57 | 1 47 | 21 25 | 0 56 | 21 53 | 1 5 | 18 33 | 0 37 | 20 38 | 0 37 | 18 13 | 0 11 | 9 54 | 1 52 | 23 35 | 14 15 | 15 29 | 15 20 | 9 53 | 16 8 | 6 30 |
| M26 | 18 39 | 17 29 | 0 57 | 19 25 | 1 46 | 21 11 | 0 58 | 21 46 | 1 6 | 18 34 | 0 37 | 20 36 | 0 37 | 18 13 | 0 11 | 9 55 | 1 51 | 23 35 | 14 14 | 15 29 | 15 21 | 9 51 | 16 9 | 6 30 |
| T 27 | 18 24 | 15 6 | 0s 9 | 18 51 | 1 45 | 20 57 | 1 0 | 21 38 | 1 6 | 18 34 | 0 36 | 20 35 | 0 37 | 18 13 | 0 11 | 9 55 | 1 51 | 23 34 | 14 14 | 15 29 | 15 22 | 9 49 | 16 9 | 6 30 |
| W28 | 18 9 | 12 6 | 1 15 | 18 16 | 1 44 | 20 42 | 1 1 | 21 30 | 1 6 | 18 35 | 0 36 | 20 33 | 0 38 | 18 13 | 0 11 | 9 55 | 1 51 | 23 33 | 14 14 | 15 29 | 15 23 | 9 47 | 16 10 | 6 29 |
| T 29 | 17 53 | 8 37 | 2 16 | 17 39 | 1 42 | 20 26 | 1 3 | 21 22 | 1 6 | 18 36 | 0 36 | 20 31 | 0 38 | 18 13 | 0 11 | 9 55 | 1 51 | 23 32 | 14 14 | 15 29 | 15 24 | 9 46 | 16 10 | 6 29 |
| F 30 | 17 38 | 4 49 | 3 12 | 17 2 | 1 39 | 20 9 | 1 5 | 21 14 | 1 7 | 18 36 | 0 36 | 20 30 | 0 38 | 18 13 | 0 11 | 9 56 | 1 51 | 23 31 | 14 14 | 15 28 | 15 25 | 9 44 | 16 11 | 6 29 |
| S 31 | 17n22 | 0s49 | 4s 0 | 16n23 | 1n36 | 19n53 | 1n 6 | 21n 6 | 1n 7 | 18s37 | 0n35 | 20n28 | 0n38 | 18s14 | 0n11 | 9s56 | 1n51 | 23n30 | 14n14 | 15n28 | 15n26 | 9s42 | 16s11 | 6n29 |

Julian Day Number = 2077357.5, Delta T = 26m29s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'42, Lahiri = 9°34'43 Julian Calendar 1 July 975 == Greg. Calendar 6 July 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## AUGUST 975 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 56 34 | 12♌41'09 | 19♈ 6 | 21♌56 | 7♌30 | 1♌46 | 25♏20 | 1♌59 | 22♏ 9 | 0♏24 | 3♍27 | 18♌11 | 18♌15 | 9♓51 | 15°R46 | S 1 |
| M 2 | 21 0 31 | 13°38'57 | 1♉15 | 23°46 | 8°44 | 2°24 | 25°23 | 2° 7 | 22° 9 | 0°25 | 3°29 | 18°11 | 18°12 | 9°58 | 15♉43 | M 2 |
| T 3 | 21 4 27 | 14°36'47 | 13°38 | 25°34 | 9°58 | 3° 2 | 25°26 | 2°14 | 22° 9 | 0°26 | 3°31 | 18°R11 | 18° 9 | 10° 4 | 15°40 | T 3 |
| W 4 | 21 8 24 | 15°34'39 | 26°22 | 27°21 | 11°13 | 3°40 | 25°29 | 2°22 | 22°10 | 0°26 | 3°33 | 18°11 | 18° 6 | 10°11 | 15°37 | W 4 |
| T 5 | 21 12 20 | 16°32'32 | 9♊28 | 29° 7 | 12°27 | 4°19 | 25°32 | 2°29 | 22°10 | 0°27 | 3°35 | 18°11 | 18° 2 | 10°18 | 15°35 | T 5 |
| F 6 | 21 16 17 | 17°30'28 | 23° 0 | 0♍51 | 13°41 | 4°57 | 25°35 | 2°37 | 22°11 | 0°28 | 3°37 | 18°11 | 17°59 | 10°24 | 15°32 | F 6 |
| S 7 | 21 20 13 | 18°28'25 | 6♋58 | 2°34 | 14°56 | 5°35 | 25°39 | 2°44 | 22°11 | 0°29 | 3°39 | 18°D11 | 17°56 | 10°31 | 15°29 | S 7 |
| S 8 | 21 24 10 | 19°26'24 | 21°22 | 4°16 | 16°10 | 6°13 | 25°42 | 2°52 | 22°12 | 0°30 | 3°41 | 18°11 | 17°53 | 10°38 | 15°27 | S 8 |
| M 9 | 21 28 6 | 20°24'25 | 6♌ 8 | 5°57 | 17°24 | 6°52 | 25°46 | 2°59 | 22°12 | 0°31 | 3°43 | 18°11 | 17°50 | 10°44 | 15°24 | M 9 |
| T 10 | 21 32 3 | 21°22'28 | 21° 9 | 7°36 | 18°39 | 7°30 | 25°50 | 3° 7 | 22°13 | 0°32 | 3°45 | 18°R11 | 17°47 | 10°51 | 15°22 | T 10 |
| W11 | 21 36 0 | 22°20'32 | 6♍17 | 9°14 | 19°53 | 8° 8 | 25°55 | 3°14 | 22°14 | 0°33 | 3°47 | 18°11 | 17°43 | 10°58 | 15°19 | W11 |
| T 12 | 21 39 56 | 23°18'38 | 21°23 | 10°51 | 21° 8 | 8°46 | 25°59 | 3°22 | 22°15 | 0°34 | 3°50 | 18°10 | 17°40 | 11° 4 | 15°17 | T 12 |
| F 13 | 21 43 53 | 24°16'45 | 6♎17 | 12°26 | 22°22 | 9°24 | 26° 3 | 3°29 | 22°15 | 0°35 | 3°52 | 18°10 | 17°37 | 11°11 | 15°14 | F 13 |
| S 14 | 21 47 49 | 25°14'54 | 20°54 | 14° 0 | 23°37 | 10° 2 | 26° 8 | 3°36 | 22°16 | 0°37 | 3°54 | 18° 9 | 17°34 | 11°18 | 15°12 | S 14 |
| S 15 | 21 51 46 | 26°13'04 | 5♏ 8 | 15°33 | 24°51 | 10°40 | 26°13 | 3°44 | 22°17 | 0°38 | 3°56 | 18° 8 | 17°31 | 11°24 | 15°10 | S 15 |
| M16 | 21 55 42 | 27°11'16 | 18°58 | 17° 5 | 26° 6 | 11°18 | 26°18 | 3°51 | 22°18 | 0°39 | 3°58 | 18° 8 | 17°27 | 11°31 | 15° 8 | M16 |
| T 17 | 21 59 39 | 28° 9'30 | 2♐23 | 18°35 | 27°20 | 11°57 | 26°23 | 3°58 | 22°19 | 0°40 | 4° 0 | 18°D 8 | 17°24 | 11°38 | 15° 5 | T 17 |
| W18 | 22 3 35 | 29° 7'45 | 15°25 | 20° 5 | 28°35 | 12°35 | 26°29 | 4° 6 | 22°20 | 0°42 | 4° 2 | 18° 8 | 17°21 | 11°44 | 15° 3 | W18 |
| T 19 | 22 7 32 | 0♍ 6'01 | 28° 8 | 21°33 | 29°50 | 13°13 | 26°34 | 4°13 | 22°22 | 0°43 | 4° 5 | 18° 9 | 17°18 | 11°51 | 15° 1 | T 19 |
| F 20 | 22 11 29 | 1° 4'20 | 10♑34 | 22°59 | 1♍ 4 | 13°51 | 26°40 | 4°20 | 22°23 | 0°44 | 4° 7 | 18°10 | 17°15 | 11°58 | 14°59 | F 20 |
| S 21 | 22 15 25 | 2° 2'39 | 22°46 | 24°25 | 2°19 | 14°29 | 26°46 | 4°27 | 22°24 | 0°45 | 4° 9 | 18°12 | 17°12 | 12° 4 | 14°57 | S 21 |
| S 22 | 22 19 22 | 3° 1'01 | 4♒49 | 25°49 | 3°33 | 15° 7 | 26°52 | 4°34 | 22°25 | 0°47 | 4°11 | 18°12 | 17° 8 | 12°11 | 14°56 | S 22 |
| M23 | 22 23 18 | 3°59'24 | 16°45 | 27°12 | 4°48 | 15°45 | 26°58 | 4°41 | 22°27 | 0°48 | 4°13 | 18°R13 | 17° 5 | 12°18 | 14°54 | M23 |
| T 24 | 22 27 15 | 4°57'49 | 28°36 | 28°33 | 6° 3 | 16°23 | 27° 4 | 4°48 | 22°28 | 0°50 | 4°15 | 18°13 | 17° 2 | 12°24 | 14°52 | T 24 |
| W25 | 22 31 11 | 5°56'16 | 10♓25 | 29°54 | 7°17 | 17° 1 | 27°11 | 4°55 | 22°29 | 0°51 | 4°18 | 18°11 | 16°59 | 12°31 | 14°50 | W25 |
| T 26 | 22 35 8 | 6°54'45 | 22°13 | 1♎12 | 8°32 | 17°39 | 27°17 | 5° 2 | 22°31 | 0°53 | 4°20 | 18° 9 | 16°56 | 12°38 | 14°49 | T 26 |
| F 27 | 22 39 4 | 7°53'16 | 4♈ 4 | 2°29 | 9°47 | 18°17 | 27°24 | 5° 9 | 22°32 | 0°54 | 4°22 | 18° 6 | 16°52 | 12°44 | 14°47 | F 27 |
| S 28 | 22 43 1 | 8°51'49 | 15°59 | 3°45 | 11° 1 | 18°55 | 27°31 | 5°16 | 22°34 | 0°56 | 4°24 | 18° 3 | 16°49 | 12°51 | 14°46 | S 28 |
| S 29 | 22 46 58 | 9°50'25 | 28° 1 | 4°59 | 12°16 | 19°33 | 27°38 | 5°23 | 22°36 | 0°57 | 4°26 | 18° 0 | 16°46 | 12°58 | 14°44 | S 29 |
| M30 | 22 50 54 | 10°49'02 | 10♉12 | 6°12 | 13°31 | 20°11 | 27°45 | 5°30 | 22°37 | 0°59 | 4°28 | 17°57 | 16°43 | 13° 4 | 14°43 | M30 |
| T 31 | 22 54 51 | 11♍47'42 | 22♉37 | 7♎22 | 14♍46 | 20♌49 | 27♏52 | 5♌36 | 22♏39 | 1♏ 0 | 4♍30 | 17♌54 | 16♌40 | 13♓11 | 14♑42 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n 6 | 3n14 | 4s38 | 15n44 | 1n32 | 19n35 | 1n 7 | 20n58 | 1n 7 | 18s38 | 0n35 | 20n27 | 0n38 | 18s14 | 0n11 | 9s56 | 1n51 | 23n29 | 14n14 | 15n28 | 15n27 | 9s40 | 16s12 | 6n29 |
| M 2 | 16 49 | 7 13 | 5 4 | 15 4 | 1 28 | 19 17 | 1 9 | 20 49 | 1 7 | 18 39 | 0 35 | 20 25 | 0 38 | 18 14 | 0 11 | 9 57 | 1 51 | 23 29 | 14 14 | 15 28 | 15 27 | 9 39 | 16 12 | 6 28 |
| T 3 | 16 32 | 10 59 | 5 17 | 14 23 | 1 24 | 18 58 | 1 10 | 20 41 | 1 7 | 18 40 | 0 35 | 20 23 | 0 38 | 18 14 | 0 11 | 9 57 | 1 51 | 23 28 | 14 14 | 15 28 | 15 28 | 9 37 | 16 13 | 6 28 |
| W 4 | 16 15 | 14 21 | 5 15 | 13 42 | 1 19 | 18 39 | 1 11 | 20 32 | 1 8 | 18 41 | 0 35 | 20 22 | 0 38 | 18 14 | 0 11 | 9 57 | 1 51 | 23 27 | 14 14 | 15 28 | 15 29 | 9 35 | 16 14 | 6 28 |
| T 5 | 15 58 | 17 6 | 4 56 | 13 0 | 1 14 | 18 19 | 1 13 | 20 23 | 1 8 | 18 42 | 0 34 | 20 20 | 0 38 | 18 14 | 0 11 | 9 58 | 1 51 | 23 26 | 14 13 | 15 28 | 15 30 | 9 33 | 16 14 | 6 28 |
| F 6 | 15 40 | 19 2 | 4 21 | 12 18 | 1 9 | 17 59 | 1 14 | 20 14 | 1 8 | 18 43 | 0 34 | 20 18 | 0 38 | 18 14 | 0 11 | 9 58 | 1 51 | 23 25 | 14 13 | 15 28 | 15 31 | 9 31 | 16 15 | 6 28 |
| S 7 | 15 22 | 19 54 | 3 30 | 11 35 | 1 3 | 17 38 | 1 15 | 20 5 | 1 8 | 18 44 | 0 34 | 20 17 | 0 39 | 18 14 | 0 11 | 9 59 | 1 51 | 23 24 | 14 13 | 15 28 | 15 32 | 9 30 | 16 15 | 6 27 |
| S 8 | 15 4 | 19 30 | 2 24 | 10 53 | 0 57 | 17 17 | 1 16 | 19 55 | 1 8 | 18 45 | 0 34 | 20 15 | 0 39 | 18 15 | 0 11 | 9 59 | 1 51 | 23 23 | 14 13 | 15 28 | 15 33 | 9 28 | 16 16 | 6 27 |
| M 9 | 14 46 | 17 46 | 1 7 | 10 10 | 0 51 | 16 55 | 1 17 | 19 46 | 1 9 | 18 46 | 0 33 | 20 13 | 0 39 | 18 15 | 0 11 | 9 59 | 1 51 | 23 23 | 14 13 | 15 28 | 15 34 | 9 26 | 16 16 | 6 27 |
| T 10 | 14 27 | 14 47 | 0n17 | 9 27 | 0 44 | 16 33 | 1 18 | 19 36 | 1 9 | 18 47 | 0 33 | 20 12 | 0 39 | 18 15 | 0 11 | 10 0 | 1 51 | 23 22 | 14 13 | 15 28 | 15 35 | 9 24 | 16 17 | 6 27 |
| W11 | 14 8 | 10 47 | 1 39 | 8 44 | 0 37 | 16 11 | 1 19 | 19 27 | 1 9 | 18 48 | 0 33 | 20 10 | 0 39 | 18 15 | 0 11 | 10 0 | 1 50 | 23 21 | 14 13 | 15 28 | 15 36 | 9 23 | 16 17 | 6 26 |
| T 12 | 13 49 | 6 6 | 2 54 | 8 0 | 0 30 | 15 47 | 1 20 | 19 17 | 1 9 | 18 49 | 0 33 | 20 9 | 0 39 | 18 15 | 0 11 | 10 1 | 1 50 | 23 20 | 14 13 | 15 28 | 15 37 | 9 21 | 16 18 | 6 26 |
| F 13 | 13 30 | 1 7 | 3 57 | 7 17 | 0 23 | 15 24 | 1 20 | 19 7 | 1 9 | 18 51 | 0 33 | 20 7 | 0 39 | 18 16 | 0 11 | 10 1 | 1 50 | 23 19 | 14 13 | 15 28 | 15 38 | 9 19 | 16 18 | 6 26 |
| S 14 | 13 11 | 3s50 | 4 42 | 6 34 | 0 16 | 15 0 | 1 21 | 18 57 | 1 10 | 18 52 | 0 32 | 20 5 | 0 39 | 18 16 | 0 11 | 10 2 | 1 50 | 23 18 | 14 13 | 15 28 | 15 39 | 9 17 | 16 19 | 6 25 |
| S 15 | 12 51 | 8 27 | 5 9 | 5 51 | 0 8 | 14 36 | 1 22 | 18 46 | 1 10 | 18 53 | 0 32 | 20 4 | 0 39 | 18 16 | 0 11 | 10 2 | 1 50 | 23 18 | 14 13 | 15 29 | 15 40 | 9 15 | 16 19 | 6 25 |
| M16 | 12 31 | 12 28 | 5 17 | 5 8 | 0 1 | 14 11 | 1 22 | 18 36 | 1 10 | 18 55 | 0 32 | 20 2 | 0 39 | 18 16 | 0 11 | 10 3 | 1 50 | 23 17 | 14 13 | 15 29 | 15 41 | 9 13 | 16 20 | 6 25 |
| T 17 | 12 11 | 15 43 | 5 8 | 4 26 | 0s 7 | 13 46 | 1 23 | 18 25 | 1 10 | 18 56 | 0 32 | 20 0 | 0 40 | 18 17 | 0 11 | 10 3 | 1 50 | 23 16 | 14 13 | 15 29 | 15 42 | 9 12 | 16 21 | 6 24 |
| W18 | 11 50 | 18 5 | 4 42 | 3 43 | 0 15 | 13 20 | 1 23 | 18 15 | 1 10 | 18 58 | 0 32 | 19 59 | 0 40 | 18 17 | 0 11 | 10 3 | 1 50 | 23 15 | 14 13 | 15 29 | 15 43 | 9 10 | 16 21 | 6 24 |
| T 19 | 11 30 | 19 30 | 4 4 | 3 1 | 0 23 | 12 54 | 1 24 | 18 4 | 1 10 | 18 59 | 0 31 | 19 57 | 0 40 | 18 17 | 0 11 | 10 4 | 1 50 | 23 14 | 14 13 | 15 28 | 15 44 | 9 8 | 16 22 | 6 24 |
| F 20 | 11 9 | 19 55 | 3 14 | 2 19 | 0 31 | 12 28 | 1 24 | 17 53 | 1 11 | 19 1 | 0 31 | 19 56 | 0 40 | 18 18 | 0 11 | 10 4 | 1 50 | 23 14 | 14 13 | 15 28 | 15 45 | 9 6 | 16 22 | 6 24 |
| S 21 | 10 48 | 19 24 | 2 16 | 1 38 | 0 39 | 12 1 | 1 24 | 17 42 | 1 11 | 19 2 | 0 31 | 19 54 | 0 40 | 18 18 | 0 11 | 10 5 | 1 50 | 23 13 | 14 13 | 15 28 | 15 46 | 9 4 | 16 23 | 6 23 |
| S 22 | 10 27 | 17 58 | 1 14 | 0 57 | 0 47 | 11 34 | 1 25 | 17 31 | 1 11 | 19 4 | 0 31 | 19 52 | 0 40 | 18 18 | 0 11 | 10 6 | 1 50 | 23 12 | 14 13 | 15 27 | 15 47 | 9 3 | 16 23 | 6 23 |
| M23 | 10 6 | 15 46 | 0 8 | 0 16 | 0 56 | 11 7 | 1 25 | 17 20 | 1 11 | 19 5 | 0 31 | 19 51 | 0 40 | 18 19 | 0 11 | 10 6 | 1 50 | 23 11 | 14 13 | 15 27 | 15 48 | 9 1 | 16 24 | 6 22 |
| T 24 | 9 45 | 12 55 | 0s57 | 0s24 | 1 4 | 10 39 | 1 25 | 17 9 | 1 11 | 19 7 | 0 30 | 19 49 | 0 40 | 18 19 | 0 11 | 10 7 | 1 50 | 23 11 | 14 13 | 15 27 | 15 49 | 8 59 | 16 24 | 6 22 |
| W25 | 9 23 | 9 33 | 2 0 | 1 4 | 1 12 | 10 11 | 1 25 | 16 57 | 1 11 | 19 9 | 0 30 | 19 48 | 0 40 | 18 19 | 0 11 | 10 7 | 1 50 | 23 10 | 14 13 | 15 28 | 15 50 | 8 57 | 16 25 | 6 22 |
| T 26 | 9 1 | 5 49 | 2 57 | 1 43 | 1 20 | 9 43 | 1 25 | 16 46 | 1 12 | 19 10 | 0 30 | 19 46 | 0 41 | 18 20 | 0 11 | 10 8 | 1 50 | 23 9 | 14 14 | 15 28 | 15 51 | 8 55 | 16 25 | 6 21 |
| F 27 | 8 39 | 1 51 | 3 47 | 2 21 | 1 29 | 9 15 | 1 24 | 16 34 | 1 12 | 19 12 | 0 30 | 19 45 | 0 41 | 18 20 | 0 11 | 10 8 | 1 50 | 23 8 | 14 14 | 15 29 | 15 52 | 8 53 | 16 26 | 6 21 |
| S 28 | 8 17 | 2n13 | 4 27 | 2 59 | 1 37 | 8 46 | 1 24 | 16 22 | 1 12 | 19 14 | 0 30 | 19 43 | 0 41 | 18 21 | 0 10 | 10 9 | 1 50 | 23 8 | 14 14 | 15 30 | 15 53 | 8 52 | 16 26 | 6 21 |
| S 29 | 7 55 | 6 13 | 4 56 | 3 36 | 1 45 | 8 17 | 1 24 | 16 10 | 1 12 | 19 16 | 0 29 | 19 41 | 0 41 | 18 21 | 0 10 | 10 9 | 1 50 | 23 7 | 14 14 | 15 31 | 15 54 | 8 50 | 16 27 | 6 20 |
| M30 | 7 33 | 10 1 | 5 12 | 4 12 | 1 53 | 7 48 | 1 24 | 15 59 | 1 12 | 19 17 | 0 29 | 19 40 | 0 41 | 18 22 | 0 10 | 10 10 | 1 50 | 23 6 | 14 14 | 15 32 | 15 55 | 8 48 | 16 27 | 6 20 |
| T 31 | 7n11 | 13n28 | 5s14 | 4s47 | 2s 1 | 7n19 | 1n23 | 15n46 | 1n12 | 19s19 | 0n29 | 19n38 | 0n41 | 18s22 | 0n10 | 10s11 | 1n49 | 23n 5 | 14n14 | 15n33 | 15n56 | 8s46 | 16s28 | 6n20 |

Julian Day Number = 2077388.5, Delta T = 26m28s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'47, Lahiri = 9°34'47 Julian Calendar 1 Aug. 975 == Greg. Calendar 6 Aug. 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## SEPTEMBER 975 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 22 58 47 | 12♍46'24 | 5♊17 | 8♎31 | 16♍ 0 | 21♌27 | 28♏ 0 | 5♌43 | 22♏41 | 1♏ 2 | 4♍33 | 17°R53 | 16♌37 | 13♓18 | 14°R41 | W 1 |
| T 2 | 23 2 44 | 13°45'08 | 18°18 | 9°38 | 17°15 | 22° 5 | 28° 7 | 5°50 | 22°43 | 1° 4 | 4°35 | 17°D53 | 16°33 | 13°24 | 14♉40 | T 2 |
| F 3 | 23 6 40 | 14°43'54 | 1♋41 | 10°42 | 18°30 | 22°43 | 28°15 | 5°56 | 22°45 | 1° 5 | 4°37 | 17♌54 | 16°30 | 13°31 | 14°39 | F 3 |
| S 4 | 23 10 37 | 15°42'43 | 15°29 | 11°45 | 19°45 | 23°21 | 28°23 | 6° 3 | 22°46 | 1° 7 | 4°39 | 17°55 | 16°27 | 13°38 | 14°38 | S 4 |
| S 5 | 23 14 33 | 16°41'35 | 29°43 | 12°45 | 21° 0 | 23°59 | 28°31 | 6° 9 | 22°48 | 1° 9 | 4°41 | 17°57 | 16°24 | 13°44 | 14°37 | S 5 |
| M 6 | 23 18 30 | 17°40'28 | 14♌22 | 13°42 | 22°15 | 24°37 | 28°39 | 6°16 | 22°50 | 1°10 | 4°43 | 17°R57 | 16°21 | 13°51 | 14°36 | M 6 |
| T 7 | 23 22 26 | 18°39'24 | 29°20 | 14°37 | 23°29 | 25°15 | 28°47 | 6°22 | 22°52 | 1°12 | 4°45 | 17°57 | 16°18 | 13°58 | 14°35 | T 7 |
| W 8 | 23 26 23 | 19°38'22 | 14♍31 | 15°28 | 24°44 | 25°52 | 28°56 | 6°28 | 22°55 | 1°14 | 4°47 | 17°55 | 16°14 | 14° 4 | 14°34 | W 8 |
| T 9 | 23 30 20 | 20°37'22 | 29°45 | 16°16 | 25°59 | 26°30 | 29° 4 | 6°35 | 22°57 | 1°16 | 4°50 | 17°52 | 16°11 | 14°11 | 14°34 | T 9 |
| F 10 | 23 34 16 | 21°36'24 | 14♎52 | 17° 1 | 27°14 | 27° 8 | 29°13 | 6°41 | 22°59 | 1°18 | 4°52 | 17°47 | 16° 8 | 14°18 | 14°33 | F 10 |
| S 11 | 23 38 13 | 22°35'28 | 29°43 | 17°42 | 28°29 | 27°46 | 29°21 | 6°47 | 23° 1 | 1°19 | 4°54 | 17°42 | 16° 5 | 14°24 | 14°33 | S 11 |
| S 12 | 23 42 9 | 23°34'34 | 14♏11 | 18°18 | 29°44 | 28°24 | 29°30 | 6°53 | 23° 3 | 1°21 | 4°56 | 17°37 | 16° 2 | 14°31 | 14°32 | S 12 |
| M13 | 23 46 6 | 24°33'42 | 28°10 | 18°50 | 0♎59 | 29° 2 | 29°39 | 6°59 | 23° 6 | 1°23 | 4°58 | 17°33 | 15°58 | 14°37 | 14°32 | M13 |
| T 14 | 23 50 2 | 25°32'51 | 11♐41 | 19°17 | 2°14 | 29°40 | 29°48 | 7° 5 | 23° 8 | 1°25 | 5° 0 | 17°30 | 15°55 | 14°44 | 14°32 | T 14 |
| W15 | 23 53 59 | 26°32'03 | 24°44 | 19°38 | 3°29 | 0♍18 | 29°58 | 7°11 | 23°10 | 1°27 | 5° 2 | 17°D29 | 15°52 | 14°51 | 14°31 | W15 |
| T 16 | 23 57 55 | 27°31'16 | 7♑24 | 19°53 | 4°44 | 0°56 | 0♐ 7 | 7°17 | 23°13 | 1°29 | 5° 4 | 17°30 | 15°49 | 14°57 | 14°31 | T 16 |
| F 17 | 0 1 52 | 28°30'31 | 19°45 | 20° 2 | 5°58 | 1°33 | 0°16 | 7°23 | 23°15 | 1°31 | 5° 6 | 17°31 | 15°46 | 15° 4 | 14°D31 | F 17 |
| S 18 | 0 5 49 | 29°29'48 | 1♒50 | 20°R 5 | 7°13 | 2°11 | 0°26 | 7°29 | 23°18 | 1°33 | 5° 8 | 17°33 | 15°43 | 15°11 | 14°31 | S 18 |
| S 19 | 0 9 45 | 0♎29'07 | 13°46 | 19°59 | 8°28 | 2°49 | 0°36 | 7°34 | 23°20 | 1°35 | 5°10 | 17°R34 | 15°39 | 15°17 | 14°31 | S 19 |
| M20 | 0 13 42 | 1°28'28 | 25°36 | 19°47 | 9°43 | 3°27 | 0°46 | 7°40 | 23°23 | 1°37 | 5°12 | 17°34 | 15°36 | 15°24 | 14°31 | M20 |
| T 21 | 0 17 38 | 2°27'50 | 7♓24 | 19°26 | 10°58 | 4° 5 | 0°55 | 7°45 | 23°26 | 1°39 | 5°14 | 17°31 | 15°33 | 15°31 | 14°32 | T 21 |
| W22 | 0 21 35 | 3°27'15 | 19°12 | 18°56 | 12°13 | 4°43 | 1° 5 | 7°51 | 23°28 | 1°41 | 5°16 | 17°27 | 15°30 | 15°37 | 14°32 | W22 |
| T 23 | 0 25 31 | 4°26'41 | 1♈ 4 | 18°19 | 13°28 | 5°20 | 1°16 | 7°56 | 23°31 | 1°43 | 5°18 | 17°21 | 15°27 | 15°44 | 14°32 | T 23 |
| F 24 | 0 29 28 | 5°26'10 | 13° 1 | 17°33 | 14°43 | 5°58 | 1°26 | 8° 1 | 23°34 | 1°45 | 5°20 | 17°12 | 15°23 | 15°51 | 14°33 | F 24 |
| S 25 | 0 33 24 | 6°25'41 | 25° 5 | 16°40 | 15°58 | 6°36 | 1°36 | 8° 7 | 23°36 | 1°47 | 5°22 | 17° 3 | 15°20 | 15°57 | 14°33 | S 25 |
| S 26 | 0 37 21 | 7°25'14 | 7♉17 | 15°39 | 17°13 | 7°14 | 1°46 | 8°12 | 23°39 | 1°49 | 5°24 | 16°53 | 15°17 | 16° 4 | 14°34 | S 26 |
| M27 | 0 41 17 | 8°24'49 | 19°38 | 14°33 | 18°28 | 7°52 | 1°57 | 8°17 | 23°42 | 1°51 | 5°26 | 16°44 | 15°14 | 16°11 | 14°35 | M27 |
| T 28 | 0 45 14 | 9°24'26 | 2♊ 9 | 13°22 | 19°43 | 8°29 | 2° 8 | 8°22 | 23°45 | 1°53 | 5°28 | 16°37 | 15°11 | 16°17 | 14°35 | T 28 |
| W29 | 0 49 11 | 10°24'06 | 14°54 | 12° 8 | 20°58 | 9° 7 | 2°18 | 8°27 | 23°48 | 1°55 | 5°29 | 16°31 | 15° 8 | 16°24 | 14°36 | W29 |
| T 30 | 0 53 7 | 11♎23'48 | 27♊54 | 10♎54 | 22♎13 | 9♍45 | 2♐29 | 8♌32 | 23♏51 | 1♏57 | 5♍31 | 16♌28 | 15♌ 4 | 16♓31 | 14♉37 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n48 | 16n22 | 5s 0 | 5s22 | 2s 9 | 6n49 | 1n23 | 15n34 | 1n12 | 19s21 | 0n29 | 19n37 | 0n41 | 18s22 | 0n10 | 10s11 | 1n49 | 23n 5 | 14n14 | 15n33 | 15n57 | 8s44 | 16s28 | 6n19 |
| T 2 | 6 25 | 18 32 | 4 32 | 5 56 | 2 17 | 6 19 | 1 22 | 15 22 | 1 12 | 19 23 | 0 29 | 19 35 | 0 41 | 18 23 | 0 10 | 10 12 | 1 49 | 23 4 | 14 14 | 15 33 | 15 58 | 8 42 | 16 29 | 6 19 |
| F 3 | 6 3 | 19 46 | 3 47 | 6 28 | 2 24 | 5 49 | 1 22 | 15 10 | 1 13 | 19 25 | 0 29 | 19 34 | 0 42 | 18 23 | 0 10 | 10 13 | 1 49 | 23 3 | 14 14 | 15 33 | 15 59 | 8 40 | 16 29 | 6 18 |
| S 4 | 5 40 | 19 52 | 2 49 | 6 59 | 2 32 | 5 19 | 1 21 | 14 57 | 1 13 | 19 27 | 0 28 | 19 32 | 0 42 | 18 24 | 0 10 | 10 13 | 1 49 | 23 3 | 14 14 | 15 33 | 16 0 | 8 39 | 16 30 | 6 18 |
| S 5 | 5 17 | 18 43 | 1 38 | 7 30 | 2 39 | 4 49 | 1 20 | 14 45 | 1 13 | 19 29 | 0 28 | 19 31 | 0 42 | 18 24 | 0 10 | 10 14 | 1 49 | 23 2 | 14 15 | 15 32 | 16 0 | 8 37 | 16 30 | 6 18 |
| M 6 | 4 54 | 16 18 | 0 20 | 7 59 | 2 46 | 4 19 | 1 20 | 14 32 | 1 13 | 19 31 | 0 28 | 19 29 | 0 42 | 18 25 | 0 10 | 10 14 | 1 49 | 23 1 | 14 15 | 15 32 | 16 1 | 8 35 | 16 31 | 6 17 |
| T 7 | 4 31 | 12 44 | 1n 2 | 8 26 | 2 52 | 3 48 | 1 19 | 14 19 | 1 13 | 19 33 | 0 28 | 19 28 | 0 42 | 18 26 | 0 10 | 10 15 | 1 49 | 23 1 | 14 15 | 15 32 | 16 2 | 8 33 | 16 31 | 6 17 |
| W 8 | 4 7 | 8 17 | 2 20 | 8 52 | 2 59 | 3 18 | 1 18 | 14 7 | 1 13 | 19 35 | 0 28 | 19 26 | 0 42 | 18 26 | 0 10 | 10 16 | 1 49 | 23 0 | 14 15 | 15 33 | 16 3 | 8 31 | 16 32 | 6 16 |
| T 9 | 3 44 | 3 17 | 3 29 | 9 16 | 3 5 | 2 47 | 1 17 | 13 54 | 1 13 | 19 37 | 0 27 | 19 25 | 0 42 | 18 27 | 0 10 | 10 16 | 1 49 | 22 59 | 14 15 | 15 34 | 16 4 | 8 29 | 16 32 | 6 16 |
| F 10 | 3 21 | 1s52 | 4 22 | 9 39 | 3 10 | 2 16 | 1 16 | 13 41 | 1 13 | 19 39 | 0 27 | 19 23 | 0 43 | 18 27 | 0 10 | 10 17 | 1 49 | 22 59 | 14 15 | 15 35 | 16 5 | 8 27 | 16 33 | 6 16 |
| S 11 | 2 57 | 6 48 | 4 57 | 9 59 | 3 15 | 1 45 | 1 15 | 13 28 | 1 14 | 19 41 | 0 27 | 19 22 | 0 43 | 18 28 | 0 10 | 10 18 | 1 49 | 22 58 | 14 16 | 15 37 | 16 6 | 8 26 | 16 33 | 6 15 |
| S 12 | 2 34 | 11 14 | 5 11 | 10 17 | 3 20 | 1 14 | 1 14 | 13 15 | 1 14 | 19 43 | 0 27 | 19 21 | 0 43 | 18 28 | 0 10 | 10 18 | 1 49 | 22 57 | 14 16 | 15 38 | 16 7 | 8 24 | 16 34 | 6 15 |
| M13 | 2 10 | 14 53 | 5 6 | 10 33 | 3 24 | 0 43 | 1 13 | 13 2 | 1 14 | 19 45 | 0 27 | 19 19 | 0 43 | 18 29 | 0 10 | 10 19 | 1 49 | 22 57 | 14 16 | 15 39 | 16 8 | 8 22 | 16 34 | 6 14 |
| T 14 | 1 47 | 17 37 | 4 45 | 10 46 | 3 27 | 0 12 | 1 11 | 12 48 | 1 14 | 19 47 | 0 27 | 19 18 | 0 43 | 18 30 | 0 10 | 10 20 | 1 49 | 22 56 | 14 16 | 15 40 | 16 9 | 8 20 | 16 35 | 6 14 |
| W15 | 1 23 | 19 20 | 4 9 | 10 57 | 3 29 | 0s19 | 1 10 | 12 35 | 1 14 | 19 49 | 0 26 | 19 16 | 0 43 | 18 30 | 0 10 | 10 20 | 1 49 | 22 56 | 14 16 | 15 41 | 16 10 | 8 18 | 16 35 | 6 14 |
| T 16 | 0 59 | 20 1 | 3 21 | 11 4 | 3 31 | 0 50 | 1 9 | 12 22 | 1 14 | 19 51 | 0 26 | 19 15 | 0 43 | 18 31 | 0 10 | 10 21 | 1 49 | 22 55 | 14 17 | 15 40 | 16 11 | 8 16 | 16 35 | 6 13 |
| F 17 | 0 36 | 19 43 | 2 26 | 11 8 | 3 32 | 1 21 | 1 7 | 12 8 | 1 14 | 19 54 | 0 26 | 19 14 | 0 44 | 18 31 | 0 10 | 10 22 | 1 49 | 22 55 | 14 17 | 15 40 | 16 12 | 8 14 | 16 36 | 6 13 |
| S 18 | 0 12 | 18 29 | 1 24 | 11 9 | 3 31 | 1 53 | 1 6 | 11 54 | 1 14 | 19 56 | 0 26 | 19 12 | 0 44 | 18 32 | 0 10 | 10 23 | 1 49 | 22 54 | 14 17 | 15 40 | 16 13 | 8 12 | 16 36 | 6 12 |
| S 19 | 0s12 | 16 27 | 0 21 | 11 5 | 3 30 | 2 24 | 1 4 | 11 41 | 1 14 | 19 58 | 0 26 | 19 11 | 0 44 | 18 33 | 0 10 | 10 23 | 1 49 | 22 53 | 14 17 | 15 39 | 16 14 | 8 11 | 16 37 | 6 12 |
| M20 | 0 35 | 13 44 | 0s43 | 10 57 | 3 27 | 2 55 | 1 3 | 11 27 | 1 15 | 20 0 | 0 26 | 19 10 | 0 44 | 18 33 | 0 10 | 10 24 | 1 49 | 22 53 | 14 18 | 15 39 | 16 15 | 8 9 | 16 37 | 6 11 |
| T 21 | 0 59 | 10 28 | 1 45 | 10 45 | 3 22 | 3 26 | 1 1 | 11 13 | 1 15 | 20 2 | 0 25 | 19 8 | 0 44 | 18 34 | 0 10 | 10 25 | 1 49 | 22 52 | 14 18 | 15 40 | 16 16 | 8 7 | 16 38 | 6 11 |
| W22 | 1 23 | 6 47 | 2 43 | 10 28 | 3 16 | 3 57 | 0 59 | 11 0 | 1 15 | 20 5 | 0 25 | 19 7 | 0 44 | 18 35 | 0 10 | 10 25 | 1 49 | 22 52 | 14 18 | 15 41 | 16 17 | 8 5 | 16 38 | 6 11 |
| T 23 | 1 47 | 2 50 | 3 33 | 10 7 | 3 8 | 4 28 | 0 58 | 10 46 | 1 15 | 20 7 | 0 25 | 19 6 | 0 44 | 18 36 | 0 10 | 10 26 | 1 49 | 22 51 | 14 18 | 15 43 | 16 18 | 8 3 | 16 38 | 6 10 |
| F 24 | 2 10 | 1n16 | 4 14 | 9 40 | 2 58 | 4 58 | 0 56 | 10 32 | 1 15 | 20 9 | 0 25 | 19 5 | 0 45 | 18 36 | 0 10 | 10 27 | 1 49 | 22 51 | 14 19 | 15 46 | 16 19 | 8 1 | 16 39 | 6 10 |
| S 25 | 2 34 | 5 21 | 4 45 | 9 9 | 2 47 | 5 29 | 0 54 | 10 18 | 1 15 | 20 11 | 0 25 | 19 3 | 0 45 | 18 37 | 0 10 | 10 28 | 1 49 | 22 50 | 14 19 | 15 49 | 16 19 | 7 59 | 16 39 | 6 9 |
| S 26 | 2 58 | 9 15 | 5 2 | 8 33 | 2 33 | 6 0 | 0 52 | 10 4 | 1 15 | 20 14 | 0 25 | 19 2 | 0 45 | 18 38 | 0 10 | 10 28 | 1 49 | 22 50 | 14 19 | 15 52 | 16 20 | 7 57 | 16 39 | 6 9 |
| M27 | 3 21 | 12 49 | 5 6 | 7 53 | 2 18 | 6 30 | 0 50 | 9 50 | 1 15 | 20 16 | 0 25 | 19 1 | 0 45 | 18 38 | 0 10 | 10 29 | 1 49 | 22 49 | 14 20 | 15 54 | 16 21 | 7 55 | 16 40 | 6 8 |
| T 28 | 3 45 | 15 53 | 4 55 | 7 9 | 2 1 | 7 0 | 0 48 | 9 35 | 1 15 | 20 18 | 0 24 | 19 0 | 0 45 | 18 39 | 0 10 | 10 30 | 1 48 | 22 49 | 14 20 | 15 57 | 16 22 | 7 53 | 16 40 | 6 8 |
| W29 | 4 8 | 18 14 | 4 30 | 6 24 | 1 42 | 7 31 | 0 46 | 9 21 | 1 15 | 20 20 | 0 24 | 18 59 | 0 45 | 18 40 | 0 10 | 10 31 | 1 48 | 22 49 | 14 20 | 15 58 | 16 23 | 7 51 | 16 40 | 6 8 |
| T 30 | 4s32 | 19n43 | 3s50 | 5s36 | 1s23 | 8s 1 | 0n44 | 9n 7 | 1n15 | 20s23 | 0n24 | 18n58 | 0n45 | 18s41 | 0n10 | 10s31 | 1n48 | 22n48 | 14n20 | 15n59 | 16n24 | 7s50 | 16s41 | 6n 7 |

Julian Day Number = 2077419.5, Delta T = 26m28s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'51, Lahiri = 9°34'51 Julian Calendar 1 Sept. 975 == Greg. Calendar 6 Sept. 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## OCTOBER 975 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 57 4 | 12♎23'32 | 11♋12 | 9°R40 | 23♎28 | 10♍23 | 2♐40 | 8♌36 | 23♏54 | 2♏ 0 | 5♍33 | 16°D27 | 15♌ 1 | 16♓37 | 14♉38 | F 1 |
| S 2 | 1 1 0 | 13°23'19 | 24°50 | 8♎31 | 24°43 | 11° 1 | 2°51 | 8°41 | 23°57 | 2° 2 | 5°35 | 16♌28 | 14°58 | 16°44 | 14°39 | S 2 |
| S 3 | 1 4 57 | 14°23'08 | 8♌49 | 7°27 | 25°58 | 11°38 | 3° 2 | 8°46 | 24° 0 | 2° 4 | 5°37 | 16°29 | 14°55 | 16°51 | 14°40 | S 3 |
| M 4 | 1 8 53 | 15°23'00 | 23°11 | 6°31 | 27°13 | 12°16 | 3°13 | 8°50 | 24° 3 | 2° 6 | 5°38 | 16°R29 | 14°52 | 16°57 | 14°41 | M 4 |
| T 5 | 1 12 50 | 16°22'53 | 7♍53 | 5°44 | 28°28 | 12°54 | 3°24 | 8°55 | 24° 6 | 2° 8 | 5°40 | 16°27 | 14°49 | 17° 4 | 14°43 | T 5 |
| W 6 | 1 16 46 | 17°22'49 | 22°50 | 5° 7 | 29°43 | 13°32 | 3°36 | 8°59 | 24° 9 | 2°10 | 5°42 | 16°22 | 14°45 | 17°11 | 14°44 | W 6 |
| T 7 | 1 20 43 | 18°22'47 | 7♎55 | 4°42 | 0♏58 | 14° 9 | 3°47 | 9° 3 | 24°12 | 2°13 | 5°44 | 16°16 | 14°42 | 17°17 | 14°45 | T 7 |
| F 8 | 1 24 40 | 19°22'47 | 22°59 | 4°28 | 2°13 | 14°47 | 3°59 | 9° 7 | 24°15 | 2°15 | 5°45 | 16° 7 | 14°39 | 17°24 | 14°47 | F 8 |
| S 9 | 1 28 36 | 20°22'49 | 7♏52 | 4°D25 | 3°28 | 15°25 | 4°10 | 9°11 | 24°18 | 2°17 | 5°47 | 15°56 | 14°36 | 17°31 | 14°48 | S 9 |
| S 10 | 1 32 33 | 21°22'52 | 22°25 | 4°34 | 4°43 | 16° 3 | 4°22 | 9°15 | 24°22 | 2°19 | 5°49 | 15°46 | 14°33 | 17°37 | 14°50 | S 10 |
| M11 | 1 36 29 | 22°22'58 | 6♐31 | 4°53 | 5°58 | 16°40 | 4°34 | 9°19 | 24°25 | 2°22 | 5°50 | 15°37 | 14°29 | 17°44 | 14°52 | M11 |
| T 12 | 1 40 26 | 23°23'05 | 20° 8 | 5°22 | 7°13 | 17°18 | 4°45 | 9°23 | 24°28 | 2°24 | 5°52 | 15°30 | 14°26 | 17°51 | 14°54 | T 12 |
| W13 | 1 44 22 | 24°23'14 | 3♑17 | 6° 0 | 8°28 | 17°56 | 4°57 | 9°27 | 24°31 | 2°26 | 5°53 | 15°26 | 14°23 | 17°57 | 14°55 | W13 |
| T 14 | 1 48 19 | 25°23'25 | 16° 0 | 6°47 | 9°43 | 18°33 | 5° 9 | 9°30 | 24°35 | 2°28 | 5°55 | 15°24 | 14°20 | 18° 4 | 14°57 | T 14 |
| F 15 | 1 52 15 | 26°23'37 | 28°21 | 7°40 | 10°58 | 19°11 | 5°21 | 9°34 | 24°38 | 2°30 | 5°57 | 15°D24 | 14°17 | 18°11 | 14°59 | F 15 |
| S 16 | 1 56 12 | 27°23'51 | 10♒26 | 8°40 | 12°13 | 19°49 | 5°33 | 9°37 | 24°42 | 2°33 | 5°58 | 15°R24 | 14°14 | 18°17 | 15° 1 | S 16 |
| S 17 | 2 0 9 | 28°24'06 | 22°20 | 9°46 | 13°28 | 20°26 | 5°45 | 9°41 | 24°45 | 2°35 | 6° 0 | 15°24 | 14°10 | 18°24 | 15° 3 | S 17 |
| M18 | 2 4 5 | 29°24'23 | 4♓ 9 | 10°57 | 14°43 | 21° 4 | 5°58 | 9°44 | 24°48 | 2°37 | 6° 1 | 15°22 | 14° 7 | 18°31 | 15° 6 | M18 |
| T 19 | 2 8 2 | 0♏24'41 | 15°56 | 12°12 | 15°58 | 21°42 | 6°10 | 9°47 | 24°52 | 2°39 | 6° 2 | 15°18 | 14° 4 | 18°37 | 15° 8 | T 19 |
| W20 | 2 11 58 | 1°25'01 | 27°47 | 13°30 | 17°13 | 22°19 | 6°22 | 9°50 | 24°55 | 2°42 | 6° 4 | 15°11 | 14° 1 | 18°44 | 15°10 | W20 |
| T 21 | 2 15 55 | 2°25'22 | 9♈44 | 14°52 | 18°27 | 22°57 | 6°35 | 9°53 | 24°59 | 2°44 | 6° 5 | 15° 2 | 13°58 | 18°51 | 15°12 | T 21 |
| F 22 | 2 19 51 | 3°25'46 | 21°50 | 16°16 | 19°42 | 23°34 | 6°47 | 9°56 | 25° 2 | 2°46 | 6° 7 | 14°50 | 13°55 | 18°57 | 15°15 | F 22 |
| S 23 | 2 23 48 | 4°26'10 | 4♉ 5 | 17°42 | 20°57 | 24°12 | 7° 0 | 9°59 | 25° 6 | 2°48 | 6° 8 | 14°36 | 13°51 | 19° 4 | 15°17 | S 23 |
| S 24 | 2 27 44 | 5°26'37 | 16°32 | 19°10 | 22°12 | 24°50 | 7°12 | 10° 1 | 25° 9 | 2°51 | 6° 9 | 14°22 | 13°48 | 19°11 | 15°20 | S 24 |
| M25 | 2 31 41 | 6°27'05 | 29° 9 | 20°40 | 23°27 | 25°27 | 7°25 | 10° 4 | 25°13 | 2°53 | 6°10 | 14° 9 | 13°45 | 19°17 | 15°22 | M25 |
| T 26 | 2 35 38 | 7°27'35 | 11♊57 | 22°10 | 24°42 | 26° 5 | 7°38 | 10° 6 | 25°16 | 2°55 | 6°12 | 13°57 | 13°42 | 19°24 | 15°25 | T 26 |
| W27 | 2 39 34 | 8°28'07 | 24°56 | 23°42 | 25°57 | 26°42 | 7°50 | 10° 9 | 25°20 | 2°57 | 6°13 | 13°49 | 13°39 | 19°31 | 15°28 | W27 |
| T 28 | 2 43 31 | 9°28'41 | 8♋ 6 | 25°15 | 27°12 | 27°20 | 8° 3 | 10°11 | 25°23 | 3° 0 | 6°14 | 13°43 | 13°35 | 19°38 | 15°31 | T 28 |
| F 29 | 2 47 27 | 10°29'16 | 21°28 | 26°48 | 28°27 | 27°58 | 8°16 | 10°13 | 25°27 | 3° 2 | 6°15 | 13°40 | 13°32 | 19°44 | 15°34 | F 29 |
| S 30 | 2 51 24 | 11°29'53 | 5♌ 4 | 28°21 | 29°42 | 28°35 | 8°29 | 10°15 | 25°30 | 3° 4 | 6°16 | 13°39 | 13°29 | 19°51 | 15°36 | S 30 |
| S 31 | 2 55 20 | 12♏30'32 | 18♌55 | 29♎55 | 0♐57 | 29♍13 | 8♐42 | 10♌17 | 25♏34 | 3♏ 6 | 6♍18 | 13♌39 | 13♌26 | 19♓58 | 15♉39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 4s55 | 20n 9 | 2s58 | 4s49 | 1s 3 | 8s30 | 0n42 | 8n53 | 1n15 | 20s25 | 0n24 | 18n57 | 0n46 | 18s41 | 0n10 | 10s32 | 1n48 | 22n48 | 14n21 | 15n59 | 16n25 | 7s48 | 16s41 | 6n 7 | F 1 |
| S 2 | 5 19 | 19 25 | 1 53 | 4 2 | 0 42 | 9 0 | 0 40 | 8 38 | 1 15 | 20 27 | 0 24 | 18 55 | 0 46 | 18 42 | 0 10 | 10 33 | 1 48 | 22 47 | 14 21 | 15 59 | 16 26 | 7 46 | 16 41 | 6 6 | S 2 |
| S 3 | 5 42 | 17 30 | 0 41 | 3 18 | 0 21 | 9 30 | 0 38 | 8 24 | 1 15 | 20 30 | 0 24 | 18 54 | 0 46 | 18 43 | 0 10 | 10 34 | 1 48 | 22 47 | 14 21 | 15 59 | 16 27 | 7 44 | 16 42 | 6 6 | S 3 |
| M 4 | 6 5 | 14 26 | 0n36 | 2 37 | 0 1 | 9 59 | 0 36 | 8 9 | 1 16 | 20 32 | 0 24 | 18 53 | 0 46 | 18 44 | 0 10 | 10 34 | 1 48 | 22 47 | 14 22 | 15 59 | 16 28 | 7 42 | 16 42 | 6 5 | M 4 |
| T 5 | 6 29 | 10 23 | 1 52 | 2 1 | 0n18 | 10 28 | 0 34 | 7 55 | 1 16 | 20 34 | 0 23 | 18 52 | 0 46 | 18 44 | 0 10 | 10 35 | 1 48 | 22 46 | 14 22 | 16 0 | 16 29 | 7 40 | 16 42 | 6 5 | T 5 |
| W 6 | 6 52 | 5 38 | 3 1 | 1 30 | 0 36 | 10 57 | 0 31 | 7 40 | 1 16 | 20 36 | 0 23 | 18 51 | 0 46 | 18 45 | 0 10 | 10 36 | 1 48 | 22 46 | 14 23 | 16 1 | 16 30 | 7 38 | 16 43 | 6 5 | W 6 |
| T 7 | 7 15 | 0 30 | 3 59 | 1 4 | 0 53 | 11 25 | 0 29 | 7 26 | 1 16 | 20 39 | 0 23 | 18 50 | 0 47 | 18 46 | 0 10 | 10 37 | 1 48 | 22 46 | 14 23 | 16 3 | 16 31 | 7 36 | 16 43 | 6 4 | T 7 |
| F 8 | 7 37 | 4s40 | 4 39 | 0 45 | 1 8 | 11 53 | 0 27 | 7 11 | 1 16 | 20 41 | 0 23 | 18 49 | 0 47 | 18 47 | 0 10 | 10 38 | 1 48 | 22 45 | 14 23 | 16 6 | 16 32 | 7 34 | 16 43 | 6 4 | F 8 |
| S 9 | 8 0 | 9 28 | 5 0 | 0 31 | 1 22 | 12 21 | 0 25 | 6 57 | 1 16 | 20 43 | 0 23 | 18 49 | 0 47 | 18 48 | 0 10 | 10 38 | 1 48 | 22 45 | 14 24 | 16 9 | 16 33 | 7 32 | 16 43 | 6 3 | S 9 |
| S 10 | 8 23 | 13 37 | 5 1 | 0 24 | 1 33 | 12 49 | 0 22 | 6 42 | 1 16 | 20 46 | 0 23 | 18 48 | 0 47 | 18 48 | 0 10 | 10 39 | 1 48 | 22 45 | 14 24 | 16 12 | 16 34 | 7 30 | 16 44 | 6 3 | S 10 |
| M11 | 8 46 | 16 51 | 4 44 | 0 22 | 1 43 | 13 16 | 0 20 | 6 27 | 1 16 | 20 48 | 0 23 | 18 47 | 0 47 | 18 49 | 0 10 | 10 40 | 1 48 | 22 44 | 14 24 | 16 14 | 16 34 | 7 28 | 16 44 | 6 3 | M11 |
| T 12 | 9 8 | 19 2 | 4 10 | 0 26 | 1 52 | 13 43 | 0 17 | 6 12 | 1 16 | 20 50 | 0 22 | 18 46 | 0 47 | 18 50 | 0 10 | 10 41 | 1 48 | 22 44 | 14 25 | 16 16 | 16 35 | 7 26 | 16 44 | 6 2 | T 12 |
| W13 | 9 30 | 20 7 | 3 24 | 0 35 | 1 59 | 14 10 | 0 15 | 5 58 | 1 16 | 20 52 | 0 22 | 18 45 | 0 48 | 18 51 | 0 10 | 10 41 | 1 48 | 22 44 | 14 25 | 16 18 | 16 36 | 7 24 | 16 44 | 6 2 | W13 |
| T 14 | 9 52 | 20 8 | 2 30 | 0 48 | 2 4 | 14 36 | 0 13 | 5 43 | 1 16 | 20 55 | 0 22 | 18 44 | 0 48 | 18 52 | 0 10 | 10 42 | 1 48 | 22 44 | 14 26 | 16 18 | 16 37 | 7 22 | 16 44 | 6 1 | T 14 |
| F 15 | 10 14 | 19 9 | 1 29 | 1 6 | 2 8 | 15 2 | 0 10 | 5 28 | 1 16 | 20 57 | 0 22 | 18 43 | 0 48 | 18 52 | 0 10 | 10 43 | 1 48 | 22 43 | 14 26 | 16 18 | 16 38 | 7 20 | 16 45 | 6 1 | F 15 |
| S 16 | 10 36 | 17 18 | 0 26 | 1 27 | 2 11 | 15 28 | 0 8 | 5 13 | 1 16 | 20 59 | 0 22 | 18 43 | 0 48 | 18 53 | 0 10 | 10 44 | 1 48 | 22 43 | 14 26 | 16 18 | 16 39 | 7 19 | 16 45 | 6 1 | S 16 |
| S 17 | 10 58 | 14 43 | 0s37 | 1 52 | 2 12 | 15 53 | 0 5 | 4 58 | 1 16 | 21 2 | 0 22 | 18 42 | 0 48 | 18 54 | 0 10 | 10 44 | 1 48 | 22 43 | 14 27 | 16 18 | 16 40 | 7 17 | 16 45 | 6 0 | S 17 |
| M18 | 11 19 | 11 34 | 1 38 | 2 19 | 2 13 | 16 18 | 0 3 | 4 43 | 1 16 | 21 4 | 0 22 | 18 41 | 0 48 | 18 55 | 0 10 | 10 45 | 1 48 | 22 43 | 14 27 | 16 19 | 16 41 | 7 15 | 16 45 | 6 0 | M18 |
| T 19 | 11 41 | 7 57 | 2 34 | 2 49 | 2 12 | 16 42 | 0 0 | 4 28 | 1 16 | 21 6 | 0 21 | 18 41 | 0 49 | 18 56 | 0 10 | 10 46 | 1 48 | 22 43 | 14 28 | 16 20 | 16 42 | 7 13 | 16 45 | 5 59 | T 19 |
| W20 | 12 2 | 4 1 | 3 25 | 3 21 | 2 11 | 17 6 | 0s 2 | 4 14 | 1 16 | 21 8 | 0 21 | 18 40 | 0 49 | 18 57 | 0 10 | 10 47 | 1 48 | 22 43 | 14 28 | 16 22 | 16 43 | 7 11 | 16 45 | 5 59 | W20 |
| T 21 | 12 23 | 0n 7 | 4 6 | 3 55 | 2 9 | 17 30 | 0 5 | 3 59 | 1 16 | 21 11 | 0 21 | 18 39 | 0 49 | 18 58 | 0 10 | 10 48 | 1 48 | 22 42 | 14 28 | 16 25 | 16 44 | 7 9 | 16 46 | 5 59 | T 21 |
| F 22 | 12 44 | 4 16 | 4 37 | 4 30 | 2 6 | 17 53 | 0 7 | 3 44 | 1 16 | 21 13 | 0 21 | 18 39 | 0 49 | 18 58 | 0 10 | 10 48 | 1 48 | 22 42 | 14 29 | 16 29 | 16 45 | 7 7 | 16 46 | 5 58 | F 22 |
| S 23 | 13 4 | 8 19 | 4 55 | 5 6 | 2 3 | 18 15 | 0 10 | 3 29 | 1 16 | 21 15 | 0 21 | 18 38 | 0 49 | 18 59 | 0 10 | 10 49 | 1 48 | 22 42 | 14 29 | 16 33 | 16 46 | 7 5 | 16 46 | 5 58 | S 23 |
| S 24 | 13 25 | 12 5 | 5 0 | 5 43 | 1 59 | 18 37 | 0 12 | 3 14 | 1 16 | 21 17 | 0 21 | 18 38 | 0 50 | 19 0 | 0 10 | 10 50 | 1 48 | 22 42 | 14 30 | 16 37 | 16 46 | 7 3 | 16 46 | 5 57 | S 24 |
| M25 | 13 45 | 15 21 | 4 50 | 6 21 | 1 54 | 18 59 | 0 15 | 2 59 | 1 16 | 21 20 | 0 21 | 18 37 | 0 50 | 19 1 | 0 10 | 10 51 | 1 48 | 22 42 | 14 30 | 16 41 | 16 47 | 7 1 | 16 46 | 5 57 | M25 |
| T 26 | 14 5 | 17 57 | 4 26 | 6 59 | 1 49 | 19 20 | 0 17 | 2 44 | 1 16 | 21 22 | 0 21 | 18 37 | 0 50 | 19 2 | 0 10 | 10 51 | 1 48 | 22 42 | 14 31 | 16 44 | 16 48 | 6 59 | 16 46 | 5 57 | T 26 |
| W27 | 14 24 | 19 41 | 3 47 | 7 38 | 1 44 | 19 40 | 0 20 | 2 29 | 1 16 | 21 24 | 0 20 | 18 36 | 0 50 | 19 3 | 0 10 | 10 52 | 1 48 | 22 42 | 14 31 | 16 46 | 16 49 | 6 57 | 16 46 | 5 56 | W27 |
| T 28 | 14 44 | 20 24 | 2 56 | 8 17 | 1 39 | 20 0 | 0 23 | 2 14 | 1 16 | 21 26 | 0 20 | 18 36 | 0 50 | 19 4 | 0 10 | 10 53 | 1 48 | 22 42 | 14 32 | 16 48 | 16 50 | 6 55 | 16 46 | 5 56 | T 28 |
| F 29 | 15 3 | 19 58 | 1 54 | 8 56 | 1 33 | 20 20 | 0 25 | 1 59 | 1 16 | 21 28 | 0 20 | 18 35 | 0 50 | 19 4 | 0 10 | 10 54 | 1 48 | 22 42 | 14 32 | 16 49 | 16 51 | 6 53 | 16 46 | 5 56 | F 29 |
| S 30 | 15 22 | 18 22 | 0 45 | 9 35 | 1 27 | 20 39 | 0 28 | 1 44 | 1 16 | 21 31 | 0 20 | 18 35 | 0 51 | 19 5 | 0 10 | 10 54 | 1 48 | 22 42 | 14 32 | 16 49 | 16 52 | 6 51 | 16 46 | 5 55 | S 30 |
| S 31 | 15s41 | 15n40 | 0n28 | 10s15 | 1n21 | 20s57 | 0s30 | 1n28 | 1n16 | 21s33 | 0n20 | 18n35 | 0n51 | 19s 6 | 0n10 | 10s55 | 1n48 | 22n42 | 14n33 | 16n49 | 16n53 | 6s49 | 16s46 | 5n55 | S 31 |

Julian Day Number = 2077449.5, Delta T = 26m27s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'55, Lahiri = 9°34'55 Julian Calendar 1 Oct. 975 == Greg. Calendar 6 Oct. 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## NOVEMBER 975 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 2 59 17 | 13♏31'13 | 3♍ 2 | 1♏29 | 2♐12 | 29♍50 | 8♐55 | 10♌19 | 25♏38 | 3♏ 9 | 6♍19 | 13°R39 | 13♌23 | 20♓ 4 | 15♉43 | M 1 |
| T 2 | 3 3 13 | 14°31'56 | 17°23 | 3° 4 | 3°27 | 0♎28 | 9° 8 | 10°20 | 25°41 | 3°11 | 6°20 | 13♌36 | 13°20 | 20°11 | 15°46 | T 2 |
| W 3 | 3 7 10 | 15°32'40 | 1♎58 | 4°38 | 4°42 | 1° 5 | 9°21 | 10°22 | 25°45 | 3°13 | 6°21 | 13°31 | 13°16 | 20°18 | 15°49 | W 3 |
| T 4 | 3 11 7 | 16°33'26 | 16°40 | 6°13 | 5°57 | 1°43 | 9°34 | 10°23 | 25°49 | 3°15 | 6°22 | 13°23 | 13°13 | 20°24 | 15°52 | T 4 |
| F 5 | 3 15 3 | 17°34'13 | 1♏24 | 7°48 | 7°12 | 2°20 | 9°48 | 10°25 | 25°52 | 3°17 | 6°23 | 13°12 | 13°10 | 20°31 | 15°55 | F 5 |
| S 6 | 3 19 0 | 18°35'02 | 16° 1 | 9°22 | 8°26 | 2°58 | 10° 1 | 10°26 | 25°56 | 3°20 | 6°24 | 13° 0 | 13° 7 | 20°38 | 15°59 | S 6 |
| S 7 | 3 22 56 | 19°35'52 | 0♐23 | 10°57 | 9°41 | 3°35 | 10°14 | 10°27 | 26° 0 | 3°22 | 6°25 | 12°47 | 13° 4 | 20°44 | 16° 2 | S 7 |
| M 8 | 3 26 53 | 20°36'44 | 14°25 | 12°31 | 10°56 | 4°13 | 10°27 | 10°28 | 26° 3 | 3°24 | 6°25 | 12°36 | 13° 0 | 20°51 | 16° 5 | M 8 |
| T 9 | 3 30 49 | 21°37'36 | 28° 2 | 14° 6 | 12°11 | 4°50 | 10°41 | 10°29 | 26° 7 | 3°26 | 6°26 | 12°27 | 12°57 | 20°58 | 16° 9 | T 9 |
| W10 | 3 34 46 | 22°38'30 | 11♑12 | 15°40 | 13°26 | 5°28 | 10°54 | 10°30 | 26°11 | 3°28 | 6°27 | 12°21 | 12°54 | 21° 4 | 16°12 | W10 |
| T 11 | 3 38 42 | 23°39'25 | 23°58 | 17°15 | 14°41 | 6° 5 | 11° 7 | 10°30 | 26°14 | 3°31 | 6°28 | 12°18 | 12°51 | 21°11 | 16°16 | T 11 |
| F 12 | 3 42 39 | 24°40'20 | 6♒22 | 18°49 | 15°56 | 6°43 | 11°21 | 10°31 | 26°18 | 3°33 | 6°29 | 12°16 | 12°48 | 21°18 | 16°20 | F 12 |
| S 13 | 3 46 36 | 25°41'17 | 18°30 | 20°24 | 17°11 | 7°20 | 11°34 | 10°31 | 26°22 | 3°35 | 6°29 | 12°D16 | 12°45 | 21°24 | 16°23 | S 13 |
| S 14 | 3 50 32 | 26°42'14 | 0♓25 | 21°58 | 18°26 | 7°57 | 11°48 | 10°32 | 26°25 | 3°37 | 6°30 | 12°R16 | 12°41 | 21°31 | 16°27 | S 14 |
| M15 | 3 54 29 | 27°43'12 | 12°15 | 23°32 | 19°40 | 8°35 | 12° 1 | 10°32 | 26°29 | 3°39 | 6°31 | 12°15 | 12°38 | 21°38 | 16°31 | M15 |
| T 16 | 3 58 25 | 28°44'10 | 24° 3 | 25° 6 | 20°55 | 9°12 | 12°15 | 10°32 | 26°33 | 3°41 | 6°31 | 12°12 | 12°35 | 21°44 | 16°35 | T 16 |
| W17 | 4 2 22 | 29°45'10 | 5♈57 | 26°40 | 22°10 | 9°50 | 12°29 | 10°R32 | 26°36 | 3°43 | 6°32 | 12° 7 | 12°32 | 21°51 | 16°39 | W17 |
| T 18 | 4 6 18 | 0♐46'10 | 17°58 | 28°15 | 23°25 | 10°27 | 12°42 | 10°32 | 26°40 | 3°45 | 6°32 | 11°58 | 12°29 | 21°58 | 16°42 | T 18 |
| F 19 | 4 10 15 | 1°47'11 | 0♉11 | 29°49 | 24°40 | 11° 4 | 12°56 | 10°32 | 26°44 | 3°47 | 6°33 | 11°48 | 12°26 | 22° 4 | 16°46 | F 19 |
| S 20 | 4 14 11 | 2°48'12 | 12°38 | 1♐23 | 25°54 | 11°42 | 13° 9 | 10°31 | 26°47 | 3°49 | 6°34 | 11°35 | 12°22 | 22°11 | 16°50 | S 20 |
| S 21 | 4 18 8 | 3°49'15 | 25°20 | 2°57 | 27° 9 | 12°19 | 13°23 | 10°31 | 26°51 | 3°51 | 6°34 | 11°23 | 12°19 | 22°18 | 16°54 | S 21 |
| M22 | 4 22 5 | 4°50'18 | 8♊17 | 4°32 | 28°24 | 12°56 | 13°37 | 10°30 | 26°55 | 3°53 | 6°34 | 11°11 | 12°16 | 22°24 | 16°59 | M22 |
| T 23 | 4 26 1 | 5°51'22 | 21°26 | 6° 6 | 29°39 | 13°33 | 13°50 | 10°30 | 26°58 | 3°55 | 6°35 | 11° 0 | 12°13 | 22°31 | 17° 3 | T 23 |
| W24 | 4 29 58 | 6°52'27 | 4♋48 | 7°41 | 0♑53 | 14°11 | 14° 4 | 10°29 | 27° 2 | 3°57 | 6°35 | 10°52 | 12°10 | 22°38 | 17° 7 | W24 |
| T 25 | 4 33 54 | 7°53'33 | 18°20 | 9°15 | 2° 8 | 14°48 | 14°18 | 10°28 | 27° 6 | 3°59 | 6°35 | 10°48 | 12° 6 | 22°44 | 17°11 | T 25 |
| F 26 | 4 37 51 | 8°54'39 | 2♌ 0 | 10°50 | 3°23 | 15°25 | 14°32 | 10°27 | 27° 9 | 4° 1 | 6°36 | 10°45 | 12° 3 | 22°51 | 17°15 | F 26 |
| S 27 | 4 41 47 | 9°55'47 | 15°49 | 12°25 | 4°37 | 16° 2 | 14°45 | 10°26 | 27°13 | 4° 3 | 6°36 | 10°D45 | 12° 0 | 22°58 | 17°20 | S 27 |
| S 28 | 4 45 44 | 10°56'55 | 29°44 | 14° 0 | 5°52 | 16°39 | 14°59 | 10°25 | 27°17 | 4° 5 | 6°36 | 10°46 | 11°57 | 23° 4 | 17°24 | S 28 |
| M29 | 4 49 40 | 11°58'04 | 13♍47 | 15°35 | 7° 7 | 17°17 | 15°13 | 10°23 | 27°20 | 4° 7 | 6°36 | 10°R46 | 11°54 | 23°11 | 17°28 | M29 |
| T 30 | 4 53 37 | 12♐59'14 | 27♍55 | 17♐11 | 8♑21 | 17♎54 | 15♐27 | 10♌22 | 27♏24 | 4♏ 9 | 6♍37 | 10♌45 | 11♌51 | 23♓18 | 17♉33 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 15s59 | 12n 1 | 1n41 | 10s53 | 1n15 | 21s15 | 0s33 | 1n13 | 1n16 | 21s35 | 0n20 | 18n34 | 0n51 | 19s 7 | 0n10 | 10s56 | 1n48 | 22n42 | 14n33 | 16n49 | 16n54 | 6s47 | 16s46 | 5n55 | M 1 |
| T 2 | 16 17 | 7 35 | 2 48 | 11 32 | 1 8 | 21 32 | 0 35 | 0 58 | 1 16 | 21 37 | 0 20 | 18 34 | 0 51 | 19 8 | 0 10 | 10 57 | 1 48 | 22 42 | 14 34 | 16 50 | 16 55 | 6 45 | 16 46 | 5 54 | T 2 |
| W 3 | 16 35 | 2 40 | 3 46 | 12 10 | 1 2 | 21 48 | 0 37 | 0 43 | 1 16 | 21 39 | 0 20 | 18 34 | 0 51 | 19 9 | 0 10 | 10 57 | 1 48 | 22 42 | 14 34 | 16 51 | 16 56 | 6 43 | 16 46 | 5 54 | W 3 |
| T 4 | 16 53 | 2s27 | 4 29 | 12 48 | 0 55 | 22 4 | 0 40 | 0 28 | 1 16 | 21 41 | 0 20 | 18 34 | 0 52 | 19 10 | 0 10 | 10 58 | 1 48 | 22 42 | 14 35 | 16 54 | 16 57 | 6 41 | 16 46 | 5 53 | T 4 |
| F 5 | 17 10 | 7 25 | 4 54 | 13 26 | 0 48 | 22 19 | 0 42 | 0 13 | 1 16 | 21 43 | 0 19 | 18 33 | 0 52 | 19 11 | 0 9 | 10 59 | 1 48 | 22 42 | 14 35 | 16 57 | 16 57 | 6 39 | 16 46 | 5 53 | F 5 |
| S 6 | 17 27 | 11 56 | 5 0 | 14 2 | 0 41 | 22 34 | 0 45 | 0s 2 | 1 16 | 21 45 | 0 19 | 18 33 | 0 52 | 19 11 | 0 9 | 11 0 | 1 48 | 22 42 | 14 36 | 17 0 | 16 58 | 6 37 | 16 46 | 5 53 | S 6 |
| S 7 | 17 44 | 15 40 | 4 46 | 14 39 | 0 34 | 22 48 | 0 47 | 0 17 | 1 16 | 21 47 | 0 19 | 18 33 | 0 52 | 19 12 | 0 9 | 11 0 | 1 48 | 22 42 | 14 36 | 17 4 | 16 59 | 6 35 | 16 46 | 5 53 | S 7 |
| M 8 | 18 0 | 18 25 | 4 16 | 15 15 | 0 28 | 23 1 | 0 49 | 0 32 | 1 16 | 21 49 | 0 19 | 18 33 | 0 52 | 19 13 | 0 9 | 11 1 | 1 48 | 22 42 | 14 37 | 17 7 | 17 0 | 6 33 | 16 46 | 5 52 | M 8 |
| T 9 | 18 16 | 20 2 | 3 31 | 15 50 | 0 21 | 23 14 | 0 52 | 0 47 | 1 16 | 21 51 | 0 19 | 18 33 | 0 53 | 19 14 | 0 9 | 11 2 | 1 48 | 22 43 | 14 37 | 17 10 | 17 1 | 6 31 | 16 46 | 5 52 | T 9 |
| W10 | 18 32 | 20 30 | 2 37 | 16 24 | 0 14 | 23 26 | 0 54 | 1 2 | 1 16 | 21 53 | 0 19 | 18 33 | 0 53 | 19 15 | 0 9 | 11 3 | 1 48 | 22 43 | 14 38 | 17 11 | 17 2 | 6 29 | 16 46 | 5 52 | W10 |
| T 11 | 18 47 | 19 52 | 1 35 | 16 58 | 0 7 | 23 37 | 0 56 | 1 17 | 1 15 | 21 55 | 0 19 | 18 33 | 0 53 | 19 16 | 0 9 | 11 3 | 1 48 | 22 43 | 14 38 | 17 12 | 17 3 | 6 27 | 16 46 | 5 51 | T 11 |
| F 12 | 19 2 | 18 17 | 0 31 | 17 31 | 0 0 | 23 47 | 0 58 | 1 32 | 1 15 | 21 57 | 0 19 | 18 33 | 0 53 | 19 17 | 0 9 | 11 4 | 1 48 | 22 43 | 14 39 | 17 13 | 17 4 | 6 25 | 16 45 | 5 51 | F 12 |
| S 13 | 19 17 | 15 53 | 0s33 | 18 3 | 0s 6 | 23 57 | 1 1 | 1 46 | 1 15 | 21 59 | 0 19 | 18 33 | 0 53 | 19 18 | 0 9 | 11 5 | 1 48 | 22 43 | 14 39 | 17 13 | 17 5 | 6 23 | 16 45 | 5 51 | S 13 |
| S 14 | 19 32 | 12 52 | 1 35 | 18 34 | 0 13 | 24 6 | 1 3 | 2 1 | 1 15 | 22 1 | 0 18 | 18 33 | 0 53 | 19 18 | 0 9 | 11 5 | 1 49 | 22 43 | 14 40 | 17 13 | 17 6 | 6 21 | 16 45 | 5 50 | S 14 |
| M15 | 19 46 | 9 21 | 2 32 | 19 5 | 0 20 | 24 15 | 1 5 | 2 16 | 1 15 | 22 3 | 0 18 | 18 33 | 0 54 | 19 19 | 0 9 | 11 6 | 1 49 | 22 44 | 14 40 | 17 13 | 17 6 | 6 19 | 16 45 | 5 50 | M15 |
| T 16 | 19 59 | 5 28 | 3 23 | 19 34 | 0 26 | 24 22 | 1 7 | 2 31 | 1 15 | 22 5 | 0 18 | 18 33 | 0 54 | 19 20 | 0 9 | 11 7 | 1 49 | 22 44 | 14 41 | 17 14 | 17 7 | 6 17 | 16 45 | 5 50 | T 16 |
| W17 | 20 13 | 1 22 | 4 5 | 20 3 | 0 33 | 24 29 | 1 9 | 2 46 | 1 15 | 22 7 | 0 18 | 18 34 | 0 54 | 19 21 | 0 9 | 11 7 | 1 49 | 22 44 | 14 41 | 17 15 | 17 8 | 6 15 | 16 45 | 5 50 | W17 |
| T 18 | 20 25 | 2n50 | 4 36 | 20 31 | 0 39 | 24 35 | 1 11 | 3 1 | 1 15 | 22 9 | 0 18 | 18 34 | 0 54 | 19 22 | 0 9 | 11 8 | 1 49 | 22 44 | 14 42 | 17 18 | 17 9 | 6 13 | 16 44 | 5 49 | T 18 |
| F 19 | 20 38 | 6 59 | 4 56 | 20 57 | 0 45 | 24 41 | 1 13 | 3 15 | 1 15 | 22 11 | 0 18 | 18 34 | 0 54 | 19 23 | 0 9 | 11 9 | 1 49 | 22 45 | 14 42 | 17 21 | 17 10 | 6 11 | 16 44 | 5 49 | F 19 |
| S 20 | 20 50 | 10 55 | 5 2 | 21 23 | 0 51 | 24 45 | 1 15 | 3 30 | 1 15 | 22 12 | 0 18 | 18 34 | 0 55 | 19 24 | 0 9 | 11 9 | 1 49 | 22 45 | 14 43 | 17 24 | 17 11 | 6 9 | 16 44 | 5 49 | S 20 |
| S 21 | 21 2 | 14 27 | 4 53 | 21 48 | 0 57 | 24 49 | 1 17 | 3 45 | 1 15 | 22 14 | 0 18 | 18 35 | 0 55 | 19 25 | 0 9 | 11 10 | 1 49 | 22 45 | 14 44 | 17 28 | 17 12 | 6 7 | 16 44 | 5 49 | S 21 |
| M22 | 21 13 | 17 22 | 4 29 | 22 12 | 1 3 | 24 52 | 1 19 | 4 0 | 1 15 | 22 16 | 0 18 | 18 35 | 0 55 | 19 25 | 0 9 | 11 11 | 1 49 | 22 46 | 14 44 | 17 31 | 17 13 | 6 5 | 16 44 | 5 48 | M22 |
| T 23 | 21 24 | 19 27 | 3 51 | 22 34 | 1 8 | 24 55 | 1 20 | 4 14 | 1 14 | 22 18 | 0 17 | 18 35 | 0 55 | 19 26 | 0 9 | 11 11 | 1 49 | 22 46 | 14 45 | 17 34 | 17 14 | 6 3 | 16 43 | 5 48 | T 23 |
| W24 | 21 35 | 20 30 | 2 59 | 22 56 | 1 14 | 24 56 | 1 22 | 4 29 | 1 14 | 22 20 | 0 17 | 18 36 | 0 55 | 19 27 | 0 9 | 11 12 | 1 49 | 22 46 | 14 45 | 17 36 | 17 15 | 6 1 | 16 43 | 5 48 | W24 |
| T 25 | 21 45 | 20 23 | 1 57 | 23 16 | 1 19 | 24 57 | 1 24 | 4 43 | 1 14 | 22 21 | 0 17 | 18 36 | 0 56 | 19 28 | 0 9 | 11 13 | 1 49 | 22 47 | 14 46 | 17 37 | 17 15 | 5 59 | 16 43 | 5 48 | T 25 |
| F 26 | 21 54 | 19 4 | 0 47 | 23 35 | 1 24 | 24 57 | 1 25 | 4 58 | 1 14 | 22 23 | 0 17 | 18 37 | 0 56 | 19 29 | 0 9 | 11 13 | 1 49 | 22 47 | 14 46 | 17 38 | 17 16 | 5 56 | 16 42 | 5 47 | F 26 |
| S 27 | 22 4 | 16 37 | 0n27 | 23 53 | 1 29 | 24 56 | 1 27 | 5 12 | 1 14 | 22 25 | 0 17 | 18 37 | 0 56 | 19 30 | 0 9 | 11 14 | 1 49 | 22 47 | 14 47 | 17 38 | 17 17 | 5 54 | 16 42 | 5 47 | S 27 |
| S 28 | 22 12 | 13 11 | 1 40 | 24 10 | 1 34 | 24 55 | 1 29 | 5 27 | 1 14 | 22 26 | 0 17 | 18 38 | 0 56 | 19 30 | 0 9 | 11 14 | 1 49 | 22 48 | 14 47 | 17 38 | 17 18 | 5 52 | 16 42 | 5 47 | S 28 |
| M29 | 22 21 | 8 59 | 2 47 | 24 25 | 1 38 | 24 53 | 1 30 | 5 41 | 1 14 | 22 28 | 0 17 | 18 38 | 0 56 | 19 31 | 0 9 | 11 15 | 1 49 | 22 48 | 14 48 | 17 38 | 17 19 | 5 50 | 16 41 | 5 47 | M29 |
| T 30 | 22s29 | 4n16 | 3n45 | 24s39 | 1s43 | 24s49 | 1s31 | 5s56 | 1n14 | 22s30 | 0n17 | 18n39 | 0n57 | 19s32 | 0n 9 | 11s16 | 1n49 | 22n49 | 14n48 | 17n38 | 17n20 | 5s48 | 16s41 | 5n46 | T 30 |

Julian Day Number = 2077480.5, Delta T = 26m27s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°27'59, Lahiri = 9°35'00 Julian Calendar 1 Nov. 975 == Greg. Calendar 6 Nov. 975


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# ASTRODIENST EPHEMERIS for the year 975
# geocentric

## DECEMBER 975 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 57 34 | 14♐ 0'24 | 12♎ 9 | 18♐46 | 9♑36 | 18♎31 | 15♐40 | 10°R20 | 27♏27 | 4♏11 | 6♍37 | 10°R42 | 11♌47 | 23♓24 | 17♑37 | W 1 |
| T 2 | 5 1 30 | 15° 1'36 | 26°26 | 20°22 | 10°51 | 19° 8 | 15°54 | 10♌19 | 27°31 | 4°12 | 6°37 | 10♌36 | 11°44 | 23°31 | 17°42 | T 2 |
| F 3 | 5 5 27 | 16° 2'48 | 10♏41 | 21°58 | 12° 5 | 19°45 | 16° 8 | 10°17 | 27°35 | 4°14 | 6°37 | 10°28 | 11°41 | 23°38 | 17°46 | F 3 |
| S 4 | 5 9 23 | 17° 4'00 | 24°50 | 23°34 | 13°20 | 20°22 | 16°22 | 10°15 | 27°38 | 4°16 | 6°R37 | 10°19 | 11°38 | 23°45 | 17°51 | S 4 |
| S 5 | 5 13 20 | 18° 5'14 | 8♐49 | 25°10 | 14°35 | 20°59 | 16°36 | 10°13 | 27°42 | 4°18 | 6°37 | 10°10 | 11°35 | 23°51 | 17°55 | S 5 |
| M 6 | 5 17 16 | 19° 6'27 | 22°31 | 26°47 | 15°49 | 21°36 | 16°49 | 10°11 | 27°45 | 4°20 | 6°37 | 10° 1 | 11°32 | 23°58 | 18° 0 | M 6 |
| T 7 | 5 21 13 | 20° 7'41 | 5♑55 | 28°24 | 17° 4 | 22°13 | 17° 3 | 10° 9 | 27°49 | 4°21 | 6°37 | 9°55 | 11°28 | 24° 5 | 18° 4 | T 7 |
| W 8 | 5 25 9 | 21° 8'55 | 18°59 | 0♑ 0 | 18°18 | 22°50 | 17°17 | 10° 7 | 27°52 | 4°23 | 6°37 | 9°50 | 11°25 | 24°11 | 18° 9 | W 8 |
| T 9 | 5 29 6 | 22°10'08 | 1♒41 | 1°37 | 19°33 | 23°27 | 17°31 | 10° 4 | 27°56 | 4°25 | 6°37 | 9°48 | 11°22 | 24°18 | 18°14 | T 9 |
| F 10 | 5 33 3 | 23°11'22 | 14° 6 | 3°14 | 20°47 | 24° 4 | 17°45 | 10° 2 | 27°59 | 4°26 | 6°36 | 9°D48 | 11°19 | 24°25 | 18°19 | F 10 |
| S 11 | 5 36 59 | 24°12'36 | 26°14 | 4°52 | 22° 2 | 24°41 | 17°58 | 9°59 | 28° 2 | 4°28 | 6°36 | 9°49 | 11°16 | 24°31 | 18°23 | S 11 |
| S 12 | 5 40 56 | 25°13'49 | 8♓11 | 6°29 | 23°16 | 25°18 | 18°12 | 9°57 | 28° 6 | 4°30 | 6°36 | 9°50 | 11°12 | 24°38 | 18°28 | S 12 |
| M13 | 5 44 52 | 26°15'02 | 20° 2 | 8° 6 | 24°30 | 25°55 | 18°26 | 9°54 | 28° 9 | 4°31 | 6°36 | 9°51 | 11° 9 | 24°45 | 18°33 | M13 |
| T 14 | 5 48 49 | 27°16'15 | 1♈52 | 9°43 | 25°45 | 26°32 | 18°40 | 9°51 | 28°12 | 4°33 | 6°35 | 9°R51 | 11° 6 | 24°51 | 18°38 | T 14 |
| W15 | 5 52 45 | 28°17'27 | 13°46 | 11°19 | 26°59 | 27° 9 | 18°53 | 9°48 | 28°16 | 4°34 | 6°35 | 9°50 | 11° 3 | 24°58 | 18°42 | W15 |
| T 16 | 5 56 42 | 29°18'39 | 25°49 | 12°56 | 28°13 | 27°46 | 19° 7 | 9°45 | 28°19 | 4°36 | 6°35 | 9°46 | 11° 0 | 25° 5 | 18°47 | T 16 |
| F 17 | 6 0 38 | 0♑19'51 | 8♉ 5 | 14°31 | 29°28 | 28°22 | 19°21 | 9°42 | 28°22 | 4°37 | 6°34 | 9°41 | 10°57 | 25°11 | 18°52 | F 17 |
| S 18 | 6 4 35 | 1°21'02 | 20°38 | 16° 7 | 0♒42 | 28°59 | 19°34 | 9°39 | 28°26 | 4°39 | 6°34 | 9°35 | 10°53 | 25°18 | 18°57 | S 18 |
| S 19 | 6 8 32 | 2°22'13 | 3♊29 | 17°41 | 1°56 | 29°36 | 19°48 | 9°35 | 28°29 | 4°40 | 6°33 | 9°28 | 10°50 | 25°25 | 19° 2 | S 19 |
| M20 | 6 12 28 | 3°23'24 | 16°41 | 19°14 | 3°10 | 0♏12 | 20° 2 | 9°32 | 28°32 | 4°41 | 6°33 | 9°22 | 10°47 | 25°31 | 19° 7 | M20 |
| T 21 | 6 16 25 | 4°24'34 | 0♋10 | 20°46 | 4°25 | 0°49 | 20°15 | 9°28 | 28°35 | 4°43 | 6°32 | 9°16 | 10°44 | 25°38 | 19°12 | T 21 |
| W22 | 6 20 21 | 5°25'44 | 13°56 | 22°16 | 5°39 | 1°26 | 20°29 | 9°25 | 28°38 | 4°44 | 6°32 | 9°12 | 10°41 | 25°45 | 19°17 | W22 |
| T 23 | 6 24 18 | 6°26'54 | 27°55 | 23°44 | 6°53 | 2° 2 | 20°43 | 9°21 | 28°41 | 4°45 | 6°31 | 9°10 | 10°38 | 25°52 | 19°22 | T 23 |
| F 24 | 6 28 14 | 7°28'03 | 12♌ 3 | 25° 9 | 8° 7 | 2°39 | 20°56 | 9°18 | 28°45 | 4°47 | 6°31 | 9°D10 | 10°34 | 25°58 | 19°26 | F 24 |
| S 25 | 6 32 11 | 8°29'12 | 26°17 | 26°32 | 9°21 | 3°16 | 21°10 | 9°14 | 28°48 | 4°48 | 6°30 | 9°11 | 10°31 | 26° 5 | 19°31 | S 25 |
| S 26 | 6 36 8 | 9°30'20 | 10♍32 | 27°50 | 10°35 | 3°52 | 21°23 | 9°10 | 28°51 | 4°49 | 6°29 | 9°12 | 10°28 | 26°12 | 19°36 | S 26 |
| M27 | 6 40 4 | 10°31'28 | 24°46 | 29° 5 | 11°49 | 4°29 | 21°37 | 9° 6 | 28°54 | 4°50 | 6°29 | 9°14 | 10°25 | 26°18 | 19°41 | M27 |
| T 28 | 6 44 1 | 11°32'36 | 8♎57 | 0♒15 | 13° 3 | 5° 5 | 21°50 | 9° 2 | 28°57 | 4°51 | 6°28 | 9°R14 | 10°22 | 26°25 | 19°46 | T 28 |
| W29 | 6 47 57 | 12°33'44 | 23° 3 | 1°19 | 14°16 | 5°41 | 22° 3 | 8°58 | 29° 0 | 4°53 | 6°27 | 9°14 | 10°18 | 26°32 | 19°51 | W29 |
| T 30 | 6 51 54 | 13°34'51 | 7♏ 2 | 2°16 | 15°30 | 6°18 | 22°17 | 8°54 | 29° 2 | 4°54 | 6°26 | 9°12 | 10°15 | 26°38 | 19°56 | T 30 |
| F 31 | 6 55 50 | 14♑35'58 | 20♏53 | 3♒ 7 | 16♒44 | 6♏54 | 22♐30 | 8♌50 | 29♏ 5 | 4♏55 | 6♍25 | 9♌10 | 10♌12 | 26♓45 | 20♑ 1 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s36 | 0s42 | 4n29 | 24s52 | 1s47 | 24s46 | 1s33 | 6s10 | 1n13 | 22s31 | 0n17 | 18n39 | 0n57 | 19s33 | 0n 9 | 11s16 | 1n49 | 22n49 | 14n49 | 17n39 | 17n21 | 5s46 | 16s41 | 5n46 |
| T 2 | 22 43 | 5 39 | 4 56 | 25 3 | 1 50 | 24 41 | 1 34 | 6 24 | 1 13 | 22 33 | 0 17 | 18 40 | 0 57 | 19 34 | 0 9 | 11 17 | 1 49 | 22 49 | 14 49 | 17 40 | 17 22 | 5 44 | 16 40 | 5 46 |
| F 3 | 22 50 | 10 16 | 5 6 | 25 13 | 1 54 | 24 36 | 1 35 | 6 38 | 1 13 | 22 34 | 0 17 | 18 41 | 0 57 | 19 35 | 0 9 | 11 17 | 1 49 | 22 50 | 14 50 | 17 43 | 17 23 | 5 42 | 16 40 | 5 46 |
| S 4 | 22 56 | 14 18 | 4 56 | 25 21 | 1 57 | 24 30 | 1 36 | 6 53 | 1 13 | 22 36 | 0 16 | 18 41 | 0 57 | 19 35 | 0 9 | 11 18 | 1 49 | 22 50 | 14 50 | 17 45 | 17 23 | 5 40 | 16 40 | 5 46 |
| S 5 | 23 2 | 17 28 | 4 29 | 25 28 | 2 0 | 24 23 | 1 37 | 7 7 | 1 13 | 22 37 | 0 16 | 18 42 | 0 57 | 19 36 | 0 9 | 11 19 | 1 49 | 22 51 | 14 51 | 17 48 | 17 24 | 5 38 | 16 39 | 5 46 |
| M 6 | 23 7 | 19 36 | 3 46 | 25 34 | 2 2 | 24 15 | 1 38 | 7 21 | 1 13 | 22 39 | 0 16 | 18 43 | 0 58 | 19 37 | 0 9 | 11 19 | 1 49 | 22 51 | 14 51 | 17 50 | 17 25 | 5 36 | 16 39 | 5 45 |
| T 7 | 23 12 | 20 34 | 2 52 | 25 38 | 2 4 | 24 7 | 1 39 | 7 35 | 1 12 | 22 40 | 0 16 | 18 43 | 0 58 | 19 38 | 0 9 | 11 20 | 1 49 | 22 52 | 14 52 | 17 52 | 17 26 | 5 34 | 16 38 | 5 45 |
| W 8 | 23 16 | 20 24 | 1 50 | 25 40 | 2 6 | 23 58 | 1 40 | 7 49 | 1 12 | 22 42 | 0 16 | 18 44 | 0 58 | 19 39 | 0 9 | 11 20 | 1 49 | 22 52 | 14 52 | 17 53 | 17 27 | 5 32 | 16 38 | 5 45 |
| T 9 | 23 20 | 19 11 | 0 44 | 25 41 | 2 8 | 23 48 | 1 41 | 8 3 | 1 12 | 22 43 | 0 16 | 18 45 | 0 58 | 19 39 | 0 9 | 11 21 | 1 49 | 22 53 | 14 53 | 17 54 | 17 28 | 5 30 | 16 37 | 5 45 |
| F 10 | 23 24 | 17 4 | 0s23 | 25 40 | 2 9 | 23 38 | 1 42 | 8 16 | 1 12 | 22 44 | 0 16 | 18 46 | 0 58 | 19 40 | 0 9 | 11 21 | 1 49 | 22 53 | 14 53 | 17 54 | 17 29 | 5 28 | 16 37 | 5 45 |
| S 11 | 23 27 | 14 13 | 1 28 | 25 38 | 2 9 | 23 27 | 1 42 | 8 30 | 1 12 | 22 46 | 0 16 | 18 47 | 0 59 | 19 41 | 0 9 | 11 22 | 1 49 | 22 54 | 14 54 | 17 53 | 17 30 | 5 26 | 16 37 | 5 45 |
| S 12 | 23 29 | 10 49 | 2 28 | 25 34 | 2 9 | 23 15 | 1 43 | 8 44 | 1 11 | 22 47 | 0 16 | 18 48 | 0 59 | 19 42 | 0 9 | 11 22 | 1 50 | 22 55 | 14 54 | 17 53 | 17 30 | 5 23 | 16 36 | 5 44 |
| M13 | 23 31 | 7 2 | 3 21 | 25 28 | 2 9 | 23 2 | 1 44 | 8 58 | 1 11 | 22 48 | 0 16 | 18 49 | 0 59 | 19 42 | 0 9 | 11 23 | 1 50 | 22 55 | 14 55 | 17 53 | 17 31 | 5 21 | 16 36 | 5 44 |
| T 14 | 23 33 | 3 0 | 4 5 | 25 20 | 2 8 | 22 49 | 1 44 | 9 11 | 1 11 | 22 50 | 0 15 | 18 50 | 0 59 | 19 43 | 0 9 | 11 23 | 1 50 | 22 56 | 14 55 | 17 53 | 17 32 | 5 19 | 16 35 | 5 44 |
| W15 | 23 34 | 1n11 | 4 39 | 25 11 | 2 6 | 22 35 | 1 44 | 9 25 | 1 11 | 22 51 | 0 15 | 18 51 | 0 59 | 19 44 | 0 9 | 11 24 | 1 50 | 22 56 | 14 56 | 17 53 | 17 33 | 5 17 | 16 34 | 5 44 |
| T 16 | 23 34 | 5 21 | 5 1 | 25 0 | 2 4 | 22 20 | 1 45 | 9 38 | 1 11 | 22 52 | 0 15 | 18 52 | 0 59 | 19 45 | 0 9 | 11 24 | 1 50 | 22 57 | 14 57 | 17 54 | 17 34 | 5 15 | 16 34 | 5 44 |
| F 17 | 23 34 | 9 23 | 5 10 | 24 48 | 2 2 | 22 5 | 1 45 | 9 52 | 1 10 | 22 53 | 0 15 | 18 53 | 1 0 | 19 45 | 0 9 | 11 24 | 1 50 | 22 58 | 14 57 | 17 55 | 17 35 | 5 13 | 16 33 | 5 44 |
| S 18 | 23 34 | 13 7 | 5 5 | 24 33 | 1 59 | 21 49 | 1 45 | 10 5 | 1 10 | 22 54 | 0 15 | 18 54 | 1 0 | 19 46 | 0 9 | 11 25 | 1 50 | 22 58 | 14 58 | 17 57 | 17 36 | 5 11 | 16 33 | 5 44 |
| S 19 | 23 33 | 16 19 | 4 44 | 24 17 | 1 55 | 21 33 | 1 45 | 10 18 | 1 10 | 22 56 | 0 15 | 18 55 | 1 0 | 19 47 | 0 9 | 11 25 | 1 50 | 22 59 | 14 58 | 17 59 | 17 37 | 5 9 | 16 32 | 5 44 |
| M20 | 23 32 | 18 48 | 4 8 | 24 0 | 1 50 | 21 15 | 1 45 | 10 31 | 1 10 | 22 57 | 0 15 | 18 56 | 1 0 | 19 48 | 0 9 | 11 26 | 1 50 | 22 59 | 14 58 | 18 0 | 17 37 | 5 7 | 16 32 | 5 44 |
| T 21 | 23 30 | 20 17 | 3 17 | 23 41 | 1 45 | 20 58 | 1 45 | 10 44 | 1 9 | 22 58 | 0 15 | 18 57 | 1 0 | 19 48 | 0 9 | 11 26 | 1 50 | 23 0 | 14 59 | 18 2 | 17 38 | 5 5 | 16 31 | 5 44 |
| W22 | 23 27 | 20 37 | 2 13 | 23 20 | 1 38 | 20 39 | 1 45 | 10 57 | 1 9 | 22 59 | 0 15 | 18 58 | 1 0 | 19 49 | 0 9 | 11 27 | 1 50 | 23 1 | 14 59 | 18 3 | 17 39 | 5 3 | 16 30 | 5 43 |
| T 23 | 23 25 | 19 42 | 1 1 | 22 58 | 1 31 | 20 20 | 1 45 | 11 10 | 1 9 | 23 0 | 0 15 | 18 59 | 1 1 | 19 50 | 0 9 | 11 27 | 1 50 | 23 1 | 15 0 | 18 4 | 17 40 | 5 0 | 16 30 | 5 43 |
| F 24 | 23 21 | 17 32 | 0n16 | 22 35 | 1 23 | 20 1 | 1 44 | 11 23 | 1 9 | 23 1 | 0 15 | 19 0 | 1 1 | 19 50 | 0 9 | 11 27 | 1 50 | 23 2 | 15 0 | 18 4 | 17 41 | 4 58 | 16 29 | 5 43 |
| S 25 | 23 18 | 14 16 | 1 32 | 22 11 | 1 14 | 19 41 | 1 44 | 11 36 | 1 8 | 23 2 | 0 15 | 19 1 | 1 1 | 19 51 | 0 9 | 11 28 | 1 50 | 23 3 | 15 1 | 18 3 | 17 42 | 4 56 | 16 29 | 5 43 |
| S 26 | 23 14 | 10 11 | 2 44 | 21 46 | 1 5 | 19 20 | 1 43 | 11 49 | 1 8 | 23 3 | 0 14 | 19 3 | 1 1 | 19 52 | 0 9 | 11 28 | 1 50 | 23 3 | 15 1 | 18 3 | 17 43 | 4 54 | 16 28 | 5 43 |
| M27 | 23 9 | 5 31 | 3 44 | 21 20 | 0 54 | 18 59 | 1 43 | 12 1 | 1 8 | 23 4 | 0 14 | 19 4 | 1 1 | 19 52 | 0 9 | 11 28 | 1 50 | 23 4 | 15 2 | 18 3 | 17 44 | 4 52 | 16 27 | 5 43 |
| T 28 | 23 4 | 0 35 | 4 31 | 20 53 | 0 42 | 18 37 | 1 42 | 12 14 | 1 7 | 23 5 | 0 14 | 19 5 | 1 1 | 19 53 | 0 9 | 11 29 | 1 50 | 23 5 | 15 2 | 18 2 | 17 44 | 4 50 | 16 27 | 5 43 |
| W29 | 22 58 | 4s20 | 5 2 | 20 27 | 0 29 | 18 15 | 1 41 | 12 26 | 1 7 | 23 6 | 0 14 | 19 6 | 1 2 | 19 54 | 0 9 | 11 29 | 1 50 | 23 6 | 15 3 | 18 3 | 17 45 | 4 48 | 16 26 | 5 43 |
| T 30 | 22 52 | 8 59 | 5 14 | 20 0 | 0 15 | 17 52 | 1 41 | 12 39 | 1 7 | 23 7 | 0 14 | 19 7 | 1 2 | 19 54 | 0 9 | 11 29 | 1 50 | 23 6 | 15 3 | 18 3 | 17 46 | 4 46 | 16 25 | 5 43 |
| F 31 | 22s46 | 13s 8 | 5n 8 | 19s35 | 0s 0 | 17s29 | 1s40 | 12s51 | 1n 6 | 23s 7 | 0n14 | 19n 9 | 1n 2 | 19s55 | 0n 9 | 11s30 | 1n51 | 23n 7 | 15n 4 | 18n 4 | 17n47 | 4s44 | 16s25 | 5n43 |

Julian Day Number = 2077510.5, Delta T = 26m26s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'03, Lahiri = 9°35'04 Julian Calendar 1 Dec. 975 == Greg. Calendar 6 Dec. 975


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## JANUARY 976 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 6 59 47 | 15♉37'05 | 4♐34 | 3♒49 | 17♒58 | 7♏31 | 22♐43 | 8°R45 | 29♏ 8 | 4♏56 | 6°R25 | 9°R 6 | 10♌ 9 | 26♓52 | 20♉ 6 | S 1 |
| S 2 | 7 3 43 | 16°38'11 | 18° 3 | 4°22 | 19°11 | 8° 7 | 22°57 | 8♌41 | 29°11 | 4°57 | 6♍24 | 9♌ 2 | 10° 6 | 26°58 | 20°12 | S 2 |
| M 3 | 7 7 40 | 17°39'16 | 1♉20 | 4°45 | 20°25 | 8°43 | 23°10 | 8°37 | 29°14 | 4°58 | 6°23 | 8°59 | 10° 3 | 27° 5 | 20°17 | M 3 |
| T 4 | 7 11 37 | 18°40'21 | 14°21 | 4°58 | 21°39 | 9°19 | 23°23 | 8°32 | 29°16 | 4°59 | 6°22 | 8°57 | 9°59 | 27°12 | 20°22 | T 4 |
| W 5 | 7 15 33 | 19°41'25 | 27° 8 | 5°R 0 | 22°52 | 9°56 | 23°36 | 8°28 | 29°19 | 5° 0 | 6°21 | 8°55 | 9°56 | 27°18 | 20°27 | W 5 |
| T 6 | 7 19 30 | 20°42'27 | 9♒40 | 4°50 | 24° 6 | 10°32 | 23°49 | 8°23 | 29°22 | 5° 0 | 6°20 | 8°D55 | 9°53 | 27°25 | 20°32 | T 6 |
| F 7 | 7 23 26 | 21°43'29 | 21°58 | 4°29 | 25°19 | 11° 8 | 24° 2 | 8°19 | 29°24 | 5° 1 | 6°19 | 8°55 | 9°50 | 27°32 | 20°37 | F 7 |
| S 8 | 7 27 23 | 22°44'30 | 4♓ 4 | 3°56 | 26°33 | 11°44 | 24°15 | 8°14 | 29°27 | 5° 2 | 6°18 | 8°56 | 9°47 | 27°39 | 20°42 | S 8 |
| S 9 | 7 31 19 | 23°45'29 | 16° 0 | 3°13 | 27°46 | 12°20 | 24°28 | 8°10 | 29°30 | 5° 3 | 6°17 | 8°58 | 9°44 | 27°45 | 20°47 | S 9 |
| M10 | 7 35 16 | 24°46'27 | 27°52 | 2°21 | 28°59 | 12°56 | 24°41 | 8° 5 | 29°32 | 5° 4 | 6°16 | 8°59 | 9°40 | 27°52 | 20°52 | M10 |
| T 11 | 7 39 12 | 25°47'24 | 9♈42 | 1°21 | 0♓12 | 13°32 | 24°54 | 8° 0 | 29°34 | 5° 4 | 6°15 | 9° 0 | 9°37 | 27°59 | 20°57 | T 11 |
| W12 | 7 43 9 | 26°48'19 | 21°35 | 0°14 | 1°26 | 14° 7 | 25° 7 | 7°56 | 29°37 | 5° 5 | 6°13 | 9°R 1 | 9°34 | 28° 5 | 21° 2 | W12 |
| T 13 | 7 47 6 | 27°49'13 | 3♉36 | 29♉ 3 | 2°39 | 14°43 | 25°20 | 7°51 | 29°39 | 5° 6 | 6°12 | 9° 1 | 9°31 | 28°12 | 21° 7 | T 13 |
| F 14 | 7 51 2 | 28°50'06 | 15°51 | 27°50 | 3°52 | 15°19 | 25°32 | 7°46 | 29°42 | 5° 6 | 6°11 | 9° 0 | 9°28 | 28°19 | 21°12 | F 14 |
| S 15 | 7 54 59 | 29°50'57 | 28°22 | 26°36 | 5° 5 | 15°55 | 25°45 | 7°41 | 29°44 | 5° 7 | 6°10 | 8°59 | 9°24 | 28°25 | 21°17 | S 15 |
| S 16 | 7 58 55 | 0♒51'47 | 11♊15 | 25°25 | 6°18 | 16°30 | 25°57 | 7°36 | 29°46 | 5° 7 | 6° 9 | 8°58 | 9°21 | 28°32 | 21°22 | S 16 |
| M17 | 8 2 52 | 1°52'35 | 24°30 | 24°17 | 7°30 | 17° 6 | 26°10 | 7°32 | 29°48 | 5° 8 | 6° 8 | 8°57 | 9°18 | 28°39 | 21°27 | M17 |
| T 18 | 8 6 48 | 2°53'22 | 8♋ 9 | 23°15 | 8°43 | 17°42 | 26°22 | 7°27 | 29°50 | 5° 8 | 6° 6 | 8°56 | 9°15 | 28°45 | 21°32 | T 18 |
| W19 | 8 10 45 | 3°54'07 | 22°11 | 22°19 | 9°56 | 18°17 | 26°35 | 7°22 | 29°53 | 5° 9 | 6° 5 | 8°56 | 9°12 | 28°52 | 21°37 | W19 |
| T 20 | 8 14 41 | 4°54'51 | 6♌33 | 21°30 | 11° 8 | 18°53 | 26°47 | 7°17 | 29°55 | 5° 9 | 6° 4 | 8°D56 | 9° 9 | 28°59 | 21°41 | T 20 |
| F 21 | 8 18 38 | 5°55'33 | 21° 8 | 20°48 | 12°21 | 19°28 | 26°59 | 7°12 | 29°57 | 5°10 | 6° 2 | 8°56 | 9° 5 | 29° 6 | 21°46 | F 21 |
| S 22 | 8 22 35 | 6°56'14 | 5♍51 | 20°15 | 13°33 | 20° 3 | 27°12 | 7° 7 | 29°59 | 5°10 | 6° 1 | 8°56 | 9° 2 | 29°12 | 21°51 | S 22 |
| S 23 | 8 26 31 | 7°56'54 | 20°34 | 19°50 | 14°46 | 20°39 | 27°24 | 7° 2 | 0♐ 1 | 5°10 | 6° 0 | 8°56 | 8°59 | 29°19 | 21°56 | S 23 |
| M24 | 8 30 28 | 8°57'33 | 5♎12 | 19°33 | 15°58 | 21°14 | 27°36 | 6°57 | 0° 2 | 5°11 | 5°58 | 8°R56 | 8°56 | 29°26 | 22° 1 | M24 |
| T 25 | 8 34 24 | 9°58'10 | 19°39 | 19°23 | 17°10 | 21°49 | 27°48 | 6°53 | 0° 4 | 5°11 | 5°57 | 8°56 | 8°53 | 29°32 | 22° 6 | T 25 |
| W26 | 8 38 21 | 10°58'46 | 3♏52 | 19°D21 | 18°22 | 22°24 | 28° 0 | 6°48 | 0° 6 | 5°11 | 5°56 | 8°D56 | 8°50 | 29°39 | 22°11 | W26 |
| T 27 | 8 42 17 | 11°59'21 | 17°48 | 19°26 | 19°34 | 22°59 | 28°12 | 6°43 | 0° 8 | 5°11 | 5°54 | 8°56 | 8°46 | 29°46 | 22°15 | T 27 |
| F 28 | 8 46 14 | 12°59'54 | 1♐27 | 19°38 | 20°46 | 23°34 | 28°23 | 6°38 | 0° 9 | 5°11 | 5°53 | 8°56 | 8°43 | 29°52 | 22°20 | F 28 |
| S 29 | 8 50 10 | 14° 0'26 | 14°49 | 19°56 | 21°58 | 24° 9 | 28°35 | 6°33 | 0°11 | 5°11 | 5°51 | 8°57 | 8°40 | 29°59 | 22°25 | S 29 |
| S 30 | 8 54 7 | 15° 0'57 | 27°56 | 20°19 | 23°10 | 24°44 | 28°47 | 6°28 | 0°13 | 5°11 | 5°50 | 8°57 | 8°37 | 0♈ 6 | 22°30 | S 30 |
| M31 | 8 58 4 | 16♒ 1'27 | 10♉48 | 20♉48 | 24♓21 | 25♏19 | 28♐58 | 6♌24 | 0♐14 | 5♏11 | 5♍48 | 8♌58 | 8♌34 | 0♈12 | 22♉34 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s39 | 16s31 | 4n44 | 19s 9 | 0n15 | 17s 6 | 1s39 | 13s 3 | 1n 6 | 23s 8 | 0n14 | 19n10 | 1n 2 | 19s56 | 0n 9 | 11s30 | 1n51 | 23n 8 | 15n 4 | 18n 5 | 17n48 | 4s42 | 16s24 | 5n43 |
| S 2 | 22 32 | 18 58 | 4 5 | 18 45 | 0 32 | 16 42 | 1 38 | 13 15 | 1 6 | 23 9 | 0 14 | 19 11 | 1 2 | 19 56 | 0 9 | 11 30 | 1 51 | 23 8 | 15 5 | 18 6 | 17 49 | 4 39 | 16 23 | 5 43 |
| M 3 | 22 24 | 20 21 | 3 13 | 18 23 | 0 49 | 16 17 | 1 36 | 13 27 | 1 5 | 23 10 | 0 14 | 19 13 | 1 2 | 19 57 | 0 9 | 11 31 | 1 51 | 23 9 | 15 5 | 18 7 | 17 50 | 4 37 | 16 22 | 5 43 |
| T 4 | 22 16 | 20 37 | 2 11 | 18 3 | 1 7 | 15 52 | 1 35 | 13 39 | 1 5 | 23 11 | 0 14 | 19 14 | 1 2 | 19 57 | 0 9 | 11 31 | 1 51 | 23 10 | 15 5 | 18 7 | 17 50 | 4 35 | 16 22 | 5 43 |
| W 5 | 22 7 | 19 47 | 1 5 | 17 45 | 1 25 | 15 27 | 1 34 | 13 51 | 1 5 | 23 11 | 0 14 | 19 15 | 1 3 | 19 58 | 0 9 | 11 31 | 1 51 | 23 11 | 15 6 | 18 8 | 17 51 | 4 33 | 16 21 | 5 43 |
| T 6 | 21 58 | 18 0 | 0s 4 | 17 29 | 1 43 | 15 1 | 1 32 | 14 3 | 1 4 | 23 12 | 0 13 | 19 16 | 1 3 | 19 59 | 0 9 | 11 31 | 1 51 | 23 11 | 15 6 | 18 8 | 17 52 | 4 31 | 16 20 | 5 43 |
| F 7 | 21 48 | 15 24 | 1 12 | 17 17 | 2 1 | 14 35 | 1 31 | 14 14 | 1 4 | 23 13 | 0 13 | 19 18 | 1 3 | 19 59 | 0 9 | 11 31 | 1 51 | 23 12 | 15 7 | 18 8 | 17 53 | 4 29 | 16 19 | 5 43 |
| S 8 | 21 38 | 12 10 | 2 15 | 17 8 | 2 19 | 14 8 | 1 29 | 14 26 | 1 4 | 23 13 | 0 13 | 19 19 | 1 3 | 20 0 | 0 9 | 11 32 | 1 51 | 23 13 | 15 7 | 18 7 | 17 54 | 4 27 | 16 19 | 5 43 |
| S 9 | 21 28 | 8 29 | 3 11 | 17 1 | 2 35 | 13 41 | 1 28 | 14 37 | 1 3 | 23 14 | 0 13 | 19 20 | 1 3 | 20 0 | 0 9 | 11 32 | 1 51 | 23 14 | 15 7 | 18 7 | 17 55 | 4 24 | 16 18 | 5 43 |
| M10 | 21 17 | 4 30 | 3 59 | 16 58 | 2 51 | 13 14 | 1 26 | 14 49 | 1 3 | 23 15 | 0 13 | 19 22 | 1 3 | 20 1 | 0 9 | 11 32 | 1 51 | 23 15 | 15 8 | 18 7 | 17 56 | 4 22 | 16 17 | 5 43 |
| T 11 | 21 6 | 0 23 | 4 37 | 16 58 | 3 5 | 12 46 | 1 24 | 15 0 | 1 2 | 23 15 | 0 13 | 19 23 | 1 3 | 20 1 | 0 9 | 11 32 | 1 51 | 23 15 | 15 8 | 18 6 | 17 56 | 4 20 | 16 16 | 5 43 |
| W12 | 20 55 | 3n47 | 5 3 | 17 1 | 3 17 | 12 18 | 1 22 | 15 11 | 1 2 | 23 16 | 0 13 | 19 25 | 1 4 | 20 2 | 0 9 | 11 32 | 1 51 | 23 16 | 15 9 | 18 6 | 17 57 | 4 18 | 16 16 | 5 43 |
| T 13 | 20 43 | 7 50 | 5 16 | 17 6 | 3 26 | 11 50 | 1 20 | 15 22 | 1 1 | 23 16 | 0 13 | 19 26 | 1 4 | 20 2 | 0 9 | 11 33 | 1 51 | 23 17 | 15 9 | 18 6 | 17 58 | 4 16 | 16 15 | 5 43 |
| F 14 | 20 30 | 11 39 | 5 15 | 17 13 | 3 34 | 11 22 | 1 18 | 15 33 | 1 1 | 23 17 | 0 13 | 19 27 | 1 4 | 20 3 | 0 9 | 11 33 | 1 51 | 23 18 | 15 9 | 18 6 | 17 59 | 4 14 | 16 14 | 5 43 |
| S 15 | 20 18 | 15 3 | 4 59 | 17 22 | 3 39 | 10 53 | 1 16 | 15 44 | 1 1 | 23 17 | 0 13 | 19 29 | 1 4 | 20 3 | 0 9 | 11 33 | 1 51 | 23 18 | 15 10 | 18 6 | 18 0 | 4 12 | 16 13 | 5 44 |
| S 16 | 20 5 | 17 49 | 4 28 | 17 33 | 3 41 | 10 24 | 1 14 | 15 54 | 1 0 | 23 18 | 0 13 | 19 30 | 1 4 | 20 4 | 0 9 | 11 33 | 1 52 | 23 19 | 15 10 | 18 7 | 18 1 | 4 10 | 16 12 | 5 44 |
| M17 | 19 51 | 19 45 | 3 42 | 17 45 | 3 41 | 9 55 | 1 12 | 16 5 | 1 0 | 23 18 | 0 13 | 19 31 | 1 4 | 20 4 | 0 9 | 11 33 | 1 52 | 23 20 | 15 10 | 18 7 | 18 1 | 4 7 | 16 11 | 5 44 |
| T 18 | 19 37 | 20 37 | 2 43 | 17 57 | 3 39 | 9 25 | 1 9 | 16 15 | 0 59 | 23 19 | 0 13 | 19 33 | 1 4 | 20 5 | 0 9 | 11 33 | 1 52 | 23 21 | 15 11 | 18 7 | 18 2 | 4 5 | 16 11 | 5 44 |
| W19 | 19 23 | 20 13 | 1 32 | 18 11 | 3 35 | 8 55 | 1 7 | 16 26 | 0 59 | 23 19 | 0 12 | 19 34 | 1 4 | 20 5 | 0 9 | 11 33 | 1 52 | 23 22 | 15 11 | 18 7 | 18 3 | 4 3 | 16 10 | 5 44 |
| T 20 | 19 8 | 18 32 | 0 13 | 18 24 | 3 29 | 8 25 | 1 5 | 16 36 | 0 58 | 23 20 | 0 12 | 19 35 | 1 4 | 20 6 | 0 9 | 11 33 | 1 52 | 23 22 | 15 11 | 18 7 | 18 4 | 4 1 | 16 9 | 5 44 |
| F 21 | 18 54 | 15 36 | 1n 7 | 18 38 | 3 22 | 7 55 | 1 2 | 16 46 | 0 58 | 23 20 | 0 12 | 19 37 | 1 5 | 20 6 | 0 9 | 11 33 | 1 52 | 23 23 | 15 12 | 18 7 | 18 5 | 3 59 | 16 8 | 5 44 |
| S 22 | 18 38 | 11 39 | 2 24 | 18 51 | 3 13 | 7 25 | 0 59 | 16 56 | 0 57 | 23 20 | 0 12 | 19 38 | 1 5 | 20 7 | 0 9 | 11 33 | 1 52 | 23 24 | 15 12 | 18 7 | 18 6 | 3 57 | 16 7 | 5 44 |
| S 23 | 18 23 | 6 59 | 3 31 | 19 4 | 3 3 | 6 54 | 0 57 | 17 6 | 0 57 | 23 21 | 0 12 | 19 39 | 1 5 | 20 7 | 0 9 | 11 34 | 1 52 | 23 25 | 15 12 | 18 7 | 18 7 | 3 54 | 16 6 | 5 44 |
| M24 | 18 7 | 1 58 | 4 24 | 19 17 | 2 53 | 6 24 | 0 54 | 17 16 | 0 56 | 23 21 | 0 12 | 19 41 | 1 5 | 20 7 | 0 9 | 11 34 | 1 52 | 23 26 | 15 13 | 18 7 | 18 7 | 3 52 | 16 5 | 5 45 |
| T 25 | 17 51 | 3s 6 | 5 0 | 19 30 | 2 42 | 5 53 | 0 51 | 17 26 | 0 55 | 23 21 | 0 12 | 19 42 | 1 5 | 20 8 | 0 9 | 11 34 | 1 52 | 23 26 | 15 13 | 18 7 | 18 8 | 3 50 | 16 5 | 5 45 |
| W26 | 17 34 | 7 55 | 5 16 | 19 41 | 2 30 | 5 22 | 0 48 | 17 35 | 0 55 | 23 21 | 0 12 | 19 43 | 1 5 | 20 8 | 0 9 | 11 34 | 1 52 | 23 27 | 15 13 | 18 7 | 18 9 | 3 48 | 16 4 | 5 45 |
| T 27 | 17 17 | 12 12 | 5 14 | 19 52 | 2 18 | 4 51 | 0 45 | 17 45 | 0 54 | 23 22 | 0 12 | 19 45 | 1 5 | 20 8 | 0 9 | 11 34 | 1 52 | 23 28 | 15 13 | 18 7 | 18 10 | 3 46 | 16 3 | 5 45 |
| F 28 | 17 0 | 15 46 | 4 54 | 20 3 | 2 6 | 4 19 | 0 42 | 17 54 | 0 54 | 23 22 | 0 12 | 19 46 | 1 5 | 20 9 | 0 9 | 11 34 | 1 52 | 23 29 | 15 14 | 18 7 | 18 11 | 3 44 | 16 2 | 5 45 |
| S 29 | 16 43 | 18 26 | 4 18 | 20 12 | 1 54 | 3 48 | 0 39 | 18 3 | 0 53 | 23 22 | 0 12 | 19 47 | 1 5 | 20 9 | 0 9 | 11 34 | 1 52 | 23 30 | 15 14 | 18 7 | 18 12 | 3 41 | 16 1 | 5 45 |
| S 30 | 16 25 | 20 5 | 3 29 | 20 21 | 1 42 | 3 17 | 0 36 | 18 13 | 0 52 | 23 22 | 0 12 | 19 49 | 1 5 | 20 10 | 0 9 | 11 34 | 1 52 | 23 30 | 15 14 | 18 7 | 18 12 | 3 39 | 16 0 | 5 45 |
| M31 | 16s 7 | 20s38 | 2n30 | 20s28 | 1n30 | 2s45 | 0s33 | 18s22 | 0n52 | 23s23 | 0n11 | 19n50 | 1n 5 | 20s10 | 0n 9 | 11s33 | 1n52 | 23n31 | 15n14 | 18n 7 | 18n13 | 3s37 | 15s59 | 5n46 |

Julian Day Number = 2077541.5, Delta T = 26m26s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'08, Lahiri = 9°35'08 Julian Calendar 1 Jan. 976 == Greg. Calendar 6 Jan. 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## FEBRUARY 976 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 2 0 | 17♒ 1'55 | 23♉27 | 21♉21 | 25♓33 | 25♏54 | 29♐10 | 6°R19 | 0♐16 | 5°R11 | 5°R47 | 8♌59 | 8♌30 | 0♈19 | 22♉39 | T 1 |
| W 2 | 9 5 57 | 18° 2'21 | 5♒54 | 22° 0 | 26°44 | 26°29 | 29°21 | 6♌14 | 0°17 | 5♏11 | 5♍45 | 8°R59 | 8°27 | 0°26 | 22°44 | W 2 |
| T 3 | 9 9 53 | 19° 2'46 | 18°11 | 22°42 | 27°56 | 27° 3 | 29°32 | 6° 9 | 0°19 | 5°11 | 5°44 | 8°59 | 8°24 | 0°33 | 22°48 | T 3 |
| F 4 | 9 13 50 | 20° 3'09 | 0♓18 | 23°28 | 29° 7 | 27°38 | 29°43 | 6° 5 | 0°20 | 5°11 | 5°42 | 8°58 | 8°21 | 0°39 | 22°53 | F 4 |
| S 5 | 9 17 46 | 21° 3'30 | 12°18 | 24°18 | 0♈18 | 28°12 | 29°54 | 6° 0 | 0°21 | 5°11 | 5°41 | 8°57 | 8°18 | 0°46 | 22°58 | S 5 |
| S 6 | 9 21 43 | 22° 3'49 | 24°12 | 25°11 | 1°29 | 28°47 | 0♉ 5 | 5°55 | 0°22 | 5°11 | 5°39 | 8°55 | 8°15 | 0°53 | 23° 2 | S 6 |
| M 7 | 9 25 39 | 23° 4'06 | 6♈ 2 | 26° 7 | 2°40 | 29°21 | 0°16 | 5°51 | 0°24 | 5°11 | 5°38 | 8°53 | 8°11 | 0°59 | 23° 7 | M 7 |
| T 8 | 9 29 36 | 24° 4'21 | 17°53 | 27° 6 | 3°51 | 29°55 | 0°27 | 5°46 | 0°25 | 5°11 | 5°36 | 8°50 | 8° 8 | 1° 6 | 23°11 | T 8 |
| W 9 | 9 33 33 | 25° 4'34 | 29°46 | 28° 7 | 5° 2 | 0♐29 | 0°38 | 5°42 | 0°26 | 5°10 | 5°34 | 8°48 | 8° 5 | 1°13 | 23°16 | W 9 |
| T 10 | 9 37 29 | 26° 4'45 | 11♉46 | 29°11 | 6°12 | 1° 3 | 0°48 | 5°37 | 0°27 | 5°10 | 5°33 | 8°47 | 8° 2 | 1°19 | 23°20 | T 10 |
| F 11 | 9 41 26 | 27° 4'54 | 23°57 | 0♒17 | 7°23 | 1°37 | 0°59 | 5°33 | 0°28 | 5°10 | 5°31 | 8°D46 | 7°59 | 1°26 | 23°24 | F 11 |
| S 12 | 9 45 22 | 28° 5'01 | 6♊24 | 1°26 | 8°33 | 2°11 | 1° 9 | 5°29 | 0°29 | 5° 9 | 5°30 | 8°46 | 7°55 | 1°33 | 23°29 | S 12 |
| S 13 | 9 49 19 | 29° 5'06 | 19°10 | 2°37 | 9°43 | 2°45 | 1°20 | 5°25 | 0°30 | 5° 9 | 5°28 | 8°47 | 7°52 | 1°39 | 23°33 | S 13 |
| M14 | 9 53 15 | 0♓ 5'08 | 2♋21 | 3°49 | 10°53 | 3°18 | 1°30 | 5°20 | 0°30 | 5° 8 | 5°27 | 8°49 | 7°49 | 1°46 | 23°37 | M14 |
| T 15 | 9 57 12 | 1° 5'09 | 15°58 | 5° 3 | 12° 3 | 3°52 | 1°40 | 5°16 | 0°31 | 5° 8 | 5°25 | 8°50 | 7°46 | 1°53 | 23°42 | T 15 |
| W16 | 10 1 8 | 2° 5'07 | 0♌ 1 | 6°20 | 13°13 | 4°26 | 1°50 | 5°12 | 0°32 | 5° 7 | 5°23 | 8°51 | 7°43 | 2° 0 | 23°46 | W16 |
| T 17 | 10 5 5 | 3° 5'03 | 14°31 | 7°37 | 14°23 | 4°59 | 2° 0 | 5° 8 | 0°33 | 5° 7 | 5°22 | 8°R51 | 7°40 | 2° 6 | 23°50 | T 17 |
| F 18 | 10 9 2 | 4° 4'56 | 29°21 | 8°57 | 15°32 | 5°32 | 2°10 | 5° 4 | 0°33 | 5° 6 | 5°20 | 8°50 | 7°36 | 2°13 | 23°54 | F 18 |
| S 19 | 10 12 58 | 5° 4'48 | 14♍25 | 10°18 | 16°42 | 6° 6 | 2°19 | 5° 0 | 0°34 | 5° 6 | 5°19 | 8°48 | 7°33 | 2°20 | 23°58 | S 19 |
| S 20 | 10 16 55 | 6° 4'38 | 29°34 | 11°40 | 17°51 | 6°39 | 2°29 | 4°56 | 0°34 | 5° 5 | 5°17 | 8°44 | 7°30 | 2°26 | 24° 2 | S 20 |
| M21 | 10 20 51 | 7° 4'26 | 14♎37 | 13° 4 | 19° 0 | 7°12 | 2°38 | 4°53 | 0°35 | 5° 5 | 5°15 | 8°40 | 7°27 | 2°33 | 24° 6 | M21 |
| T 22 | 10 24 48 | 8° 4'12 | 29°27 | 14°30 | 20° 9 | 7°45 | 2°48 | 4°49 | 0°35 | 5° 4 | 5°14 | 8°37 | 7°24 | 2°40 | 24°10 | T 22 |
| W23 | 10 28 44 | 9° 3'56 | 13♏56 | 15°57 | 21°17 | 8°17 | 2°57 | 4°45 | 0°35 | 5° 3 | 5°12 | 8°33 | 7°21 | 2°46 | 24°14 | W23 |
| T 24 | 10 32 41 | 10° 3'39 | 28° 1 | 17°25 | 22°26 | 8°50 | 3° 6 | 4°42 | 0°36 | 5° 2 | 5°11 | 8°31 | 7°17 | 2°53 | 24°18 | T 24 |
| F 25 | 10 36 37 | 11° 3'20 | 11♐41 | 18°54 | 23°34 | 9°23 | 3°15 | 4°38 | 0°36 | 5° 2 | 5° 9 | 8°D31 | 7°14 | 3° 0 | 24°22 | F 25 |
| S 26 | 10 40 34 | 12° 2'59 | 24°57 | 20°25 | 24°43 | 9°55 | 3°24 | 4°35 | 0°36 | 5° 1 | 5° 7 | 8°31 | 7°11 | 3° 7 | 24°26 | S 26 |
| S 27 | 10 44 30 | 13° 2'36 | 7♑53 | 21°57 | 25°51 | 10°28 | 3°33 | 4°32 | 0°36 | 5° 0 | 5° 6 | 8°33 | 7° 8 | 3°13 | 24°29 | S 27 |
| M28 | 10 48 27 | 14° 2'12 | 20°30 | 23°31 | 26°58 | 11° 0 | 3°41 | 4°28 | 0°36 | 4°59 | 5° 4 | 8°34 | 7° 5 | 3°20 | 24°33 | M28 |
| T 29 | 10 52 24 | 15♓ 1'46 | 2♒53 | 25♒ 6 | 28♈ 6 | 11♐32 | 3♑50 | 4♌25 | 0°R36 | 4♏58 | 5♍ 3 | 8°R36 | 7♌ 1 | 3♈27 | 24♉37 | T 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s49 | 20s 7 | 1n25 | 20s35 | 1n18 | 2s13 | 0s29 | 18s30 | 0n51 | 23s23 | 0n11 | 19n51 | 1n 6 | 20s10 | 0n 9 | 11s33 | 1n53 | 23n32 | 15n15 | 18n 7 | 18n14 | 3s35 | 15s58 | 5n46 |
| W 2 | 15 30 | 18 37 | 0 17 | 20 41 | 1 6 | 1 42 | 0 26 | 18 39 | 0 50 | 23 23 | 0 11 | 19 52 | 1 6 | 20 10 | 0 9 | 11 33 | 1 53 | 23 33 | 15 15 | 18 7 | 18 15 | 3 33 | 15 57 | 5 46 |
| T 3 | 15 12 | 16 16 | 0s51 | 20 45 | 0 54 | 1 10 | 0 22 | 18 48 | 0 50 | 23 23 | 0 11 | 19 54 | 1 6 | 20 11 | 0 9 | 11 33 | 1 53 | 23 33 | 15 15 | 18 7 | 18 16 | 3 31 | 15 56 | 5 46 |
| F 4 | 14 53 | 13 14 | 1 55 | 20 49 | 0 43 | 0 39 | 0 19 | 18 56 | 0 49 | 23 23 | 0 11 | 19 55 | 1 6 | 20 11 | 0 9 | 11 33 | 1 53 | 23 34 | 15 15 | 18 7 | 18 17 | 3 28 | 15 55 | 5 46 |
| S 5 | 14 33 | 9 40 | 2 54 | 20 51 | 0 32 | 0 7 | 0 15 | 19 5 | 0 48 | 23 23 | 0 11 | 19 56 | 1 6 | 20 11 | 0 9 | 11 33 | 1 53 | 23 35 | 15 15 | 18 7 | 18 17 | 3 26 | 15 54 | 5 47 |
| S 6 | 14 14 | 5 45 | 3 45 | 20 52 | 0 21 | 0n25 | 0 12 | 19 13 | 0 48 | 23 23 | 0 11 | 19 57 | 1 6 | 20 12 | 0 9 | 11 33 | 1 53 | 23 36 | 15 16 | 18 8 | 18 18 | 3 24 | 15 53 | 5 47 |
| M 7 | 13 54 | 1 39 | 4 26 | 20 52 | 0 10 | 0 57 | 0 8 | 19 21 | 0 47 | 23 23 | 0 11 | 19 59 | 1 6 | 20 12 | 0 9 | 11 33 | 1 53 | 23 36 | 15 16 | 18 8 | 18 19 | 3 22 | 15 53 | 5 47 |
| T 8 | 13 34 | 2n30 | 4 55 | 20 51 | 0 0 | 1 28 | 0 5 | 19 29 | 0 46 | 23 23 | 0 11 | 20 0 | 1 6 | 20 12 | 0 9 | 11 33 | 1 53 | 23 37 | 15 16 | 18 9 | 18 20 | 3 20 | 15 52 | 5 47 |
| W 9 | 13 14 | 6 35 | 5 12 | 20 49 | 0s10 | 2 0 | 0 1 | 19 37 | 0 45 | 23 23 | 0 11 | 20 1 | 1 6 | 20 12 | 0 9 | 11 33 | 1 53 | 23 38 | 15 16 | 18 9 | 18 21 | 3 18 | 15 51 | 5 47 |
| T 10 | 12 54 | 10 27 | 5 15 | 20 45 | 0 19 | 2 31 | 0n 3 | 19 45 | 0 45 | 23 23 | 0 11 | 20 2 | 1 6 | 20 13 | 0 9 | 11 32 | 1 53 | 23 39 | 15 16 | 18 10 | 18 22 | 3 15 | 15 50 | 5 48 |
| F 11 | 12 33 | 13 56 | 5 5 | 20 40 | 0 29 | 3 3 | 0 7 | 19 53 | 0 44 | 23 23 | 0 11 | 20 3 | 1 6 | 20 13 | 0 9 | 11 32 | 1 53 | 23 39 | 15 16 | 18 10 | 18 22 | 3 13 | 15 49 | 5 48 |
| S 12 | 12 12 | 16 54 | 4 40 | 20 34 | 0 38 | 3 34 | 0 11 | 20 0 | 0 43 | 23 23 | 0 10 | 20 4 | 1 6 | 20 13 | 0 9 | 11 32 | 1 53 | 23 40 | 15 17 | 18 10 | 18 23 | 3 11 | 15 48 | 5 48 |
| S 13 | 11 51 | 19 8 | 4 1 | 20 26 | 0 46 | 4 6 | 0 15 | 20 8 | 0 42 | 23 23 | 0 10 | 20 5 | 1 6 | 20 13 | 0 9 | 11 32 | 1 53 | 23 41 | 15 17 | 18 10 | 18 24 | 3 9 | 15 47 | 5 48 |
| M14 | 11 30 | 20 25 | 3 8 | 20 17 | 0 54 | 4 37 | 0 19 | 20 15 | 0 41 | 23 23 | 0 10 | 20 7 | 1 6 | 20 13 | 0 9 | 11 32 | 1 53 | 23 42 | 15 17 | 18 9 | 18 25 | 3 7 | 15 46 | 5 49 |
| T 15 | 11 9 | 20 35 | 2 3 | 20 7 | 1 2 | 5 8 | 0 23 | 20 22 | 0 41 | 23 23 | 0 10 | 20 8 | 1 6 | 20 13 | 0 9 | 11 31 | 1 53 | 23 42 | 15 17 | 18 9 | 18 26 | 3 4 | 15 45 | 5 49 |
| W16 | 10 47 | 19 28 | 0 48 | 19 55 | 1 10 | 5 39 | 0 27 | 20 30 | 0 40 | 23 23 | 0 10 | 20 9 | 1 6 | 20 14 | 0 9 | 11 31 | 1 53 | 23 43 | 15 17 | 18 9 | 18 26 | 3 2 | 15 44 | 5 49 |
| T 17 | 10 26 | 17 4 | 0n31 | 19 42 | 1 17 | 6 10 | 0 31 | 20 36 | 0 39 | 23 23 | 0 10 | 20 10 | 1 6 | 20 14 | 0 9 | 11 31 | 1 53 | 23 44 | 15 17 | 18 9 | 18 27 | 3 0 | 15 43 | 5 49 |
| F 18 | 10 4 | 13 29 | 1 50 | 19 28 | 1 23 | 6 41 | 0 35 | 20 43 | 0 38 | 23 23 | 0 10 | 20 11 | 1 6 | 20 14 | 0 9 | 11 31 | 1 54 | 23 44 | 15 17 | 18 9 | 18 28 | 2 58 | 15 42 | 5 50 |
| S 19 | 9 42 | 8 59 | 3 3 | 19 12 | 1 30 | 7 12 | 0 39 | 20 50 | 0 37 | 23 23 | 0 10 | 20 12 | 1 6 | 20 14 | 0 9 | 11 30 | 1 54 | 23 45 | 15 17 | 18 10 | 18 29 | 2 56 | 15 41 | 5 50 |
| S 20 | 9 20 | 3 54 | 4 3 | 18 55 | 1 36 | 7 42 | 0 43 | 20 57 | 0 36 | 23 23 | 0 10 | 20 13 | 1 6 | 20 14 | 0 9 | 11 30 | 1 54 | 23 46 | 15 17 | 18 10 | 18 30 | 2 53 | 15 40 | 5 50 |
| M21 | 8 58 | 1s24 | 4 46 | 18 36 | 1 41 | 8 12 | 0 47 | 21 3 | 0 35 | 23 23 | 0 10 | 20 14 | 1 7 | 20 14 | 0 9 | 11 30 | 1 54 | 23 46 | 15 17 | 18 11 | 18 31 | 2 51 | 15 39 | 5 51 |
| T 22 | 8 35 | 6 31 | 5 9 | 18 16 | 1 46 | 8 42 | 0 51 | 21 10 | 0 34 | 23 23 | 0 10 | 20 14 | 1 7 | 20 14 | 0 9 | 11 30 | 1 54 | 23 47 | 15 17 | 18 13 | 18 31 | 2 49 | 15 38 | 5 51 |
| W23 | 8 13 | 11 9 | 5 12 | 17 55 | 1 51 | 9 12 | 0 56 | 21 16 | 0 33 | 23 23 | 0 10 | 20 15 | 1 7 | 20 14 | 0 9 | 11 29 | 1 54 | 23 48 | 15 17 | 18 13 | 18 32 | 2 47 | 15 37 | 5 51 |
| T 24 | 7 50 | 15 2 | 4 55 | 17 32 | 1 56 | 9 42 | 1 0 | 21 22 | 0 32 | 23 23 | 0 9 | 20 16 | 1 7 | 20 14 | 0 9 | 11 29 | 1 54 | 23 48 | 15 17 | 18 14 | 18 33 | 2 45 | 15 36 | 5 52 |
| F 25 | 7 28 | 17 59 | 4 22 | 17 8 | 1 59 | 10 11 | 1 4 | 21 28 | 0 31 | 23 22 | 0 9 | 20 17 | 1 7 | 20 14 | 0 9 | 11 29 | 1 54 | 23 49 | 15 17 | 18 14 | 18 34 | 2 42 | 15 35 | 5 52 |
| S 26 | 7 5 | 19 52 | 3 36 | 16 42 | 2 3 | 10 41 | 1 8 | 21 34 | 0 30 | 23 22 | 0 9 | 20 18 | 1 7 | 20 14 | 0 9 | 11 28 | 1 54 | 23 50 | 15 17 | 18 14 | 18 35 | 2 40 | 15 34 | 5 52 |
| S 27 | 6 42 | 20 40 | 2 40 | 16 15 | 2 6 | 11 10 | 1 12 | 21 40 | 0 29 | 23 22 | 0 9 | 20 19 | 1 7 | 20 15 | 0 9 | 11 28 | 1 54 | 23 50 | 15 17 | 18 13 | 18 35 | 2 38 | 15 33 | 5 52 |
| M28 | 6 19 | 20 24 | 1 37 | 15 47 | 2 9 | 11 39 | 1 17 | 21 45 | 0 28 | 23 22 | 0 9 | 20 20 | 1 7 | 20 15 | 0 9 | 11 28 | 1 54 | 23 51 | 15 17 | 18 13 | 18 36 | 2 36 | 15 32 | 5 53 |
| T 29 | 5s56 | 19s 7 | 0n31 | 15s17 | 2s11 | 12n 7 | 1n21 | 21s51 | 0n27 | 23s22 | 0n 9 | 20n20 | 1n 7 | 20s15 | 0n 9 | 11s27 | 1n54 | 23n51 | 15n17 | 18n13 | 18n37 | 2s33 | 15s31 | 5n53 |

Julian Day Number = 2077572.5, Delta T = 26m26s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'12, Lahiri = 9°35'12 Julian Calendar 1 Feb. 976 == Greg. Calendar 6 Feb. 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## MARCH 976 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 56 20 | 16♓ 1'17 | 15♒ 4 | 26♒42 | 29♈14 | 12♐ 4 | 3♑58 | 4°R22 | 0°R36 | 4°R57 | 5°R 1 | 8°R36 | 6♌58 | 3♈33 | 24♑40 | W 1 |
| T 2 | 11 0 17 | 17° 0'47 | 27° 8 | 28°19 | 0♉21 | 12°36 | 4° 6 | 4♌19 | 0♐36 | 4♏56 | 5♍ 0 | 8♌34 | 6°55 | 3°40 | 24°44 | T 2 |
| F 3 | 11 4 13 | 18° 0'15 | 9♓ 5 | 29°58 | 1°28 | 13° 7 | 4°14 | 4°17 | 0°36 | 4°55 | 4°58 | 8°30 | 6°52 | 3°47 | 24°47 | F 3 |
| S 4 | 11 8 10 | 18°59'40 | 20°58 | 1♈38 | 2°35 | 13°39 | 4°22 | 4°14 | 0°36 | 4°54 | 4°56 | 8°24 | 6°49 | 3°53 | 24°51 | S 4 |
| S 5 | 11 12 6 | 19°59'04 | 2♈50 | 3°19 | 3°42 | 14°10 | 4°30 | 4°11 | 0°36 | 4°53 | 4°55 | 8°17 | 6°46 | 4° 0 | 24°54 | S 5 |
| M 6 | 11 16 3 | 20°58'25 | 14°40 | 5° 2 | 4°48 | 14°41 | 4°38 | 4° 8 | 0°35 | 4°52 | 4°53 | 8° 9 | 6°42 | 4° 7 | 24°58 | M 6 |
| T 7 | 11 19 59 | 21°57'45 | 26°32 | 6°46 | 5°55 | 15°13 | 4°45 | 4° 6 | 0°35 | 4°51 | 4°52 | 8° 0 | 6°39 | 4°14 | 25° 1 | T 7 |
| W 8 | 11 23 56 | 22°57'01 | 8♉28 | 8°32 | 7° 1 | 15°44 | 4°53 | 4° 4 | 0°35 | 4°50 | 4°50 | 7°52 | 6°36 | 4°20 | 25° 4 | W 8 |
| T 9 | 11 27 53 | 23°56'16 | 20°30 | 10°18 | 8° 7 | 16°14 | 5° 0 | 4° 1 | 0°34 | 4°49 | 4°49 | 7°46 | 6°33 | 4°27 | 25° 7 | T 9 |
| F 10 | 11 31 49 | 24°55'29 | 2♊41 | 12° 6 | 9°12 | 16°45 | 5° 7 | 3°59 | 0°34 | 4°48 | 4°47 | 7°41 | 6°30 | 4°34 | 25°11 | F 10 |
| S 11 | 11 35 46 | 25°54'39 | 15° 5 | 13°56 | 10°18 | 17°15 | 5°14 | 3°57 | 0°33 | 4°47 | 4°46 | 7°39 | 6°27 | 4°40 | 25°14 | S 11 |
| S 12 | 11 39 42 | 26°53'46 | 27°46 | 15°47 | 11°23 | 17°46 | 5°21 | 3°55 | 0°33 | 4°46 | 4°44 | 7°D38 | 6°23 | 4°47 | 25°17 | S 12 |
| M13 | 11 43 39 | 27°52'52 | 10♋49 | 17°39 | 12°28 | 18°16 | 5°27 | 3°53 | 0°32 | 4°44 | 4°43 | 7°39 | 6°20 | 4°54 | 25°20 | M13 |
| T 14 | 11 47 35 | 28°51'55 | 24°17 | 19°33 | 13°32 | 18°46 | 5°34 | 3°51 | 0°31 | 4°43 | 4°41 | 7°40 | 6°17 | 5° 0 | 25°22 | T 14 |
| W15 | 11 51 32 | 29°50'55 | 8♌12 | 21°28 | 14°36 | 19°15 | 5°40 | 3°50 | 0°30 | 4°42 | 4°40 | 7°R40 | 6°14 | 5° 7 | 25°25 | W15 |
| T 16 | 11 55 28 | 0♈49'54 | 22°35 | 23°24 | 15°40 | 19°45 | 5°46 | 3°48 | 0°30 | 4°41 | 4°39 | 7°39 | 6°11 | 5°14 | 25°28 | T 16 |
| F 17 | 11 59 25 | 1°48'50 | 7♍24 | 25°22 | 16°44 | 20°14 | 5°52 | 3°47 | 0°29 | 4°39 | 4°37 | 7°36 | 6° 7 | 5°21 | 25°31 | F 17 |
| S 18 | 12 3 22 | 2°47'43 | 22°32 | 27°21 | 17°48 | 20°44 | 5°58 | 3°45 | 0°28 | 4°38 | 4°36 | 7°31 | 6° 4 | 5°27 | 25°34 | S 18 |
| S 19 | 12 7 18 | 3°46'35 | 7♎51 | 29°22 | 18°51 | 21°13 | 6° 4 | 3°44 | 0°27 | 4°37 | 4°34 | 7°24 | 6° 1 | 5°34 | 25°36 | S 19 |
| M20 | 12 11 15 | 4°45'24 | 23° 9 | 1♈23 | 19°54 | 21°42 | 6° 9 | 3°43 | 0°26 | 4°35 | 4°33 | 7°15 | 5°58 | 5°41 | 25°39 | M20 |
| T 21 | 12 15 11 | 5°44'12 | 8♏15 | 3°26 | 20°56 | 22°10 | 6°15 | 3°42 | 0°25 | 4°34 | 4°32 | 7° 6 | 5°55 | 5°47 | 25°41 | T 21 |
| W22 | 12 19 8 | 6°42'58 | 23° 0 | 5°30 | 21°58 | 22°39 | 6°20 | 3°41 | 0°24 | 4°33 | 4°30 | 6°59 | 5°52 | 5°54 | 25°44 | W22 |
| T 23 | 12 23 4 | 7°41'42 | 7♐19 | 7°35 | 23° 0 | 23° 7 | 6°25 | 3°40 | 0°23 | 4°31 | 4°29 | 6°53 | 5°48 | 6° 1 | 25°46 | T 23 |
| F 24 | 12 27 1 | 8°40'24 | 21° 7 | 9°41 | 24° 2 | 23°35 | 6°30 | 3°39 | 0°22 | 4°30 | 4°28 | 6°49 | 5°45 | 6° 7 | 25°48 | F 24 |
| S 25 | 12 30 57 | 9°39'04 | 4♑28 | 11°47 | 25° 3 | 24° 3 | 6°35 | 3°39 | 0°20 | 4°29 | 4°27 | 6°D48 | 5°42 | 6°14 | 25°51 | S 25 |
| S 26 | 12 34 54 | 10°37'43 | 17°22 | 13°54 | 26° 4 | 24°30 | 6°39 | 3°38 | 0°19 | 4°27 | 4°25 | 6°48 | 5°39 | 6°21 | 25°53 | S 26 |
| M27 | 12 38 50 | 11°36'20 | 29°55 | 16° 0 | 27° 4 | 24°57 | 6°44 | 3°38 | 0°18 | 4°26 | 4°24 | 6°49 | 5°36 | 6°28 | 25°55 | M27 |
| T 28 | 12 42 47 | 12°34'56 | 12♒11 | 18° 7 | 28° 4 | 25°24 | 6°48 | 3°37 | 0°16 | 4°24 | 4°23 | 6°R49 | 5°32 | 6°34 | 25°57 | T 28 |
| W29 | 12 46 44 | 13°33'29 | 24°15 | 20°14 | 29° 4 | 25°51 | 6°52 | 3°37 | 0°15 | 4°23 | 4°22 | 6°47 | 5°29 | 6°41 | 25°59 | W29 |
| T 30 | 12 50 40 | 14°32'01 | 6♓10 | 22°20 | 0♊ 3 | 26°18 | 6°56 | 3°D37 | 0°14 | 4°21 | 4°21 | 6°43 | 5°26 | 6°48 | 26° 1 | T 30 |
| F 31 | 12 54 37 | 15♈30'31 | 18♓ 2 | 24♈25 | 1♊ 2 | 26♐44 | 7♑ 0 | 3♌37 | 0♐12 | 4♏20 | 4♍20 | 6♌37 | 5♌23 | 6♈54 | 26♑ 3 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s33 | 16s58 | 0s35 | 14s46 | 2s13 | 12n35 | 1n25 | 21s56 | 0n26 | 23s22 | 0n 9 | 20n21 | 1n 7 | 20s15 | 0n 9 | 11s27 | 1n54 | 23n52 | 15n17 | 18n13 | 18n38 | 2s31 | 15s30 | 5n53 |
| T 2 | 5 9 | 14 5 | 1 39 | 14 13 | 2 14 | 13 3 | 1 30 | 22 2 | 0 25 | 23 22 | 0 9 | 20 22 | 1 7 | 20 15 | 0 9 | 11 27 | 1 54 | 23 53 | 15 17 | 18 13 | 18 39 | 2 29 | 15 30 | 5 54 |
| F 3 | 4 46 | 10 39 | 2 38 | 13 39 | 2 15 | 13 31 | 1 34 | 22 7 | 0 23 | 23 21 | 0 9 | 20 22 | 1 7 | 20 15 | 0 9 | 11 26 | 1 54 | 23 53 | 15 17 | 18 14 | 18 39 | 2 27 | 15 29 | 5 54 |
| S 4 | 4 23 | 6 48 | 3 30 | 13 4 | 2 16 | 13 58 | 1 38 | 22 12 | 0 22 | 23 21 | 0 9 | 20 23 | 1 7 | 20 14 | 0 9 | 11 26 | 1 54 | 23 54 | 15 17 | 18 16 | 18 40 | 2 25 | 15 28 | 5 54 |
| S 5 | 3 59 | 2 43 | 4 12 | 12 27 | 2 16 | 14 25 | 1 42 | 22 17 | 0 21 | 23 21 | 0 9 | 20 24 | 1 7 | 20 14 | 0 9 | 11 26 | 1 54 | 23 54 | 15 17 | 18 18 | 18 41 | 2 22 | 15 27 | 5 55 |
| M 6 | 3 36 | 1n28 | 4 43 | 11 49 | 2 15 | 14 52 | 1 47 | 22 22 | 0 20 | 23 21 | 0 8 | 20 24 | 1 7 | 20 14 | 0 9 | 11 25 | 1 54 | 23 55 | 15 17 | 18 20 | 18 42 | 2 20 | 15 26 | 5 55 |
| T 7 | 3 12 | 5 36 | 5 2 | 11 9 | 2 14 | 15 18 | 1 51 | 22 26 | 0 18 | 23 21 | 0 8 | 20 25 | 1 7 | 20 14 | 0 9 | 11 25 | 1 54 | 23 55 | 15 17 | 18 22 | 18 43 | 2 18 | 15 25 | 5 56 |
| W 8 | 2 49 | 9 32 | 5 8 | 10 28 | 2 13 | 15 44 | 1 55 | 22 31 | 0 17 | 23 20 | 0 8 | 20 26 | 1 7 | 20 14 | 0 9 | 11 24 | 1 55 | 23 56 | 15 17 | 18 24 | 18 43 | 2 16 | 15 24 | 5 56 |
| T 9 | 2 25 | 13 8 | 5 1 | 9 46 | 2 11 | 16 10 | 1 59 | 22 36 | 0 16 | 23 20 | 0 8 | 20 26 | 1 7 | 20 14 | 0 9 | 11 24 | 1 55 | 23 56 | 15 17 | 18 26 | 18 44 | 2 13 | 15 23 | 5 56 |
| F 10 | 2 2 | 16 14 | 4 40 | 9 2 | 2 9 | 16 35 | 2 3 | 22 40 | 0 14 | 23 20 | 0 8 | 20 27 | 1 7 | 20 14 | 0 9 | 11 24 | 1 55 | 23 57 | 15 17 | 18 27 | 18 45 | 2 11 | 15 22 | 5 57 |
| S 11 | 1 38 | 18 40 | 4 5 | 8 17 | 2 6 | 17 0 | 2 8 | 22 44 | 0 13 | 23 20 | 0 8 | 20 27 | 1 7 | 20 14 | 0 9 | 11 23 | 1 55 | 23 57 | 15 17 | 18 28 | 18 46 | 2 9 | 15 21 | 5 57 |
| S 12 | 1 14 | 20 15 | 3 18 | 7 31 | 2 2 | 17 25 | 2 12 | 22 49 | 0 12 | 23 20 | 0 8 | 20 28 | 1 7 | 20 14 | 0 9 | 11 23 | 1 55 | 23 58 | 15 17 | 18 28 | 18 47 | 2 7 | 15 20 | 5 57 |
| M13 | 0 51 | 20 49 | 2 19 | 6 43 | 1 58 | 17 49 | 2 16 | 22 53 | 0 10 | 23 20 | 0 8 | 20 28 | 1 7 | 20 14 | 0 9 | 11 22 | 1 55 | 23 58 | 15 16 | 18 28 | 18 47 | 2 4 | 15 19 | 5 58 |
| T 14 | 0 27 | 20 12 | 1 11 | 5 54 | 1 54 | 18 13 | 2 20 | 22 57 | 0 9 | 23 19 | 0 8 | 20 28 | 1 7 | 20 13 | 0 9 | 11 22 | 1 55 | 23 58 | 15 16 | 18 27 | 18 48 | 2 2 | 15 18 | 5 58 |
| W15 | 0 4 | 18 22 | 0n 3 | 5 4 | 1 49 | 18 36 | 2 24 | 23 1 | 0 7 | 23 19 | 0 8 | 20 29 | 1 7 | 20 13 | 0 9 | 11 21 | 1 55 | 23 59 | 15 16 | 18 27 | 18 49 | 2 0 | 15 18 | 5 59 |
| T 16 | 0n20 | 15 19 | 1 19 | 4 13 | 1 43 | 18 59 | 2 28 | 23 5 | 0 6 | 23 19 | 0 8 | 20 29 | 1 7 | 20 13 | 0 9 | 11 21 | 1 55 | 23 59 | 15 16 | 18 27 | 18 50 | 1 58 | 15 17 | 5 59 |
| F 17 | 0 44 | 11 12 | 2 33 | 3 20 | 1 37 | 19 21 | 2 32 | 23 8 | 0 4 | 23 19 | 0 7 | 20 30 | 1 7 | 20 13 | 0 9 | 11 20 | 1 55 | 24 0 | 15 16 | 18 28 | 18 51 | 1 55 | 15 16 | 5 59 |
| S 18 | 1 7 | 6 17 | 3 37 | 2 27 | 1 31 | 19 43 | 2 36 | 23 12 | 0 3 | 23 19 | 0 7 | 20 30 | 1 7 | 20 13 | 0 9 | 11 20 | 1 55 | 24 0 | 15 16 | 18 30 | 18 51 | 1 53 | 15 15 | 6 0 |
| S 19 | 1 31 | 0 56 | 4 26 | 1 32 | 1 24 | 20 5 | 2 40 | 23 16 | 0 1 | 23 19 | 0 7 | 20 30 | 1 7 | 20 13 | 0 9 | 11 20 | 1 55 | 24 0 | 15 16 | 18 31 | 18 52 | 1 51 | 15 14 | 6 0 |
| M20 | 1 54 | 4s28 | 4 56 | 0 36 | 1 16 | 20 26 | 2 44 | 23 19 | 0s 1 | 23 18 | 0 7 | 20 30 | 1 7 | 20 12 | 0 9 | 11 19 | 1 55 | 24 1 | 15 15 | 18 34 | 18 53 | 1 49 | 15 13 | 6 1 |
| T 21 | 2 17 | 9 31 | 5 5 | 0n20 | 1 8 | 20 46 | 2 47 | 23 22 | 0 2 | 23 18 | 0 7 | 20 31 | 1 7 | 20 12 | 0 9 | 11 19 | 1 55 | 24 1 | 15 15 | 18 36 | 18 54 | 1 46 | 15 12 | 6 1 |
| W22 | 2 41 | 13 54 | 4 53 | 1 17 | 1 0 | 21 7 | 2 51 | 23 26 | 0 4 | 23 18 | 0 7 | 20 31 | 1 7 | 20 12 | 0 9 | 11 18 | 1 55 | 24 1 | 15 15 | 18 38 | 18 55 | 1 44 | 15 12 | 6 1 |
| T 23 | 3 4 | 17 19 | 4 23 | 2 15 | 0 51 | 21 26 | 2 55 | 23 29 | 0 6 | 23 18 | 0 7 | 20 31 | 1 7 | 20 12 | 0 9 | 11 18 | 1 55 | 24 2 | 15 15 | 18 39 | 18 55 | 1 42 | 15 11 | 6 2 |
| F 24 | 3 27 | 19 38 | 3 39 | 3 13 | 0 41 | 21 45 | 2 58 | 23 32 | 0 7 | 23 18 | 0 7 | 20 31 | 1 6 | 20 11 | 0 9 | 11 17 | 1 55 | 24 2 | 15 15 | 18 40 | 18 56 | 1 40 | 15 10 | 6 2 |
| S 25 | 3 51 | 20 46 | 2 44 | 4 12 | 0 31 | 22 4 | 3 2 | 23 35 | 0 9 | 23 18 | 0 7 | 20 31 | 1 6 | 20 11 | 0 9 | 11 17 | 1 55 | 24 2 | 15 14 | 18 40 | 18 57 | 1 37 | 15 9 | 6 3 |
| S 26 | 4 14 | 20 45 | 1 42 | 5 11 | 0 21 | 22 22 | 3 5 | 23 38 | 0 11 | 23 18 | 0 7 | 20 31 | 1 6 | 20 11 | 0 9 | 11 16 | 1 55 | 24 3 | 15 14 | 18 40 | 18 58 | 1 35 | 15 8 | 6 3 |
| M27 | 4 37 | 19 41 | 0 37 | 6 10 | 0 11 | 22 40 | 3 9 | 23 41 | 0 13 | 23 17 | 0 6 | 20 31 | 1 6 | 20 11 | 0 9 | 11 16 | 1 55 | 24 3 | 15 14 | 18 40 | 18 59 | 1 33 | 15 7 | 6 4 |
| T 28 | 5 0 | 17 42 | 0s29 | 7 9 | 0n 0 | 22 57 | 3 12 | 23 44 | 0 15 | 23 17 | 0 6 | 20 32 | 1 6 | 20 10 | 0 9 | 11 15 | 1 55 | 24 3 | 15 14 | 18 40 | 18 59 | 1 31 | 15 7 | 6 4 |
| W29 | 5 23 | 14 57 | 1 31 | 8 7 | 0 11 | 23 14 | 3 15 | 23 47 | 0 17 | 23 17 | 0 6 | 20 32 | 1 6 | 20 10 | 0 9 | 11 14 | 1 55 | 24 3 | 15 13 | 18 41 | 19 0 | 1 28 | 15 6 | 6 4 |
| T 30 | 5 46 | 11 37 | 2 30 | 9 5 | 0 22 | 23 30 | 3 18 | 23 50 | 0 19 | 23 17 | 0 6 | 20 32 | 1 6 | 20 10 | 0 9 | 11 14 | 1 55 | 24 3 | 15 13 | 18 42 | 19 1 | 1 26 | 15 5 | 6 5 |
| F 31 | 6n 8 | 7s50 | 3s21 | 10n 1 | 0n33 | 23n45 | 3n21 | 23s52 | 0s21 | 23s17 | 0n 6 | 20n32 | 1n 6 | 20s10 | 0n 9 | 11s13 | 1n55 | 24n 4 | 15n13 | 18n43 | 19n 2 | 1s24 | 15s 4 | 6n 5 |

Julian Day Number = 2077601.5, Delta T = 26m25s
Ecliptic obliquity = 23°34'14, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'16, Lahiri = 9°35'16 Julian Calendar 1 March 976 == Greg. Calendar 6 March 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## APRIL 976 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 58 33 | 16♈28'59 | 29♓52 | 26♈29 | 2♊ 0 | 27♐10 | 7♑ 3 | 3♌37 | 0°R11 | 4°R18 | 4°R18 | 6°R27 | 5♌20 | 7♈ 1 | 26♑ 4 | S 1 |
| S 2 | 13 2 30 | 17°27'26 | 11♈42 | 28°31 | 2°58 | 27°36 | 7° 7 | 3°37 | 0♐ 9 | 4♏17 | 4♍17 | 6♌16 | 5°17 | 7° 8 | 26° 6 | S 2 |
| M 3 | 13 6 26 | 18°25'50 | 23°35 | 0♉31 | 3°56 | 28° 1 | 7°10 | 3°38 | 0° 7 | 4°15 | 4°16 | 6° 3 | 5°13 | 7°15 | 26° 8 | M 3 |
| T 4 | 13 10 23 | 19°24'13 | 5♉32 | 2°30 | 4°53 | 28°26 | 7°13 | 3°38 | 0° 6 | 4°13 | 4°15 | 5°49 | 5°10 | 7°21 | 26° 9 | T 4 |
| W 5 | 13 14 19 | 20°22'33 | 17°33 | 4°25 | 5°49 | 28°51 | 7°16 | 3°39 | 0° 4 | 4°12 | 4°14 | 5°37 | 5° 7 | 7°28 | 26°11 | W 5 |
| T 6 | 13 18 16 | 21°20'52 | 29°42 | 6°18 | 6°45 | 29°15 | 7°18 | 3°39 | 0° 2 | 4°10 | 4°13 | 5°26 | 5° 4 | 7°35 | 26°12 | T 6 |
| F 7 | 13 22 13 | 22°19'09 | 11♊59 | 8° 8 | 7°41 | 29°40 | 7°21 | 3°40 | 0° 1 | 4° 9 | 4°12 | 5°17 | 5° 1 | 7°41 | 26°14 | F 7 |
| S 8 | 13 26 9 | 23°17'23 | 24°27 | 9°55 | 8°35 | 0♑ 3 | 7°23 | 3°41 | 29♏59 | 4° 7 | 4°11 | 5°12 | 4°58 | 7°48 | 26°15 | S 8 |
| S 9 | 13 30 6 | 24°15'36 | 7♋ 9 | 11°38 | 9°30 | 0°27 | 7°25 | 3°42 | 29°57 | 4° 6 | 4°10 | 5° 9 | 4°54 | 7°55 | 26°16 | S 9 |
| M10 | 13 34 2 | 25°13'47 | 20° 9 | 13°18 | 10°24 | 0°50 | 7°27 | 3°43 | 29°55 | 4° 4 | 4°10 | 5° 8 | 4°51 | 8° 1 | 26°17 | M10 |
| T 11 | 13 37 59 | 26°11'55 | 3♌31 | 14°54 | 11°17 | 1°13 | 7°29 | 3°44 | 29°53 | 4° 2 | 4° 9 | 5° 8 | 4°48 | 8° 8 | 26°19 | T 11 |
| W12 | 13 41 55 | 27°10'02 | 17°16 | 16°26 | 12° 9 | 1°35 | 7°30 | 3°45 | 29°51 | 4° 1 | 4° 8 | 5° 7 | 4°45 | 8°15 | 26°20 | W12 |
| T 13 | 13 45 52 | 28° 8'06 | 1♍27 | 17°55 | 13° 1 | 1°58 | 7°31 | 3°47 | 29°49 | 3°59 | 4° 7 | 5° 6 | 4°42 | 8°22 | 26°21 | T 13 |
| F 14 | 13 49 48 | 29° 6'08 | 16° 2 | 19°19 | 13°52 | 2°19 | 7°33 | 3°48 | 29°47 | 3°58 | 4° 6 | 5° 2 | 4°38 | 8°28 | 26°22 | F 14 |
| S 15 | 13 53 45 | 0♉ 4'09 | 0♎59 | 20°39 | 14°43 | 2°41 | 7°34 | 3°50 | 29°45 | 3°56 | 4° 6 | 4°55 | 4°35 | 8°35 | 26°22 | S 15 |
| S 16 | 13 57 42 | 1° 2'07 | 16°10 | 21°55 | 15°32 | 3° 2 | 7°34 | 3°52 | 29°43 | 3°54 | 4° 5 | 4°46 | 4°32 | 8°42 | 26°23 | S 16 |
| M17 | 14 1 38 | 2° 0'04 | 1♏25 | 23° 7 | 16°21 | 3°22 | 7°35 | 3°53 | 29°41 | 3°53 | 4° 4 | 4°35 | 4°29 | 8°48 | 26°24 | M17 |
| T 18 | 14 5 35 | 2°57'59 | 16°32 | 24°14 | 17° 9 | 3°43 | 7°35 | 3°55 | 29°39 | 3°51 | 4° 3 | 4°24 | 4°26 | 8°55 | 26°24 | T 18 |
| W19 | 14 9 31 | 3°55'53 | 1♐23 | 25°17 | 17°56 | 4° 2 | 7°36 | 3°57 | 29°37 | 3°49 | 4° 3 | 4°14 | 4°23 | 9° 2 | 26°25 | W19 |
| T 20 | 14 13 28 | 4°53'46 | 15°48 | 26°15 | 18°43 | 4°22 | 7°R36 | 3°59 | 29°35 | 3°48 | 4° 2 | 4° 6 | 4°19 | 9° 9 | 26°25 | T 20 |
| F 21 | 14 17 24 | 5°51'37 | 29°44 | 27° 9 | 19°29 | 4°41 | 7°35 | 4° 2 | 29°33 | 3°46 | 4° 2 | 4° 1 | 4°16 | 9°15 | 26°26 | F 21 |
| S 22 | 14 21 21 | 6°49'26 | 13♑11 | 27°59 | 20°13 | 4°59 | 7°35 | 4° 4 | 29°31 | 3°45 | 4° 1 | 3°58 | 4°13 | 9°22 | 26°26 | S 22 |
| S 23 | 14 25 17 | 7°47'15 | 26°10 | 28°43 | 20°57 | 5°17 | 7°35 | 4° 6 | 29°28 | 3°43 | 4° 1 | 3°57 | 4°10 | 9°29 | 26°26 | S 23 |
| M24 | 14 29 14 | 8°45'02 | 8♒45 | 29°23 | 21°40 | 5°35 | 7°34 | 4° 9 | 29°26 | 3°41 | 4° 0 | 3°57 | 4° 7 | 9°35 | 26°27 | M24 |
| T 25 | 14 33 11 | 9°42'48 | 21° 1 | 29°59 | 22°21 | 5°52 | 7°33 | 4°12 | 29°24 | 3°40 | 4° 0 | 3°56 | 4° 4 | 9°42 | 26°27 | T 25 |
| W26 | 14 37 7 | 10°40'33 | 3♓ 4 | 0♊29 | 23° 2 | 6° 9 | 7°32 | 4°14 | 29°22 | 3°38 | 3°59 | 3°55 | 4° 0 | 9°49 | 26°R27 | W26 |
| T 27 | 14 41 4 | 11°38'17 | 14°58 | 0°55 | 23°42 | 6°25 | 7°31 | 4°17 | 29°19 | 3°36 | 3°59 | 3°51 | 3°57 | 9°56 | 26°27 | T 27 |
| F 28 | 14 45 0 | 12°35'59 | 26°48 | 1°15 | 24°20 | 6°40 | 7°29 | 4°20 | 29°17 | 3°35 | 3°58 | 3°44 | 3°54 | 10° 2 | 26°27 | F 28 |
| S 29 | 14 48 57 | 13°33'40 | 8♈38 | 1°31 | 24°57 | 6°55 | 7°27 | 4°23 | 29°15 | 3°33 | 3°58 | 3°35 | 3°51 | 10° 9 | 26°27 | S 29 |
| S 30 | 14 52 53 | 14♉31'20 | 20♈30 | 1♊42 | 25♊33 | 7♑10 | 7♑25 | 4♌26 | 29♏12 | 3♏32 | 3♍58 | 3♌24 | 3♌48 | 10♈16 | 26♑26 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n31 | 3s46 | 4s 3 | 10n57 | 0n44 | 24n 0 | 3n24 | 23s55 | 0s23 | 23s17 | 0n 6 | 20n31 | 1n 6 | 20s 9 | 0n 9 | 11s13 | 1n55 | 24n 4 | 15n13 | 18n46 | 19n 2 | 1s22 | 15s 4 | 6n 6 |
| S 2 | 6 53 | 0n27 | 4 34 | 11 51 | 0 55 | 24 15 | 3 27 | 23 58 | 0 25 | 23 17 | 0 6 | 20 31 | 1 6 | 20 9 | 0 9 | 11 12 | 1 55 | 24 4 | 15 12 | 18 49 | 19 3 | 1 19 | 15 3 | 6 6 |
| M 3 | 7 16 | 4 39 | 4 54 | 12 44 | 1 5 | 24 29 | 3 30 | 24 0 | 0 27 | 23 17 | 0 6 | 20 31 | 1 6 | 20 9 | 0 9 | 11 12 | 1 55 | 24 4 | 15 12 | 18 52 | 19 4 | 1 17 | 15 2 | 6 7 |
| T 4 | 7 38 | 8 42 | 5 1 | 13 35 | 1 16 | 24 42 | 3 32 | 24 3 | 0 29 | 23 17 | 0 6 | 20 31 | 1 6 | 20 8 | 0 9 | 11 11 | 1 55 | 24 4 | 15 12 | 18 55 | 19 5 | 1 15 | 15 1 | 6 7 |
| W 5 | 8 0 | 12 27 | 4 54 | 14 25 | 1 26 | 24 55 | 3 35 | 24 5 | 0 31 | 23 17 | 0 6 | 20 31 | 1 6 | 20 8 | 0 9 | 11 11 | 1 55 | 24 4 | 15 12 | 18 58 | 19 6 | 1 12 | 15 1 | 6 8 |
| T 6 | 8 22 | 15 43 | 4 35 | 15 12 | 1 35 | 25 7 | 3 37 | 24 8 | 0 33 | 23 17 | 0 5 | 20 31 | 1 6 | 20 7 | 0 9 | 11 10 | 1 55 | 24 5 | 15 11 | 19 1 | 19 6 | 1 10 | 15 0 | 6 8 |
| F 7 | 8 44 | 18 21 | 4 2 | 15 57 | 1 45 | 25 19 | 3 40 | 24 10 | 0 36 | 23 17 | 0 5 | 20 31 | 1 6 | 20 7 | 0 9 | 11 10 | 1 55 | 24 5 | 15 11 | 19 3 | 19 7 | 1 8 | 14 59 | 6 9 |
| S 8 | 9 6 | 20 10 | 3 17 | 16 39 | 1 53 | 25 30 | 3 42 | 24 12 | 0 38 | 23 17 | 0 5 | 20 30 | 1 6 | 20 7 | 0 9 | 11 9 | 1 55 | 24 5 | 15 11 | 19 4 | 19 8 | 1 6 | 14 58 | 6 9 |
| S 9 | 9 27 | 21 1 | 2 22 | 17 20 | 2 1 | 25 41 | 3 44 | 24 15 | 0 40 | 23 17 | 0 5 | 20 30 | 1 6 | 20 6 | 0 9 | 11 9 | 1 55 | 24 5 | 15 10 | 19 5 | 19 9 | 1 3 | 14 58 | 6 9 |
| M10 | 9 49 | 20 45 | 1 18 | 17 57 | 2 8 | 25 51 | 3 46 | 24 17 | 0 43 | 23 17 | 0 5 | 20 30 | 1 6 | 20 6 | 0 9 | 11 8 | 1 55 | 24 5 | 15 10 | 19 5 | 19 9 | 1 1 | 14 57 | 6 10 |
| T 11 | 10 10 | 19 20 | 0 9 | 18 33 | 2 15 | 26 1 | 3 48 | 24 19 | 0 45 | 23 17 | 0 5 | 20 30 | 1 6 | 20 6 | 0 9 | 11 7 | 1 55 | 24 5 | 15 10 | 19 5 | 19 10 | 0 59 | 14 56 | 6 10 |
| W12 | 10 31 | 16 45 | 1n 4 | 19 5 | 2 21 | 26 10 | 3 49 | 24 21 | 0 48 | 23 17 | 0 5 | 20 29 | 1 6 | 20 5 | 0 9 | 11 7 | 1 55 | 24 5 | 15 9 | 19 5 | 19 11 | 0 57 | 14 56 | 6 11 |
| T 13 | 10 52 | 13 7 | 2 14 | 19 36 | 2 26 | 26 18 | 3 51 | 24 24 | 0 50 | 23 17 | 0 5 | 20 29 | 1 6 | 20 5 | 0 9 | 11 6 | 1 55 | 24 5 | 15 9 | 19 6 | 19 12 | 0 54 | 14 55 | 6 11 |
| F 14 | 11 13 | 8 34 | 3 18 | 20 3 | 2 30 | 26 26 | 3 52 | 24 26 | 0 53 | 23 17 | 0 5 | 20 28 | 1 6 | 20 4 | 0 9 | 11 6 | 1 55 | 24 5 | 15 9 | 19 7 | 19 12 | 0 52 | 14 55 | 6 12 |
| S 15 | 11 33 | 3 25 | 4 10 | 20 28 | 2 33 | 26 33 | 3 53 | 24 28 | 0 56 | 23 17 | 0 4 | 20 28 | 1 6 | 20 4 | 0 9 | 11 5 | 1 56 | 24 5 | 15 8 | 19 9 | 19 13 | 0 50 | 14 54 | 6 12 |
| S 16 | 11 54 | 2s 1 | 4 45 | 20 51 | 2 36 | 26 40 | 3 55 | 24 30 | 0 58 | 23 17 | 0 4 | 20 28 | 1 6 | 20 3 | 0 9 | 11 5 | 1 56 | 24 5 | 15 8 | 19 11 | 19 14 | 0 47 | 14 53 | 6 13 |
| M17 | 12 14 | 7 20 | 5 0 | 21 11 | 2 37 | 26 46 | 3 55 | 24 33 | 1 1 | 23 17 | 0 4 | 20 27 | 1 6 | 20 3 | 0 9 | 11 4 | 1 56 | 24 5 | 15 8 | 19 13 | 19 15 | 0 45 | 14 53 | 6 13 |
| T 18 | 12 34 | 12 11 | 4 54 | 21 29 | 2 38 | 26 52 | 3 56 | 24 35 | 1 4 | 23 17 | 0 4 | 20 27 | 1 6 | 20 3 | 0 9 | 11 4 | 1 56 | 24 5 | 15 7 | 19 16 | 19 16 | 0 43 | 14 52 | 6 14 |
| W19 | 12 54 | 16 11 | 4 28 | 21 44 | 2 37 | 26 57 | 3 57 | 24 37 | 1 7 | 23 17 | 0 4 | 20 26 | 1 6 | 20 2 | 0 9 | 11 3 | 1 56 | 24 5 | 15 7 | 19 18 | 19 16 | 0 41 | 14 52 | 6 14 |
| T 20 | 13 13 | 19 5 | 3 45 | 21 57 | 2 36 | 27 1 | 3 57 | 24 39 | 1 9 | 23 17 | 0 4 | 20 26 | 1 6 | 20 2 | 0 9 | 11 2 | 1 56 | 24 5 | 15 7 | 19 20 | 19 17 | 0 38 | 14 51 | 6 15 |
| F 21 | 13 33 | 20 44 | 2 50 | 22 7 | 2 34 | 27 5 | 3 57 | 24 41 | 1 12 | 23 17 | 0 4 | 20 25 | 1 6 | 20 1 | 0 9 | 11 2 | 1 56 | 24 4 | 15 6 | 19 22 | 19 18 | 0 36 | 14 51 | 6 15 |
| S 22 | 13 52 | 21 8 | 1 47 | 22 15 | 2 30 | 27 9 | 3 57 | 24 44 | 1 15 | 23 18 | 0 4 | 20 24 | 1 6 | 20 1 | 0 9 | 11 1 | 1 56 | 24 4 | 15 6 | 19 22 | 19 19 | 0 34 | 14 50 | 6 15 |
| S 23 | 14 11 | 20 22 | 0 41 | 22 21 | 2 26 | 27 12 | 3 57 | 24 46 | 1 18 | 23 18 | 0 3 | 20 24 | 1 6 | 20 0 | 0 9 | 11 1 | 1 56 | 24 4 | 15 6 | 19 22 | 19 19 | 0 31 | 14 50 | 6 16 |
| M24 | 14 30 | 18 35 | 0s25 | 22 25 | 2 20 | 27 14 | 3 56 | 24 48 | 1 21 | 23 18 | 0 3 | 20 23 | 1 6 | 20 0 | 0 9 | 11 0 | 1 55 | 24 4 | 15 5 | 19 22 | 19 20 | 0 29 | 14 49 | 6 16 |
| T 25 | 14 48 | 15 58 | 1 29 | 22 26 | 2 14 | 27 16 | 3 56 | 24 51 | 1 25 | 23 18 | 0 3 | 20 23 | 1 6 | 19 59 | 0 9 | 11 0 | 1 55 | 24 4 | 15 5 | 19 23 | 19 21 | 0 27 | 14 49 | 6 17 |
| W26 | 15 6 | 12 44 | 2 28 | 22 26 | 2 7 | 27 18 | 3 55 | 24 53 | 1 28 | 23 18 | 0 3 | 20 22 | 1 6 | 19 59 | 0 9 | 10 59 | 1 55 | 24 4 | 15 4 | 19 23 | 19 22 | 0 24 | 14 48 | 6 17 |
| T 27 | 15 24 | 9 0 | 3 19 | 22 23 | 1 58 | 27 19 | 3 54 | 24 56 | 1 31 | 23 18 | 0 3 | 20 21 | 1 5 | 19 58 | 0 9 | 10 59 | 1 55 | 24 3 | 15 4 | 19 24 | 19 22 | 0 22 | 14 48 | 6 18 |
| F 28 | 15 42 | 4 58 | 4 1 | 22 18 | 1 49 | 27 19 | 3 52 | 24 58 | 1 34 | 23 19 | 0 3 | 20 20 | 1 5 | 19 58 | 0 9 | 10 58 | 1 55 | 24 3 | 15 4 | 19 25 | 19 23 | 0 20 | 14 47 | 6 18 |
| S 29 | 16 0 | 0 44 | 4 33 | 22 11 | 1 38 | 27 19 | 3 51 | 25 1 | 1 38 | 23 19 | 0 3 | 20 20 | 1 5 | 19 57 | 0 9 | 10 58 | 1 55 | 24 3 | 15 3 | 19 27 | 19 24 | 0 18 | 14 47 | 6 19 |
| S 30 | 16n17 | 3n32 | 4s53 | 22n 2 | 1n26 | 27n19 | 3n49 | 25s 3 | 1s41 | 23s19 | 0n 3 | 20n19 | 1n 5 | 19s57 | 0n 9 | 10s57 | 1n55 | 24n 3 | 15n 3 | 19n30 | 19n25 | 0s15 | 14s46 | 6n19 |

Julian Day Number = 2077632.5, Delta T = 26m25s
Ecliptic obliquity = 23°34'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'20, Lahiri = 9°35'21 Julian Calendar 1 Apr. 976 == Greg. Calendar 6 Apr. 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## MAY 976 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 56 50 | 15♉28'59 | 2♉28 | 1♊49 | 26♊ 8 | 7♋24 | 7°R23 | 4♌29 | 29°R10 | 3°R30 | 3°R57 | 3°R11 | 3♌44 | 10♈22 | 26°R26 | M 1 |
| T 2 | 15 0 46 | 16°26'37 | 14°32 | 1°R50 | 26°42 | 7°37 | 7♋21 | 4°32 | 29♏ 7 | 3♏28 | 3♍57 | 2♌57 | 3°41 | 10°29 | 26♋26 | T 2 |
| W 3 | 15 4 43 | 17°24'13 | 26°43 | 1°47 | 27°14 | 7°50 | 7°19 | 4°36 | 29° 5 | 3°27 | 3°57 | 2°45 | 3°38 | 10°36 | 26°25 | W 3 |
| T 4 | 15 8 39 | 18°21'48 | 9♊ 4 | 1°39 | 27°44 | 8° 2 | 7°16 | 4°39 | 29° 3 | 3°25 | 3°57 | 2°34 | 3°35 | 10°42 | 26°25 | T 4 |
| F 5 | 15 12 36 | 19°19'22 | 21°33 | 1°27 | 28°14 | 8°14 | 7°13 | 4°43 | 29° 0 | 3°24 | 3°57 | 2°25 | 3°32 | 10°49 | 26°24 | F 5 |
| S 6 | 15 16 33 | 20°16'55 | 4♋13 | 1°11 | 28°41 | 8°25 | 7°10 | 4°46 | 28°58 | 3°22 | 3°56 | 2°19 | 3°29 | 10°56 | 26°24 | S 6 |
| S 7 | 15 20 29 | 21°14'26 | 17° 6 | 0°52 | 29° 7 | 8°35 | 7° 7 | 4°50 | 28°55 | 3°21 | 3°56 | 2°16 | 3°25 | 11° 3 | 26°23 | S 7 |
| M 8 | 15 24 26 | 22°11'56 | 0♌12 | 0°29 | 29°32 | 8°45 | 7° 4 | 4°54 | 28°53 | 3°19 | 3°56 | 2°D16 | 3°22 | 11° 9 | 26°22 | M 8 |
| T 9 | 15 28 22 | 23° 9'24 | 13°35 | 0° 2 | 29°55 | 8°54 | 7° 1 | 4°58 | 28°51 | 3°18 | 3°56 | 2°16 | 3°19 | 11°16 | 26°21 | T 9 |
| W10 | 15 32 19 | 24° 6'52 | 27°17 | 29♉34 | 0♋15 | 9° 2 | 6°57 | 5° 2 | 28°48 | 3°16 | 3°D56 | 2°R16 | 3°16 | 11°23 | 26°21 | W10 |
| T 11 | 15 36 15 | 25° 4'17 | 11♍18 | 29° 3 | 0°35 | 9°10 | 6°53 | 5° 6 | 28°46 | 3°15 | 3°56 | 2°15 | 3°13 | 11°29 | 26°20 | T 11 |
| F 12 | 15 40 12 | 26° 1'42 | 25°40 | 28°31 | 0°52 | 9°17 | 6°49 | 5°10 | 28°43 | 3°13 | 3°56 | 2°12 | 3° 9 | 11°36 | 26°19 | F 12 |
| S 13 | 15 44 8 | 26°59'05 | 10♎18 | 27°58 | 1° 7 | 9°24 | 6°45 | 5°14 | 28°41 | 3°12 | 3°56 | 2° 6 | 3° 6 | 11°43 | 26°17 | S 13 |
| S 14 | 15 48 5 | 27°56'26 | 25° 9 | 27°24 | 1°20 | 9°30 | 6°41 | 5°19 | 28°38 | 3°10 | 3°57 | 1°59 | 3° 3 | 11°50 | 26°16 | S 14 |
| M15 | 15 52 2 | 28°53'47 | 10♏ 5 | 26°50 | 1°31 | 9°35 | 6°36 | 5°23 | 28°36 | 3° 9 | 3°57 | 1°50 | 3° 0 | 11°56 | 26°15 | M15 |
| T 16 | 15 55 58 | 29°51'07 | 24°58 | 26°18 | 1°40 | 9°39 | 6°31 | 5°28 | 28°33 | 3° 7 | 3°57 | 1°41 | 2°57 | 12° 3 | 26°14 | T 16 |
| W17 | 15 59 55 | 0♊48'26 | 9♐37 | 25°46 | 1°47 | 9°43 | 6°27 | 5°32 | 28°31 | 3° 6 | 3°57 | 1°32 | 2°54 | 12°10 | 26°12 | W17 |
| T 18 | 16 3 51 | 1°45'44 | 23°57 | 25°17 | 1°52 | 9°46 | 6°22 | 5°37 | 28°28 | 3° 5 | 3°57 | 1°25 | 2°50 | 12°16 | 26°11 | T 18 |
| F 19 | 16 7 48 | 2°43'02 | 7♋52 | 24°50 | 1°R54 | 9°48 | 6°17 | 5°41 | 28°26 | 3° 3 | 3°58 | 1°21 | 2°47 | 12°23 | 26°10 | F 19 |
| S 20 | 16 11 44 | 3°40'19 | 21°20 | 24°25 | 1°54 | 9°50 | 6°11 | 5°46 | 28°23 | 3° 2 | 3°58 | 1°19 | 2°44 | 12°30 | 26° 8 | S 20 |
| S 21 | 16 15 41 | 4°37'36 | 4♒22 | 24° 4 | 1°51 | 9°50 | 6° 6 | 5°51 | 28°21 | 3° 1 | 3°58 | 1°D18 | 2°41 | 12°37 | 26° 6 | S 21 |
| M22 | 16 19 38 | 5°34'52 | 17° 1 | 23°47 | 1°47 | 9°R50 | 6° 0 | 5°56 | 28°18 | 2°59 | 3°59 | 1°19 | 2°38 | 12°43 | 26° 5 | M22 |
| T 23 | 16 23 34 | 6°32'07 | 29°20 | 23°33 | 1°39 | 9°50 | 5°55 | 6° 1 | 28°16 | 2°58 | 3°59 | 1°20 | 2°35 | 12°50 | 26° 3 | T 23 |
| W24 | 16 27 31 | 7°29'22 | 11♓25 | 23°23 | 1°30 | 9°48 | 5°49 | 6° 6 | 28°14 | 2°57 | 4° 0 | 1°R20 | 2°31 | 12°57 | 26° 1 | W24 |
| T 25 | 16 31 27 | 8°26'37 | 23°21 | 23°18 | 1°18 | 9°46 | 5°43 | 6°11 | 28°11 | 2°55 | 4° 0 | 1°19 | 2°28 | 13° 4 | 25°59 | T 25 |
| F 26 | 16 35 24 | 9°23'51 | 5♈13 | 23°D17 | 1° 4 | 9°43 | 5°37 | 6°17 | 28° 9 | 2°54 | 4° 1 | 1°15 | 2°25 | 13°10 | 25°58 | F 26 |
| S 27 | 16 39 20 | 10°21'05 | 17° 4 | 23°20 | 0°47 | 9°39 | 5°31 | 6°22 | 28° 6 | 2°53 | 4° 1 | 1°10 | 2°22 | 13°17 | 25°56 | S 27 |
| S 28 | 16 43 17 | 11°18'19 | 29° 0 | 23°28 | 0°28 | 9°35 | 5°24 | 6°27 | 28° 4 | 2°52 | 4° 2 | 1° 3 | 2°19 | 13°24 | 25°54 | S 28 |
| M29 | 16 47 13 | 12°15'33 | 11♉ 3 | 23°41 | 0° 7 | 9°29 | 5°18 | 6°33 | 28° 2 | 2°51 | 4° 2 | 0°55 | 2°15 | 13°30 | 25°51 | M29 |
| T 30 | 16 51 10 | 13°12'46 | 23°15 | 23°59 | 29♊44 | 9°23 | 5°12 | 6°38 | 27°59 | 2°49 | 4° 3 | 0°46 | 2°12 | 13°37 | 25°49 | T 30 |
| W31 | 16 55 7 | 14♊ 9'59 | 5♊38 | 24♉21 | 29♊18 | 9♋17 | 5♋ 5 | 6♌44 | 27♏57 | 2♏48 | 4♍ 3 | 0♌37 | 2♌ 9 | 13♈44 | 25♋47 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n34 | 7n42 | 5s 0 | 21n51 | 1n14 | 27n18 | 3n47 | 25s 6 | 1s44 | 23s19 | 0n 2 | 20n18 | 1n 5 | 19s56 | 0n 9 | 10s57 | 1n55 | 24n 3 | 15n 2 | 19n33 | 19n25 | 0s13 | 14s46 | 6n20 |
| T 2 | 16 51 | 11 36 | 4 54 | 21 38 | 1 1 | 27 16 | 3 44 | 25 9 | 1 48 | 23 20 | 0 2 | 20 17 | 1 5 | 19 56 | 0 9 | 10 56 | 1 55 | 24 2 | 15 2 | 19 36 | 19 26 | 0 11 | 14 46 | 6 20 |
| W 3 | 17 7 | 15 4 | 4 35 | 21 23 | 0 46 | 27 14 | 3 42 | 25 12 | 1 52 | 23 20 | 0 2 | 20 16 | 1 5 | 19 55 | 0 9 | 10 55 | 1 55 | 24 2 | 15 2 | 19 39 | 19 27 | 0 8 | 14 45 | 6 21 |
| T 4 | 17 23 | 17 56 | 4 2 | 21 7 | 0 32 | 27 12 | 3 39 | 25 14 | 1 55 | 23 20 | 0 2 | 20 16 | 1 5 | 19 55 | 0 9 | 10 55 | 1 55 | 24 2 | 15 1 | 19 42 | 19 28 | 0 6 | 14 45 | 6 21 |
| F 5 | 17 39 | 20 1 | 3 18 | 20 49 | 0 16 | 27 9 | 3 35 | 25 17 | 1 59 | 23 20 | 0 2 | 20 15 | 1 5 | 19 54 | 0 9 | 10 54 | 1 55 | 24 1 | 15 1 | 19 44 | 19 28 | 0 4 | 14 45 | 6 21 |
| S 6 | 17 55 | 21 7 | 2 23 | 20 30 | 0s 0 | 27 6 | 3 32 | 25 20 | 2 3 | 23 21 | 0 2 | 20 14 | 1 5 | 19 54 | 0 9 | 10 54 | 1 55 | 24 1 | 15 0 | 19 45 | 19 29 | 0 1 | 14 44 | 6 22 |
| S 7 | 18 10 | 21 9 | 1 20 | 20 10 | 0 17 | 27 2 | 3 28 | 25 23 | 2 6 | 23 21 | 0 2 | 20 13 | 1 5 | 19 53 | 0 9 | 10 53 | 1 55 | 24 1 | 15 0 | 19 46 | 19 30 | 0n 1 | 14 44 | 6 22 |
| M 8 | 18 25 | 20 2 | 0 11 | 19 48 | 0 34 | 26 58 | 3 24 | 25 27 | 2 10 | 23 21 | 0 2 | 20 12 | 1 5 | 19 53 | 0 9 | 10 53 | 1 55 | 24 0 | 15 0 | 19 46 | 19 31 | 0 3 | 14 44 | 6 23 |
| T 9 | 18 40 | 17 47 | 1n 0 | 19 26 | 0 52 | 26 53 | 3 19 | 25 30 | 2 14 | 23 22 | 0 1 | 20 11 | 1 5 | 19 52 | 0 9 | 10 52 | 1 55 | 24 0 | 14 59 | 19 46 | 19 31 | 0 6 | 14 43 | 6 23 |
| W10 | 18 54 | 14 30 | 2 9 | 19 3 | 1 9 | 26 48 | 3 14 | 25 33 | 2 18 | 23 22 | 0 1 | 20 10 | 1 5 | 19 52 | 0 9 | 10 52 | 1 55 | 24 0 | 14 59 | 19 46 | 19 32 | 0 8 | 14 43 | 6 24 |
| T 11 | 19 8 | 10 19 | 3 12 | 18 39 | 1 26 | 26 43 | 3 9 | 25 37 | 2 22 | 23 22 | 0 1 | 20 9 | 1 5 | 19 51 | 0 9 | 10 51 | 1 55 | 23 59 | 14 58 | 19 46 | 19 33 | 0 10 | 14 43 | 6 24 |
| F 12 | 19 22 | 5 28 | 4 4 | 18 16 | 1 43 | 26 37 | 3 3 | 25 40 | 2 26 | 23 23 | 0 1 | 20 8 | 1 5 | 19 51 | 0 9 | 10 51 | 1 55 | 23 59 | 14 58 | 19 47 | 19 33 | 0 13 | 14 43 | 6 24 |
| S 13 | 19 35 | 0 13 | 4 42 | 17 52 | 2 0 | 26 31 | 2 57 | 25 44 | 2 30 | 23 23 | 0 1 | 20 7 | 1 5 | 19 50 | 0 9 | 10 51 | 1 55 | 23 58 | 14 58 | 19 48 | 19 34 | 0 15 | 14 42 | 6 25 |
| S 14 | 19 49 | 5s 7 | 5 1 | 17 29 | 2 16 | 26 24 | 2 51 | 25 48 | 2 34 | 23 23 | 0 1 | 20 6 | 1 5 | 19 49 | 0 9 | 10 50 | 1 55 | 23 58 | 14 57 | 19 50 | 19 35 | 0 17 | 14 42 | 6 25 |
| M15 | 20 1 | 10 10 | 5 0 | 17 6 | 2 31 | 26 17 | 2 44 | 25 51 | 2 38 | 23 24 | 0 1 | 20 5 | 1 5 | 19 49 | 0 9 | 10 50 | 1 55 | 23 58 | 14 57 | 19 52 | 19 36 | 0 20 | 14 42 | 6 26 |
| T 16 | 20 14 | 14 36 | 4 39 | 16 44 | 2 46 | 26 10 | 2 36 | 25 55 | 2 43 | 23 24 | 0 0 | 20 4 | 1 5 | 19 48 | 0 9 | 10 49 | 1 55 | 23 57 | 14 56 | 19 54 | 19 36 | 0 22 | 14 42 | 6 26 |
| W17 | 20 26 | 18 4 | 4 0 | 16 24 | 3 0 | 26 2 | 2 29 | 25 59 | 2 47 | 23 24 | 0 0 | 20 2 | 1 5 | 19 48 | 0 9 | 10 49 | 1 55 | 23 57 | 14 56 | 19 56 | 19 37 | 0 24 | 14 42 | 6 27 |
| T 18 | 20 38 | 20 20 | 3 6 | 16 5 | 3 12 | 25 54 | 2 21 | 26 3 | 2 51 | 23 25 | 0 0 | 20 1 | 1 5 | 19 47 | 0 9 | 10 48 | 1 55 | 23 56 | 14 56 | 19 57 | 19 38 | 0 27 | 14 41 | 6 27 |
| F 19 | 20 49 | 21 18 | 2 2 | 15 47 | 3 24 | 25 45 | 2 12 | 26 7 | 2 56 | 23 25 | 0s 0 | 20 0 | 1 5 | 19 47 | 0 9 | 10 48 | 1 55 | 23 56 | 14 55 | 19 58 | 19 39 | 0 29 | 14 41 | 6 27 |
| S 20 | 21 0 | 21 0 | 0 53 | 15 31 | 3 34 | 25 36 | 2 3 | 26 12 | 3 0 | 23 26 | 0 0 | 19 59 | 1 5 | 19 46 | 0 9 | 10 47 | 1 55 | 23 55 | 14 55 | 19 59 | 19 39 | 0 31 | 14 41 | 6 28 |
| S 21 | 21 11 | 19 32 | 0s16 | 15 18 | 3 43 | 25 27 | 1 54 | 26 16 | 3 4 | 23 26 | 0 0 | 19 58 | 1 5 | 19 46 | 0 9 | 10 47 | 1 55 | 23 55 | 14 54 | 19 59 | 19 40 | 0 34 | 14 41 | 6 28 |
| M22 | 21 21 | 17 9 | 1 23 | 15 6 | 3 51 | 25 17 | 1 44 | 26 20 | 3 9 | 23 26 | 0 0 | 19 56 | 1 5 | 19 45 | 0 9 | 10 47 | 1 55 | 23 54 | 14 54 | 19 59 | 19 41 | 0 36 | 14 41 | 6 29 |
| T 23 | 21 31 | 14 1 | 2 25 | 14 56 | 3 57 | 25 7 | 1 33 | 26 25 | 3 13 | 23 27 | 0 1 | 19 55 | 1 5 | 19 45 | 0 9 | 10 46 | 1 55 | 23 54 | 14 54 | 19 58 | 19 42 | 0 38 | 14 41 | 6 29 |
| W24 | 21 41 | 10 22 | 3 18 | 14 49 | 4 2 | 24 56 | 1 23 | 26 30 | 3 18 | 23 27 | 0 1 | 19 54 | 1 5 | 19 44 | 0 9 | 10 46 | 1 55 | 23 53 | 14 53 | 19 58 | 19 42 | 0 41 | 14 41 | 6 29 |
| T 25 | 21 50 | 6 22 | 4 2 | 14 44 | 4 6 | 24 45 | 1 12 | 26 34 | 3 22 | 23 28 | 0 1 | 19 52 | 1 5 | 19 44 | 0 9 | 10 45 | 1 55 | 23 53 | 14 53 | 19 59 | 19 43 | 0 43 | 14 41 | 6 30 |
| F 26 | 21 59 | 2 8 | 4 36 | 14 41 | 4 9 | 24 34 | 1 0 | 26 39 | 3 27 | 23 28 | 0 1 | 19 51 | 1 5 | 19 43 | 0 9 | 10 45 | 1 55 | 23 52 | 14 52 | 19 59 | 19 44 | 0 45 | 14 41 | 6 30 |
| S 27 | 22 7 | 2n10 | 4 58 | 14 41 | 4 10 | 24 22 | 0 48 | 26 44 | 3 32 | 23 28 | 0 1 | 19 50 | 1 5 | 19 43 | 0 8 | 10 45 | 1 55 | 23 51 | 14 52 | 20 0 | 19 44 | 0 48 | 14 41 | 6 30 |
| S 28 | 22 15 | 6 24 | 5 6 | 14 42 | 4 10 | 24 10 | 0 36 | 26 49 | 3 36 | 23 29 | 0 1 | 19 48 | 1 5 | 19 42 | 0 8 | 10 44 | 1 55 | 23 51 | 14 52 | 20 2 | 19 45 | 0 50 | 14 41 | 6 31 |
| M29 | 22 23 | 10 26 | 5 2 | 14 46 | 4 9 | 23 57 | 0 23 | 26 54 | 3 41 | 23 29 | 0 1 | 19 47 | 1 5 | 19 41 | 0 8 | 10 44 | 1 55 | 23 50 | 14 51 | 20 4 | 19 46 | 0 52 | 14 41 | 6 31 |
| T 30 | 22 31 | 14 7 | 4 44 | 14 53 | 4 7 | 23 44 | 0 10 | 26 59 | 3 45 | 23 30 | 0 2 | 19 46 | 1 5 | 19 41 | 0 8 | 10 43 | 1 55 | 23 50 | 14 51 | 20 6 | 19 47 | 0 55 | 14 41 | 6 32 |
| W31 | 22n38 | 17n14 | 4s12 | 15n 1 | 4s 4 | 23n31 | 0s 3 | 27s 4 | 3s50 | 23s30 | 0s 2 | 19n44 | 1n 5 | 19s40 | 0n 8 | 10s43 | 1n55 | 23n49 | 14n50 | 20n 8 | 19n47 | 0n57 | 14s41 | 6n32 |

Julian Day Number = 2077662.5, Delta T = 26m24s
Ecliptic obliquity = 23°34'14, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'24, Lahiri = 9°35'25 Julian Calendar 1 May 976 == Greg. Calendar 6 May 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## JUNE 976 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 59 3 | 15♊ 7'12 | 18♊13 | 24♉47 | 28°R51 | 9°R 9 | 4°R58 | 6♌49 | 27°R55 | 2°R47 | 4♍ 4 | 0°R30 | 2♌ 6 | 13♈51 | 25°R45 | T 1 |
| F 2 | 17 3 0 | 16° 4'24 | 1♋ 0 | 25°18 | 28♊21 | 9♂ 1 | 4♂51 | 6°55 | 27♏52 | 2♏46 | 4° 5 | 0♌25 | 2° 3 | 13°57 | 25♂43 | F 2 |
| S 3 | 17 6 56 | 17° 1'36 | 13°59 | 25°54 | 27°50 | 8°52 | 4°44 | 7° 1 | 27°50 | 2°45 | 4° 6 | 0°22 | 2° 0 | 14° 4 | 25°40 | S 3 |
| S 4 | 17 10 53 | 17°58'47 | 27°10 | 26°34 | 27°18 | 8°42 | 4°37 | 7° 7 | 27°48 | 2°44 | 4° 6 | 0°D21 | 1°56 | 14°11 | 25°38 | S 4 |
| M 5 | 17 14 49 | 18°55'58 | 10♌34 | 27°19 | 26°44 | 8°32 | 4°30 | 7°12 | 27°45 | 2°43 | 4° 7 | 0°21 | 1°53 | 14°17 | 25°36 | M 5 |
| T 6 | 17 18 46 | 19°53'09 | 24° 9 | 28° 7 | 26° 9 | 8°21 | 4°23 | 7°18 | 27°43 | 2°42 | 4° 8 | 0°22 | 1°50 | 14°24 | 25°33 | T 6 |
| W 7 | 17 22 42 | 20°50'19 | 7♍57 | 29° 1 | 25°33 | 8°10 | 4°16 | 7°24 | 27°41 | 2°41 | 4° 9 | 0°23 | 1°47 | 14°31 | 25°31 | W 7 |
| T 8 | 17 26 39 | 21°47'28 | 21°58 | 29°58 | 24°56 | 7°58 | 4° 9 | 7°30 | 27°39 | 2°40 | 4°10 | 0°R24 | 1°44 | 14°38 | 25°28 | T 8 |
| F 9 | 17 30 36 | 22°44'37 | 6♎11 | 0♊59 | 24°19 | 7°45 | 4° 1 | 7°37 | 27°37 | 2°39 | 4°11 | 0°23 | 1°41 | 14°44 | 25°25 | F 9 |
| S 10 | 17 34 32 | 23°41'46 | 20°33 | 2° 5 | 23°42 | 7°32 | 3°54 | 7°43 | 27°34 | 2°38 | 4°12 | 0°21 | 1°37 | 14°51 | 25°23 | S 10 |
| S 11 | 17 38 29 | 24°38'54 | 5♏ 2 | 3°14 | 23° 4 | 7°18 | 3°46 | 7°49 | 27°32 | 2°37 | 4°13 | 0°17 | 1°34 | 14°58 | 25°20 | S 11 |
| M12 | 17 42 25 | 25°36'03 | 19°33 | 4°28 | 22°27 | 7° 4 | 3°39 | 7°55 | 27°30 | 2°37 | 4°14 | 0°12 | 1°31 | 15° 4 | 25°17 | M12 |
| T 13 | 17 46 22 | 26°33'11 | 4♐ 0 | 5°45 | 21°50 | 6°49 | 3°31 | 8° 2 | 27°28 | 2°36 | 4°15 | 0° 7 | 1°28 | 15°11 | 25°15 | T 13 |
| W14 | 17 50 18 | 27°30'18 | 18°16 | 7° 6 | 21°14 | 6°34 | 3°24 | 8° 8 | 27°26 | 2°35 | 4°16 | 0° 3 | 1°25 | 15°18 | 25°12 | W14 |
| T 15 | 17 54 15 | 28°27'27 | 2♑17 | 8°31 | 20°38 | 6°19 | 3°16 | 8°14 | 27°24 | 2°34 | 4°17 | 29♋59 | 1°21 | 15°25 | 25° 9 | T 15 |
| F 16 | 17 58 11 | 29°24'35 | 15°59 | 10° 0 | 20° 4 | 6° 3 | 3° 8 | 8°21 | 27°22 | 2°34 | 4°18 | 29°57 | 1°18 | 15°31 | 25° 6 | F 16 |
| S 17 | 18 2 8 | 0♋21'43 | 29°20 | 11°33 | 19°31 | 5°47 | 3° 1 | 8°27 | 27°20 | 2°33 | 4°19 | 29°D57 | 1°15 | 15°38 | 25° 3 | S 17 |
| S 18 | 18 6 5 | 1°18'52 | 12♒19 | 13° 9 | 19° 0 | 5°30 | 2°53 | 8°34 | 27°18 | 2°32 | 4°20 | 29°57 | 1°12 | 15°45 | 25° 0 | S 18 |
| M19 | 18 10 1 | 2°16'01 | 24°57 | 14°48 | 18°31 | 5°14 | 2°45 | 8°40 | 27°16 | 2°32 | 4°21 | 29°58 | 1° 9 | 15°51 | 24°57 | M19 |
| T 20 | 18 13 58 | 3°13'10 | 7♓18 | 16°32 | 18° 3 | 4°57 | 2°37 | 8°47 | 27°15 | 2°31 | 4°23 | 0♌ 0 | 1° 6 | 15°58 | 24°54 | T 20 |
| W21 | 18 17 54 | 4°10'20 | 19°25 | 18°18 | 17°37 | 4°40 | 2°30 | 8°54 | 27°13 | 2°30 | 4°24 | 0° 1 | 1° 2 | 16° 5 | 24°51 | W21 |
| T 22 | 18 21 51 | 5° 7'30 | 1♈23 | 20° 8 | 17°13 | 4°23 | 2°22 | 9° 1 | 27°11 | 2°30 | 4°25 | 0°R 2 | 0°59 | 16°12 | 24°48 | T 22 |
| F 23 | 18 25 47 | 6° 4'41 | 13°16 | 22° 0 | 16°52 | 4° 6 | 2°14 | 9° 7 | 27° 9 | 2°29 | 4°26 | 0° 2 | 0°56 | 16°18 | 24°45 | F 23 |
| S 24 | 18 29 44 | 7° 1'53 | 25°10 | 23°55 | 16°33 | 3°49 | 2° 7 | 9°14 | 27° 8 | 2°29 | 4°28 | 0° 1 | 0°53 | 16°25 | 24°42 | S 24 |
| S 25 | 18 33 40 | 7°59'05 | 7♉ 8 | 25°53 | 16°16 | 3°32 | 1°59 | 9°21 | 27° 6 | 2°28 | 4°29 | 29♋59 | 0°50 | 16°32 | 24°39 | S 25 |
| M26 | 18 37 37 | 8°56'18 | 19°15 | 27°53 | 16° 1 | 3°15 | 1°51 | 9°28 | 27° 4 | 2°28 | 4°31 | 29°56 | 0°47 | 16°38 | 24°36 | M26 |
| T 27 | 18 41 34 | 9°53'32 | 1♊33 | 29°55 | 15°49 | 2°58 | 1°44 | 9°35 | 27° 3 | 2°27 | 4°32 | 29°53 | 0°43 | 16°45 | 24°33 | T 27 |
| W28 | 18 45 30 | 10°50'47 | 14° 6 | 1♋59 | 15°39 | 2°41 | 1°36 | 9°42 | 27° 1 | 2°27 | 4°33 | 29°50 | 0°40 | 16°52 | 24°29 | W28 |
| T 29 | 18 49 27 | 11°48'02 | 26°55 | 4° 4 | 15°32 | 2°25 | 1°29 | 9°49 | 27° 0 | 2°27 | 4°35 | 29°48 | 0°37 | 16°59 | 24°26 | T 29 |
| F 30 | 18 53 23 | 12♋45'17 | 10♋ 0 | 6♋10 | 15♊27 | 2♂ 9 | 1♂21 | 9♌56 | 26♏58 | 2♏26 | 4♍36 | 29♋46 | 0♌34 | 17♈ 5 | 24♂23 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n44 | 19n36 | 3s27 | 15n11 | 4s 0 | 23n17 | 0s17 | 27s 9 | 3s54 | 23s31 | 0s 2 | 19n43 | 1n 5 | 19s40 | 0n 8 | 10s43 | 1n55 | 23n48 | 14n50 | 20n 9 | 19n48 | 0n59 | 14s41 | 6n32 |
| F 2 | 22 50 | 21 2 | 2 32 | 15 23 | 3 55 | 23 3 | 0 31 | 27 14 | 3 59 | 23 31 | 0 2 | 19 41 | 1 5 | 19 39 | 0 8 | 10 42 | 1 54 | 23 48 | 14 50 | 20 10 | 19 49 | 1 2 | 14 41 | 6 33 |
| S 3 | 22 56 | 21 23 | 1 27 | 15 37 | 3 49 | 22 49 | 0 44 | 27 19 | 4 4 | 23 31 | 0 2 | 19 40 | 1 5 | 19 39 | 0 8 | 10 42 | 1 54 | 23 47 | 14 49 | 20 11 | 19 49 | 1 4 | 14 41 | 6 33 |
| S 4 | 23 1 | 20 33 | 0 17 | 15 53 | 3 43 | 22 34 | 0 59 | 27 24 | 4 8 | 23 32 | 0 2 | 19 38 | 1 5 | 19 38 | 0 8 | 10 42 | 1 54 | 23 46 | 14 49 | 20 11 | 19 50 | 1 6 | 14 41 | 6 33 |
| M 5 | 23 6 | 18 34 | 0n55 | 16 10 | 3 35 | 22 19 | 1 13 | 27 30 | 4 12 | 23 32 | 0 3 | 19 37 | 1 5 | 19 38 | 0 8 | 10 42 | 1 54 | 23 46 | 14 48 | 20 11 | 19 51 | 1 9 | 14 41 | 6 33 |
| T 6 | 23 11 | 15 31 | 2 6 | 16 29 | 3 27 | 22 4 | 1 27 | 27 35 | 4 17 | 23 33 | 0 3 | 19 35 | 1 5 | 19 37 | 0 8 | 10 41 | 1 54 | 23 45 | 14 48 | 20 11 | 19 52 | 1 11 | 14 42 | 6 34 |
| W 7 | 23 15 | 11 34 | 3 10 | 16 49 | 3 19 | 21 49 | 1 41 | 27 40 | 4 21 | 23 33 | 0 3 | 19 34 | 1 5 | 19 37 | 0 8 | 10 41 | 1 54 | 23 44 | 14 48 | 20 11 | 19 52 | 1 13 | 14 42 | 6 34 |
| T 8 | 23 19 | 6 56 | 4 4 | 17 10 | 3 9 | 21 34 | 1 55 | 27 45 | 4 26 | 23 33 | 0 3 | 19 32 | 1 5 | 19 36 | 0 8 | 10 41 | 1 54 | 23 44 | 14 47 | 20 11 | 19 53 | 1 16 | 14 42 | 6 34 |
| F 9 | 23 22 | 1 52 | 4 44 | 17 32 | 2 59 | 21 18 | 2 9 | 27 50 | 4 30 | 23 34 | 0 3 | 19 31 | 1 5 | 19 36 | 0 8 | 10 40 | 1 54 | 23 43 | 14 47 | 20 11 | 19 54 | 1 18 | 14 42 | 6 35 |
| S 10 | 23 25 | 3s20 | 5 6 | 17 56 | 2 49 | 21 3 | 2 22 | 27 55 | 4 34 | 23 34 | 0 3 | 19 29 | 1 5 | 19 35 | 0 8 | 10 40 | 1 54 | 23 42 | 14 46 | 20 11 | 19 54 | 1 20 | 14 42 | 6 35 |
| S 11 | 23 28 | 8 24 | 5 10 | 18 20 | 2 38 | 20 48 | 2 36 | 28 0 | 4 38 | 23 34 | 0 3 | 19 27 | 1 5 | 19 35 | 0 8 | 10 40 | 1 54 | 23 42 | 14 46 | 20 12 | 19 55 | 1 23 | 14 42 | 6 35 |
| M12 | 23 30 | 13 0 | 4 53 | 18 44 | 2 27 | 20 33 | 2 49 | 28 5 | 4 42 | 23 35 | 0 4 | 19 26 | 1 5 | 19 35 | 0 8 | 10 40 | 1 54 | 23 41 | 14 46 | 20 13 | 19 56 | 1 25 | 14 43 | 6 35 |
| T 13 | 23 32 | 16 50 | 4 19 | 19 10 | 2 15 | 20 18 | 3 2 | 28 10 | 4 46 | 23 35 | 0 4 | 19 24 | 1 5 | 19 34 | 0 8 | 10 39 | 1 54 | 23 40 | 14 45 | 20 14 | 19 57 | 1 27 | 14 43 | 6 36 |
| W14 | 23 33 | 19 36 | 3 28 | 19 35 | 2 3 | 20 3 | 3 14 | 28 14 | 4 50 | 23 35 | 0 4 | 19 23 | 1 5 | 19 34 | 0 8 | 10 39 | 1 54 | 23 39 | 14 45 | 20 15 | 19 57 | 1 30 | 14 43 | 6 36 |
| T 15 | 23 34 | 21 8 | 2 25 | 20 1 | 1 51 | 19 49 | 3 26 | 28 19 | 4 54 | 23 36 | 0 4 | 19 21 | 1 5 | 19 33 | 0 8 | 10 39 | 1 54 | 23 39 | 14 45 | 20 16 | 19 58 | 1 32 | 14 43 | 6 36 |
| F 16 | 23 34 | 21 21 | 1 16 | 20 26 | 1 39 | 19 35 | 3 37 | 28 23 | 4 58 | 23 36 | 0 4 | 19 19 | 1 5 | 19 33 | 0 8 | 10 39 | 1 54 | 23 38 | 14 44 | 20 16 | 19 59 | 1 34 | 14 44 | 6 36 |
| S 17 | 23 34 | 20 21 | 0 3 | 20 52 | 1 26 | 19 22 | 3 48 | 28 28 | 5 1 | 23 36 | 0 4 | 19 17 | 1 5 | 19 32 | 0 8 | 10 39 | 1 54 | 23 37 | 14 44 | 20 16 | 19 59 | 1 37 | 14 44 | 6 37 |
| S 18 | 23 34 | 18 17 | 1s 7 | 21 17 | 1 14 | 19 9 | 3 59 | 28 32 | 5 5 | 23 37 | 0 4 | 19 16 | 1 5 | 19 32 | 0 8 | 10 38 | 1 54 | 23 36 | 14 44 | 20 16 | 20 0 | 1 39 | 14 44 | 6 37 |
| M19 | 23 33 | 15 22 | 2 13 | 21 41 | 1 1 | 18 57 | 4 8 | 28 36 | 5 8 | 23 37 | 0 5 | 19 14 | 1 5 | 19 31 | 0 8 | 10 38 | 1 54 | 23 36 | 14 43 | 20 16 | 20 1 | 1 42 | 14 45 | 6 37 |
| T 20 | 23 32 | 11 49 | 3 11 | 22 5 | 0 48 | 18 45 | 4 18 | 28 40 | 5 11 | 23 37 | 0 5 | 19 12 | 1 5 | 19 31 | 0 8 | 10 38 | 1 54 | 23 35 | 14 43 | 20 16 | 20 1 | 1 44 | 14 45 | 6 37 |
| W21 | 23 30 | 7 52 | 3 59 | 22 27 | 0 36 | 18 34 | 4 26 | 28 44 | 5 15 | 23 38 | 0 5 | 19 11 | 1 5 | 19 31 | 0 8 | 10 38 | 1 53 | 23 34 | 14 42 | 20 15 | 20 2 | 1 46 | 14 45 | 6 38 |
| T 22 | 23 28 | 3 40 | 4 36 | 22 49 | 0 24 | 18 24 | 4 34 | 28 47 | 5 18 | 23 38 | 0 5 | 19 9 | 1 5 | 19 30 | 0 8 | 10 38 | 1 53 | 23 33 | 14 42 | 20 15 | 20 3 | 1 49 | 14 46 | 6 38 |
| F 23 | 23 26 | 0n39 | 5 1 | 23 8 | 0 11 | 18 15 | 4 42 | 28 51 | 5 20 | 23 38 | 0 5 | 19 7 | 1 5 | 19 30 | 0 8 | 10 38 | 1 53 | 23 32 | 14 42 | 20 15 | 20 4 | 1 51 | 14 46 | 6 38 |
| S 24 | 23 23 | 4 56 | 5 13 | 23 26 | 0n 0 | 18 6 | 4 48 | 28 54 | 5 23 | 23 39 | 0 5 | 19 5 | 1 5 | 19 30 | 0 8 | 10 38 | 1 53 | 23 32 | 14 41 | 20 15 | 20 4 | 1 53 | 14 46 | 6 38 |
| S 25 | 23 20 | 9 3 | 5 12 | 23 42 | 0 12 | 17 58 | 4 55 | 28 57 | 5 26 | 23 39 | 0 6 | 19 3 | 1 5 | 19 29 | 0 8 | 10 38 | 1 53 | 23 31 | 14 41 | 20 16 | 20 5 | 1 56 | 14 47 | 6 38 |
| M26 | 23 16 | 12 52 | 4 57 | 23 56 | 0 23 | 17 51 | 5 0 | 29 0 | 5 28 | 23 39 | 0 6 | 19 1 | 1 5 | 19 29 | 0 8 | 10 37 | 1 53 | 23 30 | 14 41 | 20 17 | 20 6 | 1 58 | 14 47 | 6 38 |
| T 27 | 23 12 | 16 13 | 4 28 | 24 8 | 0 33 | 17 45 | 5 5 | 29 2 | 5 30 | 23 39 | 0 6 | 19 0 | 1 5 | 19 28 | 0 8 | 10 37 | 1 53 | 23 29 | 14 41 | 20 17 | 20 6 | 2 0 | 14 47 | 6 39 |
| W28 | 23 7 | 18 53 | 3 46 | 24 17 | 0 43 | 17 39 | 5 10 | 29 5 | 5 32 | 23 40 | 0 6 | 18 58 | 1 5 | 19 28 | 0 8 | 10 37 | 1 53 | 23 28 | 14 40 | 20 18 | 20 7 | 2 3 | 14 48 | 6 39 |
| T 29 | 23 3 | 20 41 | 2 51 | 24 23 | 0 53 | 17 35 | 5 14 | 29 7 | 5 34 | 23 40 | 0 6 | 18 56 | 1 5 | 19 28 | 0 8 | 10 37 | 1 53 | 23 28 | 14 40 | 20 18 | 20 8 | 2 5 | 14 48 | 6 39 |
| F 30 | 22n57 | 21n25 | 1s47 | 24n27 | 1n 1 | 17n31 | 5s18 | 29s 9 | 5s36 | 23s40 | 0s 6 | 18n54 | 1n 5 | 19s27 | 0n 8 | 10s37 | 1n53 | 23n27 | 14n40 | 20n19 | 20n 8 | 2n 8 | 14s49 | 6n39 |

Julian Day Number = 2077693.5, Delta T = 26m24s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'28, Lahiri = 9°35'29 Julian Calendar 1 June 976 == Greg. Calendar 6 June 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## JULY 976 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 57 20 | 13♋42'34 | 23♋21 | 8♋17 | 15°R24 | 1°R53 | 1°R14 | 10♌ 3 | 26°R57 | 2°R26 | 4♍38 | 29°D45 | 0♌31 | 17♈12 | 24°R20 | S 1 |
| S 2 | 19 1 16 | 14°39'51 | 6♌56 | 10°24 | 15°D24 | 1♏37 | 1♏ 6 | 10°10 | 26♏55 | 2♏26 | 4°39 | 29♋45 | 0°27 | 17°19 | 24♏16 | S 2 |
| M 3 | 19 5 13 | 15°37'08 | 20°44 | 12°32 | 15♊26 | 1°22 | 0°59 | 10°17 | 26°54 | 2°26 | 4°41 | 29°46 | 0°24 | 17°26 | 24°13 | M 3 |
| T 4 | 19 9 9 | 16°34'26 | 4♍42 | 14°39 | 15°30 | 1° 8 | 0°52 | 10°25 | 26°53 | 2°26 | 4°42 | 29°47 | 0°21 | 17°32 | 24°10 | T 4 |
| W 5 | 19 13 6 | 17°31'45 | 18°48 | 16°46 | 15°36 | 0°54 | 0°45 | 10°32 | 26°51 | 2°25 | 4°44 | 29°48 | 0°18 | 17°39 | 24° 6 | W 5 |
| T 6 | 19 17 3 | 18°29'03 | 2♎59 | 18°52 | 15°45 | 0°40 | 0°38 | 10°39 | 26°50 | 2°25 | 4°46 | 29°48 | 0°15 | 17°46 | 24° 3 | T 6 |
| F 7 | 19 20 59 | 19°26'23 | 17°13 | 20°58 | 15°56 | 0°27 | 0°31 | 10°46 | 26°49 | 2°25 | 4°47 | 29°R49 | 0°12 | 17°52 | 24° 0 | F 7 |
| S 8 | 19 24 56 | 20°23'42 | 1♏27 | 23° 2 | 16° 8 | 0°15 | 0°24 | 10°54 | 26°48 | 2°25 | 4°49 | 29°49 | 0° 8 | 17°59 | 23°56 | S 8 |
| S 9 | 19 28 52 | 21°21'03 | 15°39 | 25° 6 | 16°23 | 0° 3 | 0°17 | 11° 1 | 26°47 | 2°D25 | 4°51 | 29°48 | 0° 5 | 18° 6 | 23°53 | S 9 |
| M10 | 19 32 49 | 22°18'24 | 29°46 | 27° 8 | 16°40 | 29♐52 | 0°11 | 11° 8 | 26°46 | 2°25 | 4°52 | 29°47 | 0° 2 | 18°13 | 23°50 | M10 |
| T 11 | 19 36 45 | 23°15'46 | 13♐45 | 29° 9 | 16°58 | 29°41 | 0° 4 | 11°16 | 26°45 | 2°25 | 4°54 | 29°47 | 29♋59 | 18°19 | 23°46 | T 11 |
| W12 | 19 40 42 | 24°13'08 | 27°34 | 1♌ 8 | 17°19 | 29°31 | 29♐58 | 11°23 | 26°44 | 2°25 | 4°56 | 29°46 | 29°56 | 18°26 | 23°43 | W12 |
| T 13 | 19 44 39 | 25°10'32 | 11♑10 | 3° 6 | 17°41 | 29°22 | 29°51 | 11°30 | 26°43 | 2°25 | 4°57 | 29°45 | 29°53 | 18°33 | 23°40 | T 13 |
| F 14 | 19 48 35 | 26° 7'56 | 24°31 | 5° 3 | 18° 4 | 29°14 | 29°45 | 11°38 | 26°42 | 2°26 | 4°59 | 29°D45 | 29°49 | 18°39 | 23°36 | F 14 |
| S 15 | 19 52 32 | 27° 5'21 | 7♒35 | 6°58 | 18°30 | 29° 6 | 29°39 | 11°45 | 26°41 | 2°26 | 5° 1 | 29°45 | 29°46 | 18°46 | 23°33 | S 15 |
| S 16 | 19 56 28 | 28° 2'47 | 20°23 | 8°51 | 18°57 | 29° 0 | 29°33 | 11°53 | 26°40 | 2°26 | 5° 3 | 29°45 | 29°43 | 18°53 | 23°30 | S 16 |
| M17 | 20 0 25 | 29° 0'15 | 2♓56 | 10°43 | 19°26 | 28°54 | 29°27 | 12° 0 | 26°40 | 2°26 | 5° 5 | 29°46 | 29°40 | 19° 0 | 23°26 | M17 |
| T 18 | 20 4 21 | 29°57'44 | 15°14 | 12°34 | 19°56 | 28°48 | 29°21 | 12° 8 | 26°39 | 2°26 | 5° 7 | 29°R46 | 29°37 | 19° 6 | 23°23 | T 18 |
| W19 | 20 8 18 | 0♈55'14 | 27°20 | 14°22 | 20°27 | 28°44 | 29°16 | 12°15 | 26°38 | 2°27 | 5° 8 | 29°45 | 29°33 | 19°13 | 23°20 | W19 |
| T 20 | 20 12 14 | 1°52'45 | 9♈18 | 16°10 | 21° 0 | 28°40 | 29°10 | 12°23 | 26°38 | 2°27 | 5°10 | 29°45 | 29°30 | 19°20 | 23°17 | T 20 |
| F 21 | 20 16 11 | 2°50'18 | 21°12 | 17°55 | 21°34 | 28°37 | 29° 5 | 12°30 | 26°37 | 2°27 | 5°12 | 29°45 | 29°27 | 19°27 | 23°13 | F 21 |
| S 22 | 20 20 7 | 3°47'52 | 3♉ 5 | 19°40 | 22°10 | 28°35 | 29° 0 | 12°38 | 26°37 | 2°28 | 5°14 | 29°D45 | 29°24 | 19°33 | 23°10 | S 22 |
| S 23 | 20 24 4 | 4°45'28 | 15° 4 | 21°22 | 22°47 | 28°34 | 28°55 | 12°45 | 26°36 | 2°28 | 5°16 | 29°45 | 29°21 | 19°40 | 23° 7 | S 23 |
| M24 | 20 28 1 | 5°43'05 | 27°11 | 23° 4 | 23°25 | 28°D34 | 28°50 | 12°53 | 26°36 | 2°29 | 5°18 | 29°45 | 29°18 | 19°47 | 23° 4 | M24 |
| T 25 | 20 31 57 | 6°40'44 | 9♊31 | 24°43 | 24° 4 | 28°34 | 28°45 | 13° 1 | 26°36 | 2°29 | 5°20 | 29°46 | 29°14 | 19°53 | 23° 0 | T 25 |
| W26 | 20 35 54 | 7°38'25 | 22° 9 | 26°22 | 24°44 | 28°35 | 28°41 | 13° 8 | 26°35 | 2°30 | 5°22 | 29°47 | 29°11 | 20° 0 | 22°57 | W26 |
| T 27 | 20 39 50 | 8°36'07 | 5♋ 6 | 27°58 | 25°25 | 28°37 | 28°37 | 13°16 | 26°35 | 2°30 | 5°24 | 29°48 | 29° 8 | 20° 7 | 22°54 | T 27 |
| F 28 | 20 43 47 | 9°33'51 | 18°24 | 29°34 | 26° 8 | 28°40 | 28°32 | 13°23 | 26°35 | 2°31 | 5°26 | 29°48 | 29° 5 | 20°14 | 22°51 | F 28 |
| S 29 | 20 47 43 | 10°31'36 | 2♌ 4 | 1♍ 8 | 26°51 | 28°44 | 28°28 | 13°31 | 26°35 | 2°32 | 5°28 | 29°R48 | 29° 2 | 20°20 | 22°48 | S 29 |
| S 30 | 20 51 40 | 11°29'23 | 16° 3 | 2°40 | 27°35 | 28°49 | 28°25 | 13°39 | 26°35 | 2°32 | 5°30 | 29°48 | 28°59 | 20°27 | 22°45 | S 30 |
| M31 | 20 55 37 | 12♌27'11 | 0♍18 | 4♍11 | 28♊20 | 28♐54 | 28♐21 | 13♌46 | 26°D35 | 2♏33 | 5♍32 | 29♋47 | 28♋55 | 20♈34 | 22♑42 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n52 | 20n58 | 0s35 | 24n28 | 1n 9 | 17n27 | 5s21 | 29s11 | 5s37 | 23s40 | 0s 6 | 18n52 | 1n 5 | 19s27 | 0n 8 | 10s37 | 1n53 | 23n26 | 14n39 | 20n19 | 20n 9 | 2n10 | 14s49 | 6n39 |
| S 2 | 22 46 | 19 17 | 0n40 | 24 26 | 1 17 | 17 25 | 5 23 | 29 13 | 5 39 | 23 40 | 0 7 | 18 50 | 1 5 | 19 27 | 0 8 | 10 37 | 1 53 | 23 25 | 14 39 | 20 19 | 20 10 | 2 12 | 14 50 | 6 39 |
| M 3 | 22 39 | 16 27 | 1 53 | 24 21 | 1 23 | 17 23 | 5 25 | 29 14 | 5 40 | 23 41 | 0 7 | 18 48 | 1 5 | 19 27 | 0 8 | 10 37 | 1 53 | 23 24 | 14 39 | 20 19 | 20 10 | 2 15 | 14 50 | 6 39 |
| T 4 | 22 32 | 12 39 | 3 1 | 24 14 | 1 29 | 17 22 | 5 27 | 29 15 | 5 41 | 23 41 | 0 7 | 18 46 | 1 5 | 19 26 | 0 8 | 10 37 | 1 53 | 23 23 | 14 38 | 20 18 | 20 11 | 2 17 | 14 51 | 6 39 |
| W 5 | 22 25 | 8 7 | 3 59 | 24 4 | 1 34 | 17 21 | 5 28 | 29 16 | 5 42 | 23 41 | 0 7 | 18 44 | 1 5 | 19 26 | 0 8 | 10 37 | 1 53 | 23 22 | 14 38 | 20 18 | 20 12 | 2 19 | 14 51 | 6 39 |
| T 6 | 22 17 | 3 8 | 4 43 | 23 51 | 1 38 | 17 21 | 5 29 | 29 17 | 5 43 | 23 41 | 0 7 | 18 42 | 1 5 | 19 26 | 0 8 | 10 37 | 1 53 | 23 22 | 14 38 | 20 18 | 20 13 | 2 22 | 14 52 | 6 39 |
| F 7 | 22 9 | 2s 2 | 5 9 | 23 36 | 1 41 | 17 22 | 5 29 | 29 18 | 5 44 | 23 41 | 0 7 | 18 40 | 1 5 | 19 25 | 0 8 | 10 37 | 1 53 | 23 21 | 14 38 | 20 18 | 20 13 | 2 24 | 14 52 | 6 39 |
| S 8 | 22 1 | 7 6 | 5 16 | 23 18 | 1 44 | 17 23 | 5 29 | 29 18 | 5 44 | 23 42 | 0 7 | 18 39 | 1 5 | 19 25 | 0 8 | 10 37 | 1 52 | 23 20 | 14 37 | 20 18 | 20 14 | 2 27 | 14 53 | 6 40 |
| S 9 | 21 52 | 11 45 | 5 4 | 22 58 | 1 46 | 17 25 | 5 29 | 29 19 | 5 45 | 23 42 | 0 8 | 18 37 | 1 5 | 19 25 | 0 8 | 10 37 | 1 52 | 23 19 | 14 37 | 20 18 | 20 15 | 2 29 | 14 53 | 6 40 |
| M10 | 21 43 | 15 45 | 4 34 | 22 36 | 1 47 | 17 27 | 5 29 | 29 19 | 5 45 | 23 42 | 0 8 | 18 35 | 1 5 | 19 25 | 0 8 | 10 37 | 1 52 | 23 18 | 14 37 | 20 18 | 20 15 | 2 31 | 14 54 | 6 40 |
| T 11 | 21 33 | 18 48 | 3 48 | 22 12 | 1 48 | 17 30 | 5 28 | 29 19 | 5 45 | 23 42 | 0 8 | 18 33 | 1 5 | 19 24 | 0 8 | 10 37 | 1 52 | 23 17 | 14 37 | 20 19 | 20 16 | 2 34 | 14 54 | 6 40 |
| W12 | 21 23 | 20 44 | 2 49 | 21 46 | 1 48 | 17 33 | 5 27 | 29 19 | 5 45 | 23 42 | 0 8 | 18 31 | 1 6 | 19 24 | 0 8 | 10 37 | 1 52 | 23 16 | 14 36 | 20 19 | 20 17 | 2 36 | 14 55 | 6 40 |
| T 13 | 21 13 | 21 25 | 1 41 | 21 18 | 1 47 | 17 36 | 5 25 | 29 19 | 5 44 | 23 42 | 0 8 | 18 28 | 1 6 | 19 24 | 0 8 | 10 38 | 1 52 | 23 15 | 14 36 | 20 19 | 20 17 | 2 38 | 14 55 | 6 40 |
| F 14 | 21 2 | 20 52 | 0 29 | 20 49 | 1 46 | 17 40 | 5 23 | 29 18 | 5 44 | 23 42 | 0 8 | 18 26 | 1 6 | 19 24 | 0 8 | 10 38 | 1 52 | 23 15 | 14 36 | 20 19 | 20 18 | 2 41 | 14 56 | 6 40 |
| S 15 | 20 51 | 19 10 | 0s43 | 20 18 | 1 44 | 17 44 | 5 21 | 29 18 | 5 44 | 23 43 | 0 8 | 18 24 | 1 6 | 19 24 | 0 8 | 10 38 | 1 52 | 23 14 | 14 36 | 20 19 | 20 19 | 2 43 | 14 56 | 6 40 |
| S 16 | 20 40 | 16 32 | 1 52 | 19 46 | 1 41 | 17 48 | 5 19 | 29 17 | 5 43 | 23 43 | 0 8 | 18 22 | 1 6 | 19 24 | 0 8 | 10 38 | 1 52 | 23 13 | 14 35 | 20 19 | 20 19 | 2 46 | 14 57 | 6 40 |
| M17 | 20 28 | 13 11 | 2 54 | 19 13 | 1 38 | 17 53 | 5 17 | 29 16 | 5 42 | 23 43 | 0 9 | 18 20 | 1 6 | 19 23 | 0 8 | 10 38 | 1 52 | 23 12 | 14 35 | 20 19 | 20 20 | 2 48 | 14 57 | 6 40 |
| T 18 | 20 16 | 9 19 | 3 46 | 18 39 | 1 35 | 17 58 | 5 14 | 29 15 | 5 42 | 23 43 | 0 9 | 18 18 | 1 6 | 19 23 | 0 8 | 10 38 | 1 52 | 23 11 | 14 35 | 20 19 | 20 21 | 2 50 | 14 58 | 6 40 |
| W19 | 20 4 | 5 9 | 4 28 | 18 3 | 1 31 | 18 3 | 5 11 | 29 14 | 5 41 | 23 43 | 0 9 | 18 16 | 1 6 | 19 23 | 0 8 | 10 38 | 1 52 | 23 10 | 14 35 | 20 19 | 20 21 | 2 53 | 14 59 | 6 39 |
| T 20 | 19 51 | 0 51 | 4 57 | 17 27 | 1 26 | 18 8 | 5 8 | 29 13 | 5 40 | 23 43 | 0 9 | 18 14 | 1 6 | 19 23 | 0 8 | 10 39 | 1 52 | 23 9 | 14 35 | 20 19 | 20 22 | 2 55 | 14 59 | 6 39 |
| F 21 | 19 38 | 3n28 | 5 13 | 16 50 | 1 22 | 18 14 | 5 5 | 29 12 | 5 38 | 23 43 | 0 9 | 18 12 | 1 6 | 19 23 | 0 8 | 10 39 | 1 52 | 23 8 | 14 34 | 20 19 | 20 23 | 2 58 | 15 0 | 6 39 |
| S 22 | 19 24 | 7 39 | 5 16 | 16 13 | 1 17 | 18 19 | 5 2 | 29 11 | 5 37 | 23 43 | 0 9 | 18 10 | 1 6 | 19 23 | 0 8 | 10 39 | 1 52 | 23 7 | 14 34 | 20 19 | 20 23 | 3 0 | 15 0 | 6 39 |
| S 23 | 19 11 | 11 34 | 5 6 | 15 34 | 1 11 | 18 25 | 4 58 | 29 10 | 5 36 | 23 43 | 0 9 | 18 8 | 1 6 | 19 23 | 0 8 | 10 39 | 1 52 | 23 7 | 14 34 | 20 19 | 20 24 | 3 2 | 15 1 | 6 39 |
| M24 | 18 57 | 15 4 | 4 41 | 14 56 | 1 5 | 18 30 | 4 54 | 29 8 | 5 34 | 23 43 | 0 9 | 18 6 | 1 6 | 19 23 | 0 8 | 10 39 | 1 51 | 23 6 | 14 34 | 20 19 | 20 25 | 3 5 | 15 2 | 6 39 |
| T 25 | 18 42 | 17 59 | 4 4 | 14 17 | 0 59 | 18 36 | 4 51 | 29 7 | 5 33 | 23 43 | 0 10 | 18 4 | 1 6 | 19 23 | 0 8 | 10 40 | 1 51 | 23 5 | 14 34 | 20 19 | 20 25 | 3 7 | 15 2 | 6 39 |
| W26 | 18 28 | 20 7 | 3 14 | 13 37 | 0 52 | 18 41 | 4 47 | 29 5 | 5 31 | 23 44 | 0 10 | 18 1 | 1 6 | 19 23 | 0 8 | 10 40 | 1 51 | 23 4 | 14 34 | 20 18 | 20 26 | 3 9 | 15 3 | 6 39 |
| T 27 | 18 13 | 21 16 | 2 13 | 12 57 | 0 45 | 18 47 | 4 43 | 29 3 | 5 30 | 23 44 | 0 10 | 17 59 | 1 6 | 19 22 | 0 8 | 10 40 | 1 51 | 23 3 | 14 33 | 20 18 | 20 27 | 3 12 | 15 4 | 6 39 |
| F 28 | 17 57 | 21 16 | 1 3 | 12 17 | 0 38 | 18 53 | 4 38 | 29 2 | 5 28 | 23 44 | 0 10 | 17 57 | 1 6 | 19 22 | 0 8 | 10 40 | 1 51 | 23 2 | 14 33 | 20 18 | 20 27 | 3 14 | 15 4 | 6 39 |
| S 29 | 17 42 | 20 1 | 0n13 | 11 37 | 0 31 | 18 58 | 4 34 | 29 0 | 5 26 | 23 44 | 0 10 | 17 55 | 1 7 | 19 22 | 0 8 | 10 41 | 1 51 | 23 1 | 14 33 | 20 18 | 20 28 | 3 17 | 15 5 | 6 38 |
| S 30 | 17 26 | 17 31 | 1 29 | 10 57 | 0 24 | 19 3 | 4 30 | 28 58 | 5 24 | 23 44 | 0 10 | 17 53 | 1 7 | 19 22 | 0 8 | 10 41 | 1 51 | 23 0 | 14 33 | 20 18 | 20 29 | 3 19 | 15 5 | 6 38 |
| M31 | 17n10 | 13n56 | 2n41 | 10n16 | 0n16 | 19n 8 | 4s25 | 28s56 | 5s22 | 23s44 | 0s10 | 17n51 | 1n 7 | 19s22 | 0n 8 | 10s41 | 1n51 | 22n59 | 14n33 | 20n18 | 20n29 | 3n21 | 15s 6 | 6n38 |

Julian Day Number = 2077723.5, Delta T = 26m23s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'33, Lahiri = 9°35'33 Julian Calendar 1 July 976 == Greg. Calendar 6 July 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## AUGUST 976 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 59 33 | 13♌25'00 | 14♍43 | 5♍41 | 29♊ 6 | 29♐ 0 | 28°R17 | 13♌54 | 26♏35 | 2♏34 | 5♍34 | 29°R45 | 28♋52 | 20♈40 | 22°R39 | T 1 |
| W 2 | 21 3 30 | 14°22'51 | 29°15 | 7° 9 | 29°53 | 29° 7 | 28♐14 | 14° 2 | 26°35 | 2°34 | 5°36 | 29♋44 | 28°49 | 20°47 | 22♉36 | W 2 |
| T 3 | 21 7 26 | 15°20'43 | 13♎46 | 8°35 | 0♋41 | 29°15 | 28°11 | 14° 9 | 26°35 | 2°35 | 5°38 | 29°42 | 28°46 | 20°54 | 22°33 | T 3 |
| F 4 | 21 11 23 | 16°18'36 | 28°12 | 10° 0 | 1°29 | 29°23 | 28° 8 | 14°17 | 26°35 | 2°36 | 5°40 | 29°41 | 28°43 | 21° 1 | 22°30 | F 4 |
| S 5 | 21 15 19 | 17°16'31 | 12♏28 | 11°24 | 2°18 | 29°33 | 28° 5 | 14°24 | 26°35 | 2°37 | 5°42 | 29°D40 | 28°39 | 21° 7 | 22°27 | S 5 |
| S 6 | 21 19 16 | 18°14'26 | 26°33 | 12°46 | 3° 8 | 29°43 | 28° 3 | 14°32 | 26°36 | 2°38 | 5°44 | 29°40 | 28°36 | 21°14 | 22°24 | S 6 |
| M 7 | 21 23 12 | 19°12'24 | 10♐24 | 14° 6 | 3°59 | 29°54 | 28° 0 | 14°40 | 26°36 | 2°39 | 5°46 | 29°41 | 28°33 | 21°21 | 22°21 | M 7 |
| T 8 | 21 27 9 | 20°10'22 | 24° 2 | 15°25 | 4°50 | 0♉ 5 | 27°58 | 14°47 | 26°36 | 2°39 | 5°48 | 29°42 | 28°30 | 21°28 | 22°18 | T 8 |
| W 9 | 21 31 5 | 21° 8'22 | 7♉26 | 16°41 | 5°42 | 0°18 | 27°56 | 14°55 | 26°37 | 2°40 | 5°51 | 29°44 | 28°27 | 21°34 | 22°15 | W 9 |
| T 10 | 21 35 2 | 22° 6'24 | 20°37 | 17°57 | 6°34 | 0°31 | 27°54 | 15° 2 | 26°37 | 2°41 | 5°53 | 29°45 | 28°24 | 21°41 | 22°13 | T 10 |
| F 11 | 21 38 59 | 23° 4'27 | 3♒34 | 19°10 | 7°27 | 0°45 | 27°52 | 15°10 | 26°38 | 2°42 | 5°55 | 29°R45 | 28°20 | 21°48 | 22°10 | F 11 |
| S 12 | 21 42 55 | 24° 2'32 | 16°19 | 20°22 | 8°21 | 0°59 | 27°51 | 15°18 | 26°38 | 2°44 | 5°57 | 29°44 | 28°17 | 21°54 | 22° 7 | S 12 |
| S 13 | 21 46 52 | 25° 0'38 | 28°52 | 21°31 | 9°16 | 1°14 | 27°50 | 15°25 | 26°39 | 2°45 | 5°59 | 29°42 | 28°14 | 22° 1 | 22° 5 | S 13 |
| M14 | 21 50 48 | 25°58'46 | 11♓14 | 22°39 | 10°11 | 1°30 | 27°48 | 15°33 | 26°40 | 2°46 | 6° 1 | 29°38 | 28°11 | 22° 8 | 22° 2 | M14 |
| T 15 | 21 54 45 | 26°56'56 | 23°25 | 23°44 | 11° 6 | 1°46 | 27°48 | 15°40 | 26°40 | 2°47 | 6° 3 | 29°34 | 28° 8 | 22°15 | 22° 0 | T 15 |
| W16 | 21 58 41 | 27°55'08 | 5♈28 | 24°47 | 12° 2 | 2° 3 | 27°47 | 15°48 | 26°41 | 2°48 | 6° 6 | 29°29 | 28° 4 | 22°21 | 21°57 | W16 |
| T 17 | 22 2 38 | 28°53'21 | 17°24 | 25°48 | 12°59 | 2°21 | 27°46 | 15°55 | 26°42 | 2°49 | 6° 8 | 29°24 | 28° 1 | 22°28 | 21°55 | T 17 |
| F 18 | 22 6 34 | 29°51'37 | 29°17 | 26°46 | 13°56 | 2°39 | 27°46 | 16° 3 | 26°43 | 2°50 | 6°10 | 29°20 | 27°58 | 22°35 | 21°53 | F 18 |
| S 19 | 22 10 31 | 0♍49'55 | 11♉ 9 | 27°41 | 14°53 | 2°58 | 27°D46 | 16°10 | 26°44 | 2°52 | 6°12 | 29°17 | 27°55 | 22°41 | 21°50 | S 19 |
| S 20 | 22 14 28 | 1°48'15 | 23° 5 | 28°33 | 15°51 | 3°18 | 27°46 | 16°18 | 26°45 | 2°53 | 6°14 | 29°15 | 27°52 | 22°48 | 21°48 | S 20 |
| M21 | 22 18 24 | 2°46'37 | 5♊10 | 29°23 | 16°50 | 3°38 | 27°46 | 16°25 | 26°46 | 2°54 | 6°16 | 29°D15 | 27°49 | 22°55 | 21°46 | M21 |
| T 22 | 22 22 21 | 3°45'02 | 17°28 | 0♎ 9 | 17°49 | 3°58 | 27°46 | 16°33 | 26°47 | 2°56 | 6°19 | 29°16 | 27°45 | 23° 2 | 21°44 | T 22 |
| W23 | 22 26 17 | 4°43'28 | 0♋ 3 | 0°51 | 18°48 | 4°19 | 27°47 | 16°40 | 26°48 | 2°57 | 6°21 | 29°17 | 27°42 | 23° 8 | 21°42 | W23 |
| T 24 | 22 30 14 | 5°41'57 | 13° 1 | 1°30 | 19°48 | 4°41 | 27°48 | 16°47 | 26°49 | 2°58 | 6°23 | 29°19 | 27°39 | 23°15 | 21°40 | T 24 |
| F 25 | 22 34 10 | 6°40'28 | 26°23 | 2° 4 | 20°48 | 5° 3 | 27°49 | 16°55 | 26°51 | 3° 0 | 6°25 | 29°R20 | 27°36 | 23°22 | 21°38 | F 25 |
| S 26 | 22 38 7 | 7°39'01 | 10♌12 | 2°34 | 21°48 | 5°26 | 27°50 | 17° 2 | 26°52 | 3° 1 | 6°27 | 29°19 | 27°33 | 23°29 | 21°36 | S 26 |
| S 27 | 22 42 3 | 8°37'36 | 24°27 | 2°59 | 22°49 | 5°49 | 27°52 | 17° 9 | 26°53 | 3° 3 | 6°29 | 29°17 | 27°30 | 23°35 | 21°34 | S 27 |
| M28 | 22 46 0 | 9°36'14 | 9♍ 3 | 3°19 | 23°50 | 6°13 | 27°53 | 17°17 | 26°55 | 3° 4 | 6°32 | 29°13 | 27°26 | 23°42 | 21°32 | M28 |
| T 29 | 22 49 57 | 10°34'53 | 23°54 | 3°34 | 24°52 | 6°37 | 27°55 | 17°24 | 26°56 | 3° 6 | 6°34 | 29° 7 | 27°23 | 23°49 | 21°30 | T 29 |
| W30 | 22 53 53 | 11°33'34 | 8♎52 | 3°43 | 25°54 | 7° 2 | 27°57 | 17°31 | 26°58 | 3° 7 | 6°36 | 29° 1 | 27°20 | 23°55 | 21°29 | W30 |
| T 31 | 22 57 50 | 12♍32'17 | 23♎48 | 3°R46 | 26♋56 | 7♉27 | 27♐59 | 17♌38 | 26♏59 | 3♏ 9 | 6♍38 | 28♋55 | 27♋17 | 24♈ 2 | 21♉27 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n53 | 9n29 | 3n43 | 9n36 | 0n 8 | 19n13 | 4s21 | 28s54 | 5s20 | 23s44 | 0s10 | 17n49 | 1n 7 | 19s22 | 0n 8 | 10s41 | 1n51 | 22n59 | 14n33 | 20n19 | 20n30 | 3n24 | 15s 7 | 6n38 |
| W 2 | 16 36 | 4 27 | 4 32 | 8 56 | 0s 0 | 19 18 | 4 16 | 28 52 | 5 18 | 23 44 | 0 11 | 17 46 | 1 7 | 19 23 | 0 8 | 10 42 | 1 51 | 22 58 | 14 33 | 20 19 | 20 31 | 3 26 | 15 7 | 6 38 |
| T 3 | 16 19 | 0s48 | 5 3 | 8 16 | 0 9 | 19 23 | 4 11 | 28 50 | 5 16 | 23 44 | 0 11 | 17 44 | 1 7 | 19 23 | 0 7 | 10 42 | 1 51 | 22 57 | 14 33 | 20 20 | 20 31 | 3 29 | 15 8 | 6 38 |
| F 4 | 16 2 | 5 59 | 5 15 | 7 36 | 0 17 | 19 27 | 4 6 | 28 48 | 5 14 | 23 44 | 0 11 | 17 42 | 1 7 | 19 23 | 0 7 | 10 42 | 1 51 | 22 56 | 14 33 | 20 20 | 20 32 | 3 31 | 15 9 | 6 37 |
| S 5 | 15 45 | 10 47 | 5 8 | 6 56 | 0 26 | 19 32 | 4 1 | 28 46 | 5 12 | 23 44 | 0 11 | 17 40 | 1 7 | 19 23 | 0 7 | 10 43 | 1 51 | 22 55 | 14 32 | 20 20 | 20 33 | 3 33 | 15 9 | 6 37 |
| S 6 | 15 27 | 14 55 | 4 42 | 6 16 | 0 35 | 19 36 | 3 57 | 28 44 | 5 10 | 23 44 | 0 11 | 17 38 | 1 7 | 19 23 | 0 7 | 10 43 | 1 51 | 22 54 | 14 32 | 20 20 | 20 33 | 3 36 | 15 10 | 6 37 |
| M 7 | 15 9 | 18 11 | 3 59 | 5 37 | 0 43 | 19 39 | 3 51 | 28 41 | 5 7 | 23 44 | 0 11 | 17 36 | 1 7 | 19 23 | 0 7 | 10 44 | 1 51 | 22 53 | 14 32 | 20 20 | 20 34 | 3 38 | 15 11 | 6 37 |
| T 8 | 14 50 | 20 22 | 3 4 | 4 59 | 0 52 | 19 43 | 3 46 | 28 39 | 5 5 | 23 44 | 0 11 | 17 34 | 1 7 | 19 23 | 0 7 | 10 44 | 1 51 | 22 52 | 14 32 | 20 19 | 20 34 | 3 41 | 15 11 | 6 37 |
| W 9 | 14 32 | 21 22 | 2 0 | 4 20 | 1 1 | 19 46 | 3 41 | 28 37 | 5 3 | 23 45 | 0 11 | 17 31 | 1 7 | 19 23 | 0 7 | 10 44 | 1 50 | 22 52 | 14 32 | 20 19 | 20 35 | 3 43 | 15 12 | 6 36 |
| T 10 | 14 13 | 21 9 | 0 50 | 3 43 | 1 11 | 19 49 | 3 36 | 28 34 | 5 0 | 23 45 | 0 11 | 17 29 | 1 7 | 19 23 | 0 7 | 10 45 | 1 50 | 22 51 | 14 32 | 20 19 | 20 36 | 3 45 | 15 13 | 6 36 |
| F 11 | 13 54 | 19 48 | 0s21 | 3 5 | 1 20 | 19 51 | 3 31 | 28 32 | 4 58 | 23 45 | 0 12 | 17 27 | 1 8 | 19 23 | 0 7 | 10 45 | 1 50 | 22 50 | 14 32 | 20 19 | 20 36 | 3 48 | 15 13 | 6 36 |
| S 12 | 13 35 | 17 28 | 1 30 | 2 29 | 1 29 | 19 53 | 3 26 | 28 29 | 4 55 | 23 45 | 0 12 | 17 25 | 1 8 | 19 24 | 0 7 | 10 45 | 1 50 | 22 49 | 14 32 | 20 19 | 20 37 | 3 50 | 15 14 | 6 36 |
| S 13 | 13 15 | 14 19 | 2 33 | 1 53 | 1 38 | 19 55 | 3 20 | 28 27 | 4 53 | 23 45 | 0 12 | 17 23 | 1 8 | 19 24 | 0 7 | 10 46 | 1 50 | 22 48 | 14 32 | 20 20 | 20 38 | 3 53 | 15 15 | 6 35 |
| M14 | 12 56 | 10 36 | 3 28 | 1 18 | 1 47 | 19 56 | 3 15 | 28 24 | 4 51 | 23 45 | 0 12 | 17 21 | 1 8 | 19 24 | 0 7 | 10 46 | 1 50 | 22 47 | 14 32 | 20 20 | 20 38 | 3 55 | 15 15 | 6 35 |
| T 15 | 12 36 | 6 29 | 4 13 | 0 43 | 1 56 | 19 57 | 3 10 | 28 22 | 4 48 | 23 45 | 0 12 | 17 18 | 1 8 | 19 24 | 0 7 | 10 47 | 1 50 | 22 46 | 14 32 | 20 21 | 20 39 | 3 57 | 15 16 | 6 35 |
| W16 | 12 16 | 2 11 | 4 45 | 0 10 | 2 5 | 19 58 | 3 4 | 28 19 | 4 46 | 23 45 | 0 12 | 17 16 | 1 8 | 19 24 | 0 7 | 10 47 | 1 50 | 22 46 | 14 32 | 20 22 | 20 40 | 4 0 | 15 16 | 6 35 |
| T 17 | 11 55 | 2n10 | 5 5 | 0s22 | 2 14 | 19 58 | 2 59 | 28 16 | 4 43 | 23 45 | 0 12 | 17 14 | 1 8 | 19 24 | 0 7 | 10 48 | 1 50 | 22 45 | 14 32 | 20 23 | 20 40 | 4 2 | 15 17 | 6 34 |
| F 18 | 11 35 | 6 25 | 5 12 | 0 54 | 2 23 | 19 58 | 2 54 | 28 13 | 4 41 | 23 45 | 0 12 | 17 12 | 1 8 | 19 25 | 0 7 | 10 48 | 1 50 | 22 44 | 14 32 | 20 24 | 20 41 | 4 5 | 15 18 | 6 34 |
| S 19 | 11 14 | 10 25 | 5 6 | 1 24 | 2 32 | 19 57 | 2 48 | 28 10 | 4 38 | 23 45 | 0 12 | 17 10 | 1 8 | 19 25 | 0 7 | 10 49 | 1 50 | 22 43 | 14 32 | 20 25 | 20 42 | 4 7 | 15 18 | 6 34 |
| S 20 | 10 53 | 14 2 | 4 46 | 1 53 | 2 41 | 19 56 | 2 43 | 28 7 | 4 36 | 23 46 | 0 12 | 17 8 | 1 8 | 19 25 | 0 7 | 10 49 | 1 50 | 22 42 | 14 32 | 20 25 | 20 42 | 4 9 | 15 19 | 6 33 |
| M21 | 10 32 | 17 8 | 4 13 | 2 20 | 2 49 | 19 54 | 2 37 | 28 4 | 4 33 | 23 46 | 0 13 | 17 5 | 1 9 | 19 25 | 0 7 | 10 50 | 1 50 | 22 41 | 14 32 | 20 25 | 20 43 | 4 12 | 15 20 | 6 33 |
| T 22 | 10 11 | 19 31 | 3 28 | 2 46 | 2 57 | 19 52 | 2 32 | 28 1 | 4 30 | 23 46 | 0 13 | 17 3 | 1 9 | 19 26 | 0 7 | 10 50 | 1 50 | 22 41 | 14 32 | 20 25 | 20 43 | 4 14 | 15 20 | 6 33 |
| W23 | 9 50 | 21 2 | 2 33 | 3 10 | 3 5 | 19 50 | 2 26 | 27 58 | 4 28 | 23 46 | 0 13 | 17 1 | 1 9 | 19 26 | 0 7 | 10 51 | 1 50 | 22 40 | 14 32 | 20 25 | 20 44 | 4 17 | 15 21 | 6 33 |
| T 24 | 9 28 | 21 29 | 1 28 | 3 33 | 3 13 | 19 47 | 2 21 | 27 54 | 4 25 | 23 46 | 0 13 | 16 59 | 1 9 | 19 26 | 0 7 | 10 51 | 1 50 | 22 39 | 14 32 | 20 24 | 20 45 | 4 19 | 15 22 | 6 32 |
| F 25 | 9 7 | 20 44 | 0 16 | 3 53 | 3 20 | 19 43 | 2 15 | 27 51 | 4 23 | 23 46 | 0 13 | 16 57 | 1 9 | 19 27 | 0 7 | 10 52 | 1 50 | 22 38 | 14 32 | 20 24 | 20 45 | 4 21 | 15 22 | 6 32 |
| S 26 | 8 45 | 18 44 | 0n59 | 4 11 | 3 27 | 19 39 | 2 10 | 27 47 | 4 20 | 23 46 | 0 13 | 16 55 | 1 9 | 19 27 | 0 7 | 10 52 | 1 50 | 22 37 | 14 32 | 20 24 | 20 46 | 4 24 | 15 23 | 6 32 |
| S 27 | 8 23 | 15 31 | 2 12 | 4 27 | 3 33 | 19 35 | 2 5 | 27 44 | 4 18 | 23 46 | 0 13 | 16 53 | 1 9 | 19 27 | 0 7 | 10 53 | 1 50 | 22 37 | 14 32 | 20 25 | 20 47 | 4 26 | 15 23 | 6 31 |
| M28 | 8 1 | 11 17 | 3 19 | 4 40 | 3 39 | 19 30 | 1 59 | 27 40 | 4 15 | 23 46 | 0 13 | 16 51 | 1 9 | 19 28 | 0 7 | 10 53 | 1 49 | 22 36 | 14 32 | 20 26 | 20 47 | 4 29 | 15 24 | 6 31 |
| T 29 | 7 38 | 6 18 | 4 13 | 4 50 | 3 43 | 19 24 | 1 54 | 27 36 | 4 12 | 23 46 | 0 13 | 16 48 | 1 9 | 19 28 | 0 7 | 10 54 | 1 49 | 22 35 | 14 32 | 20 27 | 20 48 | 4 31 | 15 25 | 6 31 |
| W30 | 7 16 | 0 54 | 4 50 | 4 58 | 3 48 | 19 18 | 1 48 | 27 32 | 4 10 | 23 47 | 0 13 | 16 46 | 1 10 | 19 28 | 0 7 | 10 54 | 1 49 | 22 34 | 14 33 | 20 28 | 20 48 | 4 33 | 15 25 | 6 30 |
| T 31 | 6n54 | 4s31 | 5n 7 | 5s 2 | 3s51 | 19n12 | 1s43 | 27s28 | 4s 7 | 23s47 | 0s13 | 16n44 | 1n10 | 19s29 | 0n 7 | 10s55 | 1n49 | 22n34 | 14n33 | 20n29 | 20n49 | 4n36 | 15s26 | 6n30 |

Julian Day Number = 2077754.5, Delta T = 26m23s
Ecliptic obliquity = 23°34'14, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'37, Lahiri = 9°35'37 Julian Calendar 1 Aug. 976 == Greg. Calendar 6 Aug. 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## SEPTEMBER 976 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 1 46 | 13♍31'01 | 8♏33 | 3°R42 | 27♋59 | 7♑53 | 28♐ 1 | 17♌45 | 27♏ 1 | 3♏10 | 6♍40 | 28°R49 | 27♋14 | 24♈ 9 | 21°R25 | F 1 |
| S 2 | 23 5 43 | 14°29'48 | 23° 2 | 3♎31 | 29° 2 | 8°19 | 28° 4 | 17°52 | 27° 2 | 3°12 | 6°43 | 28♋45 | 27°10 | 24°16 | 21♑24 | S 2 |
| S 3 | 23 9 39 | 15°28'36 | 7♐11 | 3°13 | 0♌ 5 | 8°46 | 28° 7 | 17°59 | 27° 4 | 3°14 | 6°45 | 28°43 | 27° 7 | 24°22 | 21°22 | S 3 |
| M 4 | 23 13 36 | 16°27'26 | 20°58 | 2°47 | 1° 9 | 9°13 | 28° 9 | 18° 6 | 27° 6 | 3°15 | 6°47 | 28°D43 | 27° 4 | 24°29 | 21°21 | M 4 |
| T 5 | 23 17 32 | 17°26'18 | 4♑24 | 2°15 | 2°12 | 9°40 | 28°13 | 18°13 | 27° 8 | 3°17 | 6°49 | 28°44 | 27° 1 | 24°36 | 21°20 | T 5 |
| W 6 | 23 21 29 | 18°25'12 | 17°32 | 1°35 | 3°16 | 10° 8 | 28°16 | 18°20 | 27°10 | 3°19 | 6°51 | 28°45 | 26°58 | 24°42 | 21°18 | W 6 |
| T 7 | 23 25 26 | 19°24'07 | 0♒24 | 0°48 | 4°21 | 10°36 | 28°19 | 18°27 | 27°11 | 3°20 | 6°53 | 28°R46 | 26°55 | 24°49 | 21°17 | T 7 |
| F 8 | 23 29 22 | 20°23'04 | 13° 2 | 29♍55 | 5°26 | 11° 5 | 28°23 | 18°34 | 27°13 | 3°22 | 6°55 | 28°45 | 26°51 | 24°56 | 21°16 | F 8 |
| S 9 | 23 33 19 | 21°22'04 | 25°29 | 28°55 | 6°30 | 11°34 | 28°27 | 18°41 | 27°15 | 3°24 | 6°58 | 28°41 | 26°48 | 25° 3 | 21°15 | S 9 |
| S 10 | 23 37 15 | 22°21'05 | 7♓47 | 27°52 | 7°36 | 12° 3 | 28°31 | 18°48 | 27°17 | 3°26 | 7° 0 | 28°35 | 26°45 | 25° 9 | 21°14 | S 10 |
| M11 | 23 41 12 | 23°20'08 | 19°57 | 26°45 | 8°41 | 12°33 | 28°35 | 18°55 | 27°19 | 3°27 | 7° 2 | 28°27 | 26°42 | 25°16 | 21°13 | M11 |
| T 12 | 23 45 8 | 24°19'13 | 2♈ 0 | 25°36 | 9°47 | 13° 3 | 28°39 | 19° 1 | 27°21 | 3°29 | 7° 4 | 28°17 | 26°39 | 25°23 | 21°12 | T 12 |
| W13 | 23 49 5 | 25°18'20 | 13°58 | 24°27 | 10°53 | 13°33 | 28°44 | 19° 8 | 27°24 | 3°31 | 7° 6 | 28° 6 | 26°36 | 25°30 | 21°11 | W13 |
| T 14 | 23 53 1 | 26°17'29 | 25°52 | 23°19 | 11°59 | 14° 4 | 28°48 | 19°15 | 27°26 | 3°33 | 7° 8 | 27°55 | 26°32 | 25°36 | 21°11 | T 14 |
| F 15 | 23 56 58 | 27°16'41 | 7♉43 | 22°16 | 13° 5 | 14°35 | 28°53 | 19°21 | 27°28 | 3°35 | 7°10 | 27°45 | 26°29 | 25°43 | 21°10 | F 15 |
| S 16 | 0 0 54 | 28°15'55 | 19°35 | 21°18 | 14°12 | 15° 6 | 28°58 | 19°28 | 27°30 | 3°37 | 7°12 | 27°36 | 26°26 | 25°50 | 21°10 | S 16 |
| S 17 | 0 4 51 | 29°15'11 | 1♊30 | 20°26 | 15°19 | 15°38 | 29° 4 | 19°34 | 27°33 | 3°39 | 7°14 | 27°30 | 26°23 | 25°56 | 21° 9 | S 17 |
| M18 | 0 8 48 | 0♎14'30 | 13°32 | 19°44 | 16°26 | 16°10 | 29° 9 | 19°41 | 27°35 | 3°41 | 7°16 | 27°26 | 26°20 | 26° 3 | 21° 9 | M18 |
| T 19 | 0 12 44 | 1°13'51 | 25°46 | 19°11 | 17°33 | 16°42 | 29°14 | 19°47 | 27°37 | 3°43 | 7°18 | 27°25 | 26°16 | 26°10 | 21° 8 | T 19 |
| W20 | 0 16 41 | 2°13'14 | 8♋17 | 18°48 | 18°41 | 17°14 | 29°20 | 19°53 | 27°40 | 3°45 | 7°20 | 27°D25 | 26°13 | 26°17 | 21° 8 | W20 |
| T 21 | 0 20 37 | 3°12'40 | 21° 9 | 18°36 | 19°49 | 17°47 | 29°26 | 20° 0 | 27°42 | 3°47 | 7°22 | 27°R25 | 26°10 | 26°23 | 21° 8 | T 21 |
| F 22 | 0 24 34 | 4°12'08 | 4♌27 | 18°D36 | 20°57 | 18°20 | 29°32 | 20° 6 | 27°45 | 3°49 | 7°24 | 27°25 | 26° 7 | 26°30 | 21° 7 | F 22 |
| S 23 | 0 28 30 | 5°11'39 | 18°13 | 18°45 | 22° 5 | 18°53 | 29°38 | 20°12 | 27°47 | 3°51 | 7°26 | 27°23 | 26° 4 | 26°37 | 21° 7 | S 23 |
| S 24 | 0 32 27 | 6°11'11 | 2♍29 | 19° 6 | 23°13 | 19°27 | 29°45 | 20°18 | 27°50 | 3°53 | 7°28 | 27°19 | 26° 1 | 26°44 | 21°D 7 | S 24 |
| M25 | 0 36 23 | 7°10'46 | 17°12 | 19°36 | 24°22 | 20° 1 | 29°51 | 20°24 | 27°52 | 3°55 | 7°30 | 27°13 | 25°57 | 26°50 | 21° 7 | M25 |
| T 26 | 0 40 20 | 8°10'23 | 2♎16 | 20°16 | 25°30 | 20°35 | 29°58 | 20°30 | 27°55 | 3°57 | 7°32 | 27° 3 | 25°54 | 26°57 | 21° 7 | T 26 |
| W27 | 0 44 17 | 9°10'03 | 17°31 | 21° 4 | 26°39 | 21° 9 | 0♑ 5 | 20°36 | 27°58 | 3°59 | 7°34 | 26°53 | 25°51 | 27° 4 | 21° 8 | W27 |
| T 28 | 0 48 13 | 10° 9'44 | 2♏48 | 22° 0 | 27°48 | 21°43 | 0°12 | 20°42 | 28° 0 | 4° 1 | 7°36 | 26°42 | 25°48 | 27°10 | 21° 8 | T 28 |
| F 29 | 0 52 10 | 11° 9'27 | 17°54 | 23° 3 | 28°58 | 22°18 | 0°19 | 20°48 | 28° 3 | 4° 3 | 7°38 | 26°33 | 25°45 | 27°17 | 21° 8 | F 29 |
| S 30 | 0 56 6 | 12♎ 9'12 | 2♐40 | 24♍12 | 0♍ 7 | 22♑53 | 0♑26 | 20♌53 | 28♏ 6 | 4♏ 5 | 7♍40 | 26♋25 | 25♋41 | 27♈24 | 21♑ 9 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n31 | 9s38 | 5n 4 | 5s 2 | 3s53 | 19n 5 | 1s38 | 27s24 | 4s 5 | 23s47 | 0s13 | 16n42 | 1n10 | 19s29 | 0n 7 | 10s56 | 1n49 | 22n33 | 14n33 | 20n31 | 20n50 | 4n38 | 15s27 | 6n29 |
| S 2 | 6 8 | 14 6 | 4 41 | 4 59 | 3 54 | 18 58 | 1 32 | 27 20 | 4 2 | 23 47 | 0 14 | 16 40 | 1 10 | 19 29 | 0 7 | 10 56 | 1 49 | 22 32 | 14 33 | 20 31 | 20 50 | 4 41 | 15 27 | 6 29 |
| S 3 | 5 45 | 17 39 | 4 2 | 4 51 | 3 54 | 18 49 | 1 27 | 27 16 | 4 0 | 23 47 | 0 14 | 16 38 | 1 10 | 19 30 | 0 7 | 10 57 | 1 49 | 22 31 | 14 33 | 20 32 | 20 51 | 4 43 | 15 28 | 6 29 |
| M 4 | 5 22 | 20 7 | 3 9 | 4 40 | 3 52 | 18 41 | 1 22 | 27 11 | 3 57 | 23 47 | 0 14 | 16 36 | 1 10 | 19 30 | 0 7 | 10 57 | 1 49 | 22 31 | 14 33 | 20 32 | 20 52 | 4 45 | 15 28 | 6 28 |
| T 5 | 4 59 | 21 22 | 2 7 | 4 24 | 3 49 | 18 32 | 1 17 | 27 7 | 3 54 | 23 47 | 0 14 | 16 34 | 1 10 | 19 31 | 0 7 | 10 58 | 1 49 | 22 30 | 14 33 | 20 32 | 20 52 | 4 48 | 15 29 | 6 28 |
| W 6 | 4 36 | 21 25 | 1 0 | 4 3 | 3 44 | 18 22 | 1 12 | 27 2 | 3 52 | 23 47 | 0 14 | 16 32 | 1 10 | 19 31 | 0 7 | 10 59 | 1 49 | 22 29 | 14 33 | 20 31 | 20 53 | 4 50 | 15 29 | 6 28 |
| T 7 | 4 13 | 20 19 | 0s 9 | 3 38 | 3 37 | 18 12 | 1 6 | 26 57 | 3 49 | 23 48 | 0 14 | 16 30 | 1 11 | 19 32 | 0 7 | 10 59 | 1 49 | 22 29 | 14 34 | 20 31 | 20 53 | 4 53 | 15 30 | 6 27 |
| F 8 | 3 50 | 18 12 | 1 16 | 3 9 | 3 29 | 18 2 | 1 1 | 26 52 | 3 47 | 23 48 | 0 14 | 16 28 | 1 11 | 19 32 | 0 7 | 11 0 | 1 49 | 22 28 | 14 34 | 20 31 | 20 54 | 4 55 | 15 31 | 6 27 |
| S 9 | 3 26 | 15 16 | 2 18 | 2 36 | 3 18 | 17 50 | 0 56 | 26 47 | 3 44 | 23 48 | 0 14 | 16 26 | 1 11 | 19 32 | 0 7 | 11 1 | 1 49 | 22 27 | 14 34 | 20 32 | 20 55 | 4 58 | 15 31 | 6 26 |
| S 10 | 3 3 | 11 41 | 3 13 | 1 59 | 3 5 | 17 39 | 0 51 | 26 42 | 3 42 | 23 48 | 0 14 | 16 24 | 1 11 | 19 33 | 0 7 | 11 1 | 1 49 | 22 27 | 14 34 | 20 33 | 20 55 | 5 0 | 15 32 | 6 26 |
| M11 | 2 40 | 7 39 | 3 59 | 1 19 | 2 51 | 17 27 | 0 46 | 26 37 | 3 39 | 23 48 | 0 14 | 16 22 | 1 11 | 19 33 | 0 7 | 11 2 | 1 49 | 22 26 | 14 34 | 20 35 | 20 56 | 5 2 | 15 32 | 6 26 |
| T 12 | 2 16 | 3 22 | 4 33 | 0 36 | 2 35 | 17 14 | 0 41 | 26 31 | 3 37 | 23 48 | 0 14 | 16 20 | 1 11 | 19 34 | 0 7 | 11 3 | 1 49 | 22 25 | 14 34 | 20 37 | 20 56 | 5 5 | 15 33 | 6 25 |
| W13 | 1 53 | 1n 1 | 4 55 | 0n 7 | 2 17 | 17 1 | 0 36 | 26 26 | 3 34 | 23 48 | 0 14 | 16 18 | 1 11 | 19 34 | 0 7 | 11 3 | 1 49 | 22 25 | 14 35 | 20 39 | 20 57 | 5 7 | 15 33 | 6 25 |
| T 14 | 1 29 | 5 20 | 5 4 | 0 51 | 1 58 | 16 47 | 0 32 | 26 20 | 3 32 | 23 48 | 0 15 | 16 16 | 1 12 | 19 35 | 0 7 | 11 4 | 1 49 | 22 24 | 14 35 | 20 42 | 20 58 | 5 10 | 15 34 | 6 24 |
| F 15 | 1 5 | 9 26 | 4 59 | 1 35 | 1 38 | 16 33 | 0 27 | 26 14 | 3 29 | 23 49 | 0 15 | 16 14 | 1 12 | 19 35 | 0 7 | 11 5 | 1 49 | 22 23 | 14 35 | 20 44 | 20 58 | 5 12 | 15 34 | 6 24 |
| S 16 | 0 42 | 13 12 | 4 42 | 2 16 | 1 18 | 16 18 | 0 22 | 26 8 | 3 27 | 23 49 | 0 15 | 16 12 | 1 12 | 19 36 | 0 7 | 11 5 | 1 49 | 22 23 | 14 35 | 20 45 | 20 59 | 5 14 | 15 35 | 6 24 |
| S 17 | 0 18 | 16 27 | 4 13 | 2 55 | 0 58 | 16 3 | 0 18 | 26 2 | 3 24 | 23 49 | 0 15 | 16 10 | 1 12 | 19 37 | 0 7 | 11 6 | 1 49 | 22 22 | 14 35 | 20 46 | 21 0 | 5 17 | 15 35 | 6 23 |
| M18 | 0s 6 | 19 3 | 3 31 | 3 31 | 0 37 | 15 47 | 0 13 | 25 56 | 3 22 | 23 49 | 0 15 | 16 8 | 1 12 | 19 37 | 0 7 | 11 7 | 1 49 | 22 22 | 14 36 | 20 47 | 21 0 | 5 19 | 15 36 | 6 23 |
| T 19 | 0 30 | 20 50 | 2 40 | 4 2 | 0 18 | 15 31 | 0 8 | 25 49 | 3 20 | 23 49 | 0 15 | 16 6 | 1 12 | 19 38 | 0 7 | 11 7 | 1 49 | 22 21 | 14 36 | 20 48 | 21 1 | 5 22 | 15 36 | 6 22 |
| W20 | 0 53 | 21 39 | 1 40 | 4 28 | 0n 1 | 15 15 | 0 4 | 25 43 | 3 17 | 23 49 | 0 15 | 16 5 | 1 12 | 19 38 | 0 7 | 11 8 | 1 49 | 22 21 | 14 36 | 20 48 | 21 1 | 5 24 | 15 37 | 6 22 |
| T 21 | 1 17 | 21 21 | 0 33 | 4 49 | 0 19 | 14 58 | 0n 0 | 25 36 | 3 15 | 23 49 | 0 15 | 16 3 | 1 13 | 19 39 | 0 7 | 11 9 | 1 48 | 22 20 | 14 36 | 20 47 | 21 2 | 5 26 | 15 37 | 6 21 |
| F 22 | 1 41 | 19 52 | 0n37 | 5 5 | 0 36 | 14 40 | 0 5 | 25 29 | 3 12 | 23 49 | 0 15 | 16 1 | 1 13 | 19 39 | 0 7 | 11 9 | 1 48 | 22 19 | 14 37 | 20 47 | 21 3 | 5 29 | 15 38 | 6 21 |
| S 23 | 2 4 | 17 10 | 1 48 | 5 15 | 0 51 | 14 22 | 0 9 | 25 22 | 3 10 | 23 49 | 0 15 | 15 59 | 1 13 | 19 40 | 0 7 | 11 10 | 1 48 | 22 19 | 14 37 | 20 48 | 21 3 | 5 31 | 15 38 | 6 21 |
| S 24 | 2 28 | 13 22 | 2 55 | 5 19 | 1 4 | 14 4 | 0 13 | 25 15 | 3 7 | 23 50 | 0 15 | 15 57 | 1 13 | 19 41 | 0 7 | 11 11 | 1 48 | 22 18 | 14 37 | 20 49 | 21 4 | 5 34 | 15 38 | 6 20 |
| M25 | 2 52 | 8 38 | 3 52 | 5 19 | 1 17 | 13 45 | 0 17 | 25 7 | 3 5 | 23 50 | 0 15 | 15 55 | 1 13 | 19 41 | 0 7 | 11 12 | 1 48 | 22 18 | 14 37 | 20 50 | 21 4 | 5 36 | 15 39 | 6 20 |
| T 26 | 3 16 | 3 17 | 4 34 | 5 13 | 1 27 | 13 25 | 0 21 | 25 0 | 3 3 | 23 50 | 0 15 | 15 54 | 1 13 | 19 42 | 0 7 | 11 12 | 1 48 | 22 17 | 14 38 | 20 52 | 21 5 | 5 39 | 15 39 | 6 19 |
| W27 | 3 39 | 2s20 | 4 57 | 5 2 | 1 36 | 13 6 | 0 25 | 24 52 | 3 0 | 23 50 | 0 15 | 15 52 | 1 14 | 19 42 | 0 7 | 11 13 | 1 48 | 22 17 | 14 38 | 20 54 | 21 6 | 5 41 | 15 40 | 6 19 |
| T 28 | 4 3 | 7 49 | 5 0 | 4 47 | 1 44 | 12 45 | 0 29 | 24 44 | 2 58 | 23 50 | 0 16 | 15 50 | 1 14 | 19 43 | 0 7 | 11 14 | 1 48 | 22 16 | 14 38 | 20 56 | 21 6 | 5 43 | 15 40 | 6 18 |
| F 29 | 4 26 | 12 46 | 4 41 | 4 28 | 1 50 | 12 25 | 0 33 | 24 36 | 2 56 | 23 50 | 0 16 | 15 49 | 1 14 | 19 44 | 0 7 | 11 14 | 1 48 | 22 16 | 14 39 | 20 58 | 21 7 | 5 46 | 15 40 | 6 18 |
| S 30 | 4s50 | 16s49 | 4n 4 | 4n 5 | 1n55 | 12n 4 | 0n37 | 24s28 | 2s53 | 23s50 | 0s16 | 15n47 | 1n14 | 19s44 | 0n 7 | 11s15 | 1n48 | 22n16 | 14n39 | 20n59 | 21n 7 | 5n48 | 15s41 | 6n18 |

Julian Day Number = 2077785.5, Delta T = 26m22s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'41, Lahiri = 9°35'41 Julian Calendar 1 Sept. 976 == Greg. Calendar 6 Sept. 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## OCTOBER 976 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 0 3 | 13♎ 8'59 | 17♐ 1 | 25♍26 | 1♍16 | 23♑28 | 0♑33 | 20♌59 | 28♏ 9 | 4♏ 7 | 7♍42 | 26°R21 | 25♋38 | 27♈31 | 21♑ 9 | S 1 |
| M 2 | 1 3 59 | 14° 8'48 | 0♑54 | 26°45 | 2°26 | 24° 4 | 0°41 | 21° 5 | 28°12 | 4° 9 | 7°44 | 26♋18 | 25°35 | 27°37 | 21°10 | M 2 |
| T 3 | 1 7 56 | 15° 8'38 | 14°21 | 28° 7 | 3°36 | 24°39 | 0°49 | 21°10 | 28°15 | 4°12 | 7°46 | 26°D18 | 25°32 | 27°44 | 21°10 | T 3 |
| W 4 | 1 11 52 | 16° 8'31 | 27°24 | 29°33 | 4°46 | 25°15 | 0°57 | 21°16 | 28°18 | 4°14 | 7°47 | 26°R18 | 25°29 | 27°51 | 21°11 | W 4 |
| T 5 | 1 15 49 | 17° 8'24 | 10♒ 7 | 1♎ 2 | 5°56 | 25°51 | 1° 5 | 21°21 | 28°21 | 4°16 | 7°49 | 26°17 | 25°26 | 27°57 | 21°12 | T 5 |
| F 6 | 1 19 46 | 18° 8'20 | 22°34 | 2°33 | 7° 6 | 26°28 | 1°13 | 21°26 | 28°24 | 4°18 | 7°51 | 26°15 | 25°22 | 28° 4 | 21°13 | F 6 |
| S 7 | 1 23 42 | 19° 8'17 | 4♓49 | 4° 6 | 8°17 | 27° 4 | 1°21 | 21°31 | 28°27 | 4°20 | 7°53 | 26°10 | 25°19 | 28°11 | 21°13 | S 7 |
| S 8 | 1 27 39 | 20° 8'16 | 16°56 | 5°41 | 9°27 | 27°40 | 1°29 | 21°37 | 28°30 | 4°22 | 7°54 | 26° 2 | 25°16 | 28°18 | 21°14 | S 8 |
| M 9 | 1 31 35 | 21° 8'17 | 28°56 | 7°16 | 10°38 | 28°17 | 1°38 | 21°42 | 28°33 | 4°25 | 7°56 | 25°51 | 25°13 | 28°24 | 21°15 | M 9 |
| T 10 | 1 35 32 | 22° 8'19 | 10♈52 | 8°53 | 11°49 | 28°54 | 1°47 | 21°47 | 28°36 | 4°27 | 7°58 | 25°38 | 25°10 | 28°31 | 21°16 | T 10 |
| W11 | 1 39 28 | 23° 8'24 | 22°46 | 10°30 | 13° 0 | 29°31 | 1°55 | 21°52 | 28°39 | 4°29 | 8° 0 | 25°23 | 25° 7 | 28°38 | 21°18 | W11 |
| T 12 | 1 43 25 | 24° 8'30 | 4♉39 | 12° 8 | 14°11 | 0♒ 8 | 2° 4 | 21°56 | 28°42 | 4°31 | 8° 1 | 25° 8 | 25° 3 | 28°45 | 21°19 | T 12 |
| F 13 | 1 47 21 | 25° 8'38 | 16°31 | 13°46 | 15°22 | 0°46 | 2°13 | 22° 1 | 28°45 | 4°34 | 8° 3 | 24°54 | 25° 0 | 28°51 | 21°20 | F 13 |
| S 14 | 1 51 18 | 26° 8'49 | 28°26 | 15°25 | 16°33 | 1°23 | 2°23 | 22° 6 | 28°49 | 4°36 | 8° 4 | 24°42 | 24°57 | 28°58 | 21°22 | S 14 |
| S 15 | 1 55 14 | 27° 9'01 | 10♊24 | 17° 3 | 17°45 | 2° 1 | 2°32 | 22°10 | 28°52 | 4°38 | 8° 6 | 24°33 | 24°54 | 29° 5 | 21°23 | S 15 |
| M16 | 1 59 11 | 28° 9'15 | 22°28 | 18°41 | 18°56 | 2°39 | 2°41 | 22°15 | 28°55 | 4°40 | 8° 8 | 24°27 | 24°51 | 29°11 | 21°25 | M16 |
| T 17 | 2 3 8 | 29° 9'32 | 4♋42 | 20°20 | 20° 8 | 3°17 | 2°51 | 22°19 | 28°58 | 4°42 | 8° 9 | 24°24 | 24°47 | 29°18 | 21°26 | T 17 |
| W18 | 2 7 4 | 0♏ 9'50 | 17°11 | 21°58 | 21°20 | 3°55 | 3° 1 | 22°24 | 29° 2 | 4°45 | 8°11 | 24°23 | 24°44 | 29°25 | 21°28 | W18 |
| T 19 | 2 11 1 | 1°10'11 | 29°58 | 23°36 | 22°31 | 4°33 | 3°10 | 22°28 | 29° 5 | 4°47 | 8°12 | 24°23 | 24°41 | 29°32 | 21°29 | T 19 |
| F 20 | 2 14 57 | 2°10'33 | 13♌ 7 | 25°14 | 23°43 | 5°11 | 3°20 | 22°32 | 29° 8 | 4°49 | 8°14 | 24°23 | 24°38 | 29°38 | 21°31 | F 20 |
| S 21 | 2 18 54 | 3°10'58 | 26°44 | 26°52 | 24°56 | 5°49 | 3°30 | 22°36 | 29°12 | 4°51 | 8°15 | 24°21 | 24°35 | 29°45 | 21°33 | S 21 |
| S 22 | 2 22 50 | 4°11'24 | 10♍50 | 28°29 | 26° 8 | 6°28 | 3°41 | 22°40 | 29°15 | 4°54 | 8°16 | 24°17 | 24°32 | 29°52 | 21°35 | S 22 |
| M23 | 2 26 47 | 5°11'53 | 25°24 | 0♏ 7 | 27°20 | 7° 7 | 3°51 | 22°44 | 29°19 | 4°56 | 8°18 | 24°10 | 24°28 | 29°59 | 21°37 | M23 |
| T 24 | 2 30 43 | 6°12'23 | 10♎23 | 1°43 | 28°32 | 7°45 | 4° 1 | 22°48 | 29°22 | 4°58 | 8°19 | 24° 1 | 24°25 | 0♉ 5 | 21°39 | T 24 |
| W25 | 2 34 40 | 7°12'55 | 25°38 | 3°20 | 29°45 | 8°24 | 4°12 | 22°52 | 29°25 | 5° 0 | 8°20 | 23°50 | 24°22 | 0°12 | 21°41 | W25 |
| T 26 | 2 38 37 | 8°13'29 | 10♏59 | 4°57 | 0♎58 | 9° 3 | 4°22 | 22°55 | 29°29 | 5° 3 | 8°22 | 23°39 | 24°19 | 0°19 | 21°43 | T 26 |
| F 27 | 2 42 33 | 9°14'04 | 26°14 | 6°33 | 2°10 | 9°43 | 4°33 | 22°59 | 29°32 | 5° 5 | 8°23 | 23°28 | 24°16 | 0°25 | 21°45 | F 27 |
| S 28 | 2 46 30 | 10°14'41 | 11♐13 | 8° 9 | 3°23 | 10°22 | 4°44 | 23° 2 | 29°36 | 5° 7 | 8°24 | 23°20 | 24°12 | 0°32 | 21°48 | S 28 |
| S 29 | 2 50 26 | 11°15'20 | 25°46 | 9°44 | 4°36 | 11° 1 | 4°55 | 23° 6 | 29°39 | 5° 9 | 8°26 | 23°15 | 24° 9 | 0°39 | 21°50 | S 29 |
| M30 | 2 54 23 | 12°15'59 | 9♑51 | 11°20 | 5°49 | 11°41 | 5° 6 | 23° 9 | 29°43 | 5°12 | 8°27 | 23°12 | 24° 6 | 0°46 | 21°53 | M30 |
| T 31 | 2 58 19 | 13♏16'40 | 23♑27 | 12♏55 | 7♎ 2 | 12♒20 | 5♑17 | 23♌12 | 29♏47 | 5♏14 | 8♍28 | 23°D12 | 24♋ 3 | 0♉52 | 21♑55 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s13 | 19s45 | 3n12 | 3n39 | 1n59 | 11n43 | 0n40 | 24s20 | 2s51 | 23s50 | 0s16 | 15n45 | 1n14 | 19s45 | 0n 7 | 11s16 | 1n48 | 22n15 | 14n39 | 21n 0 | 21n 8 | 5n51 | 15s41 | 6n17 |
| M 2 | 5 37 | 21 24 | 2 10 | 3 10 | 2 2 | 11 21 | 0 44 | 24 11 | 2 49 | 23 50 | 0 16 | 15 44 | 1 15 | 19 46 | 0 7 | 11 17 | 1 48 | 22 15 | 14 40 | 21 0 | 21 8 | 5 53 | 15 41 | 6 17 |
| T 3 | 6 0 | 21 45 | 1 3 | 2 38 | 2 3 | 10 59 | 0 47 | 24 2 | 2 47 | 23 50 | 0 16 | 15 42 | 1 15 | 19 46 | 0 7 | 11 17 | 1 48 | 22 14 | 14 40 | 21 0 | 21 9 | 5 55 | 15 42 | 6 16 |
| W 4 | 6 23 | 20 53 | 0s 6 | 2 4 | 2 4 | 10 36 | 0 51 | 23 54 | 2 44 | 23 50 | 0 16 | 15 40 | 1 15 | 19 47 | 0 7 | 11 18 | 1 48 | 22 14 | 14 40 | 21 0 | 21 10 | 5 58 | 15 42 | 6 16 |
| T 5 | 6 46 | 18 58 | 1 12 | 1 29 | 2 4 | 10 13 | 0 54 | 23 45 | 2 42 | 23 50 | 0 16 | 15 39 | 1 15 | 19 48 | 0 7 | 11 19 | 1 48 | 22 14 | 14 41 | 21 1 | 21 10 | 6 0 | 15 42 | 6 15 |
| F 6 | 7 9 | 16 11 | 2 14 | 0 51 | 2 3 | 9 50 | 0 57 | 23 35 | 2 40 | 23 50 | 0 16 | 15 37 | 1 15 | 19 48 | 0 7 | 11 20 | 1 48 | 22 13 | 14 41 | 21 1 | 21 11 | 6 3 | 15 43 | 6 15 |
| S 7 | 7 32 | 12 43 | 3 8 | 0 13 | 2 1 | 9 27 | 1 1 | 23 26 | 2 38 | 23 50 | 0 16 | 15 36 | 1 15 | 19 49 | 0 7 | 11 20 | 1 48 | 22 13 | 14 41 | 21 2 | 21 11 | 6 5 | 15 43 | 6 15 |
| S 8 | 7 55 | 8 46 | 3 53 | 0s27 | 1 59 | 9 3 | 1 4 | 23 17 | 2 35 | 23 50 | 0 16 | 15 34 | 1 16 | 19 50 | 0 7 | 11 21 | 1 48 | 22 12 | 14 42 | 21 3 | 21 12 | 6 7 | 15 43 | 6 14 |
| M 9 | 8 17 | 4 31 | 4 27 | 1 8 | 1 56 | 8 39 | 1 7 | 23 7 | 2 33 | 23 50 | 0 16 | 15 33 | 1 16 | 19 50 | 0 7 | 11 22 | 1 48 | 22 12 | 14 42 | 21 6 | 21 13 | 6 10 | 15 44 | 6 14 |
| T 10 | 8 40 | 0 7 | 4 49 | 1 49 | 1 52 | 8 14 | 1 10 | 22 57 | 2 31 | 23 50 | 0 16 | 15 31 | 1 16 | 19 51 | 0 6 | 11 23 | 1 48 | 22 12 | 14 42 | 21 8 | 21 13 | 6 12 | 15 44 | 6 13 |
| W11 | 9 2 | 4n17 | 4 59 | 2 31 | 1 48 | 7 50 | 1 12 | 22 47 | 2 29 | 23 50 | 0 16 | 15 30 | 1 16 | 19 52 | 0 6 | 11 23 | 1 48 | 22 12 | 14 43 | 21 11 | 21 14 | 6 15 | 15 44 | 6 13 |
| T 12 | 9 25 | 8 30 | 4 55 | 3 14 | 1 44 | 7 25 | 1 15 | 22 37 | 2 27 | 23 50 | 0 17 | 15 28 | 1 16 | 19 52 | 0 6 | 11 24 | 1 48 | 22 11 | 14 43 | 21 13 | 21 14 | 6 17 | 15 44 | 6 12 |
| F 13 | 9 47 | 12 25 | 4 39 | 3 56 | 1 39 | 7 0 | 1 18 | 22 27 | 2 25 | 23 50 | 0 17 | 15 27 | 1 17 | 19 53 | 0 6 | 11 25 | 1 48 | 22 11 | 14 43 | 21 16 | 21 15 | 6 20 | 15 45 | 6 12 |
| S 14 | 10 9 | 15 51 | 4 10 | 4 39 | 1 34 | 6 34 | 1 20 | 22 16 | 2 22 | 23 50 | 0 17 | 15 26 | 1 17 | 19 54 | 0 6 | 11 26 | 1 48 | 22 11 | 14 44 | 21 18 | 21 15 | 6 22 | 15 45 | 6 12 |
| S 15 | 10 31 | 18 40 | 3 30 | 5 22 | 1 29 | 6 8 | 1 23 | 22 6 | 2 20 | 23 50 | 0 17 | 15 24 | 1 17 | 19 55 | 0 6 | 11 26 | 1 48 | 22 10 | 14 44 | 21 20 | 21 16 | 6 24 | 15 45 | 6 11 |
| M16 | 10 53 | 20 42 | 2 40 | 6 5 | 1 23 | 5 42 | 1 25 | 21 55 | 2 18 | 23 49 | 0 17 | 15 23 | 1 17 | 19 55 | 0 6 | 11 27 | 1 48 | 22 10 | 14 45 | 21 21 | 21 17 | 6 27 | 15 45 | 6 11 |
| T 17 | 11 14 | 21 47 | 1 42 | 6 47 | 1 17 | 5 16 | 1 27 | 21 44 | 2 16 | 23 49 | 0 17 | 15 22 | 1 17 | 19 56 | 0 6 | 11 28 | 1 48 | 22 10 | 14 45 | 21 21 | 21 17 | 6 29 | 15 45 | 6 10 |
| W18 | 11 35 | 21 50 | 0 38 | 7 30 | 1 11 | 4 50 | 1 29 | 21 33 | 2 14 | 23 49 | 0 17 | 15 21 | 1 18 | 19 57 | 0 6 | 11 29 | 1 48 | 22 10 | 14 45 | 21 22 | 21 18 | 6 32 | 15 45 | 6 10 |
| T 19 | 11 57 | 20 45 | 0n29 | 8 12 | 1 5 | 4 23 | 1 31 | 21 22 | 2 12 | 23 49 | 0 17 | 15 19 | 1 18 | 19 58 | 0 6 | 11 29 | 1 48 | 22 10 | 14 46 | 21 22 | 21 18 | 6 34 | 15 46 | 6 9 |
| F 20 | 12 18 | 18 31 | 1 37 | 8 54 | 0 59 | 3 56 | 1 33 | 21 11 | 2 10 | 23 49 | 0 17 | 15 18 | 1 18 | 19 58 | 0 6 | 11 30 | 1 48 | 22 9 | 14 46 | 21 22 | 21 19 | 6 36 | 15 46 | 6 9 |
| S 21 | 12 39 | 15 12 | 2 42 | 9 36 | 0 53 | 3 29 | 1 35 | 20 59 | 2 8 | 23 49 | 0 17 | 15 17 | 1 18 | 19 59 | 0 6 | 11 31 | 1 48 | 22 9 | 14 47 | 21 22 | 21 19 | 6 39 | 15 46 | 6 9 |
| S 22 | 12 59 | 10 55 | 3 39 | 10 17 | 0 46 | 3 2 | 1 37 | 20 47 | 2 6 | 23 48 | 0 17 | 15 16 | 1 18 | 20 0 | 0 6 | 11 32 | 1 48 | 22 9 | 14 47 | 21 23 | 21 20 | 6 41 | 15 46 | 6 8 |
| M23 | 13 20 | 5 52 | 4 24 | 10 57 | 0 40 | 2 35 | 1 39 | 20 36 | 2 4 | 23 48 | 0 17 | 15 15 | 1 19 | 20 1 | 0 6 | 11 32 | 1 48 | 22 9 | 14 48 | 21 24 | 21 21 | 6 44 | 15 46 | 6 8 |
| T 24 | 13 40 | 0 21 | 4 52 | 11 37 | 0 33 | 2 7 | 1 40 | 20 24 | 2 2 | 23 48 | 0 17 | 15 14 | 1 19 | 20 1 | 0 6 | 11 33 | 1 48 | 22 9 | 14 48 | 21 25 | 21 21 | 6 46 | 15 46 | 6 7 |
| W25 | 14 0 | 5s18 | 5 1 | 12 17 | 0 26 | 1 39 | 1 42 | 20 11 | 2 0 | 23 48 | 0 17 | 15 13 | 1 19 | 20 2 | 0 6 | 11 34 | 1 48 | 22 9 | 14 49 | 21 27 | 21 22 | 6 49 | 15 46 | 6 7 |
| T 26 | 14 20 | 10 39 | 4 47 | 12 56 | 0 20 | 1 12 | 1 43 | 19 59 | 1 58 | 23 47 | 0 17 | 15 12 | 1 19 | 20 3 | 0 6 | 11 35 | 1 48 | 22 9 | 14 49 | 21 29 | 21 22 | 6 51 | 15 46 | 6 7 |
| F 27 | 14 39 | 15 18 | 4 14 | 13 34 | 0 13 | 0 44 | 1 45 | 19 47 | 1 56 | 23 47 | 0 18 | 15 11 | 1 19 | 20 4 | 0 6 | 11 35 | 1 48 | 22 9 | 14 49 | 21 31 | 21 23 | 6 53 | 15 46 | 6 6 |
| S 28 | 14 58 | 18 54 | 3 23 | 14 12 | 0 6 | 0 16 | 1 46 | 19 34 | 1 54 | 23 47 | 0 18 | 15 10 | 1 20 | 20 4 | 0 6 | 11 36 | 1 48 | 22 8 | 14 50 | 21 32 | 21 23 | 6 56 | 15 46 | 6 6 |
| S 29 | 15 17 | 21 10 | 2 20 | 14 49 | 0s 1 | 0s12 | 1 47 | 19 21 | 1 52 | 23 46 | 0 18 | 15 9 | 1 20 | 20 5 | 0 6 | 11 37 | 1 48 | 22 8 | 14 50 | 21 33 | 21 24 | 6 58 | 15 46 | 6 5 |
| M30 | 15 36 | 22 2 | 1 10 | 15 25 | 0 7 | 0 40 | 1 48 | 19 9 | 1 50 | 23 46 | 0 18 | 15 8 | 1 20 | 20 6 | 0 6 | 11 38 | 1 48 | 22 8 | 14 51 | 21 34 | 21 25 | 7 1 | 15 46 | 6 5 |
| T 31 | 15s55 | 21s33 | 0s 1 | 16s 1 | 0s14 | 1s 8 | 1n49 | 18s56 | 1s48 | 23s46 | 0s18 | 15n 7 | 1n20 | 20s 7 | 0n 6 | 11s38 | 1n48 | 22n 8 | 14n51 | 21n34 | 21n25 | 7n 3 | 15s46 | 6n 5 |

Julian Day Number = 2077815.5, Delta T = 26m22s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'45, Lahiri = 9°35'46 Julian Calendar 1 Oct. 976 == Greg. Calendar 6 Oct. 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## NOVEMBER 976 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 2 16 | 14♏17'22 | 6♒35 | 14♏30 | 8♎15 | 13♒ 0 | 5♑28 | 23♌15 | 29♏50 | 5♏16 | 8♍29 | 23♋12 | 24♋ 0 | 0♉59 | 21♑58 | W 1 |
| T 2 | 3 6 12 | 15°18'05 | 19°19 | 16° 4 | 9°28 | 13°39 | 5°39 | 23°18 | 29°54 | 5°18 | 8°30 | 23°R12 | 23°57 | 1° 6 | 22° 0 | T 2 |
| F 3 | 3 10 9 | 16°18'49 | 1♓44 | 17°39 | 10°41 | 14°19 | 5°51 | 23°21 | 29°57 | 5°21 | 8°31 | 23°11 | 23°53 | 1°12 | 22° 3 | F 3 |
| S 4 | 3 14 6 | 17°19'35 | 13°55 | 19°13 | 11°54 | 14°59 | 6° 2 | 23°24 | 0♐ 1 | 5°23 | 8°32 | 23° 7 | 23°50 | 1°19 | 22° 6 | S 4 |
| S 5 | 3 18 2 | 18°20'21 | 25°56 | 20°48 | 13° 7 | 15°39 | 6°14 | 23°26 | 0° 4 | 5°25 | 8°33 | 23° 1 | 23°47 | 1°26 | 22° 8 | S 5 |
| M 6 | 3 21 59 | 19°21'08 | 7♈51 | 22°22 | 14°21 | 16°19 | 6°25 | 23°29 | 0° 8 | 5°27 | 8°34 | 22°52 | 23°44 | 1°33 | 22°11 | M 6 |
| T 7 | 3 25 55 | 20°21'57 | 19°44 | 23°56 | 15°34 | 16°59 | 6°37 | 23°31 | 0°12 | 5°29 | 8°35 | 22°42 | 23°41 | 1°39 | 22°14 | T 7 |
| W 8 | 3 29 52 | 21°22'47 | 1♉36 | 25°30 | 16°48 | 17°39 | 6°49 | 23°34 | 0°15 | 5°32 | 8°36 | 22°29 | 23°38 | 1°46 | 22°17 | W 8 |
| T 9 | 3 33 48 | 22°23'38 | 13°29 | 27° 3 | 18° 1 | 18°20 | 7° 1 | 23°36 | 0°19 | 5°34 | 8°37 | 22°17 | 23°34 | 1°53 | 22°20 | T 9 |
| F 10 | 3 37 45 | 23°24'30 | 25°26 | 28°37 | 19°15 | 19° 0 | 7°13 | 23°38 | 0°23 | 5°36 | 8°38 | 22° 6 | 23°31 | 2° 0 | 22°23 | F 10 |
| S 11 | 3 41 41 | 24°25'23 | 7♊27 | 0♐11 | 20°29 | 19°40 | 7°25 | 23°40 | 0°26 | 5°38 | 8°39 | 21°56 | 23°28 | 2° 6 | 22°26 | S 11 |
| S 12 | 3 45 38 | 25°26'17 | 19°34 | 1°45 | 21°42 | 20°21 | 7°37 | 23°42 | 0°30 | 5°40 | 8°40 | 21°48 | 23°25 | 2°13 | 22°29 | S 12 |
| M13 | 3 49 35 | 26°27'13 | 1♋47 | 3°18 | 22°56 | 21° 1 | 7°49 | 23°44 | 0°34 | 5°43 | 8°40 | 21°44 | 23°22 | 2°20 | 22°32 | M13 |
| T 14 | 3 53 31 | 27°28'10 | 14°10 | 4°52 | 24°10 | 21°42 | 8° 2 | 23°46 | 0°37 | 5°45 | 8°41 | 21°41 | 23°18 | 2°26 | 22°36 | T 14 |
| W15 | 3 57 28 | 28°29'08 | 26°45 | 6°25 | 25°24 | 22°22 | 8°14 | 23°47 | 0°41 | 5°47 | 8°42 | 21°D41 | 23°15 | 2°33 | 22°39 | W15 |
| T 16 | 4 1 24 | 29°30'08 | 9♌35 | 7°59 | 26°38 | 23° 3 | 8°26 | 23°49 | 0°45 | 5°49 | 8°43 | 21°42 | 23°12 | 2°40 | 22°42 | T 16 |
| F 17 | 4 5 21 | 0♐31'08 | 22°44 | 9°32 | 27°52 | 23°43 | 8°39 | 23°50 | 0°48 | 5°51 | 8°43 | 21°43 | 23° 9 | 2°47 | 22°46 | F 17 |
| S 18 | 4 9 17 | 1°32'10 | 6♍13 | 11° 6 | 29° 6 | 24°24 | 8°51 | 23°51 | 0°52 | 5°53 | 8°44 | 21°R43 | 23° 6 | 2°53 | 22°49 | S 18 |
| S 19 | 4 13 14 | 2°33'13 | 20° 7 | 12°39 | 0♏20 | 25° 5 | 9° 4 | 23°53 | 0°56 | 5°55 | 8°44 | 21°42 | 23° 3 | 3° 0 | 22°53 | S 19 |
| M20 | 4 17 10 | 3°34'17 | 4♎25 | 14°13 | 1°34 | 25°46 | 9°17 | 23°54 | 0°59 | 5°57 | 8°45 | 21°38 | 22°59 | 3° 7 | 22°56 | M20 |
| T 21 | 4 21 7 | 4°35'22 | 19° 4 | 15°46 | 2°48 | 26°27 | 9°30 | 23°55 | 1° 3 | 5°59 | 8°45 | 21°33 | 22°56 | 3°13 | 23° 0 | T 21 |
| W22 | 4 25 4 | 5°36'28 | 4♏ 1 | 17°20 | 4° 3 | 27° 7 | 9°42 | 23°55 | 1° 7 | 6° 1 | 8°46 | 21°26 | 22°53 | 3°20 | 23° 4 | W22 |
| T 23 | 4 29 0 | 6°37'36 | 19° 7 | 18°53 | 5°17 | 27°48 | 9°55 | 23°56 | 1°10 | 6° 3 | 8°46 | 21°19 | 22°50 | 3°27 | 23° 7 | T 23 |
| F 24 | 4 32 57 | 7°38'44 | 4♐12 | 20°26 | 6°31 | 28°29 | 10° 8 | 23°57 | 1°14 | 6° 5 | 8°47 | 21°12 | 22°47 | 3°34 | 23°11 | F 24 |
| S 25 | 4 36 53 | 8°39'53 | 19° 7 | 21°59 | 7°46 | 29°10 | 10°21 | 23°57 | 1°18 | 6° 7 | 8°47 | 21° 6 | 22°44 | 3°40 | 23°15 | S 25 |
| S 26 | 4 40 50 | 9°41'02 | 3♑43 | 23°31 | 9° 0 | 29°51 | 10°35 | 23°58 | 1°21 | 6° 9 | 8°47 | 21° 3 | 22°40 | 3°47 | 23°19 | S 26 |
| M27 | 4 44 46 | 10°42'12 | 17°54 | 25° 4 | 10°14 | 0♓33 | 10°48 | 23°58 | 1°25 | 6°11 | 8°48 | 21°D 2 | 22°37 | 3°54 | 23°22 | M27 |
| T 28 | 4 48 43 | 11°43'22 | 1♒38 | 26°36 | 11°29 | 1°14 | 11° 1 | 23°58 | 1°29 | 6°13 | 8°48 | 21° 2 | 22°34 | 4° 1 | 23°26 | T 28 |
| W29 | 4 52 40 | 12°44'33 | 14°54 | 28° 7 | 12°43 | 1°55 | 11°14 | 23°R58 | 1°32 | 6°15 | 8°48 | 21° 4 | 22°31 | 4° 7 | 23°30 | W29 |
| T 30 | 4 56 36 | 13♐45'43 | 27♒45 | 29♐38 | 13♏58 | 2♓36 | 11♑27 | 23♌58 | 1♐36 | 6♏17 | 8♍49 | 21♋ 5 | 22♋28 | 4♉14 | 23♑34 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s13 | 19s52 | 1s11 | 16s36 | 0s20 | 1s36 | 1n50 | 18s42 | 1s46 | 23s45 | 0s18 | 15n 6 | 1n21 | 20s 7 | 0n 6 | 11s39 | 1n48 | 22n 8 | 14n52 | 21n34 | 21n26 | 7n 5 | 15s46 | 6n 4 |
| T 2 | 16 31 | 17 14 | 2 14 | 17 10 | 0 27 | 2 5 | 1 51 | 18 29 | 1 45 | 23 45 | 0 18 | 15 6 | 1 21 | 20 8 | 0 6 | 11 40 | 1 48 | 22 8 | 14 52 | 21 34 | 21 26 | 7 8 | 15 46 | 6 4 |
| F 3 | 16 48 | 13 52 | 3 10 | 17 43 | 0 33 | 2 33 | 1 51 | 18 16 | 1 43 | 23 44 | 0 18 | 15 5 | 1 21 | 20 9 | 0 6 | 11 41 | 1 48 | 22 8 | 14 53 | 21 34 | 21 27 | 7 10 | 15 46 | 6 4 |
| S 4 | 17 6 | 9 59 | 3 56 | 18 16 | 0 40 | 3 1 | 1 52 | 18 2 | 1 41 | 23 44 | 0 18 | 15 4 | 1 21 | 20 10 | 0 6 | 11 41 | 1 48 | 22 8 | 14 53 | 21 35 | 21 27 | 7 13 | 15 46 | 6 3 |
| S 5 | 17 23 | 5 45 | 4 30 | 18 47 | 0 46 | 3 29 | 1 52 | 17 49 | 1 39 | 23 44 | 0 18 | 15 4 | 1 21 | 20 11 | 0 6 | 11 42 | 1 48 | 22 9 | 14 54 | 21 36 | 21 28 | 7 15 | 15 46 | 6 3 |
| M 6 | 17 40 | 1 21 | 4 53 | 19 18 | 0 52 | 3 57 | 1 53 | 17 35 | 1 37 | 23 43 | 0 18 | 15 3 | 1 22 | 20 11 | 0 6 | 11 43 | 1 48 | 22 9 | 14 54 | 21 37 | 21 28 | 7 18 | 15 46 | 6 3 |
| T 7 | 17 56 | 3n 6 | 5 2 | 19 48 | 0 58 | 4 26 | 1 53 | 17 21 | 1 36 | 23 43 | 0 18 | 15 2 | 1 22 | 20 12 | 0 6 | 11 44 | 1 48 | 22 9 | 14 55 | 21 39 | 21 29 | 7 20 | 15 46 | 6 2 |
| W 8 | 18 12 | 7 25 | 4 59 | 20 16 | 1 4 | 4 54 | 1 53 | 17 7 | 1 34 | 23 42 | 0 18 | 15 2 | 1 22 | 20 13 | 0 6 | 11 44 | 1 48 | 22 9 | 14 55 | 21 41 | 21 29 | 7 22 | 15 46 | 6 2 |
| T 9 | 18 28 | 11 29 | 4 43 | 20 44 | 1 10 | 5 22 | 1 53 | 16 53 | 1 32 | 23 41 | 0 18 | 15 1 | 1 22 | 20 14 | 0 6 | 11 45 | 1 48 | 22 9 | 14 56 | 21 43 | 21 30 | 7 25 | 15 46 | 6 1 |
| F 10 | 18 44 | 15 7 | 4 14 | 21 11 | 1 15 | 5 50 | 1 53 | 16 38 | 1 30 | 23 41 | 0 19 | 15 1 | 1 23 | 20 14 | 0 6 | 11 46 | 1 48 | 22 9 | 14 56 | 21 45 | 21 31 | 7 27 | 15 46 | 6 1 |
| S 11 | 18 59 | 18 10 | 3 34 | 21 37 | 1 21 | 6 18 | 1 53 | 16 24 | 1 28 | 23 40 | 0 19 | 15 0 | 1 23 | 20 15 | 0 6 | 11 46 | 1 48 | 22 9 | 14 57 | 21 46 | 21 31 | 7 30 | 15 45 | 6 1 |
| S 12 | 19 14 | 20 27 | 2 43 | 22 1 | 1 26 | 6 45 | 1 53 | 16 9 | 1 27 | 23 40 | 0 19 | 15 0 | 1 23 | 20 16 | 0 6 | 11 47 | 1 48 | 22 9 | 14 57 | 21 48 | 21 32 | 7 32 | 15 45 | 6 0 |
| M13 | 19 28 | 21 49 | 1 45 | 22 25 | 1 31 | 7 13 | 1 53 | 15 55 | 1 25 | 23 39 | 0 19 | 15 0 | 1 23 | 20 17 | 0 6 | 11 48 | 1 48 | 22 9 | 14 58 | 21 48 | 21 32 | 7 34 | 15 45 | 6 0 |
| T 14 | 19 42 | 22 9 | 0 40 | 22 48 | 1 36 | 7 41 | 1 53 | 15 40 | 1 23 | 23 38 | 0 19 | 14 59 | 1 23 | 20 18 | 0 6 | 11 48 | 1 48 | 22 10 | 14 58 | 21 49 | 21 33 | 7 37 | 15 45 | 6 0 |
| W15 | 19 56 | 21 22 | 0n27 | 23 9 | 1 40 | 8 8 | 1 52 | 15 25 | 1 22 | 23 38 | 0 19 | 14 59 | 1 24 | 20 18 | 0 6 | 11 49 | 1 48 | 22 10 | 14 59 | 21 49 | 21 33 | 7 39 | 15 45 | 6 0 |
| T 16 | 20 9 | 19 28 | 1 35 | 23 29 | 1 45 | 8 35 | 1 52 | 15 10 | 1 20 | 23 37 | 0 19 | 14 59 | 1 24 | 20 19 | 0 6 | 11 50 | 1 48 | 22 10 | 14 59 | 21 49 | 21 34 | 7 42 | 15 44 | 5 59 |
| F 17 | 20 22 | 16 31 | 2 39 | 23 48 | 1 49 | 9 3 | 1 51 | 14 55 | 1 18 | 23 36 | 0 19 | 14 58 | 1 24 | 20 20 | 0 6 | 11 50 | 1 48 | 22 10 | 15 0 | 21 48 | 21 34 | 7 44 | 15 44 | 5 59 |
| S 18 | 20 35 | 12 37 | 3 36 | 24 6 | 1 53 | 9 30 | 1 50 | 14 40 | 1 17 | 23 35 | 0 19 | 14 58 | 1 24 | 20 21 | 0 6 | 11 51 | 1 48 | 22 11 | 15 0 | 21 48 | 21 35 | 7 46 | 15 44 | 5 59 |
| S 19 | 20 47 | 7 57 | 4 23 | 24 22 | 1 57 | 9 56 | 1 50 | 14 24 | 1 15 | 23 35 | 0 19 | 14 58 | 1 25 | 20 21 | 0 6 | 11 52 | 1 48 | 22 11 | 15 1 | 21 49 | 21 35 | 7 49 | 15 44 | 5 58 |
| M20 | 20 59 | 2 44 | 4 54 | 24 37 | 2 0 | 10 23 | 1 49 | 14 9 | 1 13 | 23 34 | 0 19 | 14 58 | 1 25 | 20 22 | 0 6 | 11 52 | 1 48 | 22 11 | 15 1 | 21 49 | 21 36 | 7 51 | 15 43 | 5 58 |
| T 21 | 21 10 | 2s46 | 5 8 | 24 51 | 2 3 | 10 49 | 1 48 | 13 54 | 1 12 | 23 33 | 0 19 | 14 58 | 1 25 | 20 23 | 0 6 | 11 53 | 1 48 | 22 11 | 15 2 | 21 50 | 21 37 | 7 54 | 15 43 | 5 58 |
| W22 | 21 21 | 8 13 | 5 1 | 25 3 | 2 6 | 11 15 | 1 47 | 13 38 | 1 10 | 23 32 | 0 19 | 14 58 | 1 25 | 20 24 | 0 6 | 11 54 | 1 48 | 22 12 | 15 3 | 21 51 | 21 37 | 7 56 | 15 43 | 5 57 |
| T 23 | 21 32 | 13 13 | 4 33 | 25 14 | 2 8 | 11 41 | 1 46 | 13 22 | 1 9 | 23 31 | 0 19 | 14 58 | 1 26 | 20 25 | 0 6 | 11 54 | 1 48 | 22 12 | 15 3 | 21 52 | 21 38 | 7 59 | 15 42 | 5 57 |
| F 24 | 21 42 | 17 24 | 3 46 | 25 23 | 2 10 | 12 7 | 1 45 | 13 7 | 1 7 | 23 30 | 0 19 | 14 58 | 1 26 | 20 25 | 0 6 | 11 55 | 1 49 | 22 12 | 15 4 | 21 53 | 21 38 | 8 1 | 15 42 | 5 57 |
| S 25 | 21 52 | 20 24 | 2 44 | 25 31 | 2 12 | 12 32 | 1 44 | 12 51 | 1 5 | 23 29 | 0 20 | 14 58 | 1 26 | 20 26 | 0 6 | 11 56 | 1 49 | 22 13 | 15 4 | 21 54 | 21 39 | 8 3 | 15 42 | 5 57 |
| S 26 | 22 1 | 21 59 | 1 33 | 25 38 | 2 13 | 12 57 | 1 43 | 12 35 | 1 4 | 23 28 | 0 20 | 14 58 | 1 26 | 20 27 | 0 6 | 11 56 | 1 49 | 22 13 | 15 5 | 21 55 | 21 39 | 8 6 | 15 41 | 5 56 |
| M27 | 22 10 | 22 5 | 0 17 | 25 43 | 2 14 | 13 22 | 1 41 | 12 19 | 1 2 | 23 27 | 0 20 | 14 58 | 1 27 | 20 28 | 0 6 | 11 57 | 1 49 | 22 13 | 15 5 | 21 55 | 21 40 | 8 8 | 15 41 | 5 56 |
| T 28 | 22 19 | 20 50 | 0s57 | 25 46 | 2 15 | 13 47 | 1 40 | 12 3 | 1 1 | 23 26 | 0 20 | 14 58 | 1 27 | 20 28 | 0 6 | 11 57 | 1 49 | 22 14 | 15 6 | 21 55 | 21 40 | 8 11 | 15 41 | 5 56 |
| W29 | 22 27 | 18 28 | 2 6 | 25 48 | 2 14 | 14 11 | 1 38 | 11 46 | 0 59 | 23 25 | 0 20 | 14 58 | 1 27 | 20 29 | 0 6 | 11 58 | 1 49 | 22 14 | 15 6 | 21 55 | 21 41 | 8 13 | 15 40 | 5 56 |
| T 30 | 22s35 | 15s14 | 3s 6 | 25s48 | 2s14 | 14s34 | 1n37 | 11s30 | 0s58 | 23s24 | 0s20 | 14n59 | 1n27 | 20s30 | 0n 6 | 11s59 | 1n49 | 22n15 | 15n 7 | 21n54 | 21n41 | 8n15 | 15s40 | 5n55 |

Julian Day Number = 2077846.5, Delta T = 26m22s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'49, Lahiri = 9°35'50 Julian Calendar 1 Nov. 976 == Greg. Calendar 6 Nov. 976


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# ASTRODIENST EPHEMERIS for the year 976
# geocentric

## DECEMBER 976 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 0 33 | 14♐46'54 | 10♓15 | 1♑ 8 | 15♏12 | 3♓17 | 11♑41 | 23°R58 | 1♐39 | 6♏19 | 8♍49 | 21°R 6 | 22♋24 | 4♉21 | 23♑38 | F 1 |
| S 2 | 5 4 29 | 15°48'05 | 22°28 | 2°37 | 16°27 | 3°59 | 11°54 | 23♌57 | 1°43 | 6°21 | 8°49 | 21♋ 6 | 22°21 | 4°27 | 23°42 | S 2 |
| S 3 | 5 8 26 | 16°49'16 | 4♈30 | 4° 5 | 17°41 | 4°40 | 12° 8 | 23°57 | 1°47 | 6°22 | 8°49 | 21° 4 | 22°18 | 4°34 | 23°46 | S 3 |
| M 4 | 5 12 22 | 17°50'27 | 16°24 | 5°31 | 18°56 | 5°21 | 12°21 | 23°57 | 1°50 | 6°24 | 8°49 | 21° 1 | 22°15 | 4°41 | 23°51 | M 4 |
| T 5 | 5 16 19 | 18°51'38 | 28°15 | 6°56 | 20°10 | 6° 2 | 12°35 | 23°56 | 1°54 | 6°26 | 8°49 | 20°56 | 22°12 | 4°48 | 23°55 | T 5 |
| W 6 | 5 20 15 | 19°52'49 | 10♉ 8 | 8°19 | 21°25 | 6°44 | 12°48 | 23°55 | 1°57 | 6°28 | 8°R49 | 20°51 | 22° 9 | 4°54 | 23°59 | W 6 |
| T 7 | 5 24 12 | 20°54'00 | 22° 4 | 9°39 | 22°40 | 7°25 | 13° 2 | 23°54 | 2° 1 | 6°30 | 8°49 | 20°45 | 22° 5 | 5° 1 | 24° 3 | T 7 |
| F 8 | 5 28 9 | 21°55'12 | 4♊ 6 | 10°56 | 23°54 | 8° 6 | 13°16 | 23°53 | 2° 4 | 6°31 | 8°49 | 20°40 | 22° 2 | 5° 8 | 24° 7 | F 8 |
| S 9 | 5 32 5 | 22°56'23 | 16°16 | 12°11 | 25° 9 | 8°48 | 13°29 | 23°52 | 2° 8 | 6°33 | 8°49 | 20°35 | 21°59 | 5°14 | 24°12 | S 9 |
| S 10 | 5 36 2 | 23°57'35 | 28°35 | 13°21 | 26°24 | 9°29 | 13°43 | 23°51 | 2°11 | 6°35 | 8°49 | 20°32 | 21°56 | 5°21 | 24°16 | S 10 |
| M11 | 5 39 58 | 24°58'46 | 11♋ 5 | 14°27 | 27°38 | 10°11 | 13°57 | 23°50 | 2°15 | 6°36 | 8°49 | 20°30 | 21°53 | 5°28 | 24°20 | M11 |
| T 12 | 5 43 55 | 25°59'58 | 23°45 | 15°27 | 28°53 | 10°52 | 14°11 | 23°49 | 2°18 | 6°38 | 8°48 | 20°D30 | 21°50 | 5°35 | 24°25 | T 12 |
| W13 | 5 47 51 | 27° 1'10 | 6♌38 | 16°21 | 0♐ 8 | 11°33 | 14°24 | 23°47 | 2°22 | 6°40 | 8°48 | 20°31 | 21°46 | 5°41 | 24°29 | W13 |
| T 14 | 5 51 48 | 28° 2'21 | 19°43 | 17° 9 | 1°22 | 12°15 | 14°38 | 23°45 | 2°25 | 6°41 | 8°48 | 20°32 | 21°43 | 5°48 | 24°34 | T 14 |
| F 15 | 5 55 44 | 29° 3'33 | 3♍ 2 | 17°49 | 2°37 | 12°56 | 14°52 | 23°44 | 2°29 | 6°43 | 8°48 | 20°34 | 21°40 | 5°55 | 24°38 | F 15 |
| S 16 | 5 59 41 | 0♑ 4'45 | 16°36 | 18°20 | 3°52 | 13°38 | 15° 6 | 23°42 | 2°32 | 6°44 | 8°47 | 20°35 | 21°37 | 6° 2 | 24°42 | S 16 |
| S 17 | 6 3 38 | 1° 5'58 | 0♎27 | 18°41 | 5° 7 | 14°19 | 15°20 | 23°40 | 2°35 | 6°46 | 8°47 | 20°R36 | 21°34 | 6° 8 | 24°47 | S 17 |
| M18 | 6 7 34 | 2° 7'10 | 14°32 | 18°52 | 6°22 | 15° 1 | 15°34 | 23°38 | 2°39 | 6°47 | 8°47 | 20°35 | 21°30 | 6°15 | 24°51 | M18 |
| T 19 | 6 11 31 | 3° 8'22 | 28°53 | 18°R52 | 7°37 | 15°42 | 15°48 | 23°36 | 2°42 | 6°49 | 8°46 | 20°34 | 21°27 | 6°22 | 24°56 | T 19 |
| W20 | 6 15 27 | 4° 9'34 | 13♏24 | 18°41 | 8°51 | 16°24 | 16° 2 | 23°34 | 2°45 | 6°50 | 8°46 | 20°32 | 21°24 | 6°28 | 25° 1 | W20 |
| T 21 | 6 19 24 | 5°10'47 | 28° 2 | 18°17 | 10° 6 | 17° 5 | 16°16 | 23°31 | 2°48 | 6°52 | 8°45 | 20°30 | 21°21 | 6°35 | 25° 5 | T 21 |
| F 22 | 6 23 20 | 6°11'59 | 12♐42 | 17°42 | 11°21 | 17°47 | 16°30 | 23°29 | 2°52 | 6°53 | 8°45 | 20°28 | 21°18 | 6°42 | 25°10 | F 22 |
| S 23 | 6 27 17 | 7°13'11 | 27°15 | 16°56 | 12°36 | 18°28 | 16°44 | 23°27 | 2°55 | 6°54 | 8°44 | 20°26 | 21°15 | 6°49 | 25°14 | S 23 |
| S 24 | 6 31 13 | 8°14'22 | 11♑36 | 16° 0 | 13°51 | 19°10 | 16°58 | 23°24 | 2°58 | 6°56 | 8°44 | 20°26 | 21°11 | 6°55 | 25°19 | S 24 |
| M25 | 6 35 10 | 9°15'33 | 25°39 | 14°55 | 15° 6 | 19°51 | 17°13 | 23°21 | 3° 1 | 6°57 | 8°43 | 20°D26 | 21° 8 | 7° 2 | 25°24 | M25 |
| T 26 | 6 39 7 | 10°16'44 | 9♒20 | 13°43 | 16°21 | 20°33 | 17°27 | 23°18 | 3° 4 | 6°58 | 8°42 | 20°26 | 21° 5 | 7° 9 | 25°28 | T 26 |
| W27 | 6 43 3 | 11°17'53 | 22°39 | 12°27 | 17°36 | 21°14 | 17°41 | 23°16 | 3° 7 | 6°59 | 8°42 | 20°27 | 21° 2 | 7°15 | 25°33 | W27 |
| T 28 | 6 47 0 | 12°19'02 | 5♓35 | 11° 9 | 18°50 | 21°56 | 17°55 | 23°13 | 3°10 | 7° 1 | 8°41 | 20°28 | 20°59 | 7°22 | 25°38 | T 28 |
| F 29 | 6 50 56 | 13°20'10 | 18°10 | 9°51 | 20° 5 | 22°37 | 18° 9 | 23° 9 | 3°14 | 7° 2 | 8°40 | 20°29 | 20°56 | 7°29 | 25°43 | F 29 |
| S 30 | 6 54 53 | 14°21'17 | 0♈28 | 8°36 | 21°20 | 23°19 | 18°23 | 23° 6 | 3°17 | 7° 3 | 8°40 | 20°29 | 20°52 | 7°36 | 25°47 | S 30 |
| S 31 | 6 58 49 | 15♑22'23 | 12♈32 | 7♑26 | 22♐35 | 24♓ 0 | 18♑38 | 23♌ 3 | 3♐19 | 7♏ 4 | 8♍39 | 20°R29 | 20♋49 | 7♉42 | 25♑52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s42 | 11s24 | 3s56 | 25s46 | 2s12 | 14s58 | 1n35 | 11s14 | 0s56 | 23s23 | 0s20 | 14n59 | 1n27 | 20s31 | 0n 6 | 11s59 | 1n49 | 22n15 | 15n 7 | 21n54 | 21n42 | 8n18 | 15s39 | 5n55 |
| S 2 | 22 49 | 7 11 | 4 34 | 25 43 | 2 11 | 15 21 | 1 34 | 10 57 | 0 55 | 23 22 | 0 20 | 14 59 | 1 28 | 20 31 | 0 6 | 12 0 | 1 49 | 22 15 | 15 8 | 21 54 | 21 42 | 8 20 | 15 39 | 5 55 |
| S 3 | 22 55 | 2 46 | 4 59 | 25 38 | 2 8 | 15 44 | 1 32 | 10 41 | 0 53 | 23 21 | 0 20 | 15 0 | 1 28 | 20 32 | 0 6 | 12 0 | 1 49 | 22 16 | 15 8 | 21 55 | 21 43 | 8 23 | 15 39 | 5 55 |
| M 4 | 23 1 | 1n42 | 5 11 | 25 32 | 2 5 | 16 6 | 1 30 | 10 24 | 0 52 | 23 20 | 0 20 | 15 0 | 1 28 | 20 33 | 0 6 | 12 1 | 1 49 | 22 16 | 15 9 | 21 55 | 21 43 | 8 25 | 15 38 | 5 54 |
| T 5 | 23 6 | 6 6 | 5 9 | 25 24 | 2 1 | 16 28 | 1 28 | 10 8 | 0 51 | 23 19 | 0 20 | 15 0 | 1 28 | 20 33 | 0 6 | 12 2 | 1 49 | 22 17 | 15 10 | 21 56 | 21 44 | 8 27 | 15 38 | 5 54 |
| W 6 | 23 11 | 10 17 | 4 54 | 25 14 | 1 56 | 16 49 | 1 27 | 9 51 | 0 49 | 23 17 | 0 20 | 15 1 | 1 29 | 20 34 | 0 6 | 12 2 | 1 49 | 22 17 | 15 10 | 21 57 | 21 44 | 8 30 | 15 37 | 5 54 |
| T 7 | 23 15 | 14 5 | 4 27 | 25 3 | 1 51 | 17 10 | 1 25 | 9 34 | 0 48 | 23 16 | 0 20 | 15 1 | 1 29 | 20 35 | 0 6 | 12 3 | 1 49 | 22 18 | 15 11 | 21 58 | 21 45 | 8 32 | 15 37 | 5 54 |
| F 8 | 23 19 | 17 22 | 3 47 | 24 51 | 1 44 | 17 31 | 1 23 | 9 17 | 0 46 | 23 15 | 0 21 | 15 2 | 1 29 | 20 36 | 0 6 | 12 3 | 1 49 | 22 18 | 15 11 | 21 58 | 21 45 | 8 35 | 15 36 | 5 54 |
| S 9 | 23 23 | 19 56 | 2 57 | 24 37 | 1 37 | 17 51 | 1 21 | 9 1 | 0 45 | 23 14 | 0 21 | 15 2 | 1 29 | 20 36 | 0 6 | 12 4 | 1 49 | 22 19 | 15 12 | 21 59 | 21 46 | 8 37 | 15 36 | 5 53 |
| S 10 | 23 26 | 21 36 | 1 57 | 24 22 | 1 28 | 18 11 | 1 19 | 8 44 | 0 44 | 23 12 | 0 21 | 15 3 | 1 30 | 20 37 | 0 6 | 12 4 | 1 49 | 22 19 | 15 12 | 22 0 | 21 46 | 8 39 | 15 35 | 5 53 |
| M11 | 23 28 | 22 15 | 0 52 | 24 5 | 1 19 | 18 30 | 1 17 | 8 27 | 0 42 | 23 11 | 0 21 | 15 4 | 1 30 | 20 38 | 0 6 | 12 5 | 1 49 | 22 20 | 15 13 | 22 0 | 21 47 | 8 42 | 15 34 | 5 53 |
| T 12 | 23 31 | 21 46 | 0n18 | 23 48 | 1 8 | 18 49 | 1 14 | 8 10 | 0 41 | 23 9 | 0 21 | 15 4 | 1 30 | 20 38 | 0 6 | 12 5 | 1 49 | 22 20 | 15 13 | 22 0 | 21 47 | 8 44 | 15 34 | 5 53 |
| W13 | 23 32 | 20 8 | 1 28 | 23 30 | 0 57 | 19 7 | 1 12 | 7 53 | 0 40 | 23 8 | 0 21 | 15 5 | 1 30 | 20 39 | 0 6 | 12 6 | 1 49 | 22 21 | 15 14 | 22 0 | 21 48 | 8 47 | 15 33 | 5 53 |
| T 14 | 23 33 | 17 25 | 2 34 | 23 11 | 0 44 | 19 24 | 1 10 | 7 35 | 0 38 | 23 7 | 0 21 | 15 6 | 1 31 | 20 40 | 0 6 | 12 6 | 1 49 | 22 22 | 15 14 | 21 59 | 21 48 | 8 49 | 15 33 | 5 52 |
| F 15 | 23 34 | 13 45 | 3 33 | 22 52 | 0 30 | 19 42 | 1 8 | 7 18 | 0 37 | 23 5 | 0 21 | 15 7 | 1 31 | 20 40 | 0 6 | 12 7 | 1 49 | 22 22 | 15 15 | 21 59 | 21 49 | 8 51 | 15 32 | 5 52 |
| S 16 | 23 34 | 9 20 | 4 22 | 22 33 | 0 15 | 19 58 | 1 5 | 7 1 | 0 36 | 23 4 | 0 21 | 15 7 | 1 31 | 20 41 | 0 6 | 12 7 | 1 49 | 22 23 | 15 15 | 21 59 | 21 49 | 8 54 | 15 31 | 5 52 |
| S 17 | 23 34 | 4 21 | 4 56 | 22 14 | 0n 2 | 20 14 | 1 3 | 6 44 | 0 34 | 23 2 | 0 21 | 15 8 | 1 31 | 20 42 | 0 6 | 12 7 | 1 49 | 22 23 | 15 16 | 21 59 | 21 50 | 8 56 | 15 31 | 5 52 |
| M18 | 23 33 | 0s56 | 5 14 | 21 55 | 0 19 | 20 30 | 1 1 | 6 27 | 0 33 | 23 1 | 0 21 | 15 9 | 1 31 | 20 42 | 0 6 | 12 8 | 1 49 | 22 24 | 15 16 | 21 59 | 21 50 | 8 59 | 15 30 | 5 52 |
| T 19 | 23 32 | 6 16 | 5 12 | 21 38 | 0 37 | 20 44 | 0 58 | 6 9 | 0 32 | 22 59 | 0 21 | 15 10 | 1 32 | 20 43 | 0 6 | 12 8 | 1 50 | 22 25 | 15 17 | 21 59 | 21 51 | 9 1 | 15 30 | 5 52 |
| W20 | 23 30 | 11 19 | 4 51 | 21 21 | 0 56 | 20 59 | 0 56 | 5 52 | 0 31 | 22 58 | 0 22 | 15 11 | 1 32 | 20 44 | 0 6 | 12 9 | 1 50 | 22 25 | 15 17 | 22 0 | 21 51 | 9 3 | 15 29 | 5 52 |
| T 21 | 23 28 | 15 46 | 4 11 | 21 5 | 1 15 | 21 12 | 0 53 | 5 35 | 0 29 | 22 56 | 0 22 | 15 12 | 1 32 | 20 44 | 0 6 | 12 9 | 1 50 | 22 26 | 15 18 | 22 0 | 21 52 | 9 6 | 15 28 | 5 51 |
| F 22 | 23 25 | 19 14 | 3 14 | 20 50 | 1 34 | 21 25 | 0 51 | 5 17 | 0 28 | 22 54 | 0 22 | 15 13 | 1 32 | 20 45 | 0 6 | 12 10 | 1 50 | 22 27 | 15 18 | 22 0 | 21 52 | 9 8 | 15 27 | 5 51 |
| S 23 | 23 22 | 21 28 | 2 5 | 20 37 | 1 53 | 21 38 | 0 48 | 5 0 | 0 27 | 22 53 | 0 22 | 15 14 | 1 33 | 20 46 | 0 6 | 12 10 | 1 50 | 22 27 | 15 19 | 22 0 | 21 53 | 9 11 | 15 27 | 5 51 |
| S 24 | 23 19 | 22 15 | 0 49 | 20 26 | 2 11 | 21 50 | 0 46 | 4 42 | 0 26 | 22 51 | 0 22 | 15 15 | 1 33 | 20 46 | 0 6 | 12 10 | 1 50 | 22 28 | 15 19 | 22 0 | 21 53 | 9 13 | 15 26 | 5 51 |
| M25 | 23 15 | 21 36 | 0s29 | 20 17 | 2 28 | 22 1 | 0 43 | 4 25 | 0 24 | 22 49 | 0 22 | 15 16 | 1 33 | 20 47 | 0 6 | 12 11 | 1 50 | 22 29 | 15 20 | 22 0 | 21 54 | 9 15 | 15 25 | 5 51 |
| T 26 | 23 10 | 19 40 | 1 43 | 20 9 | 2 44 | 22 11 | 0 41 | 4 7 | 0 23 | 22 47 | 0 22 | 15 17 | 1 33 | 20 48 | 0 6 | 12 11 | 1 50 | 22 29 | 15 20 | 22 0 | 21 54 | 9 18 | 15 25 | 5 51 |
| W27 | 23 5 | 16 42 | 2 49 | 20 2 | 2 58 | 22 21 | 0 38 | 3 50 | 0 22 | 22 46 | 0 22 | 15 18 | 1 33 | 20 48 | 0 6 | 12 11 | 1 50 | 22 30 | 15 21 | 22 0 | 21 55 | 9 20 | 15 24 | 5 51 |
| T 28 | 23 0 | 13 0 | 3 45 | 19 58 | 3 9 | 22 31 | 0 36 | 3 32 | 0 21 | 22 44 | 0 22 | 15 20 | 1 34 | 20 49 | 0 6 | 12 12 | 1 50 | 22 31 | 15 21 | 22 0 | 21 55 | 9 23 | 15 23 | 5 51 |
| F 29 | 22 54 | 8 49 | 4 28 | 19 55 | 3 18 | 22 39 | 0 33 | 3 15 | 0 20 | 22 42 | 0 22 | 15 21 | 1 34 | 20 49 | 0 6 | 12 12 | 1 50 | 22 31 | 15 22 | 22 0 | 21 56 | 9 25 | 15 22 | 5 51 |
| S 30 | 22 48 | 4 22 | 4 58 | 19 53 | 3 25 | 22 47 | 0 30 | 2 57 | 0 19 | 22 40 | 0 22 | 15 22 | 1 34 | 20 50 | 0 6 | 12 12 | 1 50 | 22 32 | 15 22 | 22 0 | 21 56 | 9 27 | 15 22 | 5 51 |
| S 31 | 22s41 | 0n10 | 5s14 | 19s53 | 3n29 | 22s54 | 0n28 | 2s40 | 0s18 | 22s38 | 0s23 | 15n23 | 1n34 | 20s50 | 0n 6 | 12s13 | 1n50 | 22n33 | 15n23 | 22n 0 | 21n57 | 9n30 | 15s21 | 5n51 |

Julian Day Number = 2077876.5, Delta T = 26m21s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'53, Lahiri = 9°35'54 Julian Calendar 1 Dec. 976 == Greg. Calendar 6 Dec. 976


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## JANUARY 977 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 2 46 | 16♑23'28 | 24♈28 | 6°R22 | 23♐50 | 24♓42 | 18♑52 | 23°R 0 | 3♐22 | 7♏ 5 | 8°R38 | 20°R29 | 20♋46 | 7♉49 | 25♑57 | M 1 |
| T 2 | 7 6 42 | 17°24'32 | 6♉20 | 5♑25 | 25° 5 | 25°23 | 19° 6 | 22♌56 | 3°25 | 7° 6 | 8♍37 | 20♋29 | 20°43 | 7°56 | 26° 1 | T 2 |
| W 3 | 7 10 39 | 18°25'34 | 18°13 | 4°37 | 26°20 | 26° 4 | 19°20 | 22°53 | 3°28 | 7° 7 | 8°36 | 20°29 | 20°40 | 8° 2 | 26° 6 | W 3 |
| T 4 | 7 14 36 | 19°26'36 | 0♊11 | 3°58 | 27°35 | 26°46 | 19°34 | 22°49 | 3°31 | 7° 8 | 8°35 | 20°29 | 20°36 | 8° 9 | 26°11 | T 4 |
| F 5 | 7 18 32 | 20°27'37 | 12°17 | 3°28 | 28°50 | 27°27 | 19°49 | 22°46 | 3°34 | 7° 9 | 8°34 | 20°D29 | 20°33 | 8°16 | 26°16 | F 5 |
| S 6 | 7 22 29 | 21°28'37 | 24°35 | 3° 7 | 0♑ 4 | 28° 9 | 20° 3 | 22°42 | 3°37 | 7°10 | 8°33 | 20°29 | 20°30 | 8°23 | 26°21 | S 6 |
| S 7 | 7 26 25 | 22°29'35 | 7♋ 6 | 2°55 | 1°19 | 28°50 | 20°17 | 22°38 | 3°39 | 7°11 | 8°32 | 20°29 | 20°27 | 8°29 | 26°25 | S 7 |
| M 8 | 7 30 22 | 23°30'33 | 19°53 | 2°D51 | 2°34 | 29°32 | 20°31 | 22°34 | 3°42 | 7°12 | 8°31 | 20°R29 | 20°24 | 8°36 | 26°30 | M 8 |
| T 9 | 7 34 18 | 24°31'29 | 2♌55 | 2°55 | 3°49 | 0♈13 | 20°45 | 22°30 | 3°45 | 7°13 | 8°30 | 20°29 | 20°21 | 8°43 | 26°35 | T 9 |
| W10 | 7 38 15 | 25°32'24 | 16°12 | 3° 6 | 5° 4 | 0°54 | 21° 0 | 22°26 | 3°47 | 7°13 | 8°29 | 20°28 | 20°17 | 8°49 | 26°40 | W10 |
| T 11 | 7 42 12 | 26°33'19 | 29°43 | 3°24 | 6°19 | 1°36 | 21°14 | 22°22 | 3°50 | 7°14 | 8°28 | 20°28 | 20°14 | 8°56 | 26°44 | T 11 |
| F 12 | 7 46 8 | 27°34'12 | 13♍26 | 3°48 | 7°34 | 2°17 | 21°28 | 22°18 | 3°52 | 7°15 | 8°27 | 20°27 | 20°11 | 9° 3 | 26°49 | F 12 |
| S 13 | 7 50 5 | 28°35'04 | 27°19 | 4°18 | 8°49 | 2°58 | 21°42 | 22°14 | 3°55 | 7°15 | 8°26 | 20°26 | 20° 8 | 9°10 | 26°54 | S 13 |
| S 14 | 7 54 1 | 29°35'56 | 11♎20 | 4°53 | 10° 4 | 3°40 | 21°56 | 22°10 | 3°57 | 7°16 | 8°25 | 20°25 | 20° 5 | 9°16 | 26°59 | S 14 |
| M15 | 7 57 58 | 0♒36'46 | 25°27 | 5°32 | 11°19 | 4°21 | 22°10 | 22° 6 | 4° 0 | 7°17 | 8°24 | 20°D25 | 20° 2 | 9°23 | 27° 4 | M15 |
| T 16 | 8 1 54 | 1°37'35 | 9♏39 | 6°17 | 12°33 | 5° 2 | 22°25 | 22° 1 | 4° 2 | 7°17 | 8°23 | 20°25 | 19°58 | 9°30 | 27° 8 | T 16 |
| W17 | 8 5 51 | 2°38'24 | 23°52 | 7° 5 | 13°48 | 5°44 | 22°39 | 21°57 | 4° 5 | 7°18 | 8°21 | 20°25 | 19°55 | 9°36 | 27°13 | W17 |
| T 18 | 8 9 47 | 3°39'12 | 8♐ 4 | 7°56 | 15° 3 | 6°25 | 22°53 | 21°53 | 4° 7 | 7°18 | 8°20 | 20°26 | 19°52 | 9°43 | 27°18 | T 18 |
| F 19 | 8 13 44 | 4°39'58 | 22°13 | 8°51 | 16°18 | 7° 6 | 23° 7 | 21°48 | 4° 9 | 7°19 | 8°19 | 20°28 | 19°49 | 9°50 | 27°23 | F 19 |
| S 20 | 8 17 41 | 5°40'44 | 6♑16 | 9°49 | 17°33 | 7°47 | 23°21 | 21°44 | 4°11 | 7°19 | 8°18 | 20°28 | 19°46 | 9°57 | 27°27 | S 20 |
| S 21 | 8 21 37 | 6°41'28 | 20°10 | 10°50 | 18°48 | 8°29 | 23°35 | 21°39 | 4°14 | 7°20 | 8°16 | 20°R29 | 19°42 | 10° 3 | 27°32 | S 21 |
| M22 | 8 25 34 | 7°42'11 | 3♒52 | 11°53 | 20° 3 | 9°10 | 23°49 | 21°34 | 4°16 | 7°20 | 8°15 | 20°28 | 19°39 | 10°10 | 27°37 | M22 |
| T 23 | 8 29 30 | 8°42'52 | 17°18 | 12°59 | 21°18 | 9°51 | 24° 3 | 21°30 | 4°18 | 7°21 | 8°14 | 20°27 | 19°36 | 10°17 | 27°42 | T 23 |
| W24 | 8 33 27 | 9°43'32 | 0♓28 | 14° 7 | 22°33 | 10°32 | 24°17 | 21°25 | 4°20 | 7°21 | 8°12 | 20°25 | 19°33 | 10°23 | 27°46 | W24 |
| T 25 | 8 37 23 | 10°44'10 | 13°20 | 15°17 | 23°48 | 11°13 | 24°31 | 21°20 | 4°22 | 7°21 | 8°11 | 20°22 | 19°30 | 10°30 | 27°51 | T 25 |
| F 26 | 8 41 20 | 11°44'46 | 25°54 | 16°29 | 25° 2 | 11°54 | 24°45 | 21°16 | 4°24 | 7°21 | 8°10 | 20°18 | 19°27 | 10°37 | 27°56 | F 26 |
| S 27 | 8 45 16 | 12°45'20 | 8♈13 | 17°42 | 26°17 | 12°36 | 24°59 | 21°11 | 4°26 | 7°22 | 8° 8 | 20°15 | 19°23 | 10°44 | 28° 0 | S 27 |
| S 28 | 8 49 13 | 13°45'53 | 20°19 | 18°58 | 27°32 | 13°17 | 25°13 | 21° 6 | 4°28 | 7°22 | 8° 7 | 20°12 | 19°20 | 10°50 | 28° 5 | S 28 |
| M29 | 8 53 10 | 14°46'24 | 2♉16 | 20°15 | 28°47 | 13°58 | 25°27 | 21° 1 | 4°29 | 7°22 | 8° 5 | 20°10 | 19°17 | 10°57 | 28°10 | M29 |
| T 30 | 8 57 6 | 15°46'53 | 14° 9 | 21°33 | 0♒ 2 | 14°39 | 25°40 | 20°57 | 4°31 | 7°22 | 8° 4 | 20°D 9 | 19°14 | 11° 4 | 28°14 | T 30 |
| W31 | 9 1 3 | 16♒47'20 | 26♉ 1 | 22♑53 | 1♒17 | 15♈20 | 25♑54 | 20♌52 | 4♐33 | 7♏22 | 8♍ 2 | 20♋10 | 19♋11 | 11♉10 | 28♑19 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s34 | 4n38 | 5s16 | 19s55 | 3n31 | 23s 1 | 0n25 | 2s22 | 0s16 | 22s37 | 0s23 | 15n25 | 1n34 | 20s51 | 0n 6 | 12s13 | 1n50 | 22n34 | 15n23 | 22n 0 | 21n57 | 9n32 | 15s20 | 5n51 |
| T 2 | 22 26 | 8 54 | 5 5 | 19 58 | 3 30 | 23 6 | 0 22 | 2 5 | 0 15 | 22 35 | 0 23 | 15 26 | 1 35 | 20 52 | 0 6 | 12 13 | 1 50 | 22 34 | 15 24 | 22 0 | 21 58 | 9 35 | 15 19 | 5 50 |
| W 3 | 22 18 | 12 51 | 4 41 | 20 2 | 3 28 | 23 11 | 0 20 | 1 47 | 0 14 | 22 33 | 0 23 | 15 27 | 1 35 | 20 52 | 0 6 | 12 14 | 1 50 | 22 35 | 15 24 | 22 0 | 21 58 | 9 37 | 15 18 | 5 50 |
| T 4 | 22 9 | 16 19 | 4 4 | 20 7 | 3 23 | 23 16 | 0 17 | 1 30 | 0 13 | 22 31 | 0 23 | 15 29 | 1 35 | 20 53 | 0 6 | 12 14 | 1 50 | 22 36 | 15 24 | 22 0 | 21 59 | 9 39 | 15 17 | 5 50 |
| F 5 | 22 0 | 19 9 | 3 16 | 20 14 | 3 18 | 23 20 | 0 14 | 1 12 | 0 12 | 22 29 | 0 23 | 15 30 | 1 35 | 20 53 | 0 6 | 12 14 | 1 50 | 22 37 | 15 25 | 22 0 | 21 59 | 9 42 | 15 17 | 5 50 |
| S 6 | 21 51 | 21 9 | 2 19 | 20 22 | 3 11 | 23 22 | 0 12 | 0 55 | 0 11 | 22 27 | 0 23 | 15 31 | 1 35 | 20 54 | 0 6 | 12 14 | 1 51 | 22 37 | 15 25 | 22 0 | 22 0 | 9 44 | 15 16 | 5 50 |
| S 7 | 21 41 | 22 9 | 1 14 | 20 30 | 3 2 | 23 25 | 0 9 | 0 37 | 0 10 | 22 25 | 0 23 | 15 33 | 1 35 | 20 54 | 0 6 | 12 15 | 1 51 | 22 38 | 15 26 | 22 0 | 22 0 | 9 46 | 15 15 | 5 50 |
| M 8 | 21 31 | 22 2 | 0 3 | 20 39 | 2 54 | 23 26 | 0 6 | 0 19 | 0 9 | 22 23 | 0 23 | 15 34 | 1 36 | 20 55 | 0 6 | 12 15 | 1 51 | 22 39 | 15 26 | 22 0 | 22 1 | 9 49 | 15 14 | 5 50 |
| T 9 | 21 20 | 20 43 | 1n 8 | 20 48 | 2 44 | 23 27 | 0 4 | 0 2 | 0 8 | 22 21 | 0 23 | 15 36 | 1 36 | 20 55 | 0 6 | 12 15 | 1 51 | 22 40 | 15 27 | 22 0 | 22 1 | 9 51 | 15 13 | 5 50 |
| W10 | 21 9 | 18 15 | 2 18 | 20 58 | 2 34 | 23 27 | 0 1 | 0n16 | 0 7 | 22 19 | 0 24 | 15 37 | 1 36 | 20 56 | 0 6 | 12 15 | 1 51 | 22 40 | 15 27 | 22 0 | 22 2 | 9 54 | 15 12 | 5 50 |
| T 11 | 20 58 | 14 46 | 3 21 | 21 8 | 2 24 | 23 27 | 0s 1 | 0 33 | 0 6 | 22 16 | 0 24 | 15 39 | 1 36 | 20 56 | 0 6 | 12 15 | 1 51 | 22 41 | 15 27 | 22 0 | 22 2 | 9 56 | 15 11 | 5 50 |
| F 12 | 20 46 | 10 26 | 4 13 | 21 18 | 2 13 | 23 25 | 0 4 | 0 50 | 0 5 | 22 14 | 0 24 | 15 40 | 1 36 | 20 57 | 0 6 | 12 16 | 1 51 | 22 42 | 15 28 | 22 0 | 22 3 | 9 58 | 15 11 | 5 50 |
| S 13 | 20 33 | 5 31 | 4 51 | 21 28 | 2 2 | 23 23 | 0 7 | 1 8 | 0 4 | 22 12 | 0 24 | 15 42 | 1 37 | 20 57 | 0 6 | 12 16 | 1 51 | 22 43 | 15 28 | 22 0 | 22 3 | 10 1 | 15 10 | 5 50 |
| S 14 | 20 21 | 0 17 | 5 13 | 21 38 | 1 51 | 23 20 | 0 9 | 1 25 | 0 3 | 22 10 | 0 24 | 15 43 | 1 37 | 20 58 | 0 6 | 12 16 | 1 51 | 22 44 | 15 29 | 22 1 | 22 4 | 10 3 | 15 9 | 5 50 |
| M15 | 20 8 | 5s 0 | 5 15 | 21 47 | 1 40 | 23 17 | 0 12 | 1 43 | 0 2 | 22 8 | 0 24 | 15 45 | 1 37 | 20 58 | 0 6 | 12 16 | 1 51 | 22 44 | 15 29 | 22 1 | 22 4 | 10 6 | 15 8 | 5 50 |
| T 16 | 19 54 | 10 3 | 4 59 | 21 56 | 1 30 | 23 13 | 0 14 | 2 0 | 0 1 | 22 6 | 0 24 | 15 46 | 1 37 | 20 59 | 0 6 | 12 16 | 1 51 | 22 45 | 15 29 | 22 1 | 22 5 | 10 8 | 15 7 | 5 50 |
| W17 | 19 41 | 14 34 | 4 24 | 22 4 | 1 19 | 23 8 | 0 17 | 2 17 | 0n 0 | 22 3 | 0 24 | 15 48 | 1 37 | 20 59 | 0 6 | 12 16 | 1 51 | 22 46 | 15 30 | 22 1 | 22 5 | 10 10 | 15 6 | 5 50 |
| T 18 | 19 27 | 18 15 | 3 34 | 22 12 | 1 8 | 23 2 | 0 19 | 2 35 | 0 1 | 22 1 | 0 24 | 15 50 | 1 37 | 21 0 | 0 6 | 12 16 | 1 51 | 22 47 | 15 30 | 22 0 | 22 5 | 10 13 | 15 5 | 5 50 |
| F 19 | 19 12 | 20 51 | 2 30 | 22 19 | 0 58 | 22 56 | 0 22 | 2 52 | 0 2 | 21 59 | 0 24 | 15 51 | 1 37 | 21 0 | 0 6 | 12 17 | 1 51 | 22 48 | 15 30 | 22 0 | 22 6 | 10 15 | 15 4 | 5 51 |
| S 20 | 18 57 | 22 8 | 1 18 | 22 25 | 0 47 | 22 49 | 0 24 | 3 9 | 0 3 | 21 57 | 0 25 | 15 53 | 1 38 | 21 0 | 0 6 | 12 17 | 1 51 | 22 48 | 15 31 | 22 0 | 22 6 | 10 17 | 15 3 | 5 51 |
| S 21 | 18 42 | 22 1 | 0 2 | 22 30 | 0 37 | 22 41 | 0 27 | 3 26 | 0 4 | 21 54 | 0 25 | 15 54 | 1 38 | 21 1 | 0 6 | 12 17 | 1 51 | 22 49 | 15 31 | 22 0 | 22 7 | 10 20 | 15 2 | 5 51 |
| M22 | 18 27 | 20 35 | 1s13 | 22 35 | 0 27 | 22 32 | 0 29 | 3 43 | 0 5 | 21 52 | 0 25 | 15 56 | 1 38 | 21 1 | 0 6 | 12 17 | 1 52 | 22 50 | 15 31 | 22 0 | 22 7 | 10 22 | 15 1 | 5 51 |
| T 23 | 18 11 | 18 0 | 2 23 | 22 38 | 0 18 | 22 23 | 0 31 | 4 0 | 0 6 | 21 50 | 0 25 | 15 58 | 1 38 | 21 2 | 0 6 | 12 17 | 1 52 | 22 51 | 15 32 | 22 0 | 22 8 | 10 25 | 15 0 | 5 51 |
| W24 | 17 55 | 14 32 | 3 23 | 22 41 | 0 8 | 22 14 | 0 34 | 4 18 | 0 6 | 21 47 | 0 25 | 15 59 | 1 38 | 21 2 | 0 6 | 12 17 | 1 52 | 22 52 | 15 32 | 22 1 | 22 8 | 10 27 | 14 59 | 5 51 |
| T 25 | 17 38 | 10 27 | 4 11 | 22 42 | 0s 1 | 22 3 | 0 36 | 4 35 | 0 7 | 21 45 | 0 25 | 16 1 | 1 38 | 21 2 | 0 6 | 12 17 | 1 52 | 22 52 | 15 32 | 22 1 | 22 9 | 10 29 | 14 58 | 5 51 |
| F 26 | 17 22 | 6 1 | 4 46 | 22 43 | 0 10 | 21 52 | 0 38 | 4 52 | 0 8 | 21 42 | 0 25 | 16 3 | 1 38 | 21 3 | 0 6 | 12 17 | 1 52 | 22 53 | 15 33 | 22 2 | 22 9 | 10 32 | 14 57 | 5 51 |
| S 27 | 17 4 | 1 26 | 5 7 | 22 42 | 0 19 | 21 40 | 0 40 | 5 8 | 0 9 | 21 40 | 0 25 | 16 4 | 1 39 | 21 3 | 0 6 | 12 17 | 1 52 | 22 54 | 15 33 | 22 2 | 22 10 | 10 34 | 14 56 | 5 51 |
| S 28 | 16 47 | 3n 8 | 5 14 | 22 40 | 0 27 | 21 28 | 0 42 | 5 25 | 0 10 | 21 38 | 0 25 | 16 6 | 1 39 | 21 3 | 0 6 | 12 17 | 1 52 | 22 55 | 15 33 | 22 3 | 22 10 | 10 36 | 14 55 | 5 51 |
| M29 | 16 30 | 7 31 | 5 7 | 22 37 | 0 35 | 21 15 | 0 45 | 5 42 | 0 11 | 21 35 | 0 26 | 16 8 | 1 39 | 21 4 | 0 6 | 12 17 | 1 52 | 22 56 | 15 33 | 22 3 | 22 11 | 10 39 | 14 54 | 5 51 |
| T 30 | 16 12 | 11 36 | 4 47 | 22 33 | 0 43 | 21 1 | 0 47 | 5 59 | 0 12 | 21 33 | 0 26 | 16 9 | 1 39 | 21 4 | 0 6 | 12 17 | 1 52 | 22 56 | 15 34 | 22 3 | 22 11 | 10 41 | 14 53 | 5 52 |
| W31 | 15s53 | 15n14 | 4s15 | 22s27 | 0s51 | 20s47 | 0s49 | 6n16 | 0n12 | 21s30 | 0s26 | 16n11 | 1n39 | 21s 4 | 0n 6 | 12s17 | 1n52 | 22n57 | 15n34 | 22n 3 | 22n11 | 10n43 | 14s52 | 5n52 |

Julian Day Number = 2077907.5, Delta T = 26m21s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°28'58, Lahiri = 9°35'58 Julian Calendar 1 Jan. 977 == Greg. Calendar 6 Jan. 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## FEBRUARY 977 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 4 59 | 17♒47'45 | 7♊58 | 24♉14 | 2♒31 | 16♈ 1 | 26♉ 8 | 20°R47 | 4♐34 | 7♏22 | 8°R 1 | 20♋11 | 19♋ 8 | 11♉17 | 28♉23 | T 1 |
| F 2 | 9 8 56 | 18°48'08 | 20° 5 | 25°36 | 3°46 | 16°42 | 26°22 | 20♌42 | 4°36 | 7°R22 | 7♍59 | 20°13 | 19° 4 | 11°24 | 28°28 | F 2 |
| S 3 | 9 12 52 | 19°48'30 | 2♋26 | 27° 0 | 5° 1 | 17°23 | 26°35 | 20°37 | 4°38 | 7°22 | 7°58 | 20°14 | 19° 1 | 11°31 | 28°32 | S 3 |
| S 4 | 9 16 49 | 20°48'49 | 15° 5 | 28°25 | 6°16 | 18° 4 | 26°49 | 20°33 | 4°39 | 7°22 | 7°56 | 20°R15 | 18°58 | 11°37 | 28°37 | S 4 |
| M 5 | 9 20 45 | 21°49'06 | 28° 4 | 29°51 | 7°30 | 18°45 | 27° 3 | 20°28 | 4°41 | 7°22 | 7°55 | 20°15 | 18°55 | 11°44 | 28°41 | M 5 |
| T 6 | 9 24 42 | 22°49'22 | 11♌24 | 1♒19 | 8°45 | 19°26 | 27°16 | 20°23 | 4°42 | 7°22 | 7°53 | 20°14 | 18°52 | 11°51 | 28°46 | T 6 |
| W 7 | 9 28 39 | 23°49'35 | 25° 5 | 2°47 | 10° 0 | 20° 6 | 27°30 | 20°18 | 4°43 | 7°22 | 7°52 | 20°10 | 18°48 | 11°57 | 28°50 | W 7 |
| T 8 | 9 32 35 | 24°49'47 | 9♍ 4 | 4°17 | 11°15 | 20°47 | 27°43 | 20°13 | 4°45 | 7°22 | 7°50 | 20° 6 | 18°45 | 12° 4 | 28°55 | T 8 |
| F 9 | 9 36 32 | 25°49'56 | 23°17 | 5°48 | 12°29 | 21°28 | 27°56 | 20° 8 | 4°46 | 7°21 | 7°49 | 20° 0 | 18°42 | 12°11 | 28°59 | F 9 |
| S 10 | 9 40 28 | 26°50'04 | 7♎38 | 7°20 | 13°44 | 22° 9 | 28°10 | 20° 4 | 4°47 | 7°21 | 7°47 | 19°54 | 18°39 | 12°18 | 29° 4 | S 10 |
| S 11 | 9 44 25 | 27°50'11 | 22° 2 | 8°53 | 14°59 | 22°50 | 28°23 | 19°59 | 4°48 | 7°21 | 7°45 | 19°49 | 18°36 | 12°24 | 29° 8 | S 11 |
| M12 | 9 48 21 | 28°50'15 | 6♏25 | 10°27 | 16°14 | 23°30 | 28°36 | 19°54 | 4°49 | 7°20 | 7°44 | 19°45 | 18°33 | 12°31 | 29°12 | M12 |
| T 13 | 9 52 18 | 29°50'19 | 20°41 | 12° 2 | 17°28 | 24°11 | 28°50 | 19°49 | 4°51 | 7°20 | 7°42 | 19°43 | 18°29 | 12°38 | 29°16 | T 13 |
| W14 | 9 56 14 | 0♓50'20 | 4♐50 | 13°38 | 18°43 | 24°52 | 29° 3 | 19°45 | 4°52 | 7°20 | 7°41 | 19°D43 | 18°26 | 12°44 | 29°21 | W14 |
| T 15 | 10 0 11 | 1°50'20 | 18°48 | 15°16 | 19°58 | 25°33 | 29°16 | 19°40 | 4°52 | 7°19 | 7°39 | 19°44 | 18°23 | 12°51 | 29°25 | T 15 |
| F 16 | 10 4 7 | 2°50'18 | 2♉36 | 16°54 | 21°12 | 26°13 | 29°29 | 19°35 | 4°53 | 7°19 | 7°38 | 19°45 | 18°20 | 12°58 | 29°29 | F 16 |
| S 17 | 10 8 4 | 3°50'15 | 16°13 | 18°34 | 22°27 | 26°54 | 29°42 | 19°31 | 4°54 | 7°18 | 7°36 | 19°R46 | 18°17 | 13° 5 | 29°33 | S 17 |
| S 18 | 10 12 1 | 4°50'10 | 29°40 | 20°15 | 23°42 | 27°34 | 29°55 | 19°26 | 4°55 | 7°18 | 7°34 | 19°46 | 18°13 | 13°11 | 29°37 | S 18 |
| M19 | 10 15 57 | 5°50'03 | 12♒55 | 21°57 | 24°57 | 28°15 | 0♒ 8 | 19°22 | 4°56 | 7°17 | 7°33 | 19°44 | 18°10 | 13°18 | 29°41 | M19 |
| T 20 | 10 19 54 | 6°49'54 | 25°59 | 23°40 | 26°11 | 28°56 | 0°21 | 19°17 | 4°56 | 7°17 | 7°31 | 19°39 | 18° 7 | 13°25 | 29°46 | T 20 |
| W21 | 10 23 50 | 7°49'43 | 8♓51 | 25°24 | 27°26 | 29°36 | 0°33 | 19°13 | 4°57 | 7°16 | 7°29 | 19°32 | 18° 4 | 13°31 | 29°50 | W21 |
| T 22 | 10 27 47 | 8°49'30 | 21°31 | 27°10 | 28°40 | 0♉17 | 0°46 | 19° 8 | 4°58 | 7°16 | 7°28 | 19°23 | 18° 1 | 13°38 | 29°54 | T 22 |
| F 23 | 10 31 43 | 9°49'15 | 3♈57 | 28°56 | 29°55 | 0°57 | 0°59 | 19° 4 | 4°58 | 7°15 | 7°26 | 19°14 | 17°58 | 13°45 | 29°57 | F 23 |
| S 24 | 10 35 40 | 10°48'57 | 16°12 | 0♓44 | 1♓10 | 1°38 | 1°11 | 19° 0 | 4°59 | 7°14 | 7°25 | 19° 4 | 17°54 | 13°52 | 0♒ 1 | S 24 |
| S 25 | 10 39 36 | 11°48'38 | 28°16 | 2°33 | 2°24 | 2°18 | 1°24 | 18°55 | 4°59 | 7°13 | 7°23 | 18°55 | 17°51 | 13°58 | 0° 5 | S 25 |
| M26 | 10 43 33 | 12°48'16 | 10♉11 | 4°24 | 3°39 | 2°58 | 1°36 | 18°51 | 5° 0 | 7°13 | 7°21 | 18°48 | 17°48 | 14° 5 | 0° 9 | M26 |
| T 27 | 10 47 30 | 13°47'52 | 22° 3 | 6°15 | 4°53 | 3°39 | 1°49 | 18°47 | 5° 0 | 7°12 | 7°20 | 18°43 | 17°45 | 14°12 | 0°13 | T 27 |
| W28 | 10 51 26 | 14♓47'26 | 3♊53 | 8♓ 8 | 6♓ 8 | 4♉19 | 2♒ 1 | 18♌43 | 5♐ 0 | 7♏11 | 7♍18 | 18♋40 | 17♋42 | 14♉18 | 0♒17 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s35 | 18n17 | 3s31 | 22s20 | 0s58 | 20s32 | 0s51 | 6n32 | 0n13 | 21s28 | 0s26 | 16n12 | 1n39 | 21s 5 | 0n 6 | 12s17 | 1n52 | 22n58 | 15n34 | 22n 3 | 22n12 | 10n46 | 14s51 | 5n52 |
| F 2 | 15 16 | 20 34 | 2 38 | 22 12 | 1 5 | 20 16 | 0 53 | 6 49 | 0 14 | 21 25 | 0 26 | 16 14 | 1 39 | 21 5 | 0 6 | 12 17 | 1 52 | 22 59 | 15 34 | 22 2 | 22 12 | 10 48 | 14 50 | 5 52 |
| S 3 | 14 57 | 21 57 | 1 36 | 22 2 | 1 11 | 20 0 | 0 55 | 7 5 | 0 15 | 21 23 | 0 26 | 16 16 | 1 39 | 21 5 | 0 6 | 12 17 | 1 52 | 23 0 | 15 35 | 22 2 | 22 13 | 10 51 | 14 49 | 5 52 |
| S 4 | 14 38 | 22 15 | 0 28 | 21 52 | 1 18 | 19 43 | 0 56 | 7 22 | 0 16 | 21 20 | 0 26 | 16 17 | 1 39 | 21 6 | 0 6 | 12 17 | 1 52 | 23 0 | 15 35 | 22 2 | 22 13 | 10 53 | 14 48 | 5 52 |
| M 5 | 14 19 | 21 21 | 0n43 | 21 39 | 1 24 | 19 26 | 0 58 | 7 38 | 0 16 | 21 18 | 0 26 | 16 19 | 1 39 | 21 6 | 0 6 | 12 17 | 1 52 | 23 1 | 15 35 | 22 2 | 22 14 | 10 55 | 14 47 | 5 52 |
| T 6 | 13 59 | 19 16 | 1 53 | 21 26 | 1 29 | 19 8 | 1 0 | 7 55 | 0 17 | 21 15 | 0 27 | 16 21 | 1 39 | 21 6 | 0 6 | 12 16 | 1 52 | 23 2 | 15 35 | 22 2 | 22 14 | 10 58 | 14 46 | 5 53 |
| W 7 | 13 39 | 16 2 | 2 59 | 21 11 | 1 35 | 18 50 | 1 2 | 8 11 | 0 18 | 21 13 | 0 27 | 16 22 | 1 40 | 21 6 | 0 6 | 12 16 | 1 53 | 23 3 | 15 35 | 22 3 | 22 15 | 11 0 | 14 45 | 5 53 |
| T 8 | 13 19 | 11 50 | 3 55 | 20 54 | 1 40 | 18 31 | 1 3 | 8 27 | 0 19 | 21 10 | 0 27 | 16 24 | 1 40 | 21 7 | 0 6 | 12 16 | 1 53 | 23 3 | 15 36 | 22 3 | 22 15 | 11 2 | 14 44 | 5 53 |
| F 9 | 12 59 | 6 56 | 4 38 | 20 37 | 1 44 | 18 11 | 1 5 | 8 43 | 0 19 | 21 8 | 0 27 | 16 25 | 1 40 | 21 7 | 0 6 | 12 16 | 1 53 | 23 4 | 15 36 | 22 4 | 22 15 | 11 5 | 14 43 | 5 53 |
| S 10 | 12 38 | 1 36 | 5 3 | 20 17 | 1 49 | 17 51 | 1 7 | 8 59 | 0 20 | 21 5 | 0 27 | 16 27 | 1 40 | 21 7 | 0 6 | 12 16 | 1 53 | 23 5 | 15 36 | 22 5 | 22 16 | 11 7 | 14 42 | 5 53 |
| S 11 | 12 17 | 3s50 | 5 10 | 19 57 | 1 53 | 17 31 | 1 8 | 9 15 | 0 21 | 21 3 | 0 27 | 16 29 | 1 40 | 21 7 | 0 6 | 12 16 | 1 53 | 23 6 | 15 36 | 22 6 | 22 16 | 11 9 | 14 41 | 5 53 |
| M12 | 11 57 | 9 3 | 4 57 | 19 35 | 1 56 | 17 10 | 1 10 | 9 31 | 0 22 | 21 0 | 0 27 | 16 30 | 1 40 | 21 8 | 0 6 | 12 16 | 1 53 | 23 7 | 15 36 | 22 6 | 22 17 | 11 12 | 14 40 | 5 54 |
| T 13 | 11 35 | 13 44 | 4 26 | 19 11 | 1 59 | 16 48 | 1 11 | 9 47 | 0 22 | 20 57 | 0 27 | 16 32 | 1 40 | 21 8 | 0 6 | 12 15 | 1 53 | 23 7 | 15 36 | 22 7 | 22 17 | 11 14 | 14 39 | 5 54 |
| W14 | 11 14 | 17 37 | 3 39 | 18 46 | 2 2 | 16 27 | 1 12 | 10 2 | 0 23 | 20 55 | 0 28 | 16 33 | 1 40 | 21 8 | 0 6 | 12 15 | 1 53 | 23 8 | 15 36 | 22 7 | 22 18 | 11 17 | 14 38 | 5 54 |
| T 15 | 10 53 | 20 26 | 2 40 | 18 20 | 2 4 | 16 4 | 1 14 | 10 18 | 0 24 | 20 52 | 0 28 | 16 35 | 1 40 | 21 8 | 0 6 | 12 15 | 1 53 | 23 9 | 15 37 | 22 7 | 22 18 | 11 19 | 14 36 | 5 54 |
| F 16 | 10 31 | 22 1 | 1 32 | 17 52 | 2 6 | 15 41 | 1 15 | 10 33 | 0 25 | 20 50 | 0 28 | 16 36 | 1 40 | 21 8 | 0 6 | 12 15 | 1 53 | 23 9 | 15 37 | 22 6 | 22 19 | 11 21 | 14 35 | 5 54 |
| S 17 | 10 9 | 22 16 | 0 19 | 17 22 | 2 8 | 15 18 | 1 16 | 10 49 | 0 25 | 20 47 | 0 28 | 16 38 | 1 40 | 21 8 | 0 6 | 12 15 | 1 53 | 23 10 | 15 37 | 22 6 | 22 19 | 11 24 | 14 34 | 5 55 |
| S 18 | 9 47 | 21 12 | 0s53 | 16 51 | 2 9 | 14 54 | 1 17 | 11 4 | 0 26 | 20 44 | 0 28 | 16 39 | 1 40 | 21 9 | 0 6 | 12 14 | 1 53 | 23 11 | 15 37 | 22 6 | 22 19 | 11 26 | 14 33 | 5 55 |
| M19 | 9 25 | 18 58 | 2 2 | 16 19 | 2 10 | 14 30 | 1 18 | 11 19 | 0 27 | 20 42 | 0 28 | 16 41 | 1 40 | 21 9 | 0 6 | 12 14 | 1 53 | 23 12 | 15 37 | 22 7 | 22 20 | 11 28 | 14 32 | 5 55 |
| T 20 | 9 3 | 15 47 | 3 3 | 15 45 | 2 10 | 14 6 | 1 19 | 11 35 | 0 27 | 20 39 | 0 28 | 16 42 | 1 40 | 21 9 | 0 6 | 12 14 | 1 53 | 23 12 | 15 37 | 22 7 | 22 20 | 11 31 | 14 31 | 5 55 |
| W21 | 8 41 | 11 53 | 3 53 | 15 10 | 2 10 | 13 41 | 1 20 | 11 50 | 0 28 | 20 36 | 0 29 | 16 44 | 1 40 | 21 9 | 0 6 | 12 14 | 1 53 | 23 13 | 15 37 | 22 8 | 22 21 | 11 33 | 14 30 | 5 56 |
| T 22 | 8 18 | 7 32 | 4 31 | 14 33 | 2 9 | 13 16 | 1 21 | 12 5 | 0 29 | 20 34 | 0 29 | 16 45 | 1 40 | 21 9 | 0 6 | 12 13 | 1 53 | 23 14 | 15 37 | 22 10 | 22 21 | 11 35 | 14 29 | 5 56 |
| F 23 | 7 56 | 2 56 | 4 55 | 13 54 | 2 8 | 12 50 | 1 22 | 12 19 | 0 29 | 20 31 | 0 29 | 16 47 | 1 40 | 21 9 | 0 5 | 12 13 | 1 53 | 23 14 | 15 37 | 22 11 | 22 22 | 11 38 | 14 28 | 5 56 |
| S 24 | 7 33 | 1n42 | 5 6 | 13 15 | 2 7 | 12 24 | 1 22 | 12 34 | 0 30 | 20 29 | 0 29 | 16 48 | 1 40 | 21 9 | 0 5 | 12 13 | 1 53 | 23 15 | 15 37 | 22 12 | 22 22 | 11 40 | 14 27 | 5 56 |
| S 25 | 7 10 | 6 13 | 5 2 | 12 33 | 2 5 | 11 58 | 1 23 | 12 49 | 0 30 | 20 26 | 0 29 | 16 49 | 1 40 | 21 9 | 0 5 | 12 13 | 1 54 | 23 16 | 15 37 | 22 14 | 22 22 | 11 42 | 14 26 | 5 57 |
| M26 | 6 47 | 10 26 | 4 45 | 11 51 | 2 2 | 11 31 | 1 24 | 13 3 | 0 31 | 20 23 | 0 29 | 16 51 | 1 40 | 21 9 | 0 5 | 12 12 | 1 54 | 23 16 | 15 37 | 22 15 | 22 23 | 11 45 | 14 25 | 5 57 |
| T 27 | 6 24 | 14 15 | 4 16 | 11 6 | 1 59 | 11 5 | 1 24 | 13 18 | 0 32 | 20 21 | 0 29 | 16 52 | 1 40 | 21 10 | 0 5 | 12 12 | 1 54 | 23 17 | 15 37 | 22 15 | 22 23 | 11 47 | 14 24 | 5 57 |
| W28 | 6s 1 | 17n30 | 3s36 | 10s21 | 1s55 | 10s37 | 1s25 | 13n32 | 0n32 | 20s18 | 0s30 | 16n53 | 1n40 | 21s10 | 0n 5 | 12s12 | 1n54 | 23n17 | 15n37 | 22n16 | 22n24 | 11n49 | 14s23 | 5n58 |

Julian Day Number = 2077938.5, Delta T = 26m20s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'02, Lahiri = 9°36'02 Julian Calendar 1 Feb. 977 == Greg. Calendar 6 Feb. 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## MARCH 977 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 55 23 | 15♓46'57 | 15♊49 | 10♓ 2 | 7♓22 | 5♉ 0 | 2♒13 | 18°R39 | 5♐ 0 | 7°R10 | 7°R17 | 18°D40 | 17♋39 | 14♉25 | 0♒20 | T 1 |
| F 2 | 10 59 19 | 16°46'26 | 27°53 | 11°57 | 8°37 | 5°40 | 2°25 | 18♌35 | 5° 0 | 7♏ 9 | 7♏15 | 18♋40 | 17°35 | 14°32 | 0°24 | F 2 |
| S 3 | 11 3 16 | 17°45'53 | 10♋13 | 13°54 | 9°52 | 6°20 | 2°37 | 18°31 | 5° 1 | 7° 8 | 7°13 | 18°41 | 17°32 | 14°39 | 0°28 | S 3 |
| S 4 | 11 7 12 | 18°45'17 | 22°52 | 15°51 | 11° 6 | 7° 0 | 2°49 | 18°27 | 5° 1 | 7° 8 | 7°12 | 18°R41 | 17°29 | 14°45 | 0°31 | S 4 |
| M 5 | 11 11 9 | 19°44'39 | 5♌55 | 17°50 | 12°20 | 7°41 | 3° 1 | 18°23 | 5°R 1 | 7° 7 | 7°10 | 18°40 | 17°26 | 14°52 | 0°35 | M 5 |
| T 6 | 11 15 5 | 20°43'59 | 19°24 | 19°50 | 13°35 | 8°21 | 3°13 | 18°20 | 5° 1 | 7° 6 | 7° 9 | 18°36 | 17°23 | 14°59 | 0°38 | T 6 |
| W 7 | 11 19 2 | 21°43'16 | 3♍19 | 21°51 | 14°49 | 9° 1 | 3°25 | 18°16 | 5° 0 | 7° 5 | 7° 7 | 18°30 | 17°19 | 15° 5 | 0°42 | W 7 |
| T 8 | 11 22 59 | 22°42'31 | 17°38 | 23°52 | 16° 4 | 9°41 | 3°36 | 18°12 | 5° 0 | 7° 4 | 7° 6 | 18°21 | 17°16 | 15°12 | 0°45 | T 8 |
| F 9 | 11 26 55 | 23°41'44 | 2♎16 | 25°55 | 17°18 | 10°21 | 3°48 | 18° 9 | 5° 0 | 7° 3 | 7° 4 | 18°12 | 17°13 | 15°19 | 0°48 | F 9 |
| S 10 | 11 30 52 | 24°40'55 | 17° 6 | 27°57 | 18°33 | 11° 1 | 3°59 | 18° 6 | 5° 0 | 7° 1 | 7° 3 | 18° 1 | 17°10 | 15°25 | 0°52 | S 10 |
| S 11 | 11 34 48 | 25°40'04 | 1♏57 | 0♈ 1 | 19°47 | 11°41 | 4°11 | 18° 2 | 5° 0 | 7° 0 | 7° 1 | 17°52 | 17° 7 | 15°32 | 0°55 | S 11 |
| M12 | 11 38 45 | 26°39'11 | 16°43 | 2° 4 | 21° 1 | 12°21 | 4°22 | 17°59 | 4°59 | 6°59 | 7° 0 | 17°45 | 17° 4 | 15°39 | 0°58 | M12 |
| T 13 | 11 42 41 | 27°38'16 | 1♐16 | 4° 8 | 22°16 | 13° 2 | 4°33 | 17°56 | 4°59 | 6°58 | 6°58 | 17°40 | 17° 0 | 15°46 | 1° 1 | T 13 |
| W14 | 11 46 38 | 28°37'19 | 15°33 | 6°11 | 23°30 | 13°41 | 4°44 | 17°53 | 4°58 | 6°57 | 6°57 | 17°37 | 16°57 | 15°52 | 1° 4 | W14 |
| T 15 | 11 50 34 | 29°36'21 | 29°31 | 8°14 | 24°45 | 14°21 | 4°55 | 17°50 | 4°58 | 6°56 | 6°55 | 17°D37 | 16°54 | 15°59 | 1° 7 | T 15 |
| F 16 | 11 54 31 | 0♈35'21 | 13♑11 | 10°16 | 25°59 | 15° 1 | 5° 6 | 17°47 | 4°57 | 6°55 | 6°54 | 17°R37 | 16°51 | 16° 6 | 1°10 | F 16 |
| S 17 | 11 58 27 | 1°34'19 | 26°34 | 12°16 | 27°13 | 15°41 | 5°17 | 17°44 | 4°57 | 6°53 | 6°52 | 17°37 | 16°48 | 16°12 | 1°13 | S 17 |
| S 18 | 12 2 24 | 2°33'16 | 9♒42 | 14°15 | 28°28 | 16°21 | 5°28 | 17°41 | 4°56 | 6°52 | 6°51 | 17°35 | 16°45 | 16°19 | 1°16 | S 18 |
| M19 | 12 6 21 | 3°32'10 | 22°37 | 16°13 | 29°42 | 17° 1 | 5°39 | 17°39 | 4°55 | 6°51 | 6°49 | 17°31 | 16°41 | 16°26 | 1°19 | M19 |
| T 20 | 12 10 17 | 4°31'03 | 5♓21 | 18° 7 | 0♈56 | 17°41 | 5°49 | 17°36 | 4°55 | 6°49 | 6°48 | 17°23 | 16°38 | 16°33 | 1°22 | T 20 |
| W21 | 12 14 14 | 5°29'53 | 17°54 | 19°59 | 2°10 | 18°21 | 6° 0 | 17°34 | 4°54 | 6°48 | 6°47 | 17°13 | 16°35 | 16°39 | 1°24 | W21 |
| T 22 | 12 18 10 | 6°28'42 | 0♈18 | 21°48 | 3°25 | 19° 0 | 6°10 | 17°31 | 4°53 | 6°47 | 6°45 | 17° 1 | 16°32 | 16°46 | 1°27 | T 22 |
| F 23 | 12 22 7 | 7°27'28 | 12°32 | 23°34 | 4°39 | 19°40 | 6°20 | 17°29 | 4°52 | 6°45 | 6°44 | 16°47 | 16°29 | 16°53 | 1°30 | F 23 |
| S 24 | 12 26 3 | 8°26'13 | 24°38 | 25°16 | 5°53 | 20°20 | 6°30 | 17°27 | 4°51 | 6°44 | 6°43 | 16°33 | 16°25 | 16°59 | 1°32 | S 24 |
| S 25 | 12 30 0 | 9°24'55 | 6♉37 | 26°54 | 7° 7 | 21° 0 | 6°40 | 17°25 | 4°50 | 6°43 | 6°41 | 16°20 | 16°22 | 17° 6 | 1°35 | S 25 |
| M26 | 12 33 56 | 10°23'36 | 18°29 | 28°28 | 8°22 | 21°39 | 6°50 | 17°23 | 4°49 | 6°41 | 6°40 | 16° 9 | 16°19 | 17°13 | 1°37 | M26 |
| T 27 | 12 37 53 | 11°22'14 | 0♊19 | 29°58 | 9°36 | 22°19 | 7° 0 | 17°21 | 4°48 | 6°40 | 6°39 | 16° 1 | 16°16 | 17°19 | 1°39 | T 27 |
| W28 | 12 41 50 | 12°20'50 | 12° 8 | 1♉23 | 10°50 | 22°59 | 7° 9 | 17°19 | 4°47 | 6°38 | 6°37 | 15°56 | 16°13 | 17°26 | 1°42 | W28 |
| T 29 | 12 45 46 | 13°19'24 | 24° 2 | 2°43 | 12° 4 | 23°38 | 7°19 | 17°18 | 4°45 | 6°37 | 6°36 | 15°53 | 16°10 | 17°33 | 1°44 | T 29 |
| F 30 | 12 49 43 | 14°17'56 | 6♋ 4 | 3°59 | 13°18 | 24°18 | 7°28 | 17°16 | 4°44 | 6°36 | 6°35 | 15°52 | 16° 6 | 17°40 | 1°46 | F 30 |
| S 31 | 12 53 39 | 15♈16'25 | 18♋21 | 5♉ 9 | 14♈33 | 24♉58 | 7♒38 | 17♌15 | 4♐43 | 6♏34 | 6♍34 | 15♋52 | 16♋ 3 | 17♉46 | 1♒48 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s38 | 20n 3 | 2s47 | 9s34 | 1s51 | 10s10 | 1s25 | 13n46 | 0n33 | 20s15 | 0s30 | 16n54 | 1n40 | 21s10 | 0n 5 | 12s11 | 1n54 | 23n18 | 15n37 | 22n16 | 22n24 | 11n52 | 14s22 | 5n58 |
| F 2 | 5 15 | 21 44 | 1 49 | 8 45 | 1 47 | 9 42 | 1 26 | 14 1 | 0 33 | 20 13 | 0 30 | 16 56 | 1 40 | 21 10 | 0 5 | 12 11 | 1 54 | 23 19 | 15 37 | 22 16 | 22 24 | 11 54 | 14 21 | 5 58 |
| S 3 | 4 52 | 22 25 | 0 45 | 7 55 | 1 41 | 9 14 | 1 26 | 14 15 | 0 34 | 20 10 | 0 30 | 16 57 | 1 40 | 21 10 | 0 5 | 12 11 | 1 54 | 23 19 | 15 37 | 22 16 | 22 25 | 11 56 | 14 20 | 5 58 |
| S 4 | 4 28 | 21 59 | 0n22 | 7 4 | 1 36 | 8 46 | 1 26 | 14 28 | 0 35 | 20 8 | 0 30 | 16 58 | 1 40 | 21 10 | 0 5 | 12 10 | 1 54 | 23 20 | 15 37 | 22 16 | 22 25 | 11 59 | 14 19 | 5 59 |
| M 5 | 4 5 | 20 22 | 1 31 | 6 12 | 1 29 | 8 18 | 1 26 | 14 42 | 0 35 | 20 5 | 0 30 | 16 59 | 1 40 | 21 10 | 0 5 | 12 10 | 1 54 | 23 20 | 15 37 | 22 16 | 22 26 | 12 1 | 14 18 | 5 59 |
| T 6 | 3 42 | 17 33 | 2 36 | 5 19 | 1 22 | 7 49 | 1 26 | 14 56 | 0 36 | 20 2 | 0 31 | 17 0 | 1 40 | 21 10 | 0 5 | 12 10 | 1 54 | 23 21 | 15 37 | 22 16 | 22 26 | 12 3 | 14 16 | 5 59 |
| W 7 | 3 18 | 13 40 | 3 34 | 4 24 | 1 15 | 7 20 | 1 26 | 15 9 | 0 36 | 20 0 | 0 31 | 17 1 | 1 40 | 21 10 | 0 5 | 12 9 | 1 54 | 23 22 | 15 37 | 22 17 | 22 27 | 12 6 | 14 15 | 6 0 |
| T 8 | 2 55 | 8 54 | 4 21 | 3 28 | 1 7 | 6 51 | 1 26 | 15 23 | 0 37 | 19 57 | 0 31 | 17 3 | 1 40 | 21 10 | 0 5 | 12 9 | 1 54 | 23 22 | 15 37 | 22 18 | 22 27 | 12 8 | 14 14 | 6 0 |
| F 9 | 2 31 | 3 32 | 4 51 | 2 32 | 0 59 | 6 22 | 1 26 | 15 36 | 0 37 | 19 55 | 0 31 | 17 4 | 1 40 | 21 10 | 0 5 | 12 9 | 1 54 | 23 23 | 15 37 | 22 20 | 22 27 | 12 10 | 14 13 | 6 0 |
| S 10 | 2 7 | 2s 6 | 5 3 | 1 35 | 0 50 | 5 52 | 1 26 | 15 49 | 0 38 | 19 52 | 0 31 | 17 5 | 1 40 | 21 10 | 0 5 | 12 8 | 1 54 | 23 23 | 15 37 | 22 21 | 22 28 | 12 13 | 14 12 | 6 1 |
| S 11 | 1 44 | 7 37 | 4 54 | 0 37 | 0 40 | 5 23 | 1 26 | 16 2 | 0 39 | 19 50 | 0 31 | 17 6 | 1 40 | 21 10 | 0 5 | 12 8 | 1 54 | 23 24 | 15 37 | 22 22 | 22 28 | 12 15 | 14 11 | 6 1 |
| M12 | 1 20 | 12 41 | 4 25 | 0n22 | 0 31 | 4 53 | 1 26 | 16 15 | 0 39 | 19 47 | 0 32 | 17 7 | 1 40 | 21 9 | 0 5 | 12 7 | 1 54 | 23 24 | 15 37 | 22 23 | 22 29 | 12 17 | 14 10 | 6 1 |
| T 13 | 0 57 | 16 56 | 3 40 | 1 21 | 0 20 | 4 23 | 1 25 | 16 28 | 0 40 | 19 45 | 0 32 | 17 8 | 1 40 | 21 9 | 0 5 | 12 7 | 1 54 | 23 25 | 15 36 | 22 24 | 22 29 | 12 20 | 14 9 | 6 2 |
| W14 | 0 33 | 20 6 | 2 41 | 2 19 | 0 10 | 3 53 | 1 25 | 16 40 | 0 40 | 19 42 | 0 32 | 17 8 | 1 40 | 21 9 | 0 5 | 12 6 | 1 54 | 23 25 | 15 36 | 22 24 | 22 29 | 12 22 | 14 8 | 6 2 |
| T 15 | 0 9 | 22 0 | 1 34 | 3 18 | 0n 1 | 3 23 | 1 24 | 16 53 | 0 41 | 19 39 | 0 32 | 17 9 | 1 40 | 21 9 | 0 5 | 12 6 | 1 54 | 23 25 | 15 36 | 22 24 | 22 30 | 12 24 | 14 7 | 6 2 |
| F 16 | 0n14 | 22 31 | 0 23 | 4 17 | 0 13 | 2 53 | 1 24 | 17 5 | 0 41 | 19 37 | 0 32 | 17 10 | 1 40 | 21 9 | 0 5 | 12 6 | 1 54 | 23 26 | 15 36 | 22 24 | 22 30 | 12 26 | 14 6 | 6 3 |
| S 17 | 0 38 | 21 44 | 0s47 | 5 15 | 0 24 | 2 23 | 1 23 | 17 17 | 0 42 | 19 35 | 0 32 | 17 11 | 1 40 | 21 9 | 0 5 | 12 5 | 1 54 | 23 26 | 15 36 | 22 24 | 22 31 | 12 29 | 14 6 | 6 3 |
| S 18 | 1 1 | 19 45 | 1 54 | 6 12 | 0 36 | 1 53 | 1 23 | 17 30 | 0 42 | 19 32 | 0 33 | 17 12 | 1 40 | 21 9 | 0 5 | 12 5 | 1 55 | 23 27 | 15 36 | 22 25 | 22 31 | 12 31 | 14 5 | 6 3 |
| M19 | 1 25 | 16 47 | 2 54 | 7 8 | 0 47 | 1 22 | 1 22 | 17 41 | 0 43 | 19 30 | 0 33 | 17 13 | 1 40 | 21 9 | 0 5 | 12 4 | 1 55 | 23 27 | 15 36 | 22 25 | 22 31 | 12 33 | 14 4 | 6 4 |
| T 20 | 1 48 | 13 4 | 3 44 | 8 3 | 0 59 | 0 52 | 1 21 | 17 53 | 0 43 | 19 27 | 0 33 | 17 13 | 1 40 | 21 9 | 0 5 | 12 4 | 1 55 | 23 27 | 15 35 | 22 26 | 22 32 | 12 36 | 14 3 | 6 4 |
| W21 | 2 12 | 8 50 | 4 22 | 8 56 | 1 10 | 0 21 | 1 20 | 18 5 | 0 44 | 19 25 | 0 33 | 17 14 | 1 40 | 21 9 | 0 5 | 12 3 | 1 55 | 23 28 | 15 35 | 22 27 | 22 32 | 12 38 | 14 2 | 6 4 |
| T 22 | 2 35 | 4 16 | 4 47 | 9 48 | 1 21 | 0n 9 | 1 19 | 18 16 | 0 44 | 19 22 | 0 33 | 17 15 | 1 40 | 21 8 | 0 5 | 12 3 | 1 55 | 23 28 | 15 35 | 22 29 | 22 33 | 12 40 | 14 1 | 6 5 |
| F 23 | 2 59 | 0n23 | 4 59 | 10 37 | 1 32 | 0 40 | 1 18 | 18 28 | 0 45 | 19 20 | 0 34 | 17 15 | 1 39 | 21 8 | 0 5 | 12 2 | 1 55 | 23 29 | 15 35 | 22 31 | 22 33 | 12 43 | 14 0 | 6 5 |
| S 24 | 3 22 | 4 59 | 4 57 | 11 25 | 1 43 | 1 10 | 1 17 | 18 39 | 0 45 | 19 18 | 0 34 | 17 16 | 1 39 | 21 8 | 0 5 | 12 2 | 1 55 | 23 29 | 15 35 | 22 32 | 22 33 | 12 45 | 13 59 | 6 6 |
| S 25 | 3 45 | 9 22 | 4 42 | 12 10 | 1 53 | 1 40 | 1 16 | 18 50 | 0 45 | 19 15 | 0 34 | 17 17 | 1 39 | 21 8 | 0 5 | 12 1 | 1 55 | 23 29 | 15 34 | 22 34 | 22 34 | 12 47 | 13 58 | 6 6 |
| M26 | 4 8 | 13 21 | 4 14 | 12 53 | 2 2 | 2 11 | 1 15 | 19 1 | 0 46 | 19 13 | 0 34 | 17 17 | 1 39 | 21 8 | 0 5 | 12 1 | 1 55 | 23 29 | 15 34 | 22 35 | 22 34 | 12 50 | 13 57 | 6 6 |
| T 27 | 4 31 | 16 49 | 3 36 | 13 34 | 2 11 | 2 41 | 1 14 | 19 12 | 0 46 | 19 11 | 0 34 | 17 18 | 1 39 | 21 7 | 0 5 | 12 0 | 1 55 | 23 30 | 15 34 | 22 36 | 22 34 | 12 52 | 13 56 | 6 7 |
| W28 | 4 54 | 19 36 | 2 48 | 14 12 | 2 19 | 3 12 | 1 13 | 19 22 | 0 47 | 19 8 | 0 34 | 17 18 | 1 39 | 21 7 | 0 5 | 12 0 | 1 55 | 23 30 | 15 34 | 22 37 | 22 35 | 12 54 | 13 55 | 6 7 |
| T 29 | 5 17 | 21 34 | 1 53 | 14 47 | 2 27 | 3 42 | 1 12 | 19 33 | 0 47 | 19 6 | 0 35 | 17 19 | 1 39 | 21 7 | 0 5 | 11 59 | 1 55 | 23 30 | 15 34 | 22 37 | 22 35 | 12 56 | 13 54 | 6 8 |
| F 30 | 5 40 | 22 34 | 0 52 | 15 19 | 2 34 | 4 12 | 1 10 | 19 43 | 0 48 | 19 4 | 0 35 | 17 19 | 1 39 | 21 7 | 0 5 | 11 59 | 1 55 | 23 31 | 15 33 | 22 37 | 22 36 | 12 59 | 13 54 | 6 8 |
| S 31 | 6n 3 | 22n31 | 0n13 | 15n49 | 2n39 | 4n42 | 1s 9 | 19n53 | 0n48 | 19s 2 | 0s35 | 17n19 | 1n39 | 21s 7 | 0n 5 | 11s58 | 1n55 | 23n31 | 15n33 | 22n37 | 22n36 | 13n 1 | 13s53 | 6n 8 |

Julian Day Number = 2077966.5, Delta T = 26m20s
Ecliptic obliquity = 23°34'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'06, Lahiri = 9°36'06 Julian Calendar 1 March 977 == Greg. Calendar 6 March 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## APRIL 977 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 57 36 | 16♈14'52 | 0♌57 | 6♉14 | 15♈47 | 25♉37 | 7♒47 | 17°R13 | 4°R42 | 6°R33 | 6°R33 | 15°R51 | 16♋ 0 | 17♉53 | 1♒50 | S 1 |
| M 2 | 13 1 32 | 17°13'17 | 13°57 | 7°14 | 17° 1 | 26°17 | 7°56 | 17♌12 | 4♐40 | 6♏31 | 6♏31 | 15♋50 | 15°57 | 18° 0 | 1°52 | M 2 |
| T 3 | 13 5 29 | 18°11'40 | 27°25 | 8° 8 | 18°15 | 26°56 | 8° 5 | 17°11 | 4°39 | 6°30 | 6°30 | 15°46 | 15°54 | 18° 6 | 1°54 | T 3 |
| W 4 | 13 9 25 | 19°10'01 | 11♍22 | 8°57 | 19°29 | 27°36 | 8°14 | 17°10 | 4°37 | 6°28 | 6°29 | 15°39 | 15°50 | 18°13 | 1°56 | W 4 |
| T 5 | 13 13 22 | 20° 8'20 | 25°49 | 9°41 | 20°43 | 28°15 | 8°22 | 17° 9 | 4°36 | 6°26 | 6°28 | 15°30 | 15°47 | 18°20 | 1°58 | T 5 |
| F 6 | 13 17 19 | 21° 6'36 | 10♎39 | 10°19 | 21°57 | 28°54 | 8°31 | 17° 8 | 4°34 | 6°25 | 6°27 | 15°20 | 15°44 | 18°26 | 2° 0 | F 6 |
| S 7 | 13 21 15 | 22° 4'51 | 25°45 | 10°52 | 23°11 | 29°34 | 8°39 | 17° 7 | 4°33 | 6°23 | 6°26 | 15° 8 | 15°41 | 18°33 | 2° 1 | S 7 |
| S 8 | 13 25 12 | 23° 3'04 | 10♏57 | 11°18 | 24°25 | 0♊13 | 8°47 | 17° 6 | 4°31 | 6°22 | 6°25 | 14°58 | 15°38 | 18°40 | 2° 3 | S 8 |
| M 9 | 13 29 8 | 24° 1'15 | 26° 4 | 11°40 | 25°39 | 0°52 | 8°56 | 17° 6 | 4°30 | 6°20 | 6°24 | 14°50 | 15°35 | 18°47 | 2° 5 | M 9 |
| T 10 | 13 33 5 | 24°59'24 | 10♐57 | 11°55 | 26°53 | 1°32 | 9° 4 | 17° 6 | 4°28 | 6°19 | 6°23 | 14°44 | 15°31 | 18°53 | 2° 6 | T 10 |
| W11 | 13 37 1 | 25°57'33 | 25°29 | 12° 5 | 28° 7 | 2°11 | 9°12 | 17° 5 | 4°26 | 6°17 | 6°22 | 14°41 | 15°28 | 19° 0 | 2° 8 | W11 |
| T 12 | 13 40 58 | 26°55'39 | 9♑37 | 12°R10 | 29°21 | 2°50 | 9°19 | 17° 5 | 4°25 | 6°15 | 6°21 | 14°D40 | 15°25 | 19° 7 | 2° 9 | T 12 |
| F 13 | 13 44 54 | 27°53'45 | 23°21 | 12°10 | 0♉35 | 3°30 | 9°27 | 17° 5 | 4°23 | 6°14 | 6°20 | 14°R40 | 15°22 | 19°13 | 2°10 | F 13 |
| S 14 | 13 48 51 | 28°51'48 | 6♒42 | 12° 4 | 1°49 | 4° 9 | 9°34 | 17°D 5 | 4°21 | 6°12 | 6°20 | 14°40 | 15°19 | 19°20 | 2°12 | S 14 |
| S 15 | 13 52 48 | 29°49'51 | 19°43 | 11°54 | 3° 3 | 4°48 | 9°42 | 17° 5 | 4°19 | 6°11 | 6°19 | 14°38 | 15°16 | 19°27 | 2°13 | S 15 |
| M16 | 13 56 44 | 0♉47'52 | 2♓27 | 11°38 | 4°17 | 5°27 | 9°49 | 17° 5 | 4°17 | 6° 9 | 6°18 | 14°35 | 15°12 | 19°33 | 2°14 | M16 |
| T 17 | 14 0 41 | 1°45'51 | 14°57 | 11°19 | 5°31 | 6° 6 | 9°56 | 17° 5 | 4°15 | 6° 7 | 6°17 | 14°28 | 15° 9 | 19°40 | 2°15 | T 17 |
| W18 | 14 4 37 | 2°43'49 | 27°17 | 10°56 | 6°44 | 6°45 | 10° 3 | 17° 6 | 4°13 | 6° 6 | 6°16 | 14°19 | 15° 6 | 19°47 | 2°16 | W18 |
| T 19 | 14 8 34 | 3°41'45 | 9♈27 | 10°29 | 7°58 | 7°25 | 10° 9 | 17° 6 | 4°11 | 6° 4 | 6°16 | 14° 8 | 15° 3 | 19°54 | 2°17 | T 19 |
| F 20 | 14 12 30 | 4°39'40 | 21°30 | 9°59 | 9°12 | 8° 4 | 10°16 | 17° 7 | 4° 9 | 6° 3 | 6°15 | 13°55 | 15° 0 | 20° 0 | 2°18 | F 20 |
| S 21 | 14 16 27 | 5°37'34 | 3♉28 | 9°27 | 10°26 | 8°43 | 10°22 | 17° 8 | 4° 7 | 6° 1 | 6°14 | 13°43 | 14°56 | 20° 7 | 2°18 | S 21 |
| S 22 | 14 20 23 | 6°35'26 | 15°21 | 8°53 | 11°40 | 9°22 | 10°28 | 17° 9 | 4° 5 | 5°59 | 6°14 | 13°31 | 14°53 | 20°14 | 2°19 | S 22 |
| M23 | 14 24 20 | 7°33'16 | 27°11 | 8°18 | 12°54 | 10° 1 | 10°35 | 17° 9 | 4° 3 | 5°58 | 6°13 | 13°21 | 14°50 | 20°20 | 2°20 | M23 |
| T 24 | 14 28 16 | 8°31'05 | 9♊ 0 | 7°43 | 14° 8 | 10°40 | 10°41 | 17°11 | 4° 1 | 5°56 | 6°13 | 13°13 | 14°47 | 20°27 | 2°20 | T 24 |
| W25 | 14 32 13 | 9°28'53 | 20°51 | 7° 7 | 15°21 | 11°19 | 10°46 | 17°12 | 3°59 | 5°54 | 6°12 | 13° 8 | 14°44 | 20°34 | 2°21 | W25 |
| T 26 | 14 36 10 | 10°26'38 | 2♋46 | 6°32 | 16°35 | 11°58 | 10°52 | 17°13 | 3°57 | 5°53 | 6°12 | 13° 6 | 14°41 | 20°40 | 2°21 | T 26 |
| F 27 | 14 40 6 | 11°24'23 | 14°49 | 5°59 | 17°49 | 12°37 | 10°57 | 17°14 | 3°54 | 5°51 | 6°11 | 13°D 5 | 14°37 | 20°47 | 2°22 | F 27 |
| S 28 | 14 44 3 | 12°22'05 | 27° 6 | 5°27 | 19° 3 | 13°16 | 11° 3 | 17°16 | 3°52 | 5°50 | 6°11 | 13° 6 | 14°34 | 20°54 | 2°22 | S 28 |
| S 29 | 14 47 59 | 13°19'46 | 9♌40 | 4°57 | 20°17 | 13°55 | 11° 8 | 17°17 | 3°50 | 5°48 | 6°10 | 13°R 6 | 14°31 | 21° 0 | 2°22 | S 29 |
| M30 | 14 51 56 | 14♉17'25 | 22♌36 | 4♉31 | 21♉30 | 14♊34 | 11♒13 | 17♌19 | 3♐48 | 5♏46 | 6♏10 | 13♋ 6 | 14♋28 | 21♉ 7 | 2♒22 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n25 | 21n20 | 1n19 | 16n15 | 2n44 | 5n12 | 1s 7 | 20n 3 | 0n48 | 19s 0 | 0s35 | 17n20 | 1n39 | 21s 6 | 0n 5 | 11s58 | 1n55 | 23n31 | 15n33 | 22n37 | 22n36 | 13n 3 | 13s52 | 6n 9 |
| M 2 | 6 48 | 19 0 | 2 23 | 16 39 | 2 48 | 5 42 | 1 6 | 20 13 | 0 49 | 18 57 | 0 35 | 17 20 | 1 39 | 21 6 | 0 5 | 11 57 | 1 55 | 23 31 | 15 33 | 22 38 | 22 37 | 13 6 | 13 51 | 6 9 |
| T 3 | 7 10 | 15 34 | 3 21 | 17 0 | 2 51 | 6 12 | 1 4 | 20 23 | 0 49 | 18 55 | 0 36 | 17 20 | 1 39 | 21 6 | 0 5 | 11 57 | 1 55 | 23 31 | 15 32 | 22 38 | 22 37 | 13 8 | 13 50 | 6 10 |
| W 4 | 7 33 | 11 10 | 4 9 | 17 18 | 2 53 | 6 42 | 1 3 | 20 32 | 0 50 | 18 53 | 0 36 | 17 20 | 1 39 | 21 6 | 0 5 | 11 56 | 1 55 | 23 32 | 15 32 | 22 39 | 22 38 | 13 10 | 13 49 | 6 10 |
| T 5 | 7 55 | 6 0 | 4 43 | 17 33 | 2 54 | 7 11 | 1 1 | 20 42 | 0 50 | 18 51 | 0 36 | 17 21 | 1 38 | 21 5 | 0 5 | 11 56 | 1 55 | 23 32 | 15 32 | 22 40 | 22 38 | 13 12 | 13 49 | 6 10 |
| F 6 | 8 17 | 0 21 | 4 59 | 17 45 | 2 54 | 7 41 | 0 59 | 20 51 | 0 50 | 18 49 | 0 36 | 17 21 | 1 38 | 21 5 | 0 5 | 11 55 | 1 55 | 23 32 | 15 31 | 22 41 | 22 38 | 13 15 | 13 48 | 6 11 |
| S 7 | 8 39 | 5s25 | 4 55 | 17 54 | 2 53 | 8 10 | 0 58 | 21 0 | 0 51 | 18 47 | 0 36 | 17 21 | 1 38 | 21 5 | 0 5 | 11 55 | 1 55 | 23 32 | 15 31 | 22 42 | 22 39 | 13 17 | 13 47 | 6 11 |
| S 8 | 9 1 | 10 54 | 4 31 | 18 0 | 2 50 | 8 39 | 0 56 | 21 9 | 0 51 | 18 45 | 0 37 | 17 21 | 1 38 | 21 5 | 0 5 | 11 54 | 1 55 | 23 32 | 15 31 | 22 44 | 22 39 | 13 19 | 13 46 | 6 12 |
| M 9 | 9 22 | 15 42 | 3 47 | 18 3 | 2 47 | 9 8 | 0 54 | 21 17 | 0 52 | 18 43 | 0 37 | 17 21 | 1 38 | 21 4 | 0 5 | 11 54 | 1 55 | 23 32 | 15 31 | 22 44 | 22 39 | 13 22 | 13 46 | 6 12 |
| T 10 | 9 44 | 19 26 | 2 48 | 18 3 | 2 42 | 9 36 | 0 52 | 21 26 | 0 52 | 18 41 | 0 37 | 17 21 | 1 38 | 21 4 | 0 5 | 11 53 | 1 55 | 23 32 | 15 30 | 22 45 | 22 40 | 13 24 | 13 45 | 6 13 |
| W11 | 10 5 | 21 50 | 1 40 | 18 1 | 2 35 | 10 5 | 0 50 | 21 34 | 0 52 | 18 39 | 0 37 | 17 21 | 1 38 | 21 4 | 0 5 | 11 53 | 1 55 | 23 32 | 15 30 | 22 45 | 22 40 | 13 26 | 13 44 | 6 13 |
| T 12 | 10 26 | 22 47 | 0 27 | 17 55 | 2 28 | 10 33 | 0 48 | 21 42 | 0 53 | 18 37 | 0 38 | 17 21 | 1 38 | 21 3 | 0 5 | 11 52 | 1 55 | 23 32 | 15 30 | 22 46 | 22 40 | 13 28 | 13 43 | 6 13 |
| F 13 | 10 47 | 22 18 | 0s46 | 17 47 | 2 19 | 11 1 | 0 46 | 21 50 | 0 53 | 18 36 | 0 38 | 17 21 | 1 38 | 21 3 | 0 5 | 11 52 | 1 55 | 23 32 | 15 29 | 22 46 | 22 41 | 13 31 | 13 43 | 6 14 |
| S 14 | 11 8 | 20 32 | 1 54 | 17 36 | 2 9 | 11 28 | 0 44 | 21 58 | 0 53 | 18 34 | 0 38 | 17 21 | 1 38 | 21 3 | 0 5 | 11 51 | 1 55 | 23 32 | 15 29 | 22 46 | 22 41 | 13 33 | 13 42 | 6 14 |
| S 15 | 11 28 | 17 44 | 2 54 | 17 22 | 1 58 | 11 56 | 0 42 | 22 6 | 0 54 | 18 32 | 0 38 | 17 21 | 1 38 | 21 2 | 0 5 | 11 51 | 1 55 | 23 32 | 15 29 | 22 46 | 22 42 | 13 35 | 13 41 | 6 15 |
| M16 | 11 49 | 14 9 | 3 45 | 17 5 | 1 46 | 12 23 | 0 40 | 22 13 | 0 54 | 18 30 | 0 38 | 17 21 | 1 37 | 21 2 | 0 5 | 11 50 | 1 55 | 23 32 | 15 28 | 22 46 | 22 42 | 13 37 | 13 41 | 6 15 |
| T 17 | 12 9 | 10 0 | 4 23 | 16 47 | 1 33 | 12 50 | 0 38 | 22 20 | 0 54 | 18 29 | 0 39 | 17 21 | 1 37 | 21 2 | 0 5 | 11 49 | 1 55 | 23 32 | 15 28 | 22 47 | 22 42 | 13 40 | 13 40 | 6 16 |
| W18 | 12 29 | 5 30 | 4 48 | 16 26 | 1 19 | 13 16 | 0 36 | 22 27 | 0 55 | 18 27 | 0 39 | 17 20 | 1 37 | 21 1 | 0 5 | 11 49 | 1 55 | 23 32 | 15 28 | 22 48 | 22 43 | 13 42 | 13 39 | 6 16 |
| T 19 | 12 49 | 0 50 | 5 0 | 16 3 | 1 4 | 13 43 | 0 34 | 22 34 | 0 55 | 18 25 | 0 39 | 17 20 | 1 37 | 21 1 | 0 5 | 11 48 | 1 55 | 23 32 | 15 27 | 22 49 | 22 43 | 13 44 | 13 39 | 6 16 |
| F 20 | 13 9 | 3n49 | 4 59 | 15 39 | 0 48 | 14 8 | 0 32 | 22 41 | 0 55 | 18 24 | 0 39 | 17 20 | 1 37 | 21 1 | 0 5 | 11 48 | 1 55 | 23 32 | 15 27 | 22 50 | 22 43 | 13 46 | 13 38 | 6 17 |
| S 21 | 13 28 | 8 17 | 4 44 | 15 13 | 0 32 | 14 34 | 0 30 | 22 48 | 0 56 | 18 22 | 0 40 | 17 20 | 1 37 | 21 0 | 0 5 | 11 47 | 1 55 | 23 32 | 15 26 | 22 52 | 22 44 | 13 49 | 13 37 | 6 17 |
| S 22 | 13 47 | 12 26 | 4 17 | 14 46 | 0 15 | 14 59 | 0 27 | 22 54 | 0 56 | 18 21 | 0 40 | 17 19 | 1 37 | 21 0 | 0 5 | 11 47 | 1 55 | 23 32 | 15 26 | 22 53 | 22 44 | 13 51 | 13 37 | 6 18 |
| M23 | 14 6 | 16 5 | 3 39 | 14 19 | 0s 3 | 15 24 | 0 25 | 23 0 | 0 56 | 18 19 | 0 40 | 17 19 | 1 37 | 20 59 | 0 5 | 11 46 | 1 55 | 23 32 | 15 26 | 22 54 | 22 44 | 13 53 | 13 36 | 6 18 |
| T 24 | 14 25 | 19 6 | 2 51 | 13 51 | 0 20 | 15 48 | 0 23 | 23 6 | 0 57 | 18 18 | 0 40 | 17 18 | 1 37 | 20 59 | 0 5 | 11 46 | 1 55 | 23 32 | 15 25 | 22 55 | 22 45 | 13 55 | 13 36 | 6 19 |
| W25 | 14 44 | 21 20 | 1 56 | 13 23 | 0 37 | 16 12 | 0 20 | 23 12 | 0 57 | 18 17 | 0 40 | 17 18 | 1 37 | 20 59 | 0 5 | 11 45 | 1 55 | 23 32 | 15 25 | 22 55 | 22 45 | 13 58 | 13 35 | 6 19 |
| T 26 | 15 2 | 22 38 | 0 55 | 12 55 | 0 54 | 16 36 | 0 18 | 23 18 | 0 57 | 18 15 | 0 41 | 17 18 | 1 37 | 20 58 | 0 5 | 11 45 | 1 55 | 23 32 | 15 25 | 22 55 | 22 45 | 14 0 | 13 35 | 6 19 |
| F 27 | 15 20 | 22 54 | 0n 9 | 12 28 | 1 11 | 16 59 | 0 16 | 23 23 | 0 58 | 18 14 | 0 41 | 17 17 | 1 36 | 20 58 | 0 5 | 11 44 | 1 55 | 23 31 | 15 24 | 22 55 | 22 46 | 14 2 | 13 34 | 6 20 |
| S 28 | 15 38 | 22 4 | 1 14 | 12 2 | 1 28 | 17 22 | 0 13 | 23 28 | 0 58 | 18 13 | 0 41 | 17 16 | 1 36 | 20 57 | 0 5 | 11 44 | 1 55 | 23 31 | 15 24 | 22 55 | 22 46 | 14 4 | 13 34 | 6 20 |
| S 29 | 15 56 | 20 8 | 2 17 | 11 37 | 1 43 | 17 44 | 0 11 | 23 33 | 0 58 | 18 12 | 0 41 | 17 16 | 1 36 | 20 57 | 0 5 | 11 43 | 1 55 | 23 31 | 15 23 | 22 55 | 22 47 | 14 7 | 13 33 | 6 21 |
| M30 | 16n13 | 17n 8 | 3n15 | 11n14 | 1s58 | 18n 6 | 0s 9 | 23n38 | 0n58 | 18s11 | 0s42 | 17n15 | 1n36 | 20s57 | 0n 5 | 11s43 | 1n55 | 23n31 | 15n23 | 22n55 | 22n47 | 14n 9 | 13s33 | 6n21 |

Julian Day Number = 2077997.5, Delta T = 26m19s
Ecliptic obliquity = 23°34'16, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'10, Lahiri = 9°36'11 Julian Calendar 1 Apr. 977 == Greg. Calendar 6 Apr. 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## MAY 977 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 55 52 | 15♉15'03 | 5♍59 | 4°R 7 | 22♉44 | 15♊12 | 11♒17 | 17♌21 | 3°R45 | 5°R45 | 6°R 9 | 13°R 4 | 14♋25 | 21♉14 | 2♒23 | T 1 |
| W 2 | 14 59 49 | 16°12'38 | 19°51 | 3♉47 | 23°58 | 15°51 | 11°22 | 17°23 | 3♐43 | 5♏43 | 6♍ 9 | 13♋ 0 | 14°22 | 21°21 | 2°R23 | W 2 |
| T 3 | 15 3 45 | 17°10'13 | 4♎11 | 3°31 | 25°11 | 16°30 | 11°26 | 17°25 | 3°41 | 5°41 | 6° 9 | 12°54 | 14°18 | 21°27 | 2°23 | T 3 |
| F 4 | 15 7 42 | 18° 7'46 | 18°58 | 3°19 | 26°25 | 17° 9 | 11°31 | 17°27 | 3°39 | 5°40 | 6° 9 | 12°47 | 14°15 | 21°34 | 2°22 | F 4 |
| S 5 | 15 11 39 | 19° 5'17 | 4♏ 5 | 3°11 | 27°39 | 17°48 | 11°35 | 17°29 | 3°36 | 5°38 | 6° 8 | 12°39 | 14°12 | 21°41 | 2°22 | S 5 |
| S 6 | 15 15 35 | 20° 2'47 | 19°22 | 3°D 8 | 28°52 | 18°27 | 11°39 | 17°31 | 3°34 | 5°37 | 6° 8 | 12°31 | 14° 9 | 21°47 | 2°22 | S 6 |
| M 7 | 15 19 32 | 21° 0'17 | 4♐38 | 3° 9 | 0♊ 6 | 19° 5 | 11°42 | 17°33 | 3°31 | 5°35 | 6° 8 | 12°25 | 14° 6 | 21°54 | 2°22 | M 7 |
| T 8 | 15 23 28 | 21°57'45 | 19°43 | 3°15 | 1°20 | 19°44 | 11°46 | 17°36 | 3°29 | 5°34 | 6° 8 | 12°21 | 14° 2 | 22° 1 | 2°21 | T 8 |
| W 9 | 15 27 25 | 22°55'12 | 4♑29 | 3°25 | 2°33 | 20°23 | 11°49 | 17°38 | 3°27 | 5°32 | 6° 8 | 12°19 | 13°59 | 22° 7 | 2°21 | W 9 |
| T 10 | 15 31 21 | 23°52'39 | 18°49 | 3°39 | 3°47 | 21° 1 | 11°53 | 17°41 | 3°24 | 5°31 | 6° 8 | 12°D19 | 13°56 | 22°14 | 2°21 | T 10 |
| F 11 | 15 35 18 | 24°50'04 | 2♒43 | 3°58 | 5° 1 | 21°40 | 11°56 | 17°44 | 3°22 | 5°29 | 6° 8 | 12°20 | 13°53 | 22°21 | 2°20 | F 11 |
| S 12 | 15 39 15 | 25°47'29 | 16°10 | 4°22 | 6°14 | 22°19 | 11°58 | 17°47 | 3°19 | 5°28 | 6°D 8 | 12°21 | 13°50 | 22°28 | 2°19 | S 12 |
| S 13 | 15 43 11 | 26°44'53 | 29°13 | 4°50 | 7°28 | 22°57 | 12° 1 | 17°50 | 3°17 | 5°26 | 6° 8 | 12°R21 | 13°47 | 22°34 | 2°19 | S 13 |
| M14 | 15 47 8 | 27°42'16 | 11♓56 | 5°21 | 8°41 | 23°36 | 12° 3 | 17°53 | 3°15 | 5°25 | 6° 8 | 12°20 | 13°43 | 22°41 | 2°18 | M14 |
| T 15 | 15 51 4 | 28°39'39 | 24°21 | 5°58 | 9°55 | 24°15 | 12° 6 | 17°56 | 3°12 | 5°23 | 6° 8 | 12°17 | 13°40 | 22°48 | 2°17 | T 15 |
| W16 | 15 55 1 | 29°37'01 | 6♈34 | 6°38 | 11° 9 | 24°53 | 12° 8 | 17°59 | 3°10 | 5°22 | 6° 8 | 12°13 | 13°37 | 22°54 | 2°16 | W16 |
| T 17 | 15 58 57 | 0♊34'22 | 18°36 | 7°22 | 12°22 | 25°32 | 12°10 | 18° 2 | 3° 7 | 5°20 | 6° 8 | 12° 6 | 13°34 | 23° 1 | 2°15 | T 17 |
| F 18 | 16 2 54 | 1°31'43 | 0♉33 | 8°10 | 13°36 | 26°10 | 12°11 | 18° 6 | 3° 5 | 5°19 | 6° 8 | 11°59 | 13°31 | 23° 8 | 2°14 | F 18 |
| S 19 | 16 6 50 | 2°29'03 | 12°25 | 9° 1 | 14°49 | 26°49 | 12°13 | 18° 9 | 3° 2 | 5°17 | 6° 8 | 11°52 | 13°27 | 23°14 | 2°13 | S 19 |
| S 20 | 16 10 47 | 3°26'22 | 24°15 | 9°56 | 16° 3 | 27°28 | 12°14 | 18°13 | 3° 0 | 5°16 | 6° 9 | 11°45 | 13°24 | 23°21 | 2°12 | S 20 |
| M21 | 16 14 43 | 4°23'41 | 6♊ 5 | 10°55 | 17°16 | 28° 6 | 12°15 | 18°16 | 2°57 | 5°15 | 6° 9 | 11°39 | 13°21 | 23°28 | 2°11 | M21 |
| T 22 | 16 18 40 | 5°20'59 | 17°56 | 11°58 | 18°30 | 28°45 | 12°16 | 18°20 | 2°55 | 5°13 | 6° 9 | 11°35 | 13°18 | 23°34 | 2°10 | T 22 |
| W23 | 16 22 37 | 6°18'17 | 29°52 | 13° 4 | 19°43 | 29°23 | 12°17 | 18°24 | 2°52 | 5°12 | 6°10 | 11°33 | 13°15 | 23°41 | 2° 8 | W23 |
| T 24 | 16 26 33 | 7°15'33 | 11♋54 | 14°13 | 20°57 | 0♋ 2 | 12°18 | 18°28 | 2°50 | 5°11 | 6°10 | 11°D32 | 13°12 | 23°48 | 2° 7 | T 24 |
| F 25 | 16 30 30 | 8°12'49 | 24° 4 | 15°25 | 22°10 | 0°40 | 12°18 | 18°32 | 2°47 | 5° 9 | 6°10 | 11°33 | 13° 8 | 23°55 | 2° 6 | F 25 |
| S 26 | 16 34 26 | 9°10'04 | 6♌27 | 16°41 | 23°24 | 1°19 | 12°R18 | 18°36 | 2°45 | 5° 8 | 6°11 | 11°34 | 13° 5 | 24° 1 | 2° 4 | S 26 |
| S 27 | 16 38 23 | 10° 7'18 | 19° 5 | 18° 1 | 24°37 | 1°57 | 12°18 | 18°40 | 2°43 | 5° 7 | 6°11 | 11°36 | 13° 2 | 24° 8 | 2° 3 | S 27 |
| M28 | 16 42 19 | 11° 4'32 | 2♍ 2 | 19°23 | 25°51 | 2°36 | 12°18 | 18°44 | 2°40 | 5° 5 | 6°12 | 11°37 | 12°59 | 24°15 | 2° 1 | M28 |
| T 29 | 16 46 16 | 12° 1'44 | 15°22 | 20°48 | 27° 4 | 3°14 | 12°18 | 18°48 | 2°38 | 5° 4 | 6°12 | 11°R37 | 12°56 | 24°21 | 1°59 | T 29 |
| W30 | 16 50 13 | 12°58'56 | 29° 6 | 22°17 | 28°18 | 3°52 | 12°17 | 18°53 | 2°35 | 5° 3 | 6°13 | 11°36 | 12°53 | 24°28 | 1°58 | W30 |
| T 31 | 16 54 9 | 13♊56'07 | 13♎16 | 23♉49 | 29♊31 | 4♋31 | 12♒16 | 18♌57 | 2♐33 | 5♏ 2 | 6♍13 | 11♋34 | 12♋49 | 24♉35 | 1♒56 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n30 | 13n 9 | 4n 4 | 10n53 | 2s13 | 18n27 | 0s 6 | 23n43 | 0n59 | 18s 9 | 0s42 | 17n15 | 1n36 | 20s56 | 0n 5 | 11s42 | 1n55 | 23n31 | 15n23 | 22n56 | 22n47 | 14n11 | 13s32 | 6n22 |
| W 2 | 16 47 | 8 21 | 4 41 | 10 34 | 2 26 | 18 48 | 0 4 | 23 48 | 0 59 | 18 8 | 0 42 | 17 14 | 1 36 | 20 56 | 0 5 | 11 41 | 1 55 | 23 30 | 15 22 | 22 56 | 22 48 | 14 13 | 13 32 | 6 22 |
| T 3 | 17 3 | 2 57 | 5 2 | 10 17 | 2 38 | 19 9 | 0 1 | 23 52 | 0 59 | 18 7 | 0 42 | 17 13 | 1 36 | 20 55 | 0 5 | 11 41 | 1 55 | 23 30 | 15 22 | 22 56 | 22 48 | 14 16 | 13 31 | 6 23 |
| F 4 | 17 19 | 2s47 | 5 4 | 10 2 | 2 50 | 19 29 | 0n 1 | 23 56 | 0 59 | 18 6 | 0 43 | 17 13 | 1 36 | 20 55 | 0 5 | 11 40 | 1 55 | 23 30 | 15 21 | 22 57 | 22 48 | 14 18 | 13 31 | 6 23 |
| S 5 | 17 35 | 8 29 | 4 45 | 9 50 | 3 0 | 19 48 | 0 3 | 24 0 | 1 0 | 18 6 | 0 43 | 17 12 | 1 36 | 20 54 | 0 5 | 11 40 | 1 55 | 23 29 | 15 21 | 22 58 | 22 49 | 14 20 | 13 31 | 6 23 |
| S 6 | 17 51 | 13 44 | 4 5 | 9 40 | 3 9 | 20 7 | 0 6 | 24 4 | 1 0 | 18 5 | 0 43 | 17 11 | 1 36 | 20 54 | 0 5 | 11 39 | 1 55 | 23 29 | 15 21 | 22 59 | 22 49 | 14 22 | 13 30 | 6 24 |
| M 7 | 18 6 | 18 6 | 3 8 | 9 33 | 3 17 | 20 25 | 0 8 | 24 7 | 1 0 | 18 4 | 0 43 | 17 10 | 1 35 | 20 54 | 0 5 | 11 39 | 1 55 | 23 29 | 15 20 | 22 59 | 22 49 | 14 25 | 13 30 | 6 24 |
| T 8 | 18 21 | 21 12 | 1 59 | 9 28 | 3 24 | 20 43 | 0 11 | 24 11 | 1 0 | 18 3 | 0 44 | 17 9 | 1 35 | 20 53 | 0 5 | 11 38 | 1 55 | 23 29 | 15 20 | 23 0 | 22 50 | 14 27 | 13 30 | 6 25 |
| W 9 | 18 36 | 22 48 | 0 42 | 9 26 | 3 30 | 21 0 | 0 13 | 24 14 | 1 1 | 18 2 | 0 44 | 17 8 | 1 35 | 20 53 | 0 5 | 11 38 | 1 55 | 23 28 | 15 19 | 23 0 | 22 50 | 14 29 | 13 29 | 6 25 |
| T 10 | 18 51 | 22 49 | 0s35 | 9 26 | 3 35 | 21 17 | 0 15 | 24 17 | 1 1 | 18 2 | 0 44 | 17 8 | 1 35 | 20 52 | 0 5 | 11 37 | 1 55 | 23 28 | 15 19 | 23 0 | 22 50 | 14 31 | 13 29 | 6 26 |
| F 11 | 19 5 | 21 25 | 1 48 | 9 29 | 3 38 | 21 33 | 0 18 | 24 20 | 1 1 | 18 1 | 0 44 | 17 7 | 1 35 | 20 52 | 0 5 | 11 37 | 1 55 | 23 27 | 15 18 | 23 0 | 22 51 | 14 33 | 13 29 | 6 26 |
| S 12 | 19 19 | 18 49 | 2 52 | 9 34 | 3 41 | 21 48 | 0 20 | 24 22 | 1 1 | 18 1 | 0 45 | 17 6 | 1 35 | 20 51 | 0 5 | 11 36 | 1 55 | 23 27 | 15 18 | 23 0 | 22 51 | 14 36 | 13 28 | 6 26 |
| S 13 | 19 32 | 15 20 | 3 46 | 9 42 | 3 43 | 22 3 | 0 23 | 24 25 | 1 2 | 18 0 | 0 45 | 17 5 | 1 35 | 20 51 | 0 5 | 11 36 | 1 55 | 23 27 | 15 18 | 23 0 | 22 51 | 14 38 | 13 28 | 6 27 |
| M14 | 19 45 | 11 14 | 4 27 | 9 52 | 3 44 | 22 17 | 0 25 | 24 27 | 1 2 | 18 0 | 0 45 | 17 4 | 1 35 | 20 50 | 0 5 | 11 36 | 1 55 | 23 26 | 15 17 | 23 0 | 22 52 | 14 40 | 13 28 | 6 27 |
| T 15 | 19 58 | 6 45 | 4 54 | 10 4 | 3 44 | 22 31 | 0 27 | 24 29 | 1 2 | 17 59 | 0 45 | 17 3 | 1 35 | 20 50 | 0 5 | 11 35 | 1 55 | 23 26 | 15 17 | 23 0 | 22 52 | 14 42 | 13 28 | 6 28 |
| W16 | 20 11 | 2 5 | 5 7 | 10 18 | 3 43 | 22 44 | 0 30 | 24 31 | 1 2 | 17 59 | 0 46 | 17 2 | 1 35 | 20 49 | 0 5 | 11 35 | 1 55 | 23 25 | 15 16 | 23 0 | 22 52 | 14 45 | 13 27 | 6 28 |
| T 17 | 20 23 | 2n36 | 5 7 | 10 34 | 3 41 | 22 56 | 0 32 | 24 32 | 1 3 | 17 59 | 0 46 | 17 0 | 1 35 | 20 49 | 0 5 | 11 34 | 1 55 | 23 25 | 15 16 | 23 1 | 22 53 | 14 47 | 13 27 | 6 28 |
| F 18 | 20 35 | 7 9 | 4 53 | 10 52 | 3 38 | 23 8 | 0 34 | 24 34 | 1 3 | 17 58 | 0 46 | 16 59 | 1 34 | 20 48 | 0 5 | 11 34 | 1 55 | 23 25 | 15 16 | 23 2 | 22 53 | 14 49 | 13 27 | 6 29 |
| S 19 | 20 46 | 11 25 | 4 27 | 11 12 | 3 35 | 23 19 | 0 37 | 24 35 | 1 3 | 17 58 | 0 47 | 16 58 | 1 34 | 20 48 | 0 5 | 11 33 | 1 55 | 23 24 | 15 15 | 23 2 | 22 53 | 14 51 | 13 27 | 6 29 |
| S 20 | 20 57 | 15 14 | 3 49 | 11 33 | 3 30 | 23 29 | 0 39 | 24 36 | 1 3 | 17 58 | 0 47 | 16 57 | 1 34 | 20 48 | 0 5 | 11 33 | 1 55 | 23 24 | 15 15 | 23 3 | 22 54 | 14 53 | 13 27 | 6 30 |
| M21 | 21 8 | 18 28 | 3 1 | 11 56 | 3 25 | 23 38 | 0 41 | 24 37 | 1 3 | 17 58 | 0 47 | 16 56 | 1 34 | 20 47 | 0 5 | 11 32 | 1 55 | 23 23 | 15 14 | 23 3 | 22 54 | 14 56 | 13 27 | 6 30 |
| T 22 | 21 19 | 20 57 | 2 5 | 12 20 | 3 20 | 23 47 | 0 43 | 24 37 | 1 4 | 17 58 | 0 47 | 16 54 | 1 34 | 20 47 | 0 5 | 11 32 | 1 55 | 23 23 | 15 14 | 23 4 | 22 54 | 14 58 | 13 26 | 6 30 |
| W23 | 21 29 | 22 31 | 1 3 | 12 46 | 3 14 | 23 56 | 0 46 | 24 38 | 1 4 | 17 58 | 0 48 | 16 53 | 1 34 | 20 46 | 0 5 | 11 32 | 1 55 | 23 22 | 15 13 | 23 4 | 22 54 | 15 0 | 13 26 | 6 31 |
| T 24 | 21 39 | 23 4 | 0n 2 | 13 13 | 3 7 | 24 3 | 0 48 | 24 38 | 1 4 | 17 58 | 0 48 | 16 52 | 1 34 | 20 46 | 0 5 | 11 31 | 1 55 | 23 22 | 15 13 | 23 4 | 22 55 | 15 2 | 13 26 | 6 31 |
| F 25 | 21 48 | 22 32 | 1 8 | 13 42 | 2 59 | 24 10 | 0 50 | 24 38 | 1 4 | 17 58 | 0 48 | 16 51 | 1 34 | 20 45 | 0 5 | 11 31 | 1 55 | 23 21 | 15 13 | 23 4 | 22 55 | 15 4 | 13 26 | 6 32 |
| S 26 | 21 57 | 20 54 | 2 12 | 14 11 | 2 51 | 24 16 | 0 52 | 24 38 | 1 4 | 17 59 | 0 48 | 16 49 | 1 34 | 20 45 | 0 5 | 11 30 | 1 55 | 23 20 | 15 12 | 23 4 | 22 55 | 15 6 | 13 26 | 6 32 |
| S 27 | 22 5 | 18 12 | 3 11 | 14 41 | 2 43 | 24 22 | 0 54 | 24 38 | 1 4 | 17 59 | 0 49 | 16 48 | 1 34 | 20 44 | 0 5 | 11 30 | 1 54 | 23 20 | 15 12 | 23 4 | 22 56 | 15 9 | 13 26 | 6 32 |
| M28 | 22 14 | 14 34 | 4 2 | 15 12 | 2 33 | 24 26 | 0 56 | 24 37 | 1 5 | 17 59 | 0 49 | 16 46 | 1 34 | 20 44 | 0 5 | 11 30 | 1 54 | 23 19 | 15 11 | 23 4 | 22 56 | 15 11 | 13 26 | 6 33 |
| T 29 | 22 21 | 10 7 | 4 42 | 15 44 | 2 24 | 24 30 | 0 58 | 24 37 | 1 5 | 17 59 | 0 49 | 16 45 | 1 34 | 20 43 | 0 5 | 11 29 | 1 54 | 23 19 | 15 11 | 23 4 | 22 56 | 15 13 | 13 26 | 6 33 |
| W30 | 22 29 | 5 2 | 5 6 | 16 17 | 2 14 | 24 34 | 1 0 | 24 36 | 1 5 | 18 0 | 0 49 | 16 44 | 1 33 | 20 43 | 0 5 | 11 29 | 1 54 | 23 18 | 15 10 | 23 4 | 22 57 | 15 15 | 13 26 | 6 33 |
| T 31 | 22n36 | 0s27 | 5n14 | 16n50 | 2s 4 | 24n36 | 1n 2 | 24n35 | 1n 5 | 18s 0 | 0s50 | 16n42 | 1n33 | 20s42 | 0n 5 | 11s29 | 1n54 | 23n18 | 15n10 | 23n 4 | 22n57 | 15n17 | 13s26 | 6n34 |

Julian Day Number = 2078027.5, Delta T = 26m19s
Ecliptic obliquity = 23°34'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'14, Lahiri = 9°36'15 Julian Calendar 1 May 977 == Greg. Calendar 6 May 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## JUNE 977 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 58 6 | 14♊53'17 | 27♎50 | 25♉24 | 0♋44 | 5♋ 9 | 12°R15 | 19♌ 2 | 2°R30 | 5°R 1 | 6♍14 | 11°R31 | 12♋46 | 24♉41 | 1°R54 | F 1 |
| S 2 | 17 2 2 | 15°50'27 | 12♏43 | 27° 2 | 1°58 | 5°48 | 12♒14 | 19° 7 | 2♐28 | 5♏ 0 | 6°15 | 11♋28 | 12°43 | 24°48 | 1♒52 | S 2 |
| S 3 | 17 5 59 | 16°47'37 | 27°49 | 28°43 | 3°11 | 6°26 | 12°13 | 19°11 | 2°26 | 4°58 | 6°15 | 11°24 | 12°40 | 24°55 | 1°50 | S 3 |
| M 4 | 17 9 55 | 17°44'46 | 12♐58 | 0♊27 | 4°25 | 7° 4 | 12°11 | 19°16 | 2°23 | 4°57 | 6°16 | 11°22 | 12°37 | 25° 1 | 1°48 | M 4 |
| T 5 | 17 13 52 | 18°41'54 | 28° 2 | 2°14 | 5°38 | 7°43 | 12°10 | 19°21 | 2°21 | 4°56 | 6°17 | 11°20 | 12°33 | 25° 8 | 1°46 | T 5 |
| W 6 | 17 17 48 | 19°39'03 | 12♑50 | 4° 3 | 6°51 | 8°21 | 12° 8 | 19°26 | 2°19 | 4°55 | 6°17 | 11°D20 | 12°30 | 25°15 | 1°44 | W 6 |
| T 7 | 17 21 45 | 20°36'12 | 27°17 | 5°56 | 8° 5 | 8°59 | 12° 6 | 19°31 | 2°16 | 4°54 | 6°18 | 11°20 | 12°27 | 25°21 | 1°42 | T 7 |
| F 8 | 17 25 42 | 21°33'20 | 11♒18 | 7°51 | 9°18 | 9°38 | 12° 3 | 19°36 | 2°14 | 4°53 | 6°19 | 11°22 | 12°24 | 25°28 | 1°40 | F 8 |
| S 9 | 17 29 38 | 22°30'29 | 24°53 | 9°48 | 10°31 | 10°16 | 12° 1 | 19°41 | 2°12 | 4°52 | 6°20 | 11°23 | 12°21 | 25°35 | 1°38 | S 9 |
| S 10 | 17 33 35 | 23°27'38 | 8♓ 2 | 11°48 | 11°45 | 10°54 | 11°58 | 19°46 | 2°10 | 4°51 | 6°21 | 11°24 | 12°18 | 25°42 | 1°35 | S 10 |
| M11 | 17 37 31 | 24°24'46 | 20°48 | 13°50 | 12°58 | 11°32 | 11°55 | 19°51 | 2° 7 | 4°50 | 6°22 | 11°R25 | 12°14 | 25°48 | 1°33 | M11 |
| T 12 | 17 41 28 | 25°21'56 | 3♈15 | 15°54 | 14°11 | 12°11 | 11°52 | 19°57 | 2° 5 | 4°49 | 6°23 | 11°24 | 12°11 | 25°55 | 1°31 | T 12 |
| W13 | 17 45 24 | 26°19'05 | 15°26 | 18° 0 | 15°24 | 12°49 | 11°49 | 20° 2 | 2° 3 | 4°49 | 6°24 | 11°24 | 12° 8 | 26° 2 | 1°28 | W13 |
| T 14 | 17 49 21 | 27°16'15 | 27°27 | 20° 7 | 16°38 | 13°27 | 11°46 | 20° 8 | 2° 1 | 4°48 | 6°25 | 11°22 | 12° 5 | 26° 8 | 1°26 | T 14 |
| F 15 | 17 53 17 | 28°13'25 | 9♉20 | 22°15 | 17°51 | 14° 5 | 11°42 | 20°13 | 1°59 | 4°47 | 6°26 | 11°20 | 12° 2 | 26°15 | 1°23 | F 15 |
| S 16 | 17 57 14 | 29°10'35 | 21°10 | 24°24 | 19° 4 | 14°44 | 11°38 | 20°19 | 1°57 | 4°46 | 6°27 | 11°19 | 11°59 | 26°22 | 1°21 | S 16 |
| S 17 | 18 1 11 | 0♋ 7'46 | 3♊ 0 | 26°34 | 20°17 | 15°22 | 11°34 | 20°25 | 1°55 | 4°45 | 6°28 | 11°17 | 11°55 | 26°28 | 1°18 | S 17 |
| M18 | 18 5 7 | 1° 4'57 | 14°52 | 28°44 | 21°31 | 16° 0 | 11°30 | 20°30 | 1°53 | 4°45 | 6°29 | 11°16 | 11°52 | 26°35 | 1°15 | M18 |
| T 19 | 18 9 4 | 2° 2'08 | 26°50 | 0♋53 | 22°44 | 16°38 | 11°26 | 20°36 | 1°50 | 4°44 | 6°30 | 11°15 | 11°49 | 26°42 | 1°13 | T 19 |
| W20 | 18 13 0 | 2°59'19 | 8♋55 | 3° 3 | 23°57 | 17°17 | 11°22 | 20°42 | 1°48 | 4°43 | 6°31 | 11°D15 | 11°46 | 26°48 | 1°10 | W20 |
| T 21 | 18 16 57 | 3°56'31 | 21° 8 | 5°12 | 25°10 | 17°55 | 11°17 | 20°48 | 1°47 | 4°43 | 6°32 | 11°15 | 11°43 | 26°55 | 1° 7 | T 21 |
| F 22 | 18 20 53 | 4°53'43 | 3♌33 | 7°20 | 26°23 | 18°33 | 11°12 | 20°54 | 1°45 | 4°42 | 6°34 | 11°15 | 11°39 | 27° 2 | 1° 4 | F 22 |
| S 23 | 18 24 50 | 5°50'55 | 16° 9 | 9°27 | 27°37 | 19°11 | 11° 7 | 21° 0 | 1°43 | 4°41 | 6°35 | 11°16 | 11°36 | 27° 8 | 1° 2 | S 23 |
| S 24 | 18 28 46 | 6°48'08 | 29° 0 | 11°33 | 28°50 | 19°50 | 11° 2 | 21° 6 | 1°41 | 4°41 | 6°36 | 11°16 | 11°33 | 27°15 | 0°59 | S 24 |
| M25 | 18 32 43 | 7°45'20 | 12♍ 7 | 13°38 | 0♌ 3 | 20°28 | 10°57 | 21°12 | 1°39 | 4°40 | 6°38 | 11°17 | 11°30 | 27°22 | 0°56 | M25 |
| T 26 | 18 36 40 | 8°42'33 | 25°31 | 15°41 | 1°16 | 21° 6 | 10°51 | 21°18 | 1°37 | 4°40 | 6°39 | 11°17 | 11°27 | 27°29 | 0°53 | T 26 |
| W27 | 18 40 36 | 9°39'45 | 9♎13 | 17°43 | 2°29 | 21°44 | 10°46 | 21°24 | 1°35 | 4°39 | 6°40 | 11°R17 | 11°24 | 27°35 | 0°50 | W27 |
| T 28 | 18 44 33 | 10°36'58 | 23°14 | 19°43 | 3°42 | 22°22 | 10°40 | 21°31 | 1°34 | 4°39 | 6°42 | 11°17 | 11°20 | 27°42 | 0°47 | T 28 |
| F 29 | 18 48 29 | 11°34'11 | 7♏33 | 21°42 | 4°55 | 23° 0 | 10°34 | 21°37 | 1°32 | 4°38 | 6°43 | 11°D17 | 11°17 | 27°49 | 0°44 | F 29 |
| S 30 | 18 52 26 | 12♋31'25 | 22♏ 7 | 23♋39 | 6♌ 8 | 23♋39 | 10♒29 | 21♌43 | 1♐30 | 4♏38 | 6♍44 | 11♋17 | 11♋14 | 27♉55 | 0♒41 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n43 | 6s 4 | 5n 1 | 17n23 | 1s53 | 24n38 | 1n 4 | 24n33 | 1n 5 | 18s 1 | 0s50 | 16n41 | 1n33 | 20s42 | 0n 5 | 11s28 | 1n54 | 23n17 | 15n10 | 23n 4 | 22n57 | 15n20 | 13s26 | 6n34 |
| S 2 | 22 49 | 11 29 | 4 28 | 17 57 | 1 42 | 24 39 | 1 6 | 24 32 | 1 5 | 18 1 | 0 50 | 16 39 | 1 33 | 20 41 | 0 5 | 11 28 | 1 54 | 23 16 | 15 9 | 23 4 | 22 58 | 15 22 | 13 26 | 6 35 |
| S 3 | 22 55 | 16 16 | 3 37 | 18 30 | 1 31 | 24 40 | 1 8 | 24 30 | 1 6 | 18 2 | 0 50 | 16 37 | 1 33 | 20 41 | 0 5 | 11 27 | 1 54 | 23 16 | 15 9 | 23 5 | 22 58 | 15 24 | 13 26 | 6 35 |
| M 4 | 23 0 | 20 0 | 2 30 | 19 4 | 1 20 | 24 39 | 1 9 | 24 29 | 1 6 | 18 3 | 0 51 | 16 36 | 1 33 | 20 41 | 0 5 | 11 27 | 1 54 | 23 15 | 15 8 | 23 5 | 22 58 | 15 26 | 13 27 | 6 35 |
| T 5 | 23 5 | 22 21 | 1 13 | 19 37 | 1 8 | 24 38 | 1 11 | 24 27 | 1 6 | 18 4 | 0 51 | 16 34 | 1 33 | 20 40 | 0 5 | 11 27 | 1 54 | 23 14 | 15 8 | 23 5 | 22 58 | 15 28 | 13 27 | 6 36 |
| W 6 | 23 10 | 23 5 | 0s 8 | 20 9 | 0 56 | 24 36 | 1 13 | 24 24 | 1 6 | 18 4 | 0 51 | 16 33 | 1 33 | 20 40 | 0 5 | 11 27 | 1 54 | 23 14 | 15 8 | 23 5 | 22 59 | 15 30 | 13 27 | 6 36 |
| T 7 | 23 14 | 22 14 | 1 27 | 20 41 | 0 44 | 24 34 | 1 14 | 24 22 | 1 6 | 18 5 | 0 52 | 16 31 | 1 33 | 20 39 | 0 5 | 11 26 | 1 54 | 23 13 | 15 7 | 23 5 | 22 59 | 15 33 | 13 27 | 6 36 |
| F 8 | 23 18 | 20 1 | 2 38 | 21 12 | 0 33 | 24 30 | 1 16 | 24 19 | 1 6 | 18 6 | 0 52 | 16 29 | 1 33 | 20 39 | 0 5 | 11 26 | 1 54 | 23 12 | 15 7 | 23 5 | 22 59 | 15 35 | 13 27 | 6 36 |
| S 9 | 23 21 | 16 43 | 3 38 | 21 42 | 0 21 | 24 26 | 1 18 | 24 17 | 1 6 | 18 7 | 0 52 | 16 28 | 1 33 | 20 38 | 0 5 | 11 26 | 1 54 | 23 12 | 15 6 | 23 5 | 23 0 | 15 37 | 13 27 | 6 37 |
| S 10 | 23 25 | 12 41 | 4 24 | 22 10 | 0 10 | 24 22 | 1 19 | 24 14 | 1 7 | 18 8 | 0 52 | 16 26 | 1 33 | 20 38 | 0 5 | 11 25 | 1 54 | 23 11 | 15 6 | 23 5 | 23 0 | 15 39 | 13 28 | 6 37 |
| M11 | 23 27 | 8 11 | 4 56 | 22 37 | 0n 2 | 24 16 | 1 20 | 24 10 | 1 7 | 18 9 | 0 53 | 16 24 | 1 33 | 20 37 | 0 5 | 11 25 | 1 54 | 23 10 | 15 6 | 23 5 | 23 0 | 15 41 | 13 28 | 6 37 |
| T 12 | 23 29 | 3 29 | 5 13 | 23 2 | 0 13 | 24 10 | 1 22 | 24 7 | 1 7 | 18 10 | 0 53 | 16 22 | 1 33 | 20 37 | 0 5 | 11 25 | 1 54 | 23 9 | 15 5 | 23 5 | 23 1 | 15 43 | 13 28 | 6 38 |
| W13 | 23 31 | 1n16 | 5 15 | 23 25 | 0 23 | 24 3 | 1 23 | 24 4 | 1 7 | 18 11 | 0 53 | 16 21 | 1 33 | 20 37 | 0 5 | 11 25 | 1 54 | 23 9 | 15 5 | 23 5 | 23 1 | 15 45 | 13 28 | 6 38 |
| T 14 | 23 33 | 5 54 | 5 4 | 23 46 | 0 34 | 23 55 | 1 24 | 24 0 | 1 7 | 18 13 | 0 53 | 16 19 | 1 32 | 20 36 | 0 5 | 11 24 | 1 54 | 23 8 | 15 4 | 23 5 | 23 1 | 15 48 | 13 28 | 6 38 |
| F 15 | 23 34 | 10 16 | 4 39 | 24 4 | 0 43 | 23 47 | 1 26 | 23 56 | 1 7 | 18 14 | 0 54 | 16 17 | 1 32 | 20 36 | 0 5 | 11 24 | 1 54 | 23 7 | 15 4 | 23 5 | 23 1 | 15 50 | 13 29 | 6 38 |
| S 16 | 23 34 | 14 14 | 4 3 | 24 20 | 0 53 | 23 38 | 1 27 | 23 52 | 1 7 | 18 15 | 0 54 | 16 15 | 1 32 | 20 35 | 0 5 | 11 24 | 1 54 | 23 6 | 15 4 | 23 5 | 23 2 | 15 52 | 13 29 | 6 39 |
| S 17 | 23 34 | 17 40 | 3 16 | 24 33 | 1 1 | 23 28 | 1 28 | 23 48 | 1 7 | 18 16 | 0 54 | 16 13 | 1 32 | 20 35 | 0 5 | 11 24 | 1 53 | 23 6 | 15 3 | 23 5 | 23 2 | 15 54 | 13 29 | 6 39 |
| M18 | 23 34 | 20 22 | 2 21 | 24 43 | 1 9 | 23 18 | 1 29 | 23 43 | 1 8 | 18 18 | 0 54 | 16 11 | 1 32 | 20 35 | 0 5 | 11 24 | 1 53 | 23 5 | 15 3 | 23 5 | 23 2 | 15 56 | 13 30 | 6 39 |
| T 19 | 23 33 | 22 13 | 1 19 | 24 51 | 1 17 | 23 7 | 1 30 | 23 39 | 1 8 | 18 19 | 0 55 | 16 10 | 1 32 | 20 34 | 0 5 | 11 23 | 1 53 | 23 4 | 15 2 | 23 6 | 23 3 | 15 58 | 13 30 | 6 39 |
| W20 | 23 32 | 23 3 | 0 13 | 24 55 | 1 23 | 22 55 | 1 31 | 23 34 | 1 8 | 18 21 | 0 55 | 16 8 | 1 32 | 20 34 | 0 5 | 11 23 | 1 53 | 23 3 | 15 2 | 23 6 | 23 3 | 16 0 | 13 30 | 6 40 |
| T 21 | 23 31 | 22 48 | 0n55 | 24 57 | 1 29 | 22 43 | 1 31 | 23 29 | 1 8 | 18 22 | 0 55 | 16 6 | 1 32 | 20 33 | 0 5 | 11 23 | 1 53 | 23 3 | 15 2 | 23 6 | 23 3 | 16 3 | 13 31 | 6 40 |
| F 22 | 23 29 | 21 25 | 2 1 | 24 56 | 1 34 | 22 30 | 1 32 | 23 24 | 1 8 | 18 24 | 0 55 | 16 4 | 1 32 | 20 33 | 0 5 | 11 23 | 1 53 | 23 2 | 15 1 | 23 5 | 23 3 | 16 5 | 13 31 | 6 40 |
| S 23 | 23 26 | 18 58 | 3 2 | 24 53 | 1 39 | 22 16 | 1 33 | 23 19 | 1 8 | 18 25 | 0 56 | 16 2 | 1 32 | 20 33 | 0 5 | 11 23 | 1 53 | 23 1 | 15 1 | 23 5 | 23 4 | 16 7 | 13 31 | 6 40 |
| S 24 | 23 24 | 15 33 | 3 55 | 24 46 | 1 43 | 22 2 | 1 33 | 23 13 | 1 8 | 18 27 | 0 56 | 16 0 | 1 32 | 20 32 | 0 5 | 11 23 | 1 53 | 23 0 | 15 1 | 23 5 | 23 4 | 16 9 | 13 32 | 6 41 |
| M25 | 23 21 | 11 19 | 4 37 | 24 37 | 1 46 | 21 47 | 1 34 | 23 8 | 1 8 | 18 29 | 0 56 | 15 58 | 1 32 | 20 32 | 0 5 | 11 22 | 1 53 | 22 59 | 15 0 | 23 5 | 23 4 | 16 11 | 13 32 | 6 41 |
| T 26 | 23 17 | 6 28 | 5 6 | 24 26 | 1 48 | 21 31 | 1 34 | 23 2 | 1 8 | 18 30 | 0 56 | 15 56 | 1 32 | 20 32 | 0 4 | 11 22 | 1 53 | 22 58 | 15 0 | 23 5 | 23 4 | 16 13 | 13 33 | 6 41 |
| W27 | 23 13 | 1 11 | 5 17 | 24 12 | 1 49 | 21 15 | 1 35 | 22 56 | 1 8 | 18 32 | 0 57 | 15 54 | 1 32 | 20 31 | 0 4 | 11 22 | 1 53 | 22 58 | 15 0 | 23 5 | 23 5 | 16 15 | 13 33 | 6 41 |
| T 28 | 23 9 | 4s16 | 5 11 | 23 56 | 1 50 | 20 58 | 1 35 | 22 50 | 1 8 | 18 34 | 0 57 | 15 52 | 1 32 | 20 31 | 0 4 | 11 22 | 1 53 | 22 57 | 14 59 | 23 5 | 23 5 | 16 17 | 13 34 | 6 41 |
| F 29 | 23 4 | 9 37 | 4 45 | 23 37 | 1 50 | 20 41 | 1 36 | 22 43 | 1 8 | 18 36 | 0 57 | 15 49 | 1 32 | 20 31 | 0 4 | 11 22 | 1 53 | 22 56 | 14 59 | 23 5 | 23 5 | 16 20 | 13 34 | 6 41 |
| S 30 | 22n59 | 14s31 | 4n 0 | 23n17 | 1n50 | 20n23 | 1n36 | 22n37 | 1n 9 | 18s38 | 0s57 | 15n47 | 1n32 | 20s30 | 0n 4 | 11s22 | 1n53 | 22n55 | 14n59 | 23n 5 | 23n 6 | 16n22 | 13s34 | 6n42 |

Julian Day Number = 2078058.5, Delta T = 26m18s
Ecliptic obliquity = 23°34'16, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'18, Lahiri = 9°36'19 Julian Calendar 1 June 977 == Greg. Calendar 6 June 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## JULY 977 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 56 22 | 13♋28'39 | 6♐51 | 25♋34 | 7♌21 | 24♋17 | 10°R22 | 21♌50 | 1°R29 | 4°R38 | 6♍46 | 11♋17 | 11♋11 | 28♉ 2 | 0°R38 | S 1 |
| M 2 | 19 0 19 | 14°25'53 | 21°40 | 27°28 | 8°34 | 24°55 | 10♒16 | 21°56 | 1♐27 | 4♏37 | 6°47 | 11°17 | 11° 8 | 28° 9 | 0♒35 | M 2 |
| T 3 | 19 4 15 | 15°23'08 | 6♑27 | 29°20 | 9°47 | 25°33 | 10°10 | 22° 3 | 1°26 | 4°37 | 6°49 | 11°R17 | 11° 5 | 28°15 | 0°32 | T 3 |
| W 4 | 19 8 12 | 16°20'24 | 21° 4 | 1♌10 | 11° 0 | 26°11 | 10° 3 | 22° 9 | 1°24 | 4°37 | 6°50 | 11°17 | 11° 1 | 28°22 | 0°29 | W 4 |
| T 5 | 19 12 9 | 17°17'40 | 5♒26 | 2°58 | 12°13 | 26°49 | 9°57 | 22°16 | 1°23 | 4°37 | 6°52 | 11°17 | 10°58 | 28°29 | 0°26 | T 5 |
| F 6 | 19 16 5 | 18°14'57 | 19°27 | 4°45 | 13°26 | 27°28 | 9°50 | 22°23 | 1°21 | 4°36 | 6°53 | 11°16 | 10°55 | 28°35 | 0°23 | F 6 |
| S 7 | 19 20 2 | 19°12'15 | 3♓ 4 | 6°30 | 14°39 | 28° 6 | 9°43 | 22°29 | 1°20 | 4°36 | 6°55 | 11°15 | 10°52 | 28°42 | 0°19 | S 7 |
| S 8 | 19 23 58 | 20° 9'34 | 16°17 | 8°13 | 15°52 | 28°44 | 9°37 | 22°36 | 1°18 | 4°36 | 6°57 | 11°14 | 10°49 | 28°49 | 0°16 | S 8 |
| M 9 | 19 27 55 | 21° 6'54 | 29° 7 | 9°55 | 17° 5 | 29°22 | 9°30 | 22°43 | 1°17 | 4°36 | 6°58 | 11°14 | 10°45 | 28°55 | 0°13 | M 9 |
| T 10 | 19 31 51 | 22° 4'15 | 11♈36 | 11°35 | 18°18 | 0♌ 0 | 9°22 | 22°50 | 1°16 | 4°36 | 7° 0 | 11°13 | 10°42 | 29° 2 | 0°10 | T 10 |
| W11 | 19 35 48 | 23° 1'37 | 23°49 | 13°13 | 19°30 | 0°38 | 9°15 | 22°57 | 1°15 | 4°36 | 7° 2 | 11°D13 | 10°39 | 29° 9 | 0° 7 | W11 |
| T 12 | 19 39 44 | 23°59'00 | 5♉50 | 14°49 | 20°43 | 1°16 | 9° 8 | 23° 4 | 1°13 | 4°D36 | 7° 3 | 11°13 | 10°36 | 29°15 | 0° 3 | T 12 |
| F 13 | 19 43 41 | 24°56'25 | 17°43 | 16°24 | 21°56 | 1°55 | 9° 1 | 23°10 | 1°12 | 4°36 | 7° 5 | 11°14 | 10°33 | 29°22 | 0° 0 | F 13 |
| S 14 | 19 47 38 | 25°53'51 | 29°33 | 17°57 | 23° 9 | 2°33 | 8°53 | 23°17 | 1°11 | 4°36 | 7° 7 | 11°15 | 10°30 | 29°29 | 29♑57 | S 14 |
| S 15 | 19 51 34 | 26°51'18 | 11♊24 | 19°28 | 24°21 | 3°11 | 8°46 | 23°24 | 1°10 | 4°36 | 7° 9 | 11°16 | 10°26 | 29°35 | 29°54 | S 15 |
| M16 | 19 55 31 | 27°48'47 | 23°20 | 20°58 | 25°34 | 3°49 | 8°38 | 23°31 | 1° 9 | 4°36 | 7°10 | 11°18 | 10°23 | 29°42 | 29°50 | M16 |
| T 17 | 19 59 27 | 28°46'17 | 5♋25 | 22°26 | 26°47 | 4°27 | 8°31 | 23°39 | 1° 8 | 4°36 | 7°12 | 11°R18 | 10°20 | 29°49 | 29°47 | T 17 |
| W18 | 20 3 24 | 29°43'47 | 17°41 | 23°52 | 28° 0 | 5° 5 | 8°23 | 23°46 | 1° 7 | 4°36 | 7°14 | 11°18 | 10°17 | 29°56 | 29°44 | W18 |
| T 19 | 20 7 20 | 0♌41'20 | 0♌10 | 25°16 | 29°12 | 5°43 | 8°15 | 23°53 | 1° 6 | 4°37 | 7°16 | 11°17 | 10°14 | 0♊ 2 | 29°41 | T 19 |
| F 20 | 20 11 17 | 1°38'53 | 12°53 | 26°39 | 0♍25 | 6°22 | 8° 8 | 24° 0 | 1° 6 | 4°37 | 7°18 | 11°15 | 10°11 | 0° 9 | 29°38 | F 20 |
| S 21 | 20 15 14 | 2°36'27 | 25°51 | 28° 0 | 1°38 | 7° 0 | 8° 0 | 24° 7 | 1° 5 | 4°37 | 7°19 | 11°13 | 10° 7 | 0°16 | 29°34 | S 21 |
| S 22 | 20 19 10 | 3°34'03 | 9♍ 2 | 29°19 | 2°50 | 7°38 | 7°52 | 24°14 | 1° 4 | 4°38 | 7°21 | 11° 9 | 10° 4 | 0°22 | 29°31 | S 22 |
| M23 | 20 23 7 | 4°31'39 | 22°28 | 0♍36 | 4° 3 | 8°16 | 7°44 | 24°22 | 1° 4 | 4°38 | 7°23 | 11° 6 | 10° 1 | 0°29 | 29°28 | M23 |
| T 24 | 20 27 3 | 5°29'17 | 6♎ 6 | 1°51 | 5°15 | 8°54 | 7°36 | 24°29 | 1° 3 | 4°38 | 7°25 | 11° 3 | 9°58 | 0°36 | 29°25 | T 24 |
| W25 | 20 31 0 | 6°26'55 | 19°56 | 3° 4 | 6°28 | 9°32 | 7°28 | 24°36 | 1° 2 | 4°39 | 7°27 | 11° 1 | 9°55 | 0°42 | 29°21 | W25 |
| T 26 | 20 34 56 | 7°24'35 | 3♏56 | 4°14 | 7°40 | 10°11 | 7°21 | 24°43 | 1° 2 | 4°39 | 7°29 | 11°D 0 | 9°51 | 0°49 | 29°18 | T 26 |
| F 27 | 20 38 53 | 8°22'15 | 18° 6 | 5°23 | 8°53 | 10°49 | 7°13 | 24°51 | 1° 1 | 4°40 | 7°31 | 11° 1 | 9°48 | 0°56 | 29°15 | F 27 |
| S 28 | 20 42 49 | 9°19'57 | 2♐22 | 6°30 | 10° 5 | 11°27 | 7° 5 | 24°58 | 1° 1 | 4°40 | 7°33 | 11° 2 | 9°45 | 1° 2 | 29°12 | S 28 |
| S 29 | 20 46 46 | 10°17'40 | 16°44 | 7°34 | 11°18 | 12° 5 | 6°57 | 25° 5 | 1° 1 | 4°41 | 7°35 | 11° 3 | 9°42 | 1° 9 | 29° 9 | S 29 |
| M30 | 20 50 43 | 11°15'24 | 1♑ 7 | 8°35 | 12°30 | 12°43 | 6°49 | 25°13 | 1° 0 | 4°41 | 7°37 | 11° 4 | 9°39 | 1°16 | 29° 6 | M30 |
| T 31 | 20 54 39 | 12♌13'10 | 15♑29 | 9♍34 | 13♍42 | 13♌21 | 6♒41 | 25♌20 | 1♐ 0 | 4♏42 | 7♍39 | 11°R 5 | 9♋36 | 1♊22 | 29♑ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n53 | 18s37 | 3n 0 | 22n55 | 1n49 | 20n 5 | 1n36 | 22n30 | 1n 9 | 18s40 | 0s58 | 15n45 | 1n32 | 20s30 | 0n 4 | 11s22 | 1n53 | 22n54 | 14n58 | 23n 5 | 23n 6 | 16n24 | 13s35 | 6n42 |
| M 2 | 22 47 | 21 32 | 1 47 | 22 32 | 1 47 | 19 46 | 1 36 | 22 23 | 1 9 | 18 41 | 0 58 | 15 43 | 1 32 | 20 30 | 0 4 | 11 22 | 1 53 | 22 53 | 14 58 | 23 5 | 23 6 | 16 26 | 13 35 | 6 42 |
| T 3 | 22 41 | 22 58 | 0 27 | 22 6 | 1 45 | 19 26 | 1 36 | 22 16 | 1 9 | 18 43 | 0 58 | 15 41 | 1 32 | 20 29 | 0 4 | 11 22 | 1 53 | 22 53 | 14 58 | 23 5 | 23 6 | 16 28 | 13 36 | 6 42 |
| W 4 | 22 34 | 22 48 | 0s54 | 21 40 | 1 42 | 19 6 | 1 36 | 22 9 | 1 9 | 18 45 | 0 58 | 15 39 | 1 32 | 20 29 | 0 4 | 11 22 | 1 53 | 22 52 | 14 57 | 23 5 | 23 7 | 16 30 | 13 37 | 6 42 |
| T 5 | 22 27 | 21 7 | 2 10 | 21 12 | 1 38 | 18 45 | 1 36 | 22 2 | 1 9 | 18 47 | 0 58 | 15 37 | 1 32 | 20 29 | 0 4 | 11 22 | 1 52 | 22 51 | 14 57 | 23 5 | 23 7 | 16 32 | 13 37 | 6 42 |
| F 6 | 22 19 | 18 10 | 3 16 | 20 43 | 1 34 | 18 24 | 1 35 | 21 55 | 1 9 | 18 49 | 0 59 | 15 34 | 1 32 | 20 28 | 0 4 | 11 22 | 1 52 | 22 50 | 14 57 | 23 5 | 23 7 | 16 34 | 13 38 | 6 42 |
| S 7 | 22 11 | 14 18 | 4 9 | 20 12 | 1 30 | 18 3 | 1 35 | 21 47 | 1 9 | 18 51 | 0 59 | 15 32 | 1 32 | 20 28 | 0 4 | 11 22 | 1 52 | 22 49 | 14 56 | 23 5 | 23 7 | 16 36 | 13 38 | 6 42 |
| S 8 | 22 3 | 9 51 | 4 47 | 19 41 | 1 25 | 17 40 | 1 35 | 21 39 | 1 9 | 18 53 | 0 59 | 15 30 | 1 32 | 20 28 | 0 4 | 11 22 | 1 52 | 22 48 | 14 56 | 23 6 | 23 8 | 16 38 | 13 39 | 6 43 |
| M 9 | 21 54 | 5 5 | 5 10 | 19 9 | 1 20 | 17 18 | 1 34 | 21 31 | 1 9 | 18 56 | 0 59 | 15 28 | 1 32 | 20 28 | 0 4 | 11 22 | 1 52 | 22 47 | 14 56 | 23 6 | 23 8 | 16 40 | 13 39 | 6 43 |
| T 10 | 21 45 | 0 15 | 5 17 | 18 36 | 1 14 | 16 55 | 1 34 | 21 23 | 1 9 | 18 58 | 0 59 | 15 25 | 1 32 | 20 27 | 0 4 | 11 22 | 1 52 | 22 46 | 14 56 | 23 6 | 23 8 | 16 43 | 13 40 | 6 43 |
| W11 | 21 36 | 4n30 | 5 9 | 18 2 | 1 8 | 16 31 | 1 33 | 21 15 | 1 9 | 19 0 | 1 0 | 15 23 | 1 32 | 20 27 | 0 4 | 11 22 | 1 52 | 22 45 | 14 55 | 23 6 | 23 8 | 16 45 | 13 40 | 6 43 |
| T 12 | 21 26 | 9 0 | 4 48 | 17 28 | 1 2 | 16 7 | 1 32 | 21 7 | 1 9 | 19 2 | 1 0 | 15 21 | 1 32 | 20 27 | 0 4 | 11 22 | 1 52 | 22 45 | 14 55 | 23 6 | 23 9 | 16 47 | 13 41 | 6 43 |
| F 13 | 21 16 | 13 8 | 4 15 | 16 53 | 0 55 | 15 43 | 1 32 | 20 58 | 1 9 | 19 4 | 1 0 | 15 19 | 1 32 | 20 27 | 0 4 | 11 22 | 1 52 | 22 44 | 14 55 | 23 6 | 23 9 | 16 49 | 13 42 | 6 43 |
| S 14 | 21 5 | 16 44 | 3 31 | 16 18 | 0 48 | 15 18 | 1 31 | 20 49 | 1 9 | 19 6 | 1 0 | 15 16 | 1 32 | 20 26 | 0 4 | 11 22 | 1 52 | 22 43 | 14 55 | 23 6 | 23 9 | 16 51 | 13 42 | 6 43 |
| S 15 | 20 54 | 19 40 | 2 38 | 15 42 | 0 40 | 14 53 | 1 30 | 20 41 | 1 9 | 19 8 | 1 0 | 15 14 | 1 32 | 20 26 | 0 4 | 11 22 | 1 52 | 22 42 | 14 54 | 23 5 | 23 9 | 16 53 | 13 43 | 6 43 |
| M16 | 20 43 | 21 47 | 1 38 | 15 6 | 0 32 | 14 28 | 1 29 | 20 32 | 1 9 | 19 10 | 1 0 | 15 12 | 1 32 | 20 26 | 0 4 | 11 22 | 1 52 | 22 41 | 14 54 | 23 5 | 23 10 | 16 55 | 13 44 | 6 43 |
| T 17 | 20 31 | 22 55 | 0 32 | 14 30 | 0 24 | 14 2 | 1 28 | 20 22 | 1 9 | 19 13 | 1 1 | 15 9 | 1 32 | 20 26 | 0 4 | 11 22 | 1 52 | 22 40 | 14 54 | 23 5 | 23 10 | 16 57 | 13 44 | 6 43 |
| W18 | 20 19 | 22 59 | 0n35 | 13 53 | 0 16 | 13 35 | 1 27 | 20 13 | 1 9 | 19 15 | 1 1 | 15 7 | 1 32 | 20 26 | 0 4 | 11 23 | 1 52 | 22 39 | 14 54 | 23 5 | 23 10 | 16 59 | 13 45 | 6 43 |
| T 19 | 20 7 | 21 53 | 1 42 | 13 17 | 0 7 | 13 9 | 1 25 | 20 4 | 1 9 | 19 17 | 1 1 | 15 4 | 1 32 | 20 26 | 0 4 | 11 23 | 1 52 | 22 38 | 14 53 | 23 5 | 23 10 | 17 1 | 13 46 | 6 43 |
| F 20 | 19 54 | 19 41 | 2 45 | 12 41 | 0s 2 | 12 42 | 1 24 | 19 54 | 1 9 | 19 19 | 1 1 | 15 2 | 1 32 | 20 25 | 0 4 | 11 23 | 1 52 | 22 37 | 14 53 | 23 5 | 23 11 | 17 3 | 13 46 | 6 43 |
| S 21 | 19 41 | 16 26 | 3 41 | 12 4 | 0 11 | 12 14 | 1 23 | 19 45 | 1 9 | 19 21 | 1 1 | 15 0 | 1 32 | 20 25 | 0 4 | 11 23 | 1 51 | 22 36 | 14 53 | 23 6 | 23 11 | 17 5 | 13 47 | 6 43 |
| S 22 | 19 28 | 12 20 | 4 26 | 11 28 | 0 20 | 11 47 | 1 21 | 19 35 | 1 9 | 19 23 | 1 1 | 14 57 | 1 32 | 20 25 | 0 4 | 11 23 | 1 51 | 22 36 | 14 53 | 23 6 | 23 11 | 17 7 | 13 48 | 6 43 |
| M23 | 19 14 | 7 33 | 4 58 | 10 52 | 0 29 | 11 19 | 1 20 | 19 25 | 1 9 | 19 26 | 1 2 | 14 55 | 1 32 | 20 25 | 0 4 | 11 23 | 1 51 | 22 35 | 14 53 | 23 6 | 23 11 | 17 9 | 13 48 | 6 43 |
| T 24 | 19 0 | 2 21 | 5 13 | 10 16 | 0 39 | 10 51 | 1 18 | 19 15 | 1 9 | 19 28 | 1 2 | 14 52 | 1 32 | 20 25 | 0 4 | 11 24 | 1 51 | 22 34 | 14 52 | 23 6 | 23 12 | 17 11 | 13 49 | 6 43 |
| W25 | 18 46 | 3s 3 | 5 10 | 9 41 | 0 49 | 10 22 | 1 16 | 19 5 | 1 9 | 19 30 | 1 2 | 14 50 | 1 32 | 20 25 | 0 4 | 11 24 | 1 51 | 22 33 | 14 52 | 23 7 | 23 12 | 17 13 | 13 50 | 6 43 |
| T 26 | 18 31 | 8 22 | 4 49 | 9 6 | 0 59 | 9 54 | 1 15 | 18 54 | 1 9 | 19 32 | 1 2 | 14 47 | 1 32 | 20 25 | 0 4 | 11 24 | 1 51 | 22 32 | 14 52 | 23 7 | 23 12 | 17 15 | 13 50 | 6 43 |
| F 27 | 18 16 | 13 18 | 4 11 | 8 31 | 1 9 | 9 25 | 1 13 | 18 44 | 1 9 | 19 34 | 1 2 | 14 45 | 1 32 | 20 25 | 0 4 | 11 24 | 1 51 | 22 31 | 14 52 | 23 7 | 23 12 | 17 17 | 13 51 | 6 43 |
| S 28 | 18 1 | 17 32 | 3 16 | 7 57 | 1 19 | 8 55 | 1 11 | 18 33 | 1 9 | 19 36 | 1 2 | 14 43 | 1 32 | 20 25 | 0 4 | 11 24 | 1 51 | 22 30 | 14 52 | 23 7 | 23 13 | 17 19 | 13 52 | 6 43 |
| S 29 | 17 46 | 20 45 | 2 10 | 7 24 | 1 29 | 8 26 | 1 9 | 18 22 | 1 9 | 19 38 | 1 2 | 14 40 | 1 32 | 20 24 | 0 4 | 11 25 | 1 51 | 22 29 | 14 52 | 23 6 | 23 13 | 17 22 | 13 53 | 6 42 |
| M30 | 17 30 | 22 40 | 0 54 | 6 51 | 1 40 | 7 56 | 1 7 | 18 11 | 1 9 | 19 41 | 1 2 | 14 38 | 1 32 | 20 24 | 0 4 | 11 25 | 1 51 | 22 28 | 14 51 | 23 6 | 23 13 | 17 24 | 13 53 | 6 42 |
| T 31 | 17n14 | 23s 4 | 0s24 | 6n20 | 1s50 | 7n26 | 1n 5 | 18n 1 | 1n 9 | 19s43 | 1s 2 | 14n35 | 1n32 | 20s24 | 0n 4 | 11s25 | 1n51 | 22n27 | 14n51 | 23n 6 | 23n13 | 17n26 | 13s54 | 6n42 |

Julian Day Number = 2078088.5, Delta T = 26m18s
Ecliptic obliquity = 23°34'16, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'23, Lahiri = 9°36'23 Julian Calendar 1 July 977 == Greg. Calendar 6 July 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## AUGUST 977 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 58 36 | 13♌10'56 | 29♉44 | 10♍30 | 14♍55 | 14♌ 0 | 6°R34 | 25♌28 | 1°R 0 | 4♏43 | 7♍41 | 11°R 3 | 9♋32 | 1♊29 | 28°R59 | W 1 |
| T 2 | 21 2 32 | 14° 8'44 | 13♒48 | 11°23 | 16° 7 | 14°38 | 6♒26 | 25°35 | 1♐ 0 | 4°43 | 7°43 | 11♋ 1 | 9°29 | 1°36 | 28♉56 | T 2 |
| F 3 | 21 6 29 | 15° 6'34 | 27°36 | 12°14 | 17°19 | 15°16 | 6°18 | 25°43 | 0°59 | 4°44 | 7°45 | 10°56 | 9°26 | 1°42 | 28°53 | F 3 |
| S 4 | 21 10 25 | 16° 4'25 | 11♓ 7 | 13° 1 | 18°31 | 15°54 | 6°11 | 25°50 | 0°59 | 4°45 | 7°47 | 10°51 | 9°23 | 1°49 | 28°50 | S 4 |
| S 5 | 21 14 22 | 17° 2'18 | 24°17 | 13°44 | 19°43 | 16°32 | 6° 3 | 25°57 | 0°D59 | 4°45 | 7°49 | 10°45 | 9°20 | 1°56 | 28°47 | S 5 |
| M 6 | 21 18 18 | 18° 0'12 | 7♈ 6 | 14°24 | 20°56 | 17°11 | 5°55 | 26° 5 | 0°59 | 4°46 | 7°51 | 10°39 | 9°17 | 2° 2 | 28°44 | M 6 |
| T 7 | 21 22 15 | 18°58'09 | 19°36 | 15° 0 | 22° 8 | 17°49 | 5°48 | 26°12 | 1° 0 | 4°47 | 7°53 | 10°35 | 9°13 | 2° 9 | 28°41 | T 7 |
| W 8 | 21 26 11 | 19°56'07 | 1♉50 | 15°32 | 23°20 | 18°27 | 5°41 | 26°20 | 1° 0 | 4°48 | 7°56 | 10°31 | 9°10 | 2°16 | 28°38 | W 8 |
| T 9 | 21 30 8 | 20°54'07 | 13°51 | 15°59 | 24°32 | 19° 5 | 5°33 | 26°27 | 1° 0 | 4°49 | 7°58 | 10°30 | 9° 7 | 2°22 | 28°35 | T 9 |
| F 10 | 21 34 5 | 21°52'09 | 25°44 | 16°22 | 25°44 | 19°43 | 5°26 | 26°35 | 1° 0 | 4°50 | 8° 0 | 10°D29 | 9° 4 | 2°29 | 28°32 | F 10 |
| S 11 | 21 38 1 | 22°50'13 | 7♊34 | 16°40 | 26°56 | 20°22 | 5°19 | 26°43 | 1° 0 | 4°51 | 8° 2 | 10°30 | 9° 1 | 2°36 | 28°30 | S 11 |
| S 12 | 21 41 58 | 23°48'19 | 19°26 | 16°53 | 28° 8 | 21° 0 | 5°12 | 26°50 | 1° 1 | 4°52 | 8° 4 | 10°32 | 8°57 | 2°42 | 28°27 | S 12 |
| M13 | 21 45 54 | 24°46'27 | 1♋25 | 17° 0 | 29°20 | 21°38 | 5° 5 | 26°58 | 1° 1 | 4°53 | 8° 6 | 10°33 | 8°54 | 2°49 | 28°24 | M13 |
| T 14 | 21 49 51 | 25°44'37 | 13°35 | 17°R 2 | 0♎31 | 22°17 | 4°58 | 27° 5 | 1° 2 | 4°54 | 8° 8 | 10°R33 | 8°51 | 2°56 | 28°21 | T 14 |
| W15 | 21 53 47 | 26°42'49 | 26° 1 | 16°57 | 1°43 | 22°55 | 4°51 | 27°13 | 1° 2 | 4°55 | 8°11 | 10°32 | 8°48 | 3° 2 | 28°19 | W15 |
| T 16 | 21 57 44 | 27°41'03 | 8♌44 | 16°46 | 2°55 | 23°33 | 4°44 | 27°20 | 1° 3 | 4°56 | 8°13 | 10°29 | 8°45 | 3° 9 | 28°16 | T 16 |
| F 17 | 22 1 41 | 28°39'19 | 21°46 | 16°29 | 4° 7 | 24°11 | 4°38 | 27°28 | 1° 3 | 4°57 | 8°15 | 10°23 | 8°42 | 3°16 | 28°13 | F 17 |
| S 18 | 22 5 37 | 29°37'37 | 5♍ 7 | 16° 6 | 5°19 | 24°50 | 4°31 | 27°35 | 1° 4 | 4°58 | 8°17 | 10°16 | 8°38 | 3°22 | 28°11 | S 18 |
| S 19 | 22 9 34 | 0♍35'56 | 18°44 | 15°36 | 6°30 | 25°28 | 4°25 | 27°43 | 1° 5 | 4°59 | 8°19 | 10° 8 | 8°35 | 3°29 | 28° 8 | S 19 |
| M20 | 22 13 30 | 1°34'17 | 2♎36 | 14°59 | 7°42 | 26° 6 | 4°19 | 27°50 | 1° 5 | 5° 1 | 8°21 | 10° 0 | 8°32 | 3°36 | 28° 6 | M20 |
| T 21 | 22 17 27 | 2°32'40 | 16°37 | 14°17 | 8°53 | 26°45 | 4°13 | 27°58 | 1° 6 | 5° 2 | 8°24 | 9°52 | 8°29 | 3°42 | 28° 3 | T 21 |
| W22 | 22 21 23 | 3°31'05 | 0♏45 | 13°28 | 10° 5 | 27°23 | 4° 7 | 28° 5 | 1° 7 | 5° 3 | 8°26 | 9°46 | 8°26 | 3°49 | 28° 1 | W22 |
| T 23 | 22 25 20 | 4°29'31 | 14°55 | 12°35 | 11°16 | 28° 1 | 4° 1 | 28°13 | 1° 8 | 5° 4 | 8°28 | 9°42 | 8°22 | 3°56 | 27°58 | T 23 |
| F 24 | 22 29 16 | 5°27'59 | 29° 6 | 11°38 | 12°28 | 28°40 | 3°55 | 28°20 | 1° 9 | 5° 6 | 8°30 | 9°40 | 8°19 | 4° 2 | 27°56 | F 24 |
| S 25 | 22 33 13 | 6°26'28 | 13♐14 | 10°38 | 13°39 | 29°18 | 3°50 | 28°28 | 1°10 | 5° 7 | 8°32 | 9°D40 | 8°16 | 4° 9 | 27°54 | S 25 |
| S 26 | 22 37 9 | 7°25'00 | 27°20 | 9°35 | 14°51 | 29°56 | 3°45 | 28°35 | 1°11 | 5° 8 | 8°35 | 9°41 | 8°13 | 4°16 | 27°52 | S 26 |
| M27 | 22 41 6 | 8°23'33 | 11♑21 | 8°32 | 16° 2 | 0♍35 | 3°39 | 28°43 | 1°12 | 5°10 | 8°37 | 9°R42 | 8°10 | 4°22 | 27°49 | M27 |
| T 28 | 22 45 3 | 9°22'07 | 25°17 | 7°30 | 17°13 | 1°13 | 3°34 | 28°50 | 1°13 | 5°11 | 8°39 | 9°40 | 8° 7 | 4°29 | 27°47 | T 28 |
| W29 | 22 48 59 | 10°20'43 | 9♒ 5 | 6°31 | 18°24 | 1°52 | 3°30 | 28°58 | 1°14 | 5°13 | 8°41 | 9°37 | 8° 3 | 4°36 | 27°45 | W29 |
| T 30 | 22 52 56 | 11°19'22 | 22°45 | 5°35 | 19°36 | 2°30 | 3°25 | 29° 5 | 1°16 | 5°14 | 8°43 | 9°31 | 8° 0 | 4°42 | 27°43 | T 30 |
| F 31 | 22 56 52 | 12♍18'02 | 6♓13 | 4♍45 | 20♎47 | 3♍ 8 | 3♒20 | 29♌13 | 1♐17 | 5♏16 | 8♍46 | 9♋23 | 7♋57 | 4♊49 | 27♉41 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 16n57 | 21s57 | 1s40 | 5n49 | 2s 0 | 6n56 | 1n 3 | 17n49 | 1n 9 | 19s45 | 1s 3 | 14n33 | 1n32 | 20s24 | 0n 4 | 11s25 | 1n51 | 22n26 | 14n51 | 23n 6 | 23n14 | 17n28 | 13s55 | 6n42 | |
| T 2 | 16 41 | 19 29 | 2 49 | 5 19 | 2 11 | 6 26 | 1 1 | 17 38 | 1 9 | 19 47 | 1 3 | 14 30 | 1 32 | 20 24 | 0 4 | 11 26 | 1 51 | 22 25 | 14 51 | 23 7 | 23 14 | 17 30 | 13 55 | 6 42 | |
| F 3 | 16 24 | 15 55 | 3 47 | 4 50 | 2 21 | 5 56 | 0 58 | 17 27 | 1 9 | 19 49 | 1 3 | 14 28 | 1 32 | 20 24 | 0 4 | 11 26 | 1 51 | 22 25 | 14 51 | 23 7 | 23 14 | 17 32 | 13 56 | 6 42 | |
| S 4 | 16 6 | 11 36 | 4 30 | 4 23 | 2 31 | 5 25 | 0 56 | 17 15 | 1 9 | 19 51 | 1 3 | 14 25 | 1 32 | 20 24 | 0 4 | 11 26 | 1 51 | 22 24 | 14 51 | 23 8 | 23 14 | 17 34 | 13 57 | 6 42 | |
| S 5 | 15 49 | 6 50 | 4 58 | 3 57 | 2 42 | 4 55 | 0 54 | 17 4 | 1 9 | 19 53 | 1 3 | 14 23 | 1 32 | 20 24 | 0 4 | 11 27 | 1 51 | 22 23 | 14 51 | 23 8 | 23 14 | 17 36 | 13 58 | 6 42 | |
| M 6 | 15 31 | 1 55 | 5 10 | 3 32 | 2 52 | 4 24 | 0 51 | 16 52 | 1 9 | 19 55 | 1 3 | 14 20 | 1 32 | 20 24 | 0 4 | 11 27 | 1 50 | 22 22 | 14 50 | 23 8 | 23 15 | 17 38 | 13 58 | 6 41 | |
| T 7 | 15 13 | 2n58 | 5 7 | 3 9 | 3 1 | 3 53 | 0 49 | 16 40 | 1 9 | 19 57 | 1 3 | 14 18 | 1 32 | 20 24 | 0 4 | 11 27 | 1 50 | 22 21 | 14 50 | 23 9 | 23 15 | 17 40 | 13 59 | 6 41 | |
| W 8 | 14 55 | 7 39 | 4 50 | 2 48 | 3 11 | 3 22 | 0 46 | 16 28 | 1 9 | 19 59 | 1 3 | 14 15 | 1 32 | 20 24 | 0 4 | 11 28 | 1 50 | 22 20 | 14 50 | 23 9 | 23 15 | 17 42 | 14 0 | 6 41 | |
| T 9 | 14 36 | 11 57 | 4 20 | 2 29 | 3 20 | 2 51 | 0 43 | 16 16 | 1 9 | 20 0 | 1 3 | 14 13 | 1 32 | 20 24 | 0 4 | 11 28 | 1 50 | 22 19 | 14 50 | 23 9 | 23 15 | 17 44 | 14 1 | 6 41 | |
| F 10 | 14 18 | 15 45 | 3 39 | 2 12 | 3 29 | 2 20 | 0 41 | 16 4 | 1 9 | 20 2 | 1 3 | 14 10 | 1 32 | 20 25 | 0 4 | 11 28 | 1 50 | 22 18 | 14 50 | 23 9 | 23 16 | 17 46 | 14 1 | 6 41 | |
| S 11 | 13 59 | 18 54 | 2 49 | 1 57 | 3 37 | 1 48 | 0 38 | 15 52 | 1 9 | 20 4 | 1 3 | 14 7 | 1 32 | 20 25 | 0 4 | 11 29 | 1 50 | 22 17 | 14 50 | 23 9 | 23 16 | 17 48 | 14 2 | 6 41 | |
| S 12 | 13 40 | 21 17 | 1 52 | 1 45 | 3 45 | 1 17 | 0 35 | 15 40 | 1 9 | 20 6 | 1 3 | 14 5 | 1 32 | 20 25 | 0 4 | 11 29 | 1 50 | 22 16 | 14 50 | 23 9 | 23 16 | 17 50 | 14 3 | 6 40 | |
| M13 | 13 20 | 22 44 | 0 49 | 1 35 | 3 53 | 0 46 | 0 32 | 15 27 | 1 9 | 20 8 | 1 3 | 14 2 | 1 32 | 20 25 | 0 4 | 11 29 | 1 50 | 22 16 | 14 50 | 23 9 | 23 16 | 17 52 | 14 4 | 6 40 | |
| T 14 | 13 1 | 23 9 | 0n16 | 1 29 | 3 59 | 0 14 | 0 29 | 15 15 | 1 9 | 20 9 | 1 3 | 14 0 | 1 32 | 20 25 | 0 4 | 11 30 | 1 50 | 22 15 | 14 50 | 23 9 | 23 16 | 17 54 | 14 4 | 6 40 | |
| W15 | 12 41 | 22 25 | 1 23 | 1 25 | 4 5 | 0s17 | 0 26 | 15 2 | 1 9 | 20 11 | 1 3 | 13 57 | 1 33 | 20 25 | 0 4 | 11 30 | 1 50 | 22 14 | 14 50 | 23 9 | 23 17 | 17 56 | 14 5 | 6 40 | |
| T 16 | 12 21 | 20 31 | 2 26 | 1 25 | 4 10 | 0 49 | 0 23 | 14 49 | 1 9 | 20 13 | 1 3 | 13 55 | 1 33 | 20 25 | 0 4 | 11 31 | 1 50 | 22 13 | 14 50 | 23 9 | 23 17 | 17 57 | 14 6 | 6 39 | |
| F 17 | 12 0 | 17 32 | 3 24 | 1 29 | 4 13 | 1 20 | 0 20 | 14 36 | 1 9 | 20 14 | 1 3 | 13 52 | 1 33 | 20 25 | 0 4 | 11 31 | 1 50 | 22 12 | 14 50 | 23 10 | 23 17 | 17 59 | 14 7 | 6 39 | |
| S 18 | 11 40 | 13 35 | 4 11 | 1 36 | 4 15 | 1 52 | 0 17 | 14 24 | 1 8 | 20 16 | 1 3 | 13 50 | 1 33 | 20 25 | 0 4 | 11 32 | 1 50 | 22 11 | 14 50 | 23 10 | 23 17 | 18 1 | 14 7 | 6 39 | |
| S 19 | 11 19 | 8 51 | 4 45 | 1 46 | 4 16 | 2 23 | 0 14 | 14 10 | 1 8 | 20 17 | 1 4 | 13 47 | 1 33 | 20 26 | 0 4 | 11 32 | 1 50 | 22 10 | 14 50 | 23 11 | 23 17 | 18 3 | 14 8 | 6 39 | |
| M20 | 10 58 | 3 36 | 5 4 | 2 1 | 4 16 | 2 55 | 0 10 | 13 57 | 1 8 | 20 19 | 1 4 | 13 44 | 1 33 | 20 26 | 0 4 | 11 32 | 1 50 | 22 9 | 14 50 | 23 12 | 23 18 | 18 5 | 14 9 | 6 38 | |
| T 21 | 10 37 | 1s53 | 5 4 | 2 19 | 4 13 | 3 26 | 0 7 | 13 44 | 1 8 | 20 20 | 1 4 | 13 42 | 1 33 | 20 26 | 0 4 | 11 33 | 1 50 | 22 9 | 14 50 | 23 12 | 23 18 | 18 7 | 14 10 | 6 38 | |
| W22 | 10 16 | 7 20 | 4 46 | 2 42 | 4 9 | 3 57 | 0 4 | 13 31 | 1 8 | 20 22 | 1 4 | 13 39 | 1 33 | 20 26 | 0 4 | 11 33 | 1 50 | 22 8 | 14 50 | 23 13 | 23 18 | 18 9 | 14 10 | 6 38 | |
| T 23 | 9 55 | 12 24 | 4 11 | 3 8 | 4 3 | 4 29 | 0 1 | 13 17 | 1 8 | 20 23 | 1 4 | 13 37 | 1 33 | 20 26 | 0 4 | 11 34 | 1 49 | 22 7 | 14 50 | 23 13 | 23 18 | 18 11 | 14 11 | 6 38 | |
| F 24 | 9 33 | 16 49 | 3 20 | 3 37 | 3 55 | 5 0 | 0s 3 | 13 4 | 1 8 | 20 24 | 1 4 | 13 34 | 1 33 | 20 27 | 0 4 | 11 34 | 1 49 | 22 6 | 14 50 | 23 13 | 23 19 | 18 13 | 14 12 | 6 37 | |
| S 25 | 9 12 | 20 15 | 2 17 | 4 9 | 3 45 | 5 31 | 0 6 | 12 50 | 1 8 | 20 26 | 1 4 | 13 32 | 1 33 | 20 27 | 0 4 | 11 35 | 1 49 | 22 5 | 14 50 | 23 13 | 23 19 | 18 15 | 14 12 | 6 37 | |
| S 26 | 8 50 | 22 27 | 1 6 | 4 43 | 3 34 | 6 2 | 0 10 | 12 37 | 1 8 | 20 27 | 1 3 | 13 29 | 1 33 | 20 27 | 0 4 | 11 35 | 1 49 | 22 4 | 14 50 | 23 13 | 23 19 | 18 17 | 14 13 | 6 37 | |
| M27 | 8 28 | 23 14 | 0s 9 | 5 20 | 3 20 | 6 33 | 0 13 | 12 23 | 1 8 | 20 28 | 1 3 | 13 27 | 1 33 | 20 27 | 0 4 | 11 36 | 1 49 | 22 4 | 14 50 | 23 13 | 23 19 | 18 19 | 14 14 | 6 36 | |
| T 28 | 8 6 | 22 33 | 1 22 | 5 57 | 3 4 | 7 3 | 0 17 | 12 9 | 1 8 | 20 29 | 1 3 | 13 24 | 1 33 | 20 27 | 0 4 | 11 36 | 1 49 | 22 3 | 14 50 | 23 13 | 23 19 | 18 21 | 14 15 | 6 36 | |
| W29 | 7 44 | 20 30 | 2 30 | 6 35 | 2 48 | 7 34 | 0 20 | 11 55 | 1 8 | 20 30 | 1 3 | 13 22 | 1 34 | 20 28 | 0 4 | 11 37 | 1 49 | 22 2 | 14 50 | 23 13 | 23 19 | 18 23 | 14 15 | 6 36 | |
| T 30 | 7 21 | 17 17 | 3 29 | 7 12 | 2 30 | 8 4 | 0 24 | 11 41 | 1 7 | 20 32 | 1 3 | 13 19 | 1 34 | 20 28 | 0 4 | 11 38 | 1 49 | 22 1 | 14 50 | 23 14 | 23 20 | 18 25 | 14 16 | 6 35 | |
| F 31 | 6n59 | 13s13 | 4s14 | 7n48 | 2s11 | 8s35 | 0s27 | 11n27 | 1n 7 | 20s33 | 1s 3 | 13n16 | 1n34 | 20s28 | 0n 4 | 11s38 | 1n49 | 22n 1 | 14n50 | 23n14 | 23n20 | 18n27 | 14s17 | 6n35 | |

Julian Day Number = 2078119.5, Delta T = 26m18s
Ecliptic obliquity = 23°34'17, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'27, Lahiri = 9°36'27 Julian Calendar 1 Aug. 977 == Greg. Calendar 6 Aug. 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## SEPTEMBER 977 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 0 49 | 13♍16'43 | 19♓27 | 4°R 1 | 21♎58 | 3♍47 | 3°R16 | 29♌20 | 1♐18 | 5♏17 | 8♍48 | 9°R12 | 7♋54 | 4♊56 | 27°R39 | S 1 |
| S 2 | 23 4 45 | 14°15'27 | 2♈26 | 3♍26 | 23° 9 | 4°25 | 3♒12 | 29°27 | 1°20 | 5°19 | 8°50 | 9♋ 1 | 7°51 | 5° 2 | 27♑37 | S 2 |
| M 3 | 23 8 42 | 15°14'13 | 15° 8 | 2°59 | 24°20 | 5° 4 | 3° 8 | 29°35 | 1°21 | 5°20 | 8°52 | 8°50 | 7°48 | 5° 9 | 27°36 | M 3 |
| T 4 | 23 12 38 | 16°13'02 | 27°33 | 2°41 | 25°31 | 5°42 | 3° 4 | 29°42 | 1°23 | 5°22 | 8°54 | 8°40 | 7°44 | 5°16 | 27°34 | T 4 |
| W 5 | 23 16 35 | 17°11'52 | 9♉45 | 2°D34 | 26°41 | 6°21 | 3° 0 | 29°50 | 1°24 | 5°24 | 8°57 | 8°32 | 7°41 | 5°22 | 27°32 | W 5 |
| T 6 | 23 20 32 | 18°10'45 | 21°44 | 2°36 | 27°52 | 6°59 | 2°57 | 29°57 | 1°26 | 5°25 | 8°59 | 8°26 | 7°38 | 5°29 | 27°31 | T 6 |
| F 7 | 23 24 28 | 19° 9'40 | 3♊36 | 2°49 | 29° 3 | 7°38 | 2°54 | 0♍ 4 | 1°27 | 5°27 | 9° 1 | 8°23 | 7°35 | 5°36 | 27°29 | F 7 |
| S 8 | 23 28 25 | 20° 8'37 | 15°25 | 3°11 | 0♏13 | 8°16 | 2°50 | 0°11 | 1°29 | 5°29 | 9° 3 | 8°D21 | 7°32 | 5°42 | 27°28 | S 8 |
| S 9 | 23 32 21 | 21° 7'37 | 27°16 | 3°43 | 1°24 | 8°55 | 2°48 | 0°19 | 1°31 | 5°30 | 9° 5 | 8°21 | 7°28 | 5°49 | 27°26 | S 9 |
| M10 | 23 36 18 | 22° 6'40 | 9♋14 | 4°25 | 2°34 | 9°33 | 2°45 | 0°26 | 1°33 | 5°32 | 9° 7 | 8°R22 | 7°25 | 5°56 | 27°25 | M10 |
| T 11 | 23 40 14 | 23° 5'44 | 21°26 | 5°14 | 3°45 | 10°12 | 2°42 | 0°33 | 1°35 | 5°34 | 9°10 | 8°21 | 7°22 | 6° 2 | 27°23 | T 11 |
| W12 | 23 44 11 | 24° 4'51 | 3♌56 | 6°12 | 4°55 | 10°51 | 2°40 | 0°40 | 1°36 | 5°36 | 9°12 | 8°18 | 7°19 | 6° 9 | 27°22 | W12 |
| T 13 | 23 48 7 | 25° 4'00 | 16°48 | 7°17 | 6° 6 | 11°29 | 2°38 | 0°47 | 1°38 | 5°37 | 9°14 | 8°13 | 7°16 | 6°16 | 27°21 | T 13 |
| F 14 | 23 52 4 | 26° 3'11 | 0♍ 3 | 8°28 | 7°16 | 12° 8 | 2°36 | 0°54 | 1°40 | 5°39 | 9°16 | 8° 6 | 7°13 | 6°22 | 27°20 | F 14 |
| S 15 | 23 56 1 | 27° 2'25 | 13°42 | 9°45 | 8°26 | 12°46 | 2°34 | 1° 1 | 1°42 | 5°41 | 9°18 | 7°55 | 7° 9 | 6°29 | 27°19 | S 15 |
| S 16 | 23 59 57 | 28° 1'41 | 27°43 | 11° 7 | 9°36 | 13°25 | 2°32 | 1° 8 | 1°44 | 5°43 | 9°20 | 7°44 | 7° 6 | 6°36 | 27°18 | S 16 |
| M17 | 0 3 54 | 29° 0'58 | 12♎ 2 | 12°33 | 10°46 | 14° 4 | 2°31 | 1°15 | 1°46 | 5°45 | 9°22 | 7°32 | 7° 3 | 6°42 | 27°17 | M17 |
| T 18 | 0 7 50 | 0♎ 0'18 | 26°31 | 14° 3 | 11°56 | 14°42 | 2°30 | 1°22 | 1°49 | 5°47 | 9°24 | 7°21 | 7° 0 | 6°49 | 27°16 | T 18 |
| W19 | 0 11 47 | 0°59'40 | 11♏ 4 | 15°36 | 13° 6 | 15°21 | 2°29 | 1°29 | 1°51 | 5°49 | 9°27 | 7°12 | 6°57 | 6°56 | 27°15 | W19 |
| T 20 | 0 15 43 | 1°59'04 | 25°34 | 17°12 | 14°16 | 16° 0 | 2°28 | 1°36 | 1°53 | 5°50 | 9°29 | 7° 5 | 6°54 | 7° 2 | 27°14 | T 20 |
| F 21 | 0 19 40 | 2°58'29 | 9♐58 | 18°50 | 15°26 | 16°38 | 2°28 | 1°43 | 1°55 | 5°52 | 9°31 | 7° 2 | 6°50 | 7° 9 | 27°13 | F 21 |
| S 22 | 0 23 36 | 3°57'57 | 24°11 | 20°29 | 16°35 | 17°17 | 2°27 | 1°50 | 1°58 | 5°54 | 9°33 | 7° 1 | 6°47 | 7°16 | 27°13 | S 22 |
| S 23 | 0 27 33 | 4°57'26 | 8♑12 | 22°10 | 17°45 | 17°56 | 2°D27 | 1°57 | 2° 0 | 5°56 | 9°35 | 7° 1 | 6°44 | 7°22 | 27°12 | S 23 |
| M24 | 0 31 29 | 5°56'57 | 22° 1 | 23°51 | 18°54 | 18°35 | 2°27 | 2° 3 | 2° 2 | 5°58 | 9°37 | 7° 0 | 6°41 | 7°29 | 27°12 | M24 |
| T 25 | 0 35 26 | 6°56'29 | 5♒39 | 25°33 | 20° 4 | 19°13 | 2°27 | 2°10 | 2° 5 | 6° 0 | 9°39 | 6°58 | 6°38 | 7°36 | 27°11 | T 25 |
| W26 | 0 39 23 | 7°56'04 | 19° 6 | 27°16 | 21°13 | 19°52 | 2°28 | 2°17 | 2° 7 | 6° 2 | 9°41 | 6°54 | 6°34 | 7°42 | 27°11 | W26 |
| T 27 | 0 43 19 | 8°55'40 | 2♓22 | 28°59 | 22°22 | 20°31 | 2°29 | 2°23 | 2°10 | 6° 4 | 9°43 | 6°47 | 6°31 | 7°49 | 27°11 | T 27 |
| F 28 | 0 47 16 | 9°55'18 | 15°27 | 0♎43 | 23°31 | 21°10 | 2°29 | 2°30 | 2°12 | 6° 7 | 9°45 | 6°36 | 6°28 | 7°56 | 27°10 | F 28 |
| S 29 | 0 51 12 | 10°54'58 | 28°20 | 2°26 | 24°40 | 21°48 | 2°30 | 2°36 | 2°15 | 6° 9 | 9°47 | 6°24 | 6°25 | 8° 2 | 27°10 | S 29 |
| S 30 | 0 55 9 | 11♎54'40 | 11♈ 2 | 4♎ 9 | 25♏49 | 22♍27 | 2♒32 | 2♍43 | 2♐18 | 6♏11 | 9♍49 | 6♋10 | 6♋22 | 8♊ 9 | 27♑10 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n36 | 8s34 | 4s45 | 8n22 | 1s51 | 9s 5 | 0s31 | 11n13 | 1n 7 | 20s34 | 1s 3 | 13n14 | 1n34 | 20s29 | 0n 4 | 11s39 | 1n49 | 22n 0 | 14n50 | 23n15 | 23n20 | 18n29 | 14s17 | 6n35 |
| S 2 | 6 14 | 3 37 | 5 1 | 8 53 | 1 31 | 9 35 | 0 35 | 10 59 | 1 7 | 20 35 | 1 3 | 13 11 | 1 34 | 20 29 | 0 4 | 11 39 | 1 49 | 21 59 | 14 50 | 23 16 | 23 20 | 18 31 | 14 18 | 6 34 |
| M 3 | 5 51 | 1n22 | 5 1 | 9 22 | 1 11 | 10 5 | 0 38 | 10 45 | 1 7 | 20 35 | 1 3 | 13 9 | 1 34 | 20 29 | 0 4 | 11 40 | 1 49 | 21 58 | 14 50 | 23 17 | 23 20 | 18 32 | 14 19 | 6 34 |
| T 4 | 5 28 | 6 12 | 4 47 | 9 46 | 0 52 | 10 34 | 0 42 | 10 30 | 1 7 | 20 36 | 1 3 | 13 6 | 1 34 | 20 29 | 0 4 | 11 40 | 1 49 | 21 57 | 14 51 | 23 17 | 23 21 | 18 34 | 14 19 | 6 34 |
| W 5 | 5 5 | 10 42 | 4 20 | 10 7 | 0 32 | 11 3 | 0 46 | 10 16 | 1 7 | 20 37 | 1 3 | 13 4 | 1 34 | 20 30 | 0 4 | 11 41 | 1 49 | 21 57 | 14 51 | 23 18 | 23 21 | 18 36 | 14 20 | 6 33 |
| T 6 | 4 42 | 14 44 | 3 41 | 10 23 | 0 14 | 11 32 | 0 49 | 10 1 | 1 7 | 20 38 | 1 3 | 13 1 | 1 34 | 20 30 | 0 4 | 11 42 | 1 49 | 21 56 | 14 51 | 23 18 | 23 21 | 18 38 | 14 21 | 6 33 |
| F 7 | 4 19 | 18 9 | 2 54 | 10 35 | 0n 3 | 12 1 | 0 53 | 9 47 | 1 6 | 20 39 | 1 3 | 12 59 | 1 35 | 20 31 | 0 4 | 11 42 | 1 49 | 21 55 | 14 51 | 23 18 | 23 21 | 18 40 | 14 21 | 6 33 |
| S 8 | 3 56 | 20 48 | 1 59 | 10 42 | 0 19 | 12 30 | 0 57 | 9 32 | 1 6 | 20 39 | 1 3 | 12 56 | 1 35 | 20 31 | 0 4 | 11 43 | 1 49 | 21 55 | 14 51 | 23 18 | 23 21 | 18 42 | 14 22 | 6 32 |
| S 9 | 3 32 | 22 34 | 0 59 | 10 44 | 0 34 | 12 58 | 1 0 | 9 18 | 1 6 | 20 40 | 1 3 | 12 54 | 1 35 | 20 31 | 0 4 | 11 43 | 1 49 | 21 54 | 14 51 | 23 18 | 23 22 | 18 44 | 14 23 | 6 32 |
| M10 | 3 9 | 23 20 | 0n 5 | 10 42 | 0 48 | 13 26 | 1 4 | 9 3 | 1 6 | 20 40 | 1 3 | 12 52 | 1 35 | 20 32 | 0 4 | 11 44 | 1 49 | 21 53 | 14 51 | 23 18 | 23 22 | 18 46 | 14 23 | 6 32 |
| T 11 | 2 45 | 22 59 | 1 9 | 10 35 | 1 1 | 13 54 | 1 8 | 8 48 | 1 6 | 20 41 | 1 3 | 12 49 | 1 35 | 20 32 | 0 4 | 11 45 | 1 49 | 21 52 | 14 52 | 23 18 | 23 22 | 18 48 | 14 24 | 6 31 |
| W12 | 2 22 | 21 30 | 2 11 | 10 24 | 1 12 | 14 21 | 1 12 | 8 33 | 1 6 | 20 41 | 1 3 | 12 47 | 1 35 | 20 32 | 0 3 | 11 45 | 1 49 | 21 52 | 14 52 | 23 19 | 23 22 | 18 50 | 14 25 | 6 31 |
| T 13 | 1 58 | 18 53 | 3 9 | 10 9 | 1 22 | 14 49 | 1 15 | 8 18 | 1 6 | 20 42 | 1 3 | 12 44 | 1 35 | 20 33 | 0 3 | 11 46 | 1 48 | 21 51 | 14 52 | 23 19 | 23 22 | 18 51 | 14 25 | 6 30 |
| F 14 | 1 35 | 15 13 | 3 58 | 9 50 | 1 30 | 15 15 | 1 19 | 8 3 | 1 6 | 20 42 | 1 3 | 12 42 | 1 35 | 20 33 | 0 3 | 11 46 | 1 48 | 21 50 | 14 52 | 23 19 | 23 22 | 18 53 | 14 26 | 6 30 |
| S 15 | 1 11 | 10 40 | 4 35 | 9 27 | 1 37 | 15 42 | 1 23 | 7 48 | 1 5 | 20 43 | 1 3 | 12 39 | 1 35 | 20 34 | 0 3 | 11 47 | 1 48 | 21 50 | 14 52 | 23 20 | 23 23 | 18 55 | 14 26 | 6 30 |
| S 16 | 0 47 | 5 26 | 4 56 | 9 2 | 1 43 | 16 8 | 1 26 | 7 33 | 1 5 | 20 43 | 1 2 | 12 37 | 1 36 | 20 34 | 0 3 | 11 48 | 1 48 | 21 49 | 14 52 | 23 21 | 23 23 | 18 57 | 14 27 | 6 29 |
| M17 | 0 24 | 0s11 | 5 0 | 8 33 | 1 48 | 16 34 | 1 30 | 7 18 | 1 5 | 20 43 | 1 2 | 12 35 | 1 36 | 20 34 | 0 3 | 11 48 | 1 48 | 21 48 | 14 53 | 23 21 | 23 23 | 18 59 | 14 28 | 6 29 |
| T 18 | 0s 0 | 5 52 | 4 44 | 8 2 | 1 52 | 16 59 | 1 34 | 7 3 | 1 5 | 20 43 | 1 2 | 12 32 | 1 36 | 20 35 | 0 3 | 11 49 | 1 48 | 21 48 | 14 53 | 23 22 | 23 23 | 19 1 | 14 28 | 6 28 |
| W19 | 0 24 | 11 16 | 4 10 | 7 28 | 1 55 | 17 24 | 1 37 | 6 48 | 1 5 | 20 43 | 1 2 | 12 30 | 1 36 | 20 35 | 0 3 | 11 50 | 1 48 | 21 47 | 14 53 | 23 22 | 23 23 | 19 3 | 14 29 | 6 28 |
| T 20 | 0 48 | 16 1 | 3 20 | 6 52 | 1 56 | 17 49 | 1 41 | 6 33 | 1 5 | 20 43 | 1 2 | 12 28 | 1 36 | 20 36 | 0 3 | 11 50 | 1 48 | 21 47 | 14 53 | 23 23 | 23 23 | 19 5 | 14 29 | 6 28 |
| F 21 | 1 11 | 19 48 | 2 18 | 6 15 | 1 57 | 18 13 | 1 44 | 6 17 | 1 4 | 20 44 | 1 2 | 12 25 | 1 36 | 20 36 | 0 3 | 11 51 | 1 48 | 21 46 | 14 54 | 23 23 | 23 24 | 19 6 | 14 30 | 6 27 |
| S 22 | 1 35 | 22 19 | 1 7 | 5 35 | 1 57 | 18 37 | 1 48 | 6 2 | 1 4 | 20 44 | 1 2 | 12 23 | 1 36 | 20 37 | 0 3 | 11 52 | 1 48 | 21 45 | 14 54 | 23 23 | 23 24 | 19 8 | 14 30 | 6 27 |
| S 23 | 1 59 | 23 25 | 0s 6 | 4 55 | 1 57 | 19 0 | 1 51 | 5 47 | 1 4 | 20 43 | 1 2 | 12 21 | 1 37 | 20 37 | 0 3 | 11 52 | 1 48 | 21 45 | 14 54 | 23 23 | 23 24 | 19 10 | 14 31 | 6 26 |
| M24 | 2 23 | 23 3 | 1 19 | 4 13 | 1 55 | 19 23 | 1 55 | 5 31 | 1 4 | 20 43 | 1 2 | 12 18 | 1 37 | 20 38 | 0 3 | 11 53 | 1 48 | 21 44 | 14 54 | 23 23 | 23 24 | 19 12 | 14 31 | 6 26 |
| T 25 | 2 46 | 21 18 | 2 25 | 3 30 | 1 53 | 19 45 | 1 58 | 5 16 | 1 4 | 20 43 | 1 2 | 12 16 | 1 37 | 20 38 | 0 3 | 11 54 | 1 48 | 21 44 | 14 55 | 23 23 | 23 24 | 19 14 | 14 32 | 6 26 |
| W26 | 3 10 | 18 23 | 3 23 | 2 47 | 1 51 | 20 7 | 2 2 | 5 0 | 1 4 | 20 43 | 1 2 | 12 14 | 1 37 | 20 39 | 0 3 | 11 55 | 1 48 | 21 43 | 14 55 | 23 23 | 23 24 | 19 16 | 14 32 | 6 25 |
| T 27 | 3 33 | 14 33 | 4 8 | 2 3 | 1 48 | 20 29 | 2 5 | 4 45 | 1 3 | 20 43 | 1 1 | 12 12 | 1 37 | 20 39 | 0 3 | 11 55 | 1 48 | 21 43 | 14 55 | 23 24 | 23 25 | 19 17 | 14 33 | 6 25 |
| F 28 | 3 57 | 10 4 | 4 40 | 1 18 | 1 44 | 20 50 | 2 8 | 4 29 | 1 3 | 20 43 | 1 1 | 12 9 | 1 37 | 20 40 | 0 3 | 11 56 | 1 48 | 21 42 | 14 55 | 23 24 | 23 25 | 19 19 | 14 33 | 6 24 |
| S 29 | 4 21 | 5 12 | 4 57 | 0 33 | 1 40 | 21 10 | 2 12 | 4 14 | 1 3 | 20 42 | 1 1 | 12 7 | 1 38 | 20 40 | 0 3 | 11 57 | 1 48 | 21 42 | 14 56 | 23 25 | 23 25 | 19 21 | 14 34 | 6 24 |
| S 30 | 4s44 | 0s12 | 4s59 | 0s12 | 1n36 | 21s30 | 2s15 | 3n58 | 1n 3 | 20s42 | 1s 1 | 12n 5 | 1n38 | 20s41 | 0n 3 | 11s57 | 1n48 | 21n41 | 14n56 | 23n26 | 23n25 | 19n23 | 14s34 | 6n23 |

Julian Day Number = 2078150.5, Delta T = 26m17s
Ecliptic obliquity = 23°34'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'31, Lahiri = 9°36'32 Julian Calendar 1 Sept. 977 == Greg. Calendar 6 Sept. 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## OCTOBER 977 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 59 5 | 12♎54'24 | 23♈30 | 5♎52 | 26♏58 | 23♍ 6 | 2♒33 | 2♍49 | 2♐20 | 6♏13 | 9♍51 | 5°R57 | 6♋19 | 8♊16 | 27°D10 | M 1 |
| T 2 | 1 3 2 | 13°54'10 | 5♉47 | 7°34 | 28° 7 | 23°45 | 2°35 | 2°55 | 2°23 | 6°15 | 9°53 | 5♋44 | 6°15 | 8°22 | 27♑10 | T 2 |
| W 3 | 1 6 58 | 14°53'59 | 17°52 | 9°16 | 29°15 | 24°24 | 2°37 | 3° 1 | 2°26 | 6°17 | 9°54 | 5°34 | 6°12 | 8°29 | 27°10 | W 3 |
| T 4 | 1 10 55 | 15°53'49 | 29°48 | 10°58 | 0♐23 | 25° 3 | 2°39 | 3° 8 | 2°28 | 6°19 | 9°56 | 5°26 | 6° 9 | 8°36 | 27°10 | T 4 |
| F 5 | 1 14 52 | 16°53'42 | 11♊37 | 12°39 | 1°32 | 25°42 | 2°41 | 3°14 | 2°31 | 6°21 | 9°58 | 5°21 | 6° 6 | 8°42 | 27°11 | F 5 |
| S 6 | 1 18 48 | 17°53'37 | 23°24 | 14°20 | 2°40 | 26°21 | 2°43 | 3°20 | 2°34 | 6°23 | 10° 0 | 5°19 | 6° 3 | 8°49 | 27°11 | S 6 |
| S 7 | 1 22 45 | 18°53'34 | 5♋13 | 16° 0 | 3°48 | 26°59 | 2°46 | 3°26 | 2°37 | 6°26 | 10° 2 | 5°D18 | 5°59 | 8°56 | 27°11 | S 7 |
| M 8 | 1 26 41 | 19°53'33 | 17°10 | 17°40 | 4°56 | 27°38 | 2°49 | 3°32 | 2°40 | 6°28 | 10° 4 | 5°R19 | 5°56 | 9° 2 | 27°12 | M 8 |
| T 9 | 1 30 38 | 20°53'35 | 29°20 | 19°20 | 6° 4 | 28°17 | 2°52 | 3°38 | 2°43 | 6°30 | 10° 5 | 5°18 | 5°53 | 9° 9 | 27°12 | T 9 |
| W10 | 1 34 34 | 21°53'38 | 11♌48 | 20°59 | 7°11 | 28°56 | 2°55 | 3°44 | 2°46 | 6°32 | 10° 7 | 5°17 | 5°50 | 9°16 | 27°13 | W10 |
| T 11 | 1 38 31 | 22°53'44 | 24°39 | 22°37 | 8°19 | 29°35 | 2°58 | 3°50 | 2°49 | 6°34 | 10° 9 | 5°13 | 5°47 | 9°22 | 27°14 | T 11 |
| F 12 | 1 42 27 | 23°53'52 | 7♍57 | 24°15 | 9°26 | 0♎14 | 3° 2 | 3°55 | 2°52 | 6°37 | 10°11 | 5° 6 | 5°44 | 9°29 | 27°14 | F 12 |
| S 13 | 1 46 24 | 24°54'02 | 21°44 | 25°53 | 10°33 | 0°54 | 3° 6 | 4° 1 | 2°55 | 6°39 | 10°12 | 4°57 | 5°40 | 9°36 | 27°15 | S 13 |
| S 14 | 1 50 21 | 25°54'14 | 5♎57 | 27°30 | 11°40 | 1°33 | 3°10 | 4° 7 | 2°58 | 6°41 | 10°14 | 4°47 | 5°37 | 9°42 | 27°16 | S 14 |
| M15 | 1 54 17 | 26°54'28 | 20°33 | 29° 6 | 12°47 | 2°12 | 3°14 | 4°12 | 3° 1 | 6°43 | 10°16 | 4°36 | 5°34 | 9°49 | 27°17 | M15 |
| T 16 | 1 58 14 | 27°54'44 | 5♏24 | 0♏43 | 13°54 | 2°51 | 3°18 | 4°18 | 3° 4 | 6°45 | 10°17 | 4°26 | 5°31 | 9°56 | 27°18 | T 16 |
| W17 | 2 2 10 | 28°55'02 | 20°22 | 2°19 | 15° 0 | 3°30 | 3°23 | 4°23 | 3° 7 | 6°48 | 10°19 | 4°17 | 5°28 | 10° 2 | 27°19 | W17 |
| T 18 | 2 6 7 | 29°55'22 | 5♐18 | 3°54 | 16° 7 | 4° 9 | 3°28 | 4°28 | 3°10 | 6°50 | 10°20 | 4°12 | 5°25 | 10° 9 | 27°20 | T 18 |
| F 19 | 2 10 3 | 0♏55'43 | 20° 3 | 5°29 | 17°13 | 4°48 | 3°32 | 4°34 | 3°14 | 6°52 | 10°22 | 4° 9 | 5°21 | 10°16 | 27°21 | F 19 |
| S 20 | 2 14 0 | 1°56'06 | 4♑32 | 7° 4 | 18°19 | 5°27 | 3°37 | 4°39 | 3°17 | 6°54 | 10°24 | 4°D 8 | 5°18 | 10°22 | 27°23 | S 20 |
| S 21 | 2 17 56 | 2°56'30 | 18°42 | 8°38 | 19°25 | 6° 6 | 3°43 | 4°44 | 3°20 | 6°57 | 10°25 | 4° 8 | 5°15 | 10°29 | 27°24 | S 21 |
| M22 | 2 21 53 | 3°56'55 | 2♒33 | 10°12 | 20°30 | 6°46 | 3°48 | 4°49 | 3°23 | 6°59 | 10°27 | 4°R 9 | 5°12 | 10°36 | 27°25 | M22 |
| T 23 | 2 25 50 | 4°57'22 | 16° 5 | 11°46 | 21°35 | 7°25 | 3°54 | 4°54 | 3°27 | 7° 1 | 10°28 | 4° 8 | 5° 9 | 10°42 | 27°27 | T 23 |
| W24 | 2 29 46 | 5°57'50 | 29°20 | 13°19 | 22°40 | 8° 4 | 4° 0 | 4°59 | 3°30 | 7° 3 | 10°30 | 4° 5 | 5° 5 | 10°49 | 27°28 | W24 |
| T 25 | 2 33 43 | 6°58'20 | 12♓19 | 14°53 | 23°45 | 8°43 | 4° 5 | 5° 4 | 3°33 | 7° 6 | 10°31 | 4° 0 | 5° 2 | 10°56 | 27°30 | T 25 |
| F 26 | 2 37 39 | 7°58'50 | 25° 6 | 16°25 | 24°50 | 9°23 | 4°12 | 5° 8 | 3°37 | 7° 8 | 10°32 | 3°53 | 4°59 | 11° 2 | 27°32 | F 26 |
| S 27 | 2 41 36 | 8°59'23 | 7♈40 | 17°58 | 25°54 | 10° 2 | 4°18 | 5°13 | 3°40 | 7°10 | 10°34 | 3°44 | 4°56 | 11° 9 | 27°33 | S 27 |
| S 28 | 2 45 32 | 9°59'56 | 20° 4 | 19°30 | 26°58 | 10°41 | 4°24 | 5°18 | 3°44 | 7°12 | 10°35 | 3°33 | 4°53 | 11°16 | 27°35 | S 28 |
| M29 | 2 49 29 | 11° 0'31 | 2♉18 | 21° 3 | 28° 2 | 11°20 | 4°31 | 5°22 | 3°47 | 7°15 | 10°36 | 3°23 | 4°50 | 11°22 | 27°37 | M29 |
| T 30 | 2 53 25 | 12° 1'08 | 14°24 | 22°35 | 29° 6 | 12° 0 | 4°38 | 5°27 | 3°50 | 7°17 | 10°38 | 3°13 | 4°46 | 11°29 | 27°39 | T 30 |
| W31 | 2 57 22 | 13♏ 1'46 | 26♉21 | 24♏ 6 | 0♑ 9 | 12♎39 | 4♒45 | 5♍31 | 3♐54 | 7♏19 | 10♍39 | 3♋ 5 | 4♋43 | 11♊36 | 27♑41 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s 7 | 4n45 | 4s46 | 0s57 | 1n31 | 21s49 | 2s18 | 3n43 | 1n 3 | 20s41 | 1s 1 | 12n 3 | 1n38 | 20s41 | 0n 3 | 11s58 | 1n48 | 21n41 | 14n56 | 23n26 | 23n25 | 19n25 | 14s35 | 6n23 |
| T 2 | 5 31 | 9 26 | 4 20 | 1 42 | 1 26 | 22 8 | 2 21 | 3 27 | 1 2 | 20 41 | 1 1 | 12 1 | 1 38 | 20 42 | 0 3 | 11 59 | 1 48 | 21 40 | 14 57 | 23 27 | 23 25 | 19 27 | 14 35 | 6 23 |
| W 3 | 5 54 | 13 41 | 3 43 | 2 28 | 1 21 | 22 27 | 2 24 | 3 11 | 1 2 | 20 40 | 1 1 | 11 59 | 1 38 | 20 42 | 0 3 | 12 0 | 1 48 | 21 40 | 14 57 | 23 27 | 23 26 | 19 28 | 14 35 | 6 22 |
| T 4 | 6 17 | 17 21 | 2 56 | 3 13 | 1 15 | 22 44 | 2 27 | 2 56 | 1 2 | 20 40 | 1 1 | 11 56 | 1 38 | 20 43 | 0 3 | 12 0 | 1 48 | 21 39 | 14 57 | 23 28 | 23 26 | 19 30 | 14 36 | 6 22 |
| F 5 | 6 40 | 20 17 | 2 2 | 3 58 | 1 9 | 23 2 | 2 30 | 2 40 | 1 2 | 20 39 | 1 1 | 11 54 | 1 39 | 20 44 | 0 3 | 12 1 | 1 48 | 21 39 | 14 58 | 23 28 | 23 26 | 19 32 | 14 36 | 6 21 |
| S 6 | 7 3 | 22 22 | 1 3 | 4 43 | 1 3 | 23 18 | 2 33 | 2 24 | 1 2 | 20 39 | 1 1 | 11 52 | 1 39 | 20 44 | 0 3 | 12 2 | 1 48 | 21 39 | 14 58 | 23 28 | 23 26 | 19 34 | 14 36 | 6 21 |
| S 7 | 7 26 | 23 28 | 0 0 | 5 27 | 0 57 | 23 34 | 2 36 | 2 8 | 1 1 | 20 38 | 1 1 | 11 50 | 1 39 | 20 45 | 0 3 | 12 2 | 1 48 | 21 38 | 14 58 | 23 28 | 23 26 | 19 36 | 14 37 | 6 20 |
| M 8 | 7 49 | 23 30 | 1n 3 | 6 11 | 0 51 | 23 50 | 2 38 | 1 53 | 1 1 | 20 37 | 1 0 | 11 48 | 1 39 | 20 45 | 0 3 | 12 3 | 1 48 | 21 38 | 14 59 | 23 28 | 23 26 | 19 37 | 14 37 | 6 20 |
| T 9 | 8 12 | 22 25 | 2 4 | 6 55 | 0 45 | 24 5 | 2 41 | 1 37 | 1 1 | 20 36 | 1 0 | 11 46 | 1 39 | 20 46 | 0 3 | 12 4 | 1 48 | 21 37 | 14 59 | 23 28 | 23 26 | 19 39 | 14 37 | 6 20 |
| W10 | 8 35 | 20 14 | 3 1 | 7 38 | 0 38 | 24 19 | 2 44 | 1 21 | 1 1 | 20 35 | 1 0 | 11 44 | 1 39 | 20 47 | 0 3 | 12 5 | 1 48 | 21 37 | 14 59 | 23 28 | 23 27 | 19 41 | 14 38 | 6 19 |
| T 11 | 8 57 | 17 0 | 3 51 | 8 21 | 0 32 | 24 33 | 2 46 | 1 5 | 1 0 | 20 35 | 1 0 | 11 42 | 1 40 | 20 47 | 0 3 | 12 5 | 1 48 | 21 37 | 15 0 | 23 28 | 23 27 | 19 43 | 14 38 | 6 19 |
| F 12 | 9 19 | 12 48 | 4 30 | 9 4 | 0 25 | 24 46 | 2 48 | 0 49 | 1 0 | 20 34 | 1 0 | 11 40 | 1 40 | 20 48 | 0 3 | 12 6 | 1 48 | 21 36 | 15 0 | 23 28 | 23 27 | 19 44 | 14 38 | 6 18 |
| S 13 | 9 42 | 7 48 | 4 55 | 9 46 | 0 19 | 24 58 | 2 51 | 0 34 | 1 0 | 20 33 | 1 0 | 11 38 | 1 40 | 20 48 | 0 3 | 12 7 | 1 48 | 21 36 | 15 0 | 23 29 | 23 27 | 19 46 | 14 39 | 6 18 |
| S 14 | 10 4 | 2 15 | 5 3 | 10 27 | 0 12 | 25 10 | 2 53 | 0 18 | 1 0 | 20 32 | 1 0 | 11 37 | 1 40 | 20 49 | 0 3 | 12 8 | 1 48 | 21 36 | 15 1 | 23 29 | 23 27 | 19 48 | 14 39 | 6 17 |
| M15 | 10 26 | 3s34 | 4 51 | 11 8 | 0 5 | 25 21 | 2 55 | 0 2 | 1 0 | 20 31 | 1 0 | 11 35 | 1 40 | 20 50 | 0 3 | 12 8 | 1 48 | 21 35 | 15 1 | 23 29 | 23 27 | 19 50 | 14 39 | 6 17 |
| T 16 | 10 47 | 9 18 | 4 20 | 11 48 | 0s 1 | 25 31 | 2 57 | 0s14 | 0 59 | 20 29 | 1 0 | 11 33 | 1 41 | 20 50 | 0 3 | 12 9 | 1 48 | 21 35 | 15 2 | 23 30 | 23 27 | 19 52 | 14 39 | 6 17 |
| W17 | 11 9 | 14 33 | 3 31 | 12 28 | 0 8 | 25 41 | 2 59 | 0 30 | 0 59 | 20 28 | 0 59 | 11 31 | 1 41 | 20 51 | 0 3 | 12 10 | 1 48 | 21 35 | 15 2 | 23 30 | 23 27 | 19 53 | 14 40 | 6 16 |
| T 18 | 11 30 | 18 53 | 2 27 | 13 7 | 0 15 | 25 50 | 3 1 | 0 46 | 0 59 | 20 27 | 0 59 | 11 29 | 1 41 | 20 51 | 0 3 | 12 11 | 1 48 | 21 35 | 15 2 | 23 30 | 23 28 | 19 55 | 14 40 | 6 16 |
| F 19 | 11 52 | 21 57 | 1 14 | 13 45 | 0 21 | 25 59 | 3 3 | 1 1 | 0 59 | 20 26 | 0 59 | 11 28 | 1 41 | 20 52 | 0 3 | 12 11 | 1 48 | 21 34 | 15 3 | 23 30 | 23 28 | 19 57 | 14 40 | 6 15 |
| S 20 | 12 13 | 23 32 | 0s 2 | 14 23 | 0 28 | 26 7 | 3 4 | 1 17 | 0 58 | 20 25 | 0 59 | 11 26 | 1 41 | 20 53 | 0 3 | 12 12 | 1 48 | 21 34 | 15 3 | 23 30 | 23 28 | 19 59 | 14 40 | 6 15 |
| S 21 | 12 34 | 23 32 | 1 17 | 15 0 | 0 34 | 26 14 | 3 6 | 1 33 | 0 58 | 20 23 | 0 59 | 11 24 | 1 42 | 20 53 | 0 3 | 12 13 | 1 48 | 21 34 | 15 4 | 23 30 | 23 28 | 20 0 | 14 40 | 6 14 |
| M22 | 12 54 | 22 4 | 2 26 | 15 36 | 0 41 | 26 20 | 3 7 | 1 49 | 0 58 | 20 22 | 0 59 | 11 22 | 1 42 | 20 54 | 0 3 | 12 14 | 1 48 | 21 34 | 15 4 | 23 30 | 23 28 | 20 2 | 14 40 | 6 14 |
| T 23 | 13 15 | 19 21 | 3 25 | 16 12 | 0 47 | 26 26 | 3 8 | 2 5 | 0 57 | 20 20 | 0 59 | 11 21 | 1 42 | 20 55 | 0 3 | 12 14 | 1 48 | 21 34 | 15 5 | 23 30 | 23 28 | 20 4 | 14 41 | 6 14 |
| W24 | 13 35 | 15 41 | 4 11 | 16 46 | 0 53 | 26 31 | 3 9 | 2 21 | 0 57 | 20 19 | 0 59 | 11 19 | 1 42 | 20 55 | 0 3 | 12 15 | 1 48 | 21 33 | 15 5 | 23 30 | 23 28 | 20 5 | 14 41 | 6 13 |
| T 25 | 13 55 | 11 20 | 4 44 | 17 20 | 1 0 | 26 36 | 3 11 | 2 36 | 0 57 | 20 17 | 0 59 | 11 18 | 1 42 | 20 56 | 0 3 | 12 16 | 1 48 | 21 33 | 15 5 | 23 31 | 23 28 | 20 7 | 14 41 | 6 13 |
| F 26 | 14 15 | 6 34 | 5 2 | 17 53 | 1 6 | 26 39 | 3 11 | 2 52 | 0 57 | 20 16 | 0 59 | 11 16 | 1 43 | 20 57 | 0 3 | 12 16 | 1 48 | 21 33 | 15 6 | 23 31 | 23 29 | 20 9 | 14 41 | 6 12 |
| S 27 | 14 34 | 1 36 | 5 5 | 18 25 | 1 12 | 26 43 | 3 12 | 3 8 | 0 56 | 20 14 | 0 59 | 11 15 | 1 43 | 20 57 | 0 3 | 12 17 | 1 48 | 21 33 | 15 6 | 23 31 | 23 29 | 20 11 | 14 41 | 6 12 |
| S 28 | 14 54 | 3n22 | 4 53 | 18 57 | 1 17 | 26 45 | 3 13 | 3 24 | 0 56 | 20 13 | 0 58 | 11 13 | 1 43 | 20 58 | 0 3 | 12 18 | 1 48 | 21 33 | 15 7 | 23 31 | 23 29 | 20 12 | 14 41 | 6 12 |
| M29 | 15 13 | 8 9 | 4 28 | 19 27 | 1 23 | 26 47 | 3 13 | 3 39 | 0 56 | 20 11 | 0 58 | 11 12 | 1 43 | 20 59 | 0 3 | 12 19 | 1 48 | 21 33 | 15 7 | 23 32 | 23 29 | 20 14 | 14 41 | 6 11 |
| T 30 | 15 32 | 12 34 | 3 51 | 19 56 | 1 28 | 26 48 | 3 14 | 3 55 | 0 55 | 20 9 | 0 58 | 11 10 | 1 44 | 20 59 | 0 3 | 12 19 | 1 48 | 21 33 | 15 8 | 23 32 | 23 29 | 20 16 | 14 41 | 6 11 |
| W31 | 15s50 | 16n28 | 3s 4 | 20s25 | 1s34 | 26s48 | 3s14 | 4s11 | 0n55 | 20s 7 | 0s58 | 11n 9 | 1n44 | 21s 0 | 0n 3 | 12s20 | 1n48 | 21n33 | 15n 8 | 23n32 | 23n29 | 20n17 | 14s41 | 6n10 |

Julian Day Number = 2078180.5, Delta T = 26m17s
Ecliptic obliquity = 23°34'18, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'35, Lahiri = 9°36'36 Julian Calendar 1 Oct. 977 == Greg. Calendar 6 Oct. 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## NOVEMBER 977 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 1 19 | 14♏ 2'26 | 8♊13 | 25♏38 | 1♑12 | 13♎19 | 4♒52 | 5♍35 | 3♐57 | 7♏21 | 10♍40 | 3°R 0 | 4♋40 | 11♊42 | 27♑43 | T 1 |
| F 2 | 3 5 15 | 15° 3'07 | 20° 0 | 27° 9 | 2°15 | 13°58 | 4°59 | 5°39 | 4° 1 | 7°24 | 10°41 | 2♋56 | 4°37 | 11°49 | 27°45 | F 2 |
| S 3 | 3 9 12 | 16° 3'50 | 1♋47 | 28°40 | 3°17 | 14°37 | 5° 6 | 5°43 | 4° 4 | 7°26 | 10°42 | 2°D55 | 4°34 | 11°55 | 27°47 | S 3 |
| S 4 | 3 13 8 | 17° 4'35 | 13°36 | 0♐11 | 4°19 | 15°17 | 5°14 | 5°47 | 4° 8 | 7°28 | 10°44 | 2°56 | 4°31 | 12° 2 | 27°49 | S 4 |
| M 5 | 3 17 5 | 18° 5'21 | 25°32 | 1°41 | 5°21 | 15°56 | 5°22 | 5°51 | 4°12 | 7°30 | 10°45 | 2°57 | 4°27 | 12° 9 | 27°51 | M 5 |
| T 6 | 3 21 1 | 19° 6'08 | 7♌40 | 3°11 | 6°22 | 16°36 | 5°30 | 5°55 | 4°15 | 7°33 | 10°46 | 2°59 | 4°24 | 12°15 | 27°54 | T 6 |
| W 7 | 3 24 58 | 20° 6'57 | 20° 4 | 4°41 | 7°23 | 17°15 | 5°38 | 5°59 | 4°19 | 7°35 | 10°47 | 2°R59 | 4°21 | 12°22 | 27°56 | W 7 |
| T 8 | 3 28 54 | 21° 7'48 | 2♍50 | 6°10 | 8°23 | 17°55 | 5°46 | 6° 2 | 4°22 | 7°37 | 10°48 | 2°59 | 4°18 | 12°29 | 27°59 | T 8 |
| F 9 | 3 32 51 | 22° 8'40 | 16° 2 | 7°40 | 9°23 | 18°34 | 5°54 | 6° 6 | 4°26 | 7°39 | 10°49 | 2°56 | 4°15 | 12°35 | 28° 1 | F 9 |
| S 10 | 3 36 48 | 23° 9'34 | 29°43 | 9° 8 | 10°23 | 19°14 | 6° 2 | 6° 9 | 4°29 | 7°41 | 10°50 | 2°52 | 4°11 | 12°42 | 28° 4 | S 10 |
| S 11 | 3 40 44 | 24°10'29 | 13♎53 | 10°36 | 11°22 | 19°53 | 6°11 | 6°13 | 4°33 | 7°44 | 10°51 | 2°46 | 4° 8 | 12°49 | 28° 6 | S 11 |
| M12 | 3 44 41 | 25°11'25 | 28°30 | 12° 4 | 12°21 | 20°33 | 6°20 | 6°16 | 4°37 | 7°46 | 10°52 | 2°40 | 4° 5 | 12°55 | 28° 9 | M12 |
| T 13 | 3 48 37 | 26°12'23 | 13♏28 | 13°31 | 13°20 | 21°12 | 6°29 | 6°19 | 4°40 | 7°48 | 10°52 | 2°34 | 4° 2 | 13° 2 | 28°12 | T 13 |
| W14 | 3 52 34 | 27°13'21 | 28°38 | 14°57 | 14°18 | 21°52 | 6°38 | 6°22 | 4°44 | 7°50 | 10°53 | 2°30 | 3°59 | 13° 9 | 28°15 | W14 |
| T 15 | 3 56 30 | 28°14'21 | 13♐51 | 16°22 | 15°15 | 22°32 | 6°47 | 6°25 | 4°48 | 7°52 | 10°54 | 2°27 | 3°56 | 13°15 | 28°17 | T 15 |
| F 16 | 4 0 27 | 29°15'22 | 28°57 | 17°46 | 16°12 | 23°11 | 6°56 | 6°28 | 4°51 | 7°54 | 10°55 | 2°D26 | 3°52 | 13°22 | 28°20 | F 16 |
| S 17 | 4 4 23 | 0♐16'24 | 13♑47 | 19° 8 | 17° 8 | 23°51 | 7° 5 | 6°31 | 4°55 | 7°57 | 10°56 | 2°26 | 3°49 | 13°29 | 28°23 | S 17 |
| S 18 | 4 8 20 | 1°17'26 | 28°15 | 20°30 | 18° 4 | 24°31 | 7°15 | 6°33 | 4°59 | 7°59 | 10°56 | 2°27 | 3°46 | 13°35 | 28°26 | S 18 |
| M19 | 4 12 17 | 2°18'29 | 12♒18 | 21°49 | 18°59 | 25°10 | 7°25 | 6°36 | 5° 2 | 8° 1 | 10°57 | 2°29 | 3°43 | 13°42 | 28°29 | M19 |
| T 20 | 4 16 13 | 3°19'33 | 25°57 | 23° 6 | 19°54 | 25°50 | 7°34 | 6°38 | 5° 6 | 8° 3 | 10°58 | 2°30 | 3°40 | 13°49 | 28°32 | T 20 |
| W21 | 4 20 10 | 4°20'37 | 9♓13 | 24°22 | 20°48 | 26°30 | 7°44 | 6°40 | 5°10 | 8° 5 | 10°58 | 2°R30 | 3°37 | 13°55 | 28°35 | W21 |
| T 22 | 4 24 6 | 5°21'41 | 22° 7 | 25°34 | 21°41 | 27° 9 | 7°54 | 6°43 | 5°13 | 8° 7 | 10°59 | 2°29 | 3°33 | 14° 2 | 28°39 | T 22 |
| F 23 | 4 28 3 | 6°22'46 | 4♈44 | 26°43 | 22°34 | 27°49 | 8° 5 | 6°45 | 5°17 | 8° 9 | 10°59 | 2°26 | 3°30 | 14° 9 | 28°42 | F 23 |
| S 24 | 4 31 59 | 7°23'51 | 17° 6 | 27°48 | 23°26 | 28°29 | 8°15 | 6°47 | 5°21 | 8°11 | 11° 0 | 2°23 | 3°27 | 14°15 | 28°45 | S 24 |
| S 25 | 4 35 56 | 8°24'57 | 29°17 | 28°49 | 24°17 | 29° 9 | 8°25 | 6°49 | 5°24 | 8°13 | 11° 0 | 2°19 | 3°24 | 14°22 | 28°48 | S 25 |
| M26 | 4 39 52 | 9°26'03 | 11♉19 | 29°46 | 25° 7 | 29°49 | 8°36 | 6°51 | 5°28 | 8°15 | 11° 1 | 2°15 | 3°21 | 14°29 | 28°52 | M26 |
| T 27 | 4 43 49 | 10°27'10 | 23°15 | 0♑36 | 25°57 | 0♏28 | 8°46 | 6°52 | 5°31 | 8°17 | 11° 1 | 2°11 | 3°17 | 14°35 | 28°55 | T 27 |
| W28 | 4 47 46 | 11°28'18 | 5♊ 6 | 1°20 | 26°46 | 1° 8 | 8°57 | 6°54 | 5°35 | 8°19 | 11° 1 | 2° 8 | 3°14 | 14°42 | 28°59 | W28 |
| T 29 | 4 51 42 | 12°29'26 | 16°55 | 1°57 | 27°33 | 1°48 | 9° 8 | 6°55 | 5°39 | 8°21 | 11° 2 | 2° 6 | 3°11 | 14°49 | 29° 2 | T 29 |
| F 30 | 4 55 39 | 13♐30'34 | 28♊43 | 2♑26 | 28♑20 | 2♏28 | 9♒19 | 6♍57 | 5♐42 | 8♏23 | 11♍ 2 | 2°D 5 | 3♋ 8 | 14♊55 | 29♑ 6 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s 8 | 19n40 | 2s 9 | 20s52 | 1s39 | 26s48 | 3s14 | 4s26 | 0n55 | 20s 6 | 0s58 | 11n 8 | 1n44 | 21s 1 | 0n 3 | 12s21 | 1n48 | 21n33 | 15n 9 | 23n32 | 23n29 | 20n19 | 14s41 | 6n10 |
| F 2 | 16 26 | 22 2 | 1 9 | 21 19 | 1 44 | 26 47 | 3 14 | 4 42 | 0 55 | 20 4 | 0 58 | 11 6 | 1 44 | 21 1 | 0 3 | 12 22 | 1 48 | 21 33 | 15 9 | 23 32 | 23 29 | 20 21 | 14 41 | 6 10 |
| S 3 | 16 44 | 23 27 | 0 6 | 21 44 | 1 49 | 26 45 | 3 14 | 4 58 | 0 54 | 20 2 | 0 58 | 11 5 | 1 45 | 21 2 | 0 3 | 12 22 | 1 48 | 21 33 | 15 10 | 23 32 | 23 30 | 20 23 | 14 41 | 6 9 |
| S 4 | 17 2 | 23 50 | 0n58 | 22 8 | 1 53 | 26 43 | 3 13 | 5 13 | 0 54 | 20 0 | 0 58 | 11 4 | 1 45 | 21 3 | 0 3 | 12 23 | 1 48 | 21 33 | 15 10 | 23 32 | 23 30 | 20 24 | 14 41 | 6 9 |
| M 5 | 17 19 | 23 7 | 2 0 | 22 32 | 1 57 | 26 40 | 3 13 | 5 29 | 0 54 | 19 58 | 0 58 | 11 2 | 1 45 | 21 3 | 0 3 | 12 24 | 1 48 | 21 33 | 15 11 | 23 32 | 23 30 | 20 26 | 14 41 | 6 8 |
| T 6 | 17 36 | 21 19 | 2 57 | 22 54 | 2 1 | 26 37 | 3 12 | 5 44 | 0 53 | 19 56 | 0 58 | 11 1 | 1 45 | 21 4 | 0 3 | 12 24 | 1 48 | 21 33 | 15 11 | 23 32 | 23 30 | 20 28 | 14 41 | 6 8 |
| W 7 | 17 52 | 18 28 | 3 48 | 23 14 | 2 5 | 26 33 | 3 11 | 6 0 | 0 53 | 19 54 | 0 58 | 11 0 | 1 45 | 21 5 | 0 3 | 12 25 | 1 48 | 21 33 | 15 12 | 23 32 | 23 30 | 20 29 | 14 41 | 6 8 |
| T 8 | 18 8 | 14 42 | 4 29 | 23 34 | 2 8 | 26 28 | 3 10 | 6 15 | 0 53 | 19 52 | 0 57 | 10 59 | 1 46 | 21 5 | 0 3 | 12 26 | 1 48 | 21 33 | 15 12 | 23 32 | 23 30 | 20 31 | 14 41 | 6 7 |
| F 9 | 18 24 | 10 6 | 4 58 | 23 52 | 2 12 | 26 22 | 3 9 | 6 31 | 0 52 | 19 50 | 0 57 | 10 58 | 1 46 | 21 6 | 0 3 | 12 27 | 1 48 | 21 33 | 15 13 | 23 32 | 23 30 | 20 33 | 14 41 | 6 7 |
| S 10 | 18 40 | 4 51 | 5 10 | 24 9 | 2 14 | 26 16 | 3 7 | 6 46 | 0 52 | 19 47 | 0 57 | 10 57 | 1 46 | 21 7 | 0 3 | 12 27 | 1 48 | 21 33 | 15 13 | 23 32 | 23 30 | 20 34 | 14 40 | 6 7 |
| S 11 | 18 55 | 0s49 | 5 5 | 24 25 | 2 17 | 26 10 | 3 6 | 7 1 | 0 52 | 19 45 | 0 57 | 10 56 | 1 46 | 21 7 | 0 3 | 12 28 | 1 48 | 21 33 | 15 14 | 23 33 | 23 30 | 20 36 | 14 40 | 6 6 |
| M12 | 19 10 | 6 38 | 4 40 | 24 39 | 2 19 | 26 3 | 3 4 | 7 17 | 0 51 | 19 43 | 0 57 | 10 55 | 1 47 | 21 8 | 0 3 | 12 29 | 1 48 | 21 33 | 15 14 | 23 33 | 23 30 | 20 38 | 14 40 | 6 6 |
| T 13 | 19 25 | 12 13 | 3 56 | 24 52 | 2 20 | 25 55 | 3 2 | 7 32 | 0 51 | 19 41 | 0 57 | 10 54 | 1 47 | 21 9 | 0 3 | 12 29 | 1 48 | 21 33 | 15 15 | 23 33 | 23 31 | 20 39 | 14 40 | 6 6 |
| W14 | 19 39 | 17 8 | 2 54 | 25 3 | 2 21 | 25 47 | 3 0 | 7 47 | 0 50 | 19 38 | 0 57 | 10 53 | 1 47 | 21 9 | 0 3 | 12 30 | 1 48 | 21 34 | 15 15 | 23 33 | 23 31 | 20 41 | 14 40 | 6 5 |
| T 15 | 19 53 | 20 56 | 1 40 | 25 13 | 2 22 | 25 38 | 2 57 | 8 2 | 0 50 | 19 36 | 0 57 | 10 52 | 1 47 | 21 10 | 0 3 | 12 31 | 1 48 | 21 34 | 15 16 | 23 33 | 23 31 | 20 43 | 14 40 | 6 5 |
| F 16 | 20 6 | 23 15 | 0 19 | 25 22 | 2 22 | 25 29 | 2 55 | 8 17 | 0 50 | 19 33 | 0 57 | 10 51 | 1 48 | 21 11 | 0 3 | 12 31 | 1 48 | 21 34 | 15 16 | 23 33 | 23 31 | 20 44 | 14 39 | 6 4 |
| S 17 | 20 19 | 23 53 | 1s 2 | 25 28 | 2 21 | 25 19 | 2 52 | 8 32 | 0 49 | 19 31 | 0 57 | 10 51 | 1 48 | 21 11 | 0 3 | 12 32 | 1 48 | 21 34 | 15 17 | 23 33 | 23 31 | 20 46 | 14 39 | 6 4 |
| S 18 | 20 32 | 22 52 | 2 17 | 25 34 | 2 20 | 25 8 | 2 49 | 8 47 | 0 49 | 19 28 | 0 57 | 10 50 | 1 48 | 21 12 | 0 3 | 12 33 | 1 48 | 21 34 | 15 17 | 23 33 | 23 31 | 20 47 | 14 39 | 6 4 |
| M19 | 20 44 | 20 25 | 3 21 | 25 37 | 2 19 | 24 57 | 2 46 | 9 2 | 0 49 | 19 26 | 0 57 | 10 49 | 1 48 | 21 13 | 0 3 | 12 33 | 1 48 | 21 35 | 15 18 | 23 33 | 23 31 | 20 49 | 14 39 | 6 3 |
| T 20 | 20 56 | 16 54 | 4 13 | 25 39 | 2 16 | 24 46 | 2 43 | 9 17 | 0 48 | 19 23 | 0 56 | 10 48 | 1 49 | 21 13 | 0 3 | 12 34 | 1 48 | 21 35 | 15 18 | 23 33 | 23 31 | 20 51 | 14 38 | 6 3 |
| W21 | 21 8 | 12 37 | 4 49 | 25 40 | 2 13 | 24 34 | 2 39 | 9 32 | 0 48 | 19 21 | 0 56 | 10 48 | 1 49 | 21 14 | 0 3 | 12 35 | 1 48 | 21 35 | 15 19 | 23 33 | 23 31 | 20 52 | 14 38 | 6 3 |
| T 22 | 21 19 | 7 52 | 5 9 | 25 39 | 2 9 | 24 22 | 2 35 | 9 47 | 0 47 | 19 18 | 0 56 | 10 47 | 1 49 | 21 15 | 0 3 | 12 35 | 1 48 | 21 35 | 15 19 | 23 33 | 23 31 | 20 54 | 14 38 | 6 3 |
| F 23 | 21 30 | 2 54 | 5 14 | 25 36 | 2 4 | 24 9 | 2 31 | 10 2 | 0 47 | 19 15 | 0 56 | 10 47 | 1 50 | 21 15 | 0 3 | 12 36 | 1 48 | 21 36 | 15 20 | 23 33 | 23 31 | 20 56 | 14 37 | 6 2 |
| S 24 | 21 40 | 2n 5 | 5 4 | 25 31 | 1 58 | 23 56 | 2 27 | 10 16 | 0 47 | 19 12 | 0 56 | 10 46 | 1 50 | 21 16 | 0 3 | 12 37 | 1 48 | 21 36 | 15 21 | 23 33 | 23 32 | 20 57 | 14 37 | 6 2 |
| S 25 | 21 50 | 6 55 | 4 40 | 25 25 | 1 51 | 23 43 | 2 22 | 10 31 | 0 46 | 19 10 | 0 56 | 10 46 | 1 50 | 21 17 | 0 3 | 12 37 | 1 48 | 21 36 | 15 21 | 23 33 | 23 32 | 20 59 | 14 37 | 6 2 |
| M26 | 21 59 | 11 26 | 4 4 | 25 18 | 1 43 | 23 29 | 2 17 | 10 45 | 0 46 | 19 7 | 0 56 | 10 45 | 1 50 | 21 17 | 0 3 | 12 38 | 1 48 | 21 37 | 15 22 | 23 33 | 23 32 | 21 0 | 14 36 | 6 1 |
| T 27 | 22 8 | 15 29 | 3 18 | 25 9 | 1 34 | 23 14 | 2 12 | 11 0 | 0 45 | 19 4 | 0 56 | 10 45 | 1 51 | 21 18 | 0 3 | 12 38 | 1 48 | 21 37 | 15 22 | 23 33 | 23 32 | 21 2 | 14 36 | 6 1 |
| W28 | 22 17 | 18 55 | 2 24 | 24 58 | 1 24 | 23 0 | 2 7 | 11 14 | 0 45 | 19 1 | 0 56 | 10 44 | 1 51 | 21 19 | 0 3 | 12 39 | 1 48 | 21 37 | 15 23 | 23 33 | 23 32 | 21 4 | 14 35 | 6 1 |
| T 29 | 22 25 | 21 33 | 1 23 | 24 46 | 1 13 | 22 45 | 2 1 | 11 28 | 0 44 | 18 58 | 0 56 | 10 44 | 1 51 | 21 19 | 0 3 | 12 40 | 1 48 | 21 38 | 15 23 | 23 33 | 23 32 | 21 5 | 14 35 | 6 0 |
| F 30 | 22s33 | 23n15 | 0s19 | 24s33 | 1s 0 | 22s30 | 1s56 | 11s42 | 0n44 | 18s55 | 0s56 | 10n44 | 1n51 | 21s20 | 0n 3 | 12s40 | 1n48 | 21n38 | 15n24 | 23n33 | 23n32 | 21n 7 | 14s35 | 6n 0 |

Julian Day Number = 2078211.5, Delta T = 26m16s
Ecliptic obliquity = 23°34'17, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'39, Lahiri = 9°36'40 Julian Calendar 1 Nov. 977 == Greg. Calendar 6 Nov. 977


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# ASTRODIENST EPHEMERIS for the year 977
# geocentric

## DECEMBER 977 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 59 35 | 14♐31'43 | 10♋32 | 2♑45 | 29♑ 6 | 3♏ 8 | 9♒30 | 6♍58 | 5♐46 | 8♏25 | 11♍ 2 | 2♋ 5 | 3♋ 5 | 15♊ 2 | 29♑ 9 | S 1 |
| S 2 | 5 3 32 | 15°32'53 | 22°26 | 2°R55 | 29°51 | 3°48 | 9°41 | 6°59 | 5°50 | 8°27 | 11° 3 | 2° 6 | 3° 2 | 15° 8 | 29°13 | S 2 |
| M 3 | 5 7 28 | 16°34'03 | 4♌27 | 2°54 | 0♒35 | 4°28 | 9°52 | 7° 0 | 5°53 | 8°29 | 11° 3 | 2° 8 | 2°58 | 15°15 | 29°17 | M 3 |
| T 4 | 5 11 25 | 17°35'13 | 16°38 | 2°42 | 1°18 | 5° 8 | 10° 4 | 7° 1 | 5°57 | 8°30 | 11° 3 | 2° 9 | 2°55 | 15°22 | 29°20 | T 4 |
| W 5 | 5 15 21 | 18°36'24 | 29° 4 | 2°17 | 2° 0 | 5°48 | 10°15 | 7° 2 | 6° 0 | 8°32 | 11° 3 | 2°10 | 2°52 | 15°28 | 29°24 | W 5 |
| T 6 | 5 19 18 | 19°37'36 | 11♍48 | 1°42 | 2°40 | 6°28 | 10°27 | 7° 3 | 6° 4 | 8°34 | 11° 3 | 2°11 | 2°49 | 15°35 | 29°28 | T 6 |
| F 7 | 5 23 15 | 20°38'48 | 24°53 | 0°54 | 3°20 | 7° 8 | 10°38 | 7° 3 | 6° 8 | 8°36 | 11° 3 | 2°R11 | 2°46 | 15°42 | 29°32 | F 7 |
| S 8 | 5 27 11 | 21°40'00 | 8♎23 | 29♐56 | 3°58 | 7°48 | 10°50 | 7° 4 | 6°11 | 8°38 | 11°R 3 | 2°11 | 2°43 | 15°48 | 29°36 | S 8 |
| S 9 | 5 31 8 | 22°41'13 | 22°20 | 28°49 | 4°35 | 8°28 | 11° 2 | 7° 4 | 6°15 | 8°39 | 11° 3 | 2°10 | 2°39 | 15°55 | 29°40 | S 9 |
| M10 | 5 35 4 | 23°42'27 | 6♏42 | 27°35 | 5°10 | 9° 8 | 11°14 | 7° 4 | 6°18 | 8°41 | 11° 3 | 2° 9 | 2°36 | 16° 2 | 29°43 | M10 |
| T 11 | 5 39 1 | 24°43'40 | 21°28 | 26°16 | 5°44 | 9°48 | 11°26 | 7° 5 | 6°22 | 8°43 | 11° 3 | 2° 8 | 2°33 | 16° 8 | 29°47 | T 11 |
| W12 | 5 42 57 | 25°44'54 | 6♐32 | 24°55 | 6°17 | 10°28 | 11°38 | 7°R 5 | 6°25 | 8°45 | 11° 3 | 2° 7 | 2°30 | 16°15 | 29°51 | W12 |
| T 13 | 5 46 54 | 26°46'08 | 21°44 | 23°34 | 6°48 | 11° 8 | 11°50 | 7° 5 | 6°29 | 8°46 | 11° 3 | 2° 7 | 2°27 | 16°22 | 29°55 | T 13 |
| F 14 | 5 50 50 | 27°47'23 | 6♑56 | 22°16 | 7°17 | 11°48 | 12° 2 | 7° 4 | 6°32 | 8°48 | 11° 3 | 2°D 7 | 2°23 | 16°28 | 29°59 | F 14 |
| S 15 | 5 54 47 | 28°48'37 | 21°57 | 21° 3 | 7°45 | 12°28 | 12°15 | 7° 4 | 6°36 | 8°50 | 11° 3 | 2° 7 | 2°20 | 16°35 | 0♒ 4 | S 15 |
| S 16 | 5 58 44 | 29°49'50 | 6♒40 | 19°58 | 8°11 | 13° 8 | 12°27 | 7° 4 | 6°39 | 8°51 | 11° 2 | 2° 7 | 2°17 | 16°42 | 0° 8 | S 16 |
| M17 | 6 2 40 | 0♑51'04 | 21° 0 | 19° 1 | 8°35 | 13°49 | 12°40 | 7° 3 | 6°43 | 8°53 | 11° 2 | 2° 7 | 2°14 | 16°48 | 0°12 | M17 |
| T 18 | 6 6 37 | 1°52'17 | 4♓52 | 18°14 | 8°58 | 14°29 | 12°52 | 7° 3 | 6°46 | 8°54 | 11° 2 | 2°R 7 | 2°11 | 16°55 | 0°16 | T 18 |
| W19 | 6 10 33 | 2°53'29 | 18°16 | 17°36 | 9°18 | 15° 9 | 13° 5 | 7° 2 | 6°50 | 8°56 | 11° 1 | 2° 7 | 2° 8 | 17° 2 | 0°20 | W19 |
| T 20 | 6 14 30 | 3°54'40 | 1♈16 | 17° 8 | 9°37 | 15°49 | 13°18 | 7° 1 | 6°53 | 8°57 | 11° 1 | 2°D 7 | 2° 4 | 17° 8 | 0°25 | T 20 |
| F 21 | 6 18 26 | 4°55'51 | 13°53 | 16°51 | 9°53 | 16°29 | 13°30 | 7° 0 | 6°56 | 8°59 | 11° 1 | 2° 7 | 2° 1 | 17°15 | 0°29 | F 21 |
| S 22 | 6 22 23 | 5°57'02 | 26°12 | 16°D42 | 10° 7 | 17°10 | 13°43 | 6°59 | 7° 0 | 9° 0 | 11° 0 | 2° 7 | 1°58 | 17°22 | 0°33 | S 22 |
| S 23 | 6 26 20 | 6°58'11 | 8♉17 | 16°43 | 10°19 | 17°50 | 13°56 | 6°58 | 7° 3 | 9° 2 | 11° 0 | 2° 8 | 1°55 | 17°28 | 0°37 | S 23 |
| M24 | 6 30 16 | 7°59'21 | 20°12 | 16°52 | 10°29 | 18°30 | 14° 9 | 6°57 | 7° 6 | 9° 3 | 10°59 | 2° 9 | 1°52 | 17°35 | 0°42 | M24 |
| T 25 | 6 34 13 | 9° 0'29 | 2♊ 2 | 17° 8 | 10°37 | 19°10 | 14°22 | 6°55 | 7° 9 | 9° 4 | 10°59 | 2° 9 | 1°49 | 17°41 | 0°46 | T 25 |
| W26 | 6 38 9 | 10° 1'37 | 13°49 | 17°32 | 10°42 | 19°51 | 14°35 | 6°54 | 7°13 | 9° 6 | 10°58 | 2°10 | 1°45 | 17°48 | 0°50 | W26 |
| T 27 | 6 42 6 | 11° 2'44 | 25°37 | 18° 1 | 10°45 | 20°31 | 14°49 | 6°52 | 7°16 | 9° 7 | 10°57 | 2°10 | 1°42 | 17°55 | 0°55 | T 27 |
| F 28 | 6 46 2 | 12° 3'51 | 7♋29 | 18°37 | 10°R45 | 21°11 | 15° 2 | 6°51 | 7°19 | 9° 8 | 10°57 | 2°R10 | 1°39 | 18° 1 | 0°59 | F 28 |
| S 29 | 6 49 59 | 13° 4'57 | 19°25 | 19°18 | 10°43 | 21°52 | 15°15 | 6°49 | 7°22 | 9° 9 | 10°56 | 2°10 | 1°36 | 18° 8 | 1° 4 | S 29 |
| S 30 | 6 53 55 | 14° 6'02 | 1♌29 | 20° 3 | 10°38 | 22°32 | 15°28 | 6°47 | 7°25 | 9°11 | 10°56 | 2° 9 | 1°33 | 18°15 | 1° 8 | S 30 |
| M31 | 6 57 52 | 15♑ 7'06 | 13♌42 | 20♐52 | 10♒31 | 23♏13 | 15♒42 | 6♍45 | 7♐28 | 9♏12 | 10♍55 | 2♋ 7 | 1♋29 | 18♊21 | 1♒12 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s40 | 23n56 | 0n47 | 24s18 | 0s46 | 22s14 | 1s49 | 11s57 | 0n44 | 18s52 | 0s56 | 10n44 | 1n52 | 21s21 | 0n 3 | 12s41 | 1n48 | 21n38 | 15n24 | 23n33 | 23n32 | 21n 8 | 14s34 | 6n 0 |
| S 2 | 22 47 | 23 30 | 1 50 | 24 3 | 0 30 | 21 58 | 1 43 | 12 11 | 0 43 | 18 49 | 0 56 | 10 44 | 1 52 | 21 21 | 0 3 | 12 41 | 1 48 | 21 39 | 15 25 | 23 33 | 23 32 | 21 10 | 14 34 | 6 0 |
| M 3 | 22 53 | 22 0 | 2 50 | 23 46 | 0 14 | 21 42 | 1 36 | 12 25 | 0 43 | 18 46 | 0 56 | 10 43 | 1 52 | 21 22 | 0 3 | 12 42 | 1 48 | 21 39 | 15 25 | 23 33 | 23 32 | 21 11 | 14 33 | 5 59 |
| T 4 | 22 59 | 19 28 | 3 43 | 23 29 | 0n 4 | 21 26 | 1 29 | 12 38 | 0 42 | 18 43 | 0 56 | 10 43 | 1 52 | 21 22 | 0 3 | 12 42 | 1 48 | 21 40 | 15 26 | 23 33 | 23 32 | 21 13 | 14 33 | 5 59 |
| W 5 | 23 5 | 16 1 | 4 26 | 23 10 | 0 23 | 21 9 | 1 22 | 12 52 | 0 42 | 18 40 | 0 56 | 10 43 | 1 53 | 21 23 | 0 3 | 12 43 | 1 48 | 21 40 | 15 27 | 23 33 | 23 32 | 21 15 | 14 32 | 5 59 |
| T 6 | 23 10 | 11 45 | 4 58 | 22 51 | 0 42 | 20 53 | 1 15 | 13 6 | 0 41 | 18 37 | 0 56 | 10 43 | 1 53 | 21 24 | 0 3 | 12 44 | 1 48 | 21 41 | 15 27 | 23 33 | 23 32 | 21 16 | 14 32 | 5 59 |
| F 7 | 23 14 | 6 51 | 5 15 | 22 32 | 1 2 | 20 36 | 1 7 | 13 20 | 0 41 | 18 33 | 0 55 | 10 43 | 1 53 | 21 24 | 0 3 | 12 44 | 1 48 | 21 41 | 15 28 | 23 33 | 23 33 | 21 18 | 14 31 | 5 58 |
| S 8 | 23 18 | 1 29 | 5 16 | 22 12 | 1 22 | 20 19 | 0 59 | 13 33 | 0 40 | 18 30 | 0 55 | 10 43 | 1 54 | 21 25 | 0 3 | 12 45 | 1 49 | 21 41 | 15 28 | 23 33 | 23 33 | 21 19 | 14 31 | 5 58 |
| S 9 | 23 22 | 4s 8 | 4 58 | 21 53 | 1 41 | 20 2 | 0 50 | 13 46 | 0 40 | 18 27 | 0 55 | 10 43 | 1 54 | 21 26 | 0 3 | 12 45 | 1 49 | 21 42 | 15 29 | 23 33 | 23 33 | 21 21 | 14 30 | 5 58 |
| M10 | 23 25 | 9 42 | 4 22 | 21 33 | 2 0 | 19 45 | 0 41 | 14 0 | 0 39 | 18 23 | 0 55 | 10 44 | 1 54 | 21 26 | 0 3 | 12 46 | 1 49 | 21 42 | 15 29 | 23 33 | 23 33 | 21 22 | 14 29 | 5 58 |
| T 11 | 23 28 | 14 54 | 3 27 | 21 14 | 2 17 | 19 28 | 0 32 | 14 13 | 0 39 | 18 20 | 0 55 | 10 44 | 1 54 | 21 27 | 0 3 | 12 46 | 1 49 | 21 43 | 15 30 | 23 33 | 23 33 | 21 24 | 14 29 | 5 57 |
| W12 | 23 30 | 19 15 | 2 18 | 20 56 | 2 33 | 19 11 | 0 23 | 14 26 | 0 38 | 18 17 | 0 55 | 10 44 | 1 55 | 21 28 | 0 3 | 12 47 | 1 49 | 21 44 | 15 30 | 23 33 | 23 33 | 21 25 | 14 28 | 5 57 |
| T 13 | 23 32 | 22 21 | 0 57 | 20 39 | 2 46 | 18 53 | 0 13 | 14 39 | 0 38 | 18 13 | 0 55 | 10 44 | 1 55 | 21 28 | 0 3 | 12 47 | 1 49 | 21 44 | 15 31 | 23 33 | 23 33 | 21 27 | 14 28 | 5 57 |
| F 14 | 23 33 | 23 50 | 0s27 | 20 24 | 2 57 | 18 36 | 0 3 | 14 52 | 0 37 | 18 10 | 0 55 | 10 44 | 1 55 | 21 29 | 0 3 | 12 48 | 1 49 | 21 45 | 15 31 | 23 33 | 23 33 | 21 28 | 14 27 | 5 57 |
| S 15 | 23 34 | 23 33 | 1 48 | 20 11 | 3 5 | 18 19 | 0n 7 | 15 5 | 0 37 | 18 6 | 0 55 | 10 45 | 1 55 | 21 29 | 0 3 | 12 48 | 1 49 | 21 45 | 15 32 | 23 33 | 23 33 | 21 30 | 14 26 | 5 57 |
| S 16 | 23 34 | 21 37 | 3 1 | 20 1 | 3 11 | 18 2 | 0 18 | 15 18 | 0 36 | 18 3 | 0 55 | 10 45 | 1 56 | 21 30 | 0 3 | 12 49 | 1 49 | 21 46 | 15 32 | 23 33 | 23 33 | 21 31 | 14 26 | 5 56 |
| M17 | 23 34 | 18 22 | 4 0 | 19 53 | 3 15 | 17 45 | 0 29 | 15 30 | 0 36 | 17 59 | 0 55 | 10 46 | 1 56 | 21 31 | 0 3 | 12 49 | 1 49 | 21 46 | 15 33 | 23 33 | 23 33 | 21 33 | 14 25 | 5 56 |
| T 18 | 23 34 | 14 10 | 4 43 | 19 47 | 3 16 | 17 28 | 0 40 | 15 43 | 0 35 | 17 55 | 0 55 | 10 46 | 1 56 | 21 31 | 0 3 | 12 50 | 1 49 | 21 47 | 15 34 | 23 33 | 23 33 | 21 34 | 14 24 | 5 56 |
| W19 | 23 32 | 9 24 | 5 9 | 19 44 | 3 16 | 17 11 | 0 52 | 15 55 | 0 35 | 17 52 | 0 55 | 10 47 | 1 56 | 21 32 | 0 3 | 12 50 | 1 49 | 21 48 | 15 34 | 23 33 | 23 33 | 21 36 | 14 24 | 5 56 |
| T 20 | 23 31 | 4 21 | 5 18 | 19 44 | 3 13 | 16 55 | 1 4 | 16 7 | 0 34 | 17 48 | 0 55 | 10 47 | 1 57 | 21 32 | 0 2 | 12 50 | 1 49 | 21 48 | 15 35 | 23 33 | 23 33 | 21 37 | 14 23 | 5 56 |
| F 21 | 23 29 | 0n43 | 5 11 | 19 46 | 3 10 | 16 38 | 1 17 | 16 20 | 0 33 | 17 44 | 0 55 | 10 48 | 1 57 | 21 33 | 0 2 | 12 51 | 1 49 | 21 49 | 15 35 | 23 33 | 23 33 | 21 39 | 14 22 | 5 55 |
| S 22 | 23 26 | 5 39 | 4 51 | 19 51 | 3 5 | 16 22 | 1 29 | 16 32 | 0 33 | 17 41 | 0 55 | 10 48 | 1 57 | 21 33 | 0 2 | 12 51 | 1 49 | 21 49 | 15 36 | 23 33 | 23 33 | 21 40 | 14 21 | 5 55 |
| S 23 | 23 23 | 10 17 | 4 17 | 19 57 | 2 58 | 16 7 | 1 42 | 16 43 | 0 32 | 17 37 | 0 55 | 10 49 | 1 57 | 21 34 | 0 2 | 12 52 | 1 49 | 21 50 | 15 36 | 23 33 | 23 33 | 21 42 | 14 21 | 5 55 |
| M24 | 23 20 | 14 28 | 3 33 | 20 5 | 2 51 | 15 51 | 1 56 | 16 55 | 0 32 | 17 33 | 0 55 | 10 50 | 1 58 | 21 35 | 0 2 | 12 52 | 1 49 | 21 51 | 15 37 | 23 33 | 23 33 | 21 43 | 14 20 | 5 55 |
| T 25 | 23 16 | 18 4 | 2 40 | 20 14 | 2 44 | 15 36 | 2 9 | 17 7 | 0 31 | 17 29 | 0 55 | 10 51 | 1 58 | 21 35 | 0 2 | 12 52 | 1 49 | 21 51 | 15 37 | 23 33 | 23 34 | 21 45 | 14 19 | 5 55 |
| W26 | 23 11 | 20 56 | 1 40 | 20 24 | 2 35 | 15 21 | 2 23 | 17 18 | 0 31 | 17 25 | 0 55 | 10 51 | 1 58 | 21 36 | 0 2 | 12 53 | 1 49 | 21 52 | 15 38 | 23 33 | 23 34 | 21 46 | 14 18 | 5 55 |
| T 27 | 23 7 | 22 54 | 0 36 | 20 36 | 2 26 | 15 7 | 2 37 | 17 30 | 0 30 | 17 21 | 0 55 | 10 52 | 1 59 | 21 36 | 0 2 | 12 53 | 1 49 | 21 53 | 15 38 | 23 33 | 23 34 | 21 48 | 14 18 | 5 55 |
| F 28 | 23 1 | 23 51 | 0n29 | 20 48 | 2 17 | 14 53 | 2 51 | 17 41 | 0 29 | 17 17 | 0 55 | 10 53 | 1 59 | 21 37 | 0 2 | 12 53 | 1 49 | 21 54 | 15 39 | 23 33 | 23 34 | 21 49 | 14 17 | 5 54 |
| S 29 | 22 55 | 23 43 | 1 34 | 21 1 | 2 8 | 14 40 | 3 6 | 17 52 | 0 29 | 17 13 | 0 55 | 10 54 | 1 59 | 21 37 | 0 2 | 12 54 | 1 50 | 21 54 | 15 39 | 23 33 | 23 34 | 21 51 | 14 16 | 5 54 |
| S 30 | 22 49 | 22 28 | 2 36 | 21 14 | 1 58 | 14 27 | 3 21 | 18 3 | 0 28 | 17 9 | 0 55 | 10 55 | 1 59 | 21 38 | 0 2 | 12 54 | 1 50 | 21 55 | 15 40 | 23 33 | 23 34 | 21 52 | 14 15 | 5 54 |
| M31 | 22s43 | 20n10 | 3n30 | 21s27 | 1n49 | 14s14 | 3n36 | 18s14 | 0n27 | 17s 5 | 0s55 | 10n56 | 2n 0 | 21s38 | 0n 2 | 12s54 | 1n50 | 21n56 | 15n40 | 23n33 | 23n34 | 21n53 | 14s14 | 5n54 |

Julian Day Number = 2078241.5, Delta T = 26m16s
Ecliptic obliquity = 23°34'17, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'44, Lahiri = 9°36'44 Julian Calendar 1 Dec. 977 == Greg. Calendar 6 Dec. 977


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## JANUARY 978 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 1 49 | 16♉ 8'10 | 26♌ 5 | 21♐46 | 10°R21 | 23♏53 | 15♒55 | 6°R43 | 7♐31 | 9♏13 | 10°R54 | 2°R 5 | 1♋26 | 18♊28 | 1♒17 | T 1 |
| W 2 | 7 5 45 | 17° 9'14 | 8♍41 | 22°42 | 10♒ 9 | 24°33 | 16° 9 | 6♍41 | 7°35 | 9°14 | 10♍53 | 2♋ 3 | 1°23 | 18°35 | 1°21 | W 2 |
| T 3 | 7 9 42 | 18°10'16 | 21°32 | 23°42 | 9°54 | 25°14 | 16°22 | 6°38 | 7°38 | 9°15 | 10°52 | 2° 1 | 1°20 | 18°41 | 1°26 | T 3 |
| F 4 | 7 13 38 | 19°11'18 | 4♎39 | 24°45 | 9°36 | 25°54 | 16°36 | 6°36 | 7°41 | 9°16 | 10°52 | 1°59 | 1°17 | 18°48 | 1°30 | F 4 |
| S 5 | 7 17 35 | 20°12'20 | 18° 4 | 25°50 | 9°17 | 26°35 | 16°50 | 6°34 | 7°43 | 9°17 | 10°51 | 1°D59 | 1°14 | 18°55 | 1°35 | S 5 |
| S 6 | 7 21 31 | 21°13'21 | 1♏49 | 26°58 | 8°55 | 27°15 | 17° 3 | 6°31 | 7°46 | 9°18 | 10°50 | 1°59 | 1°10 | 19° 1 | 1°39 | S 6 |
| M 7 | 7 25 28 | 22°14'21 | 15°54 | 28° 7 | 8°31 | 27°56 | 17°17 | 6°28 | 7°49 | 9°19 | 10°49 | 2° 0 | 1° 7 | 19° 8 | 1°44 | M 7 |
| T 8 | 7 29 24 | 23°15'21 | 0♐19 | 29°19 | 8° 4 | 28°36 | 17°31 | 6°26 | 7°52 | 9°20 | 10°48 | 2° 1 | 1° 4 | 19°15 | 1°49 | T 8 |
| W 9 | 7 33 21 | 24°16'20 | 15° 1 | 0♑32 | 7°36 | 29°17 | 17°45 | 6°23 | 7°55 | 9°21 | 10°47 | 2° 3 | 1° 1 | 19°21 | 1°53 | W 9 |
| T 10 | 7 37 18 | 25°17'18 | 29°54 | 1°47 | 7° 6 | 29°57 | 17°59 | 6°20 | 7°58 | 9°22 | 10°46 | 2°R 3 | 0°58 | 19°28 | 1°58 | T 10 |
| F 11 | 7 41 14 | 26°18'15 | 14♑52 | 3° 4 | 6°34 | 0♐38 | 18°13 | 6°17 | 8° 0 | 9°23 | 10°45 | 2° 3 | 0°55 | 19°35 | 2° 2 | F 11 |
| S 12 | 7 45 11 | 27°19'11 | 29°47 | 4°22 | 6° 1 | 1°18 | 18°27 | 6°14 | 8° 3 | 9°24 | 10°44 | 2° 1 | 0°51 | 19°41 | 2° 7 | S 12 |
| S 13 | 7 49 7 | 28°20'06 | 14♒31 | 5°41 | 5°27 | 1°59 | 18°41 | 6°11 | 8° 6 | 9°24 | 10°43 | 1°58 | 0°48 | 19°48 | 2°11 | S 13 |
| M14 | 7 53 4 | 29°21'00 | 28°55 | 7° 2 | 4°51 | 2°40 | 18°55 | 6° 7 | 8° 8 | 9°25 | 10°42 | 1°54 | 0°45 | 19°54 | 2°16 | M14 |
| T 15 | 7 57 0 | 0♒21'52 | 12♓56 | 8°24 | 4°15 | 3°20 | 19° 9 | 6° 4 | 8°11 | 9°26 | 10°41 | 1°50 | 0°42 | 20° 1 | 2°21 | T 15 |
| W16 | 8 0 57 | 1°22'43 | 26°29 | 9°46 | 3°38 | 4° 1 | 19°23 | 6° 1 | 8°14 | 9°26 | 10°40 | 1°45 | 0°39 | 20° 8 | 2°25 | W16 |
| T 17 | 8 4 53 | 2°23'32 | 9♈36 | 11°10 | 3° 0 | 4°41 | 19°37 | 5°57 | 8°16 | 9°27 | 10°38 | 1°42 | 0°35 | 20°14 | 2°30 | T 17 |
| F 18 | 8 8 50 | 3°24'19 | 22°19 | 12°35 | 2°23 | 5°22 | 19°51 | 5°54 | 8°19 | 9°28 | 10°37 | 1°40 | 0°32 | 20°21 | 2°34 | F 18 |
| S 19 | 8 12 47 | 4°25'05 | 4♉40 | 14° 1 | 1°46 | 6° 3 | 20° 6 | 5°50 | 8°21 | 9°28 | 10°36 | 1°D39 | 0°29 | 20°28 | 2°39 | S 19 |
| S 20 | 8 16 43 | 5°25'50 | 16°45 | 15°28 | 1° 9 | 6°43 | 20°20 | 5°46 | 8°23 | 9°29 | 10°35 | 1°40 | 0°26 | 20°34 | 2°43 | S 20 |
| M21 | 8 20 40 | 6°26'32 | 28°40 | 16°56 | 0°34 | 7°24 | 20°34 | 5°42 | 8°26 | 9°29 | 10°34 | 1°42 | 0°23 | 20°41 | 2°48 | M21 |
| T 22 | 8 24 36 | 7°27'14 | 10♊28 | 18°25 | 29♑59 | 8° 5 | 20°48 | 5°38 | 8°28 | 9°30 | 10°32 | 1°43 | 0°20 | 20°48 | 2°53 | T 22 |
| W23 | 8 28 33 | 8°27'53 | 22°14 | 19°55 | 29°25 | 8°45 | 21° 3 | 5°35 | 8°30 | 9°30 | 10°31 | 1°45 | 0°16 | 20°54 | 2°57 | W23 |
| T 24 | 8 32 29 | 9°28'31 | 4♋ 4 | 21°26 | 28°52 | 9°26 | 21°17 | 5°31 | 8°33 | 9°31 | 10°30 | 1°R45 | 0°13 | 21° 1 | 3° 2 | T 24 |
| F 25 | 8 36 26 | 10°29'07 | 16° 0 | 22°57 | 28°21 | 10° 7 | 21°31 | 5°27 | 8°35 | 9°31 | 10°28 | 1°44 | 0°10 | 21° 8 | 3° 6 | F 25 |
| S 26 | 8 40 22 | 11°29'41 | 28° 6 | 24°30 | 27°52 | 10°47 | 21°46 | 5°22 | 8°37 | 9°31 | 10°27 | 1°41 | 0° 7 | 21°14 | 3°11 | S 26 |
| S 27 | 8 44 19 | 12°30'14 | 10♌23 | 26° 3 | 27°25 | 11°28 | 22° 0 | 5°18 | 8°39 | 9°32 | 10°26 | 1°36 | 0° 4 | 21°21 | 3°15 | S 27 |
| M28 | 8 48 16 | 13°30'45 | 22°52 | 27°37 | 27° 0 | 12° 9 | 22°14 | 5°14 | 8°41 | 9°32 | 10°24 | 1°29 | 0° 1 | 21°28 | 3°20 | M28 |
| T 29 | 8 52 12 | 14°31'15 | 5♍35 | 29°13 | 26°37 | 12°50 | 22°29 | 5°10 | 8°43 | 9°32 | 10°23 | 1°21 | 29♊57 | 21°34 | 3°24 | T 29 |
| W30 | 8 56 9 | 15°31'43 | 18°30 | 0♒49 | 26°17 | 13°30 | 22°43 | 5° 5 | 8°45 | 9°32 | 10°21 | 1°13 | 29°54 | 21°41 | 3°29 | W30 |
| T 31 | 9 0 5 | 16♒32'10 | 1♎38 | 2♒26 | 25♑58 | 14♐11 | 22♒58 | 5♍ 1 | 8♐47 | 9♏33 | 10♍20 | 1♋ 6 | 29♊51 | 21♊47 | 3♒33 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s35 | 16n54 | 4n16 | 21s40 | 1n39 | 14s 3 | 3n50 | 18s25 | 0n27 | 17s 1 | 0s55 | 10n57 | 2n 0 | 21s39 | 0n 2 | 12s55 | 1n50 | 21n56 | 15n41 | 23n33 | 23n34 | 21n55 | 14s13 | 5n54 |
| W 2 | 22 28 | 12 50 | 4 51 | 21 53 | 1 29 | 13 52 | 4 5 | 18 35 | 0 26 | 16 57 | 0 55 | 10 58 | 2 0 | 21 39 | 0 2 | 12 55 | 1 50 | 21 57 | 15 41 | 23 33 | 23 34 | 21 56 | 14 13 | 5 54 |
| T 3 | 22 20 | 8 8 | 5 11 | 22 6 | 1 20 | 13 41 | 4 21 | 18 46 | 0 26 | 16 53 | 0 55 | 10 59 | 2 0 | 21 40 | 0 2 | 12 55 | 1 50 | 21 58 | 15 41 | 23 33 | 23 34 | 21 58 | 14 12 | 5 54 |
| F 4 | 22 11 | 2 58 | 5 16 | 22 18 | 1 10 | 13 31 | 4 35 | 18 56 | 0 25 | 16 49 | 0 55 | 11 0 | 2 1 | 21 40 | 0 2 | 12 56 | 1 50 | 21 59 | 15 42 | 23 33 | 23 34 | 21 59 | 14 11 | 5 54 |
| S 5 | 22 3 | 2s26 | 5 4 | 22 30 | 1 1 | 13 22 | 4 50 | 19 6 | 0 24 | 16 45 | 0 55 | 11 1 | 2 1 | 21 41 | 0 2 | 12 56 | 1 50 | 21 59 | 15 42 | 23 33 | 23 34 | 22 1 | 14 10 | 5 54 |
| S 6 | 21 53 | 7 52 | 4 35 | 22 41 | 0 51 | 13 13 | 5 5 | 19 16 | 0 24 | 16 41 | 0 55 | 11 2 | 2 1 | 21 41 | 0 2 | 12 56 | 1 50 | 22 0 | 15 43 | 23 33 | 23 34 | 22 2 | 14 9 | 5 54 |
| M 7 | 21 43 | 13 3 | 3 48 | 22 52 | 0 42 | 13 5 | 5 20 | 19 26 | 0 23 | 16 36 | 0 55 | 11 4 | 2 1 | 21 42 | 0 2 | 12 56 | 1 50 | 22 1 | 15 43 | 23 33 | 23 34 | 22 3 | 14 8 | 5 54 |
| T 8 | 21 33 | 17 37 | 2 46 | 23 1 | 0 33 | 12 58 | 5 34 | 19 36 | 0 22 | 16 32 | 0 55 | 11 5 | 2 1 | 21 42 | 0 2 | 12 57 | 1 50 | 22 2 | 15 44 | 23 33 | 23 34 | 22 5 | 14 7 | 5 54 |
| W 9 | 21 23 | 21 11 | 1 33 | 23 10 | 0 24 | 12 52 | 5 48 | 19 45 | 0 21 | 16 28 | 0 55 | 11 6 | 2 2 | 21 43 | 0 2 | 12 57 | 1 50 | 22 2 | 15 44 | 23 33 | 23 34 | 22 6 | 14 6 | 5 53 |
| T 10 | 21 12 | 23 22 | 0 12 | 23 19 | 0 15 | 12 46 | 6 1 | 19 55 | 0 21 | 16 24 | 0 55 | 11 7 | 2 2 | 21 43 | 0 2 | 12 57 | 1 50 | 22 3 | 15 45 | 23 33 | 23 34 | 22 8 | 14 5 | 5 53 |
| F 11 | 21 0 | 23 54 | 1s10 | 23 26 | 0 6 | 12 41 | 6 14 | 20 4 | 0 20 | 16 19 | 0 55 | 11 9 | 2 2 | 21 44 | 0 2 | 12 57 | 1 50 | 22 4 | 15 45 | 23 33 | 23 34 | 22 9 | 14 4 | 5 53 |
| S 12 | 20 49 | 22 42 | 2 27 | 23 32 | 0s 2 | 12 37 | 6 27 | 20 13 | 0 19 | 16 15 | 0 55 | 11 10 | 2 2 | 21 44 | 0 2 | 12 58 | 1 50 | 22 5 | 15 45 | 23 33 | 23 34 | 22 10 | 14 3 | 5 53 |
| S 13 | 20 37 | 19 57 | 3 33 | 23 37 | 0 10 | 12 34 | 6 39 | 20 22 | 0 19 | 16 11 | 0 55 | 11 11 | 2 3 | 21 44 | 0 2 | 12 58 | 1 50 | 22 6 | 15 46 | 23 33 | 23 34 | 22 12 | 14 2 | 5 53 |
| M14 | 20 24 | 16 1 | 4 24 | 23 41 | 0 18 | 12 31 | 6 50 | 20 31 | 0 18 | 16 6 | 0 55 | 11 13 | 2 3 | 21 45 | 0 2 | 12 58 | 1 50 | 22 6 | 15 46 | 23 33 | 23 34 | 22 13 | 14 1 | 5 53 |
| T 15 | 20 11 | 11 18 | 4 57 | 23 44 | 0 26 | 12 29 | 7 1 | 20 40 | 0 17 | 16 2 | 0 55 | 11 14 | 2 3 | 21 45 | 0 2 | 12 58 | 1 50 | 22 7 | 15 47 | 23 34 | 23 34 | 22 14 | 14 0 | 5 53 |
| W16 | 19 58 | 6 10 | 5 12 | 23 46 | 0 34 | 12 28 | 7 11 | 20 48 | 0 16 | 15 57 | 0 55 | 11 16 | 2 3 | 21 46 | 0 2 | 12 58 | 1 51 | 22 8 | 15 47 | 23 34 | 23 34 | 22 16 | 13 59 | 5 53 |
| T 17 | 19 44 | 0 56 | 5 11 | 23 47 | 0 41 | 12 27 | 7 20 | 20 56 | 0 16 | 15 53 | 0 55 | 11 17 | 2 3 | 21 46 | 0 2 | 12 58 | 1 51 | 22 9 | 15 47 | 23 34 | 23 34 | 22 17 | 13 58 | 5 53 |
| F 18 | 19 30 | 4n11 | 4 54 | 23 46 | 0 48 | 12 28 | 7 28 | 21 4 | 0 15 | 15 49 | 0 55 | 11 19 | 2 4 | 21 47 | 0 2 | 12 59 | 1 51 | 22 10 | 15 48 | 23 34 | 23 34 | 22 19 | 13 57 | 5 53 |
| S 19 | 19 16 | 9 1 | 4 23 | 23 44 | 0 55 | 12 28 | 7 35 | 21 12 | 0 14 | 15 44 | 0 55 | 11 20 | 2 4 | 21 47 | 0 2 | 12 59 | 1 51 | 22 10 | 15 48 | 23 34 | 23 34 | 22 20 | 13 56 | 5 53 |
| S 20 | 19 1 | 13 24 | 3 42 | 23 41 | 1 1 | 12 30 | 7 42 | 21 20 | 0 13 | 15 39 | 0 55 | 11 22 | 2 4 | 21 47 | 0 2 | 12 59 | 1 51 | 22 11 | 15 49 | 23 34 | 23 34 | 22 21 | 13 55 | 5 53 |
| M21 | 18 46 | 17 11 | 2 51 | 23 37 | 1 8 | 12 32 | 7 47 | 21 28 | 0 13 | 15 35 | 0 55 | 11 24 | 2 4 | 21 48 | 0 2 | 12 59 | 1 51 | 22 12 | 15 49 | 23 34 | 23 34 | 22 23 | 13 54 | 5 53 |
| T 22 | 18 31 | 20 16 | 1 54 | 23 31 | 1 14 | 12 35 | 7 52 | 21 35 | 0 12 | 15 30 | 0 55 | 11 25 | 2 4 | 21 48 | 0 2 | 12 59 | 1 51 | 22 13 | 15 49 | 23 34 | 23 34 | 22 24 | 13 53 | 5 53 |
| W23 | 18 15 | 22 29 | 0 52 | 23 24 | 1 19 | 12 38 | 7 55 | 21 42 | 0 11 | 15 26 | 0 55 | 11 27 | 2 5 | 21 48 | 0 2 | 12 59 | 1 51 | 22 14 | 15 50 | 23 34 | 23 34 | 22 25 | 13 52 | 5 53 |
| T 24 | 17 59 | 23 43 | 0n13 | 23 15 | 1 25 | 12 42 | 7 58 | 21 49 | 0 10 | 15 21 | 0 55 | 11 28 | 2 5 | 21 49 | 0 2 | 12 59 | 1 51 | 22 14 | 15 50 | 23 34 | 23 34 | 22 27 | 13 51 | 5 53 |
| F 25 | 17 42 | 23 53 | 1 17 | 23 5 | 1 30 | 12 46 | 8 0 | 21 56 | 0 9 | 15 17 | 0 55 | 11 30 | 2 5 | 21 49 | 0 2 | 12 59 | 1 51 | 22 15 | 15 50 | 23 34 | 23 34 | 22 28 | 13 50 | 5 53 |
| S 26 | 17 26 | 22 55 | 2 18 | 22 54 | 1 35 | 12 50 | 8 1 | 22 3 | 0 8 | 15 12 | 0 55 | 11 32 | 2 5 | 21 50 | 0 2 | 12 59 | 1 51 | 22 16 | 15 51 | 23 34 | 23 34 | 22 29 | 13 49 | 5 53 |
| S 27 | 17 9 | 20 51 | 3 14 | 22 41 | 1 39 | 12 55 | 8 1 | 22 9 | 0 8 | 15 7 | 0 55 | 11 33 | 2 5 | 21 50 | 0 2 | 12 59 | 1 51 | 22 17 | 15 51 | 23 34 | 23 34 | 22 30 | 13 48 | 5 54 |
| M28 | 16 52 | 17 46 | 4 2 | 22 27 | 1 44 | 13 0 | 8 1 | 22 16 | 0 7 | 15 3 | 0 55 | 11 35 | 2 5 | 21 50 | 0 2 | 12 59 | 1 51 | 22 18 | 15 51 | 23 34 | 23 34 | 22 32 | 13 47 | 5 54 |
| T 29 | 16 34 | 13 49 | 4 38 | 22 11 | 1 47 | 13 6 | 7 59 | 22 22 | 0 6 | 14 58 | 0 55 | 11 37 | 2 6 | 21 51 | 0 2 | 12 59 | 1 51 | 22 19 | 15 51 | 23 34 | 23 34 | 22 33 | 13 46 | 5 54 |
| W30 | 16 16 | 9 11 | 5 1 | 21 54 | 1 51 | 13 12 | 7 57 | 22 28 | 0 5 | 14 53 | 0 55 | 11 39 | 2 6 | 21 51 | 0 2 | 12 59 | 1 51 | 22 19 | 15 52 | 23 34 | 23 34 | 22 34 | 13 45 | 5 54 |
| T 31 | 15s58 | 4n 3 | 5n 8 | 21s35 | 1s54 | 13s18 | 7n54 | 22s34 | 0n 4 | 14s49 | 0s55 | 11n40 | 2n 6 | 21s51 | 0n 2 | 12s59 | 1n51 | 22n20 | 15n52 | 23n34 | 23n34 | 22n36 | 13s44 | 5n54 |

Julian Day Number = 2078272.5, Delta T = 26m15s
Ecliptic obliquity = 23°34'17, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'48, Lahiri = 9°36'48 Julian Calendar 1 Jan. 978 == Greg. Calendar 6 Jan. 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## FEBRUARY 978 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 4 2 | 17♒32'35 | 14♎58 | 4♒ 4 | 25°R43 | 14♐52 | 23♒12 | 4°R57 | 8♐49 | 9♏33 | 10°R18 | 1°R 0 | 29♊48 | 21♊54 | 3♒38 | F 1 |
| S 2 | 9 7 58 | 18°32'58 | 28°31 | 5°43 | 25♑29 | 15°33 | 23°27 | 4♍52 | 8°51 | 9°33 | 10♍17 | 0♋56 | 29°45 | 22° 1 | 3°42 | S 2 |
| S 3 | 9 11 55 | 19°33'20 | 12♏15 | 7°23 | 25°19 | 16°14 | 23°41 | 4°48 | 8°53 | 9°33 | 10°16 | 0°54 | 29°41 | 22° 7 | 3°47 | S 3 |
| M 4 | 9 15 51 | 20°33'41 | 26°12 | 9° 4 | 25°10 | 16°54 | 23°56 | 4°43 | 8°54 | 9°R33 | 10°14 | 0°D54 | 29°38 | 22°14 | 3°51 | M 4 |
| T 5 | 9 19 48 | 21°34'01 | 10♐20 | 10°45 | 25° 4 | 17°35 | 24°10 | 4°39 | 8°56 | 9°33 | 10°13 | 0°55 | 29°35 | 22°21 | 3°55 | T 5 |
| W 6 | 9 23 45 | 22°34'19 | 24°40 | 12°28 | 25° 1 | 18°16 | 24°24 | 4°34 | 8°58 | 9°33 | 10°11 | 0°R56 | 29°32 | 22°27 | 4° 0 | W 6 |
| T 7 | 9 27 41 | 23°34'35 | 9♑ 7 | 14°12 | 25°D 0 | 18°57 | 24°39 | 4°29 | 8°59 | 9°33 | 10° 9 | 0°56 | 29°29 | 22°34 | 4° 4 | T 7 |
| F 8 | 9 31 38 | 24°34'50 | 23°40 | 15°57 | 25° 2 | 19°38 | 24°53 | 4°25 | 9° 1 | 9°33 | 10° 8 | 0°53 | 29°26 | 22°41 | 4° 9 | F 8 |
| S 9 | 9 35 34 | 25°35'03 | 8♒13 | 17°43 | 25° 6 | 20°19 | 25° 8 | 4°20 | 9° 2 | 9°32 | 10° 6 | 0°49 | 29°22 | 22°47 | 4°13 | S 9 |
| S 10 | 9 39 31 | 26°35'14 | 22°39 | 19°30 | 25°12 | 20°59 | 25°22 | 4°15 | 9° 4 | 9°32 | 10° 5 | 0°42 | 29°19 | 22°54 | 4°17 | S 10 |
| M11 | 9 43 27 | 27°35'24 | 6♓52 | 21°18 | 25°20 | 21°40 | 25°37 | 4°11 | 9° 5 | 9°32 | 10° 3 | 0°33 | 29°16 | 23° 1 | 4°22 | M11 |
| T 12 | 9 47 24 | 28°35'31 | 20°47 | 23° 7 | 25°31 | 22°21 | 25°51 | 4° 6 | 9° 6 | 9°32 | 10° 2 | 0°23 | 29°13 | 23° 7 | 4°26 | T 12 |
| W13 | 9 51 20 | 29°35'37 | 4♈19 | 24°58 | 25°44 | 23° 2 | 26° 6 | 4° 1 | 9° 8 | 9°32 | 10° 0 | 0°13 | 29°10 | 23°14 | 4°30 | W13 |
| T 14 | 9 55 17 | 0♓35'40 | 17°28 | 26°49 | 25°59 | 23°43 | 26°20 | 3°56 | 9° 9 | 9°31 | 9°59 | 0° 4 | 29° 6 | 23°20 | 4°34 | T 14 |
| F 15 | 9 59 14 | 1°35'41 | 0♉13 | 28°41 | 26°16 | 24°24 | 26°35 | 3°52 | 9°10 | 9°31 | 9°57 | 29♊57 | 29° 3 | 23°27 | 4°38 | F 15 |
| S 16 | 10 3 10 | 2°35'40 | 12°38 | 0♓34 | 26°34 | 25° 5 | 26°49 | 3°47 | 9°11 | 9°31 | 9°55 | 29°53 | 29° 0 | 23°34 | 4°43 | S 16 |
| S 17 | 10 7 7 | 3°35'37 | 24°45 | 2°29 | 26°55 | 25°46 | 27° 4 | 3°42 | 9°12 | 9°30 | 9°54 | 29°51 | 28°57 | 23°40 | 4°47 | S 17 |
| M18 | 10 11 3 | 4°35'31 | 6♊40 | 4°24 | 27°18 | 26°26 | 27°18 | 3°37 | 9°13 | 9°30 | 9°52 | 29°D50 | 28°54 | 23°47 | 4°51 | M18 |
| T 19 | 10 15 0 | 5°35'24 | 18°29 | 6°20 | 27°42 | 27° 7 | 27°33 | 3°33 | 9°14 | 9°29 | 9°50 | 29°51 | 28°51 | 23°54 | 4°55 | T 19 |
| W20 | 10 18 56 | 6°35'14 | 0♋17 | 8°17 | 28° 8 | 27°48 | 27°47 | 3°28 | 9°15 | 9°29 | 9°49 | 29°R51 | 28°47 | 24° 0 | 4°59 | W20 |
| T 21 | 10 22 53 | 7°35'02 | 12° 8 | 10°15 | 28°36 | 28°29 | 28° 1 | 3°23 | 9°16 | 9°28 | 9°47 | 29°50 | 28°44 | 24° 7 | 5° 3 | T 21 |
| F 22 | 10 26 49 | 8°34'47 | 24° 9 | 12°14 | 29° 5 | 29°10 | 28°16 | 3°18 | 9°17 | 9°28 | 9°46 | 29°48 | 28°41 | 24°14 | 5° 7 | F 22 |
| S 23 | 10 30 46 | 9°34'31 | 6♌22 | 14°13 | 29°36 | 29°51 | 28°30 | 3°14 | 9°18 | 9°27 | 9°44 | 29°42 | 28°38 | 24°20 | 5°11 | S 23 |
| S 24 | 10 34 43 | 10°34'12 | 18°51 | 16°12 | 0♒ 8 | 0♑32 | 28°44 | 3° 9 | 9°18 | 9°26 | 9°42 | 29°34 | 28°35 | 24°27 | 5°15 | S 24 |
| M25 | 10 38 39 | 11°33'51 | 1♍37 | 18°12 | 0°41 | 1°13 | 28°59 | 3° 4 | 9°19 | 9°26 | 9°41 | 29°24 | 28°32 | 24°34 | 5°19 | M25 |
| T 26 | 10 42 36 | 12°33'28 | 14°40 | 20°11 | 1°16 | 1°54 | 29°13 | 3° 0 | 9°20 | 9°25 | 9°39 | 29°12 | 28°28 | 24°40 | 5°23 | T 26 |
| W27 | 10 46 32 | 13°33'02 | 27°59 | 22°10 | 1°53 | 2°35 | 29°27 | 2°55 | 9°20 | 9°24 | 9°38 | 28°59 | 28°25 | 24°47 | 5°26 | W27 |
| T 28 | 10 50 29 | 14♓32'35 | 11♎31 | 24♓ 9 | 2♒30 | 3♑15 | 29♒42 | 2♍50 | 9♐21 | 9♏24 | 9♍36 | 28♊48 | 28♊22 | 24♊54 | 5♒30 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 15s40 | 1s20 | 4n59 | 21s14 | 1s57 | 13s24 | 7n51 | 22s39 | 0n 3 | 14s44 | 0s55 | 11n42 | 2n 6 | 21s51 | 0n 2 | 12s59 | 1n52 | 22n21 | 15n52 | 23n34 | 23n34 | 22n37 | 13s43 | 5n54 | F 1 |
| S 2 | 15 21 | 6 45 | 4 34 | 20 53 | 2 0 | 13 31 | 7 47 | 22 45 | 0 2 | 14 39 | 0 55 | 11 44 | 2 6 | 21 52 | 0 2 | 12 59 | 1 52 | 22 22 | 15 52 | 23 34 | 23 34 | 22 38 | 13 42 | 5 54 | S 2 |
| S 3 | 15 2 | 11 55 | 3 52 | 20 29 | 2 2 | 13 37 | 7 42 | 22 50 | 0 1 | 14 34 | 0 55 | 11 46 | 2 6 | 21 52 | 0 2 | 12 59 | 1 52 | 22 23 | 15 53 | 23 34 | 23 34 | 22 39 | 13 40 | 5 54 | S 3 |
| M 4 | 14 43 | 16 33 | 2 56 | 20 4 | 2 3 | 13 44 | 7 37 | 22 55 | 0 1 | 14 30 | 0 56 | 11 48 | 2 6 | 21 52 | 0 2 | 12 59 | 1 52 | 22 23 | 15 53 | 23 34 | 23 34 | 22 41 | 13 39 | 5 54 | M 4 |
| T 5 | 14 24 | 20 20 | 1 49 | 19 38 | 2 5 | 13 50 | 7 31 | 23 0 | 0s 0 | 14 25 | 0 56 | 11 49 | 2 7 | 21 53 | 0 2 | 12 59 | 1 52 | 22 24 | 15 53 | 23 34 | 23 34 | 22 42 | 13 38 | 5 54 | T 5 |
| W 6 | 14 4 | 22 54 | 0 34 | 19 10 | 2 6 | 13 57 | 7 25 | 23 4 | 0 1 | 14 20 | 0 56 | 11 51 | 2 7 | 21 53 | 0 2 | 12 59 | 1 52 | 22 25 | 15 53 | 23 34 | 23 34 | 22 43 | 13 37 | 5 54 | W 6 |
| T 7 | 13 44 | 23 59 | 0s44 | 18 40 | 2 6 | 14 3 | 7 19 | 23 9 | 0 2 | 14 15 | 0 56 | 11 53 | 2 7 | 21 53 | 0 2 | 12 59 | 1 52 | 22 26 | 15 54 | 23 34 | 23 34 | 22 45 | 13 36 | 5 55 | T 7 |
| F 8 | 13 24 | 23 26 | 1 59 | 18 9 | 2 6 | 14 9 | 7 12 | 23 13 | 0 3 | 14 10 | 0 56 | 11 55 | 2 7 | 21 53 | 0 2 | 12 59 | 1 52 | 22 27 | 15 54 | 23 34 | 23 34 | 22 46 | 13 35 | 5 55 | F 8 |
| S 9 | 13 4 | 21 19 | 3 6 | 17 36 | 2 6 | 14 16 | 7 5 | 23 17 | 0 4 | 14 5 | 0 56 | 11 57 | 2 7 | 21 54 | 0 2 | 12 59 | 1 52 | 22 27 | 15 54 | 23 34 | 23 34 | 22 47 | 13 34 | 5 55 | S 9 |
| S 10 | 12 43 | 17 50 | 4 1 | 17 2 | 2 5 | 14 22 | 6 58 | 23 21 | 0 5 | 14 1 | 0 56 | 11 58 | 2 7 | 21 54 | 0 2 | 12 59 | 1 52 | 22 28 | 15 54 | 23 34 | 23 34 | 22 48 | 13 33 | 5 55 | S 10 |
| M11 | 12 23 | 13 22 | 4 40 | 16 26 | 2 4 | 14 28 | 6 50 | 23 25 | 0 6 | 13 56 | 0 56 | 12 0 | 2 7 | 21 54 | 0 2 | 12 58 | 1 52 | 22 29 | 15 54 | 23 34 | 23 34 | 22 49 | 13 31 | 5 55 | M11 |
| T 12 | 12 2 | 8 16 | 5 1 | 15 48 | 2 2 | 14 34 | 6 42 | 23 28 | 0 7 | 13 51 | 0 56 | 12 2 | 2 7 | 21 54 | 0 2 | 12 58 | 1 52 | 22 30 | 15 55 | 23 34 | 23 34 | 22 51 | 13 30 | 5 55 | T 12 |
| W13 | 11 41 | 2 55 | 5 4 | 15 9 | 2 0 | 14 40 | 6 34 | 23 31 | 0 8 | 13 46 | 0 56 | 12 4 | 2 7 | 21 54 | 0 2 | 12 58 | 1 52 | 22 30 | 15 55 | 23 34 | 23 34 | 22 52 | 13 29 | 5 55 | W13 |
| T 14 | 11 19 | 2n25 | 4 51 | 14 28 | 1 57 | 14 45 | 6 26 | 23 34 | 0 9 | 13 41 | 0 56 | 12 6 | 2 8 | 21 55 | 0 2 | 12 58 | 1 52 | 22 31 | 15 55 | 23 34 | 23 34 | 22 53 | 13 28 | 5 56 | T 14 |
| F 15 | 10 58 | 7 30 | 4 24 | 13 46 | 1 54 | 14 50 | 6 17 | 23 37 | 0 10 | 13 36 | 0 56 | 12 8 | 2 8 | 21 55 | 0 2 | 12 58 | 1 52 | 22 32 | 15 55 | 23 34 | 23 34 | 22 54 | 13 27 | 5 56 | F 15 |
| S 16 | 10 36 | 12 9 | 3 45 | 13 2 | 1 50 | 14 55 | 6 9 | 23 40 | 0 11 | 13 31 | 0 56 | 12 9 | 2 8 | 21 55 | 0 2 | 12 58 | 1 52 | 22 33 | 15 55 | 23 34 | 23 34 | 22 56 | 13 26 | 5 56 | S 16 |
| S 17 | 10 15 | 16 13 | 2 56 | 12 17 | 1 45 | 15 0 | 6 0 | 23 42 | 0 12 | 13 26 | 0 56 | 12 11 | 2 8 | 21 55 | 0 2 | 12 58 | 1 53 | 22 33 | 15 55 | 23 34 | 23 34 | 22 57 | 13 25 | 5 56 | S 17 |
| M18 | 9 53 | 19 34 | 2 1 | 11 30 | 1 40 | 15 4 | 5 52 | 23 45 | 0 13 | 13 21 | 0 56 | 12 13 | 2 8 | 21 55 | 0 2 | 12 57 | 1 53 | 22 34 | 15 55 | 23 34 | 23 34 | 22 58 | 13 24 | 5 56 | M18 |
| T 19 | 9 31 | 22 4 | 1 0 | 10 42 | 1 35 | 15 8 | 5 43 | 23 47 | 0 14 | 13 17 | 0 56 | 12 15 | 2 8 | 21 55 | 0 2 | 12 57 | 1 53 | 22 35 | 15 55 | 23 34 | 23 34 | 22 59 | 13 22 | 5 56 | T 19 |
| W20 | 9 9 | 23 37 | 0n 2 | 9 53 | 1 29 | 15 11 | 5 34 | 23 49 | 0 15 | 13 12 | 0 57 | 12 17 | 2 8 | 21 56 | 0 2 | 12 57 | 1 53 | 22 36 | 15 56 | 23 34 | 23 34 | 23 0 | 13 21 | 5 57 | W20 |
| T 21 | 8 46 | 24 6 | 1 5 | 9 2 | 1 22 | 15 15 | 5 25 | 23 50 | 0 16 | 13 7 | 0 57 | 12 18 | 2 8 | 21 56 | 0 2 | 12 57 | 1 53 | 22 36 | 15 56 | 23 34 | 23 34 | 23 2 | 13 20 | 5 57 | T 21 |
| F 22 | 8 24 | 23 28 | 2 6 | 8 10 | 1 15 | 15 18 | 5 16 | 23 52 | 0 18 | 13 2 | 0 57 | 12 20 | 2 8 | 21 56 | 0 2 | 12 56 | 1 53 | 22 37 | 15 56 | 23 34 | 23 34 | 23 3 | 13 19 | 5 57 | F 22 |
| S 23 | 8 1 | 21 43 | 3 1 | 7 16 | 1 7 | 15 20 | 5 8 | 23 53 | 0 19 | 12 57 | 0 57 | 12 22 | 2 8 | 21 56 | 0 2 | 12 56 | 1 53 | 22 38 | 15 56 | 23 34 | 23 34 | 23 4 | 13 18 | 5 57 | S 23 |
| S 24 | 7 39 | 18 53 | 3 49 | 6 22 | 0 59 | 15 22 | 4 59 | 23 54 | 0 20 | 12 52 | 0 57 | 12 24 | 2 8 | 21 56 | 0 2 | 12 56 | 1 53 | 22 38 | 15 56 | 23 34 | 23 34 | 23 5 | 13 17 | 5 57 | S 24 |
| M25 | 7 16 | 15 7 | 4 27 | 5 27 | 0 50 | 15 24 | 4 50 | 23 55 | 0 21 | 12 47 | 0 57 | 12 25 | 2 8 | 21 56 | 0 2 | 12 56 | 1 53 | 22 39 | 15 56 | 23 34 | 23 34 | 23 6 | 13 16 | 5 58 | M25 |
| T 26 | 6 53 | 10 33 | 4 52 | 4 31 | 0 40 | 15 25 | 4 41 | 23 55 | 0 22 | 12 42 | 0 57 | 12 27 | 2 8 | 21 56 | 0 2 | 12 55 | 1 53 | 22 40 | 15 56 | 23 34 | 23 34 | 23 7 | 13 14 | 5 58 | T 26 |
| W27 | 6 30 | 5 25 | 5 1 | 3 35 | 0 30 | 15 26 | 4 32 | 23 56 | 0 23 | 12 37 | 0 57 | 12 29 | 2 8 | 21 56 | 0 2 | 12 55 | 1 53 | 22 40 | 15 56 | 23 34 | 23 34 | 23 8 | 13 13 | 5 58 | W27 |
| T 28 | 6s 7 | 0s 4 | 4n54 | 2s38 | 0s19 | 15s26 | 4n23 | 23s56 | 0s24 | 12s32 | 0s57 | 12n31 | 2n 8 | 21s57 | 0n 2 | 12s55 | 1n53 | 22n41 | 15n56 | 23n34 | 23n34 | 23n10 | 13s12 | 5n58 | T 28 |

Julian Day Number = 2078303.5, Delta T = 26m15s
Ecliptic obliquity = 23°34'18, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'52, Lahiri = 9°36'52 Julian Calendar 1 Feb. 978 == Greg. Calendar 6 Feb. 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## MARCH 978 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 54 25 | 15♓32'06 | 25♎15 | 26♓ 7 | 3♒ 9 | 3♑56 | 29♒56 | 2°R46 | 9♐21 | 9°R23 | 9°R34 | 28°R38 | 28♊19 | 25♊ 0 | 5♒34 | F 1 |
| S 2 | 10 58 22 | 16°31'35 | 9♏ 7 | 28° 3 | 3°49 | 4°37 | 0♓10 | 2♍41 | 9°22 | 9♏22 | 9♍33 | 28♊31 | 28°16 | 25° 7 | 5°38 | S 2 |
| S 3 | 11 2 18 | 17°31'02 | 23° 4 | 29°58 | 4°30 | 5°18 | 0°24 | 2°37 | 9°22 | 9°21 | 9°31 | 28°27 | 28°12 | 25°13 | 5°41 | S 3 |
| M 4 | 11 6 15 | 18°30'27 | 7♐ 6 | 1♈51 | 5°12 | 5°59 | 0°38 | 2°32 | 9°22 | 9°20 | 9°29 | 28°25 | 28° 9 | 25°20 | 5°45 | M 4 |
| T 5 | 11 10 11 | 19°29'51 | 21°11 | 3°41 | 5°55 | 6°40 | 0°52 | 2°28 | 9°23 | 9°20 | 9°28 | 28°24 | 28° 6 | 25°27 | 5°49 | T 5 |
| W 6 | 11 14 8 | 20°29'13 | 5♑18 | 5°29 | 6°39 | 7°21 | 1° 6 | 2°23 | 9°23 | 9°19 | 9°26 | 28°24 | 28° 3 | 25°33 | 5°52 | W 6 |
| T 7 | 11 18 5 | 21°28'33 | 19°26 | 7°13 | 7°24 | 8° 2 | 1°21 | 2°19 | 9°23 | 9°18 | 9°25 | 28°23 | 28° 0 | 25°40 | 5°56 | T 7 |
| F 8 | 11 22 1 | 22°27'51 | 3♒34 | 8°54 | 8°10 | 8°43 | 1°35 | 2°14 | 9°23 | 9°17 | 9°23 | 28°20 | 27°57 | 25°47 | 5°59 | F 8 |
| S 9 | 11 25 58 | 23°27'08 | 17°40 | 10°30 | 8°57 | 9°24 | 1°49 | 2°10 | 9°R23 | 9°16 | 9°22 | 28°14 | 27°53 | 25°53 | 6° 3 | S 9 |
| S 10 | 11 29 54 | 24°26'22 | 1♓39 | 12° 2 | 9°45 | 10° 5 | 2° 2 | 2° 6 | 9°23 | 9°15 | 9°20 | 28° 5 | 27°50 | 26° 0 | 6° 6 | S 10 |
| M11 | 11 33 51 | 25°25'35 | 15°29 | 13°29 | 10°33 | 10°45 | 2°16 | 2° 2 | 9°23 | 9°14 | 9°18 | 27°53 | 27°47 | 26° 7 | 6° 9 | M11 |
| T 12 | 11 37 47 | 26°24'45 | 29° 5 | 14°51 | 11°22 | 11°26 | 2°30 | 1°58 | 9°23 | 9°13 | 9°17 | 27°40 | 27°44 | 26°13 | 6°13 | T 12 |
| W13 | 11 41 44 | 27°23'53 | 12♈24 | 16° 7 | 12°12 | 12° 7 | 2°44 | 1°54 | 9°23 | 9°12 | 9°15 | 27°28 | 27°41 | 26°20 | 6°16 | W13 |
| T 14 | 11 45 40 | 28°22'59 | 25°24 | 17°18 | 13° 3 | 12°48 | 2°58 | 1°49 | 9°22 | 9°10 | 9°14 | 27°16 | 27°37 | 26°27 | 6°19 | T 14 |
| F 15 | 11 49 37 | 29°22'03 | 8♉ 5 | 18°23 | 13°54 | 13°29 | 3°12 | 1°46 | 9°22 | 9° 9 | 9°12 | 27° 6 | 27°34 | 26°33 | 6°22 | F 15 |
| S 16 | 11 53 34 | 0♈21'05 | 20°27 | 19°21 | 14°46 | 14°10 | 3°25 | 1°42 | 9°22 | 9° 8 | 9°11 | 26°59 | 27°31 | 26°40 | 6°26 | S 16 |
| S 17 | 11 57 30 | 1°20'04 | 2♊34 | 20°13 | 15°38 | 14°50 | 3°39 | 1°38 | 9°21 | 9° 7 | 9° 9 | 26°55 | 27°28 | 26°46 | 6°29 | S 17 |
| M18 | 12 1 27 | 2°19'01 | 14°30 | 20°59 | 16°32 | 15°31 | 3°53 | 1°34 | 9°21 | 9° 6 | 9° 8 | 26°54 | 27°25 | 26°53 | 6°32 | M18 |
| T 19 | 12 5 23 | 3°17'56 | 26°19 | 21°38 | 17°25 | 16°12 | 4° 6 | 1°30 | 9°21 | 9° 4 | 9° 6 | 26°53 | 27°22 | 27° 0 | 6°35 | T 19 |
| W20 | 12 9 20 | 4°16'49 | 8♋ 7 | 22°11 | 18°20 | 16°53 | 4°20 | 1°27 | 9°20 | 9° 3 | 9° 5 | 26°53 | 27°18 | 27° 6 | 6°38 | W20 |
| T 21 | 12 13 16 | 5°15'39 | 19°59 | 22°37 | 19°14 | 17°33 | 4°33 | 1°23 | 9°19 | 9° 2 | 9° 4 | 26°52 | 27°15 | 27°13 | 6°40 | T 21 |
| F 22 | 12 17 13 | 6°14'27 | 2♌ 2 | 22°56 | 20°10 | 18°14 | 4°47 | 1°20 | 9°19 | 9° 1 | 9° 2 | 26°50 | 27°12 | 27°20 | 6°43 | F 22 |
| S 23 | 12 21 9 | 7°13'12 | 14°19 | 23° 9 | 21° 6 | 18°55 | 5° 0 | 1°16 | 9°18 | 8°59 | 9° 1 | 26°45 | 27° 9 | 27°26 | 6°46 | S 23 |
| S 24 | 12 25 6 | 8°11'56 | 26°55 | 23°R15 | 22° 2 | 19°36 | 5°13 | 1°13 | 9°17 | 8°58 | 8°59 | 26°38 | 27° 6 | 27°33 | 6°49 | S 24 |
| M25 | 12 29 3 | 9°10'37 | 9♍52 | 23°15 | 22°59 | 20°16 | 5°26 | 1°10 | 9°17 | 8°57 | 8°58 | 26°28 | 27° 3 | 27°40 | 6°51 | M25 |
| T 26 | 12 32 59 | 10° 9'15 | 23°11 | 23° 9 | 23°56 | 20°57 | 5°40 | 1° 7 | 9°16 | 8°55 | 8°57 | 26°17 | 26°59 | 27°46 | 6°54 | T 26 |
| W27 | 12 36 56 | 11° 7'52 | 6♎50 | 22°57 | 24°54 | 21°38 | 5°53 | 1° 3 | 9°15 | 8°54 | 8°55 | 26° 5 | 26°56 | 27°53 | 6°57 | W27 |
| T 28 | 12 40 52 | 12° 6'27 | 20°47 | 22°39 | 25°52 | 22°18 | 6° 6 | 1° 0 | 9°14 | 8°53 | 8°54 | 25°54 | 26°53 | 28° 0 | 6°59 | T 28 |
| F 29 | 12 44 49 | 13° 5'00 | 4♏57 | 22°17 | 26°50 | 22°59 | 6°19 | 0°57 | 9°13 | 8°51 | 8°53 | 25°44 | 26°50 | 28° 6 | 7° 2 | F 29 |
| S 30 | 12 48 45 | 14° 3'31 | 19°14 | 21°50 | 27°49 | 23°39 | 6°32 | 0°55 | 9°12 | 8°50 | 8°52 | 25°37 | 26°47 | 28°13 | 7° 4 | S 30 |
| S 31 | 12 52 42 | 15♈ 2'00 | 3♐35 | 21♈18 | 28♒48 | 24♑20 | 6♓45 | 0♍52 | 9♐11 | 8♏48 | 8♍50 | 25♊33 | 26♊43 | 28♊19 | 7♒ 6 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s44 | 5s38 | 4n30 | 1s41 | 0s 9 | 15s26 | 4n14 | 23s56 | 0s25 | 12s27 | 0s57 | 12n32 | 2n 8 | 21s57 | 0n 2 | 12s55 | 1n53 | 22n42 | 15n56 | 23n34 | 23n34 | 23n11 | 13s11 | 5n59 |
| S 2 | 5 21 | 10 59 | 3 50 | 0 44 | 0n 3 | 15 25 | 4 6 | 23 56 | 0 27 | 12 22 | 0 57 | 12 34 | 2 8 | 21 57 | 0 2 | 12 54 | 1 53 | 22 42 | 15 56 | 23 34 | 23 34 | 23 12 | 13 10 | 5 59 |
| S 3 | 4 58 | 15 49 | 2 55 | 0n13 | 0 15 | 15 24 | 3 57 | 23 56 | 0 28 | 12 17 | 0 58 | 12 36 | 2 8 | 21 57 | 0 2 | 12 54 | 1 53 | 22 43 | 15 56 | 23 34 | 23 34 | 23 13 | 13 9 | 5 59 |
| M 4 | 4 34 | 19 48 | 1 50 | 1 9 | 0 27 | 15 23 | 3 48 | 23 55 | 0 29 | 12 12 | 0 58 | 12 37 | 2 8 | 21 57 | 0 2 | 12 54 | 1 53 | 22 44 | 15 56 | 23 34 | 23 34 | 23 14 | 13 8 | 5 59 |
| T 5 | 4 11 | 22 38 | 0 38 | 2 4 | 0 39 | 15 21 | 3 40 | 23 54 | 0 30 | 12 7 | 0 58 | 12 39 | 2 8 | 21 57 | 0 2 | 12 53 | 1 53 | 22 44 | 15 56 | 23 34 | 23 33 | 23 15 | 13 7 | 6 0 |
| W 6 | 3 47 | 24 4 | 0s36 | 2 58 | 0 51 | 15 18 | 3 31 | 23 53 | 0 31 | 12 2 | 0 58 | 12 40 | 2 8 | 21 57 | 0 2 | 12 53 | 1 53 | 22 45 | 15 56 | 23 34 | 23 33 | 23 16 | 13 6 | 6 0 |
| T 7 | 3 24 | 23 57 | 1 49 | 3 51 | 1 3 | 15 15 | 3 23 | 23 52 | 0 33 | 11 58 | 0 58 | 12 42 | 2 8 | 21 57 | 0 2 | 12 53 | 1 53 | 22 45 | 15 56 | 23 34 | 23 33 | 23 17 | 13 4 | 6 0 |
| F 8 | 3 0 | 22 17 | 2 54 | 4 42 | 1 16 | 15 12 | 3 15 | 23 51 | 0 34 | 11 53 | 0 58 | 12 44 | 2 8 | 21 57 | 0 2 | 12 52 | 1 54 | 22 46 | 15 56 | 23 34 | 23 33 | 23 19 | 13 3 | 6 0 |
| S 9 | 2 37 | 19 15 | 3 49 | 5 31 | 1 28 | 15 7 | 3 6 | 23 49 | 0 35 | 11 48 | 0 58 | 12 45 | 2 8 | 21 57 | 0 2 | 12 52 | 1 54 | 22 46 | 15 56 | 23 34 | 23 33 | 23 20 | 13 2 | 6 1 |
| S 10 | 2 13 | 15 8 | 4 29 | 6 19 | 1 40 | 15 3 | 2 58 | 23 47 | 0 36 | 11 43 | 0 58 | 12 47 | 2 8 | 21 57 | 0 2 | 12 52 | 1 54 | 22 47 | 15 56 | 23 33 | 23 33 | 23 21 | 13 1 | 6 1 |
| M11 | 1 50 | 10 15 | 4 53 | 7 3 | 1 51 | 14 58 | 2 50 | 23 46 | 0 38 | 11 38 | 0 58 | 12 48 | 2 8 | 21 57 | 0 2 | 12 51 | 1 54 | 22 48 | 15 56 | 23 33 | 23 33 | 23 22 | 13 0 | 6 1 |
| T 12 | 1 26 | 4 57 | 5 0 | 7 46 | 2 3 | 14 52 | 2 42 | 23 43 | 0 39 | 11 33 | 0 59 | 12 50 | 2 8 | 21 57 | 0 2 | 12 51 | 1 54 | 22 48 | 15 55 | 23 33 | 23 33 | 23 23 | 12 59 | 6 2 |
| W13 | 1 2 | 0n29 | 4 50 | 8 25 | 2 13 | 14 46 | 2 34 | 23 41 | 0 40 | 11 28 | 0 59 | 12 51 | 2 8 | 21 57 | 0 2 | 12 50 | 1 54 | 22 49 | 15 55 | 23 33 | 23 33 | 23 24 | 12 58 | 6 2 |
| T 14 | 0 39 | 5 46 | 4 25 | 9 2 | 2 23 | 14 40 | 2 26 | 23 38 | 0 42 | 11 23 | 0 59 | 12 52 | 2 8 | 21 57 | 0 2 | 12 50 | 1 54 | 22 49 | 15 55 | 23 33 | 23 33 | 23 25 | 12 57 | 6 2 |
| F 15 | 0 15 | 10 41 | 3 48 | 9 35 | 2 33 | 14 32 | 2 18 | 23 36 | 0 43 | 11 18 | 0 59 | 12 54 | 2 8 | 21 57 | 0 2 | 12 50 | 1 54 | 22 50 | 15 55 | 23 32 | 23 33 | 23 26 | 12 56 | 6 2 |
| S 16 | 0n 8 | 15 4 | 3 0 | 10 6 | 2 41 | 14 25 | 2 11 | 23 33 | 0 44 | 11 13 | 0 59 | 12 55 | 2 8 | 21 57 | 0 2 | 12 49 | 1 54 | 22 50 | 15 55 | 23 32 | 23 33 | 23 27 | 12 55 | 6 3 |
| S 17 | 0 32 | 18 45 | 2 5 | 10 33 | 2 49 | 14 17 | 2 3 | 23 30 | 0 46 | 11 9 | 0 59 | 12 57 | 2 8 | 21 57 | 0 2 | 12 49 | 1 54 | 22 50 | 15 55 | 23 32 | 23 33 | 23 28 | 12 54 | 6 3 |
| M18 | 0 56 | 21 35 | 1 5 | 10 57 | 2 56 | 14 8 | 1 56 | 23 26 | 0 47 | 11 4 | 0 59 | 12 58 | 2 8 | 21 57 | 0 2 | 12 48 | 1 54 | 22 51 | 15 55 | 23 32 | 23 33 | 23 29 | 12 53 | 6 3 |
| T 19 | 1 19 | 23 28 | 0 3 | 11 17 | 3 1 | 13 59 | 1 48 | 23 23 | 0 48 | 10 59 | 0 59 | 12 59 | 2 8 | 21 57 | 0 2 | 12 48 | 1 54 | 22 51 | 15 55 | 23 32 | 23 33 | 23 30 | 12 52 | 6 4 |
| W20 | 1 43 | 24 18 | 0n59 | 11 33 | 3 6 | 13 49 | 1 41 | 23 19 | 0 50 | 10 54 | 1 0 | 13 0 | 2 8 | 21 57 | 0 2 | 12 48 | 1 54 | 22 52 | 15 54 | 23 32 | 23 33 | 23 31 | 12 51 | 6 4 |
| T 21 | 2 6 | 24 2 | 1 59 | 11 46 | 3 9 | 13 39 | 1 34 | 23 15 | 0 51 | 10 49 | 1 0 | 13 2 | 2 8 | 21 57 | 0 2 | 12 47 | 1 54 | 22 52 | 15 54 | 23 32 | 23 33 | 23 32 | 12 50 | 6 4 |
| F 22 | 2 29 | 22 39 | 2 55 | 11 56 | 3 12 | 13 28 | 1 27 | 23 11 | 0 52 | 10 44 | 1 0 | 13 3 | 2 8 | 21 56 | 0 2 | 12 47 | 1 54 | 22 53 | 15 54 | 23 32 | 23 33 | 23 33 | 12 49 | 6 5 |
| S 23 | 2 53 | 20 11 | 3 43 | 12 1 | 3 12 | 13 17 | 1 20 | 23 7 | 0 54 | 10 40 | 1 0 | 13 4 | 2 8 | 21 56 | 0 2 | 12 46 | 1 54 | 22 53 | 15 54 | 23 32 | 23 32 | 23 34 | 12 48 | 6 5 |
| S 24 | 3 16 | 16 43 | 4 22 | 12 3 | 3 12 | 13 6 | 1 13 | 23 3 | 0 55 | 10 35 | 1 0 | 13 5 | 2 7 | 21 56 | 0 2 | 12 46 | 1 54 | 22 53 | 15 54 | 23 32 | 23 32 | 23 35 | 12 47 | 6 5 |
| M25 | 3 39 | 12 22 | 4 49 | 12 1 | 3 10 | 12 54 | 1 6 | 22 58 | 0 57 | 10 30 | 1 0 | 13 6 | 2 7 | 21 56 | 0 2 | 12 45 | 1 54 | 22 54 | 15 54 | 23 31 | 23 32 | 23 36 | 12 46 | 6 6 |
| T 26 | 4 3 | 7 19 | 5 1 | 11 56 | 3 7 | 12 41 | 0 59 | 22 53 | 0 58 | 10 25 | 1 0 | 13 7 | 2 7 | 21 56 | 0 2 | 12 45 | 1 54 | 22 54 | 15 53 | 23 31 | 23 32 | 23 37 | 12 45 | 6 6 |
| W27 | 4 26 | 1 48 | 4 56 | 11 47 | 3 2 | 12 28 | 0 53 | 22 48 | 1 0 | 10 21 | 1 1 | 13 8 | 2 7 | 21 56 | 0 2 | 12 44 | 1 54 | 22 54 | 15 53 | 23 31 | 23 32 | 23 38 | 12 44 | 6 6 |
| T 28 | 4 49 | 3s56 | 4 34 | 11 35 | 2 56 | 12 14 | 0 47 | 22 43 | 1 1 | 10 16 | 1 1 | 13 9 | 2 7 | 21 56 | 0 2 | 12 44 | 1 54 | 22 55 | 15 53 | 23 30 | 23 32 | 23 39 | 12 43 | 6 7 |
| F 29 | 5 12 | 9 34 | 3 54 | 11 19 | 2 48 | 12 0 | 0 40 | 22 38 | 1 2 | 10 11 | 1 1 | 13 10 | 2 7 | 21 56 | 0 2 | 12 43 | 1 54 | 22 55 | 15 53 | 23 30 | 23 32 | 23 40 | 12 42 | 6 7 |
| S 30 | 5 34 | 14 45 | 3 0 | 11 0 | 2 39 | 11 46 | 0 34 | 22 32 | 1 4 | 10 7 | 1 1 | 13 11 | 2 7 | 21 55 | 0 2 | 12 43 | 1 54 | 22 55 | 15 52 | 23 30 | 23 32 | 23 41 | 12 41 | 6 7 |
| S 31 | 5n57 | 19s 7 | 1n54 | 10n39 | 2n28 | 11s31 | 0n28 | 22s27 | 1s 5 | 10s 2 | 1s 1 | 13n12 | 2n 7 | 21s55 | 0n 2 | 12s42 | 1n54 | 22n55 | 15n52 | 23n30 | 23n32 | 23n42 | 12s40 | 6n 8 |

Julian Day Number = 2078331.5, Delta T = 26m14s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°29'56, Lahiri = 9°36'56 Julian Calendar 1 March 978 == Greg. Calendar 6 March 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## APRIL 978 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 56 38 | 16♈ 0'28 | 17♐53 | 20°R44 | 29♒48 | 25♑ 0 | 6♓57 | 0°R49 | 9°R10 | 8°R47 | 8°R49 | 25°R31 | 26♊40 | 28♊26 | 7♒ 9 | M 1 |
| T 2 | 13 0 35 | 16°58'54 | 2♑ 8 | 20♈ 7 | 0♓48 | 25°41 | 7°10 | 0♍47 | 9♐ 9 | 8♏45 | 8♍48 | 25°D31 | 26°37 | 28°33 | 7°11 | T 2 |
| W 3 | 13 4 32 | 17°57'18 | 16°16 | 19°28 | 1°48 | 26°21 | 7°23 | 0°44 | 9° 8 | 8°44 | 8°47 | 25°R32 | 26°34 | 28°39 | 7°13 | W 3 |
| T 4 | 13 8 28 | 18°55'41 | 0♒17 | 18°47 | 2°49 | 27° 2 | 7°36 | 0°42 | 9° 6 | 8°42 | 8°46 | 25♊31 | 26°31 | 28°46 | 7°15 | T 4 |
| F 5 | 13 12 25 | 19°54'03 | 14°11 | 18° 6 | 3°50 | 27°42 | 7°48 | 0°39 | 9° 5 | 8°41 | 8°44 | 25°29 | 26°28 | 28°53 | 7°17 | F 5 |
| S 6 | 13 16 21 | 20°52'22 | 27°55 | 17°26 | 4°51 | 28°23 | 8° 1 | 0°37 | 9° 4 | 8°39 | 8°43 | 25°24 | 26°24 | 28°59 | 7°19 | S 6 |
| S 7 | 13 20 18 | 21°50'40 | 11♓30 | 16°46 | 5°53 | 29° 3 | 8°13 | 0°35 | 9° 2 | 8°38 | 8°42 | 25°17 | 26°21 | 29° 6 | 7°21 | S 7 |
| M 8 | 13 24 14 | 22°48'56 | 24°55 | 16° 9 | 6°55 | 29°43 | 8°25 | 0°33 | 9° 1 | 8°36 | 8°41 | 25° 8 | 26°18 | 29°13 | 7°23 | M 8 |
| T 9 | 13 28 11 | 23°47'11 | 8♈ 7 | 15°33 | 7°57 | 0♒24 | 8°38 | 0°31 | 8°59 | 8°35 | 8°40 | 24°57 | 26°15 | 29°19 | 7°25 | T 9 |
| W10 | 13 32 7 | 24°45'24 | 21° 5 | 15° 0 | 9° 0 | 1° 4 | 8°50 | 0°29 | 8°58 | 8°33 | 8°39 | 24°46 | 26°12 | 29°26 | 7°27 | W10 |
| T 11 | 13 36 4 | 25°43'35 | 3♉48 | 14°31 | 10° 2 | 1°44 | 9° 2 | 0°28 | 8°56 | 8°32 | 8°38 | 24°37 | 26° 9 | 29°33 | 7°29 | T 11 |
| F 12 | 13 40 0 | 26°41'44 | 16°17 | 14° 5 | 11° 5 | 2°24 | 9°14 | 0°26 | 8°55 | 8°30 | 8°37 | 24°29 | 26° 5 | 29°39 | 7°30 | F 12 |
| S 13 | 13 43 57 | 27°39'52 | 28°31 | 13°43 | 12° 8 | 3° 4 | 9°26 | 0°24 | 8°53 | 8°28 | 8°36 | 24°23 | 26° 2 | 29°46 | 7°32 | S 13 |
| S 14 | 13 47 54 | 28°37'57 | 10♊33 | 13°26 | 13°12 | 3°44 | 9°38 | 0°23 | 8°52 | 8°27 | 8°35 | 24°20 | 25°59 | 29°53 | 7°33 | S 14 |
| M15 | 13 51 50 | 29°36'01 | 22°27 | 13°13 | 14°15 | 4°24 | 9°49 | 0°22 | 8°50 | 8°25 | 8°34 | 24°D19 | 25°56 | 29°59 | 7°35 | M15 |
| T 16 | 13 55 47 | 0♉34'03 | 4♋15 | 13° 5 | 15°19 | 5° 4 | 10° 1 | 0°20 | 8°48 | 8°24 | 8°33 | 24°19 | 25°53 | 0♋ 6 | 7°36 | T 16 |
| W17 | 13 59 43 | 1°32'03 | 16° 3 | 13°D 1 | 16°23 | 5°44 | 10°13 | 0°19 | 8°46 | 8°22 | 8°33 | 24°20 | 25°49 | 0°12 | 7°38 | W17 |
| T 18 | 14 3 40 | 2°30'02 | 27°55 | 13° 2 | 17°27 | 6°24 | 10°24 | 0°18 | 8°45 | 8°20 | 8°32 | 24°R21 | 25°46 | 0°19 | 7°39 | T 18 |
| F 19 | 14 7 36 | 3°27'58 | 9♌58 | 13° 8 | 18°32 | 7° 4 | 10°36 | 0°17 | 8°43 | 8°19 | 8°31 | 24°21 | 25°43 | 0°26 | 7°40 | F 19 |
| S 20 | 14 11 33 | 4°25'52 | 22°15 | 13°18 | 19°37 | 7°43 | 10°47 | 0°17 | 8°41 | 8°17 | 8°30 | 24°19 | 25°40 | 0°32 | 7°41 | S 20 |
| S 21 | 14 15 29 | 5°23'45 | 4♍52 | 13°33 | 20°41 | 8°23 | 10°58 | 0°16 | 8°39 | 8°16 | 8°29 | 24°16 | 25°37 | 0°39 | 7°42 | S 21 |
| M22 | 14 19 26 | 6°21'35 | 17°53 | 13°53 | 21°46 | 9° 3 | 11° 9 | 0°15 | 8°37 | 8°14 | 8°29 | 24°10 | 25°34 | 0°46 | 7°43 | M22 |
| T 23 | 14 23 23 | 7°19'24 | 1♎18 | 14°17 | 22°52 | 9°42 | 11°20 | 0°15 | 8°35 | 8°12 | 8°28 | 24° 3 | 25°30 | 0°52 | 7°44 | T 23 |
| W24 | 14 27 19 | 8°17'11 | 15° 8 | 14°45 | 23°57 | 10°22 | 11°31 | 0°14 | 8°33 | 8°11 | 8°27 | 23°56 | 25°27 | 0°59 | 7°45 | W24 |
| T 25 | 14 31 16 | 9°14'57 | 29°21 | 15°17 | 25° 2 | 11° 1 | 11°42 | 0°14 | 8°31 | 8° 9 | 8°27 | 23°49 | 25°24 | 1° 6 | 7°46 | T 25 |
| F 26 | 14 35 12 | 10°12'41 | 13♏52 | 15°53 | 26° 8 | 11°40 | 11°53 | 0°14 | 8°29 | 8° 7 | 8°26 | 23°43 | 25°21 | 1°12 | 7°47 | F 26 |
| S 27 | 14 39 9 | 11°10'24 | 28°33 | 16°34 | 27°14 | 12°20 | 12° 3 | 0°D14 | 8°27 | 8° 6 | 8°26 | 23°39 | 25°18 | 1°19 | 7°48 | S 27 |
| S 28 | 14 43 5 | 12° 8'06 | 13♐18 | 17°17 | 28°20 | 12°59 | 12°14 | 0°14 | 8°25 | 8° 4 | 8°25 | 23°37 | 25°14 | 1°26 | 7°48 | S 28 |
| M29 | 14 47 2 | 13° 5'46 | 28° 1 | 18° 5 | 29°26 | 13°38 | 12°24 | 0°14 | 8°23 | 8° 3 | 8°25 | 23°D36 | 25°11 | 1°32 | 7°49 | M29 |
| T 30 | 14 50 58 | 14♉ 3'25 | 12♑34 | 18♈56 | 0♈33 | 14♒17 | 12♓35 | 0♍14 | 8♐21 | 8♏ 1 | 8♍24 | 23♊37 | 25♊ 8 | 1♋39 | 7♒49 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n20 | 22s21 | 0n40 | 10n15 | 2n17 | 11s16 | 0n22 | 22s21 | 1s 7 | 9s57 | 1s 1 | 13n13 | 2n 7 | 21s55 | 0n 2 | 12s42 | 1n54 | 22n56 | 15n52 | 23n30 | 23n32 | 23n43 | 12s39 | 6n 8 |
| T 2 | 6 42 | 24 8 | 0s35 | 9 49 | 2 4 | 11 0 | 0 16 | 22 15 | 1 9 | 9 53 | 1 1 | 13 14 | 2 7 | 21 55 | 0 2 | 12 41 | 1 54 | 22 56 | 15 52 | 23 30 | 23 32 | 23 44 | 12 38 | 6 9 |
| W 3 | 7 5 | 24 22 | 1 48 | 9 21 | 1 50 | 10 44 | 0 10 | 22 9 | 1 10 | 9 48 | 1 2 | 13 15 | 2 6 | 21 55 | 0 2 | 12 41 | 1 54 | 22 56 | 15 51 | 23 30 | 23 32 | 23 45 | 12 37 | 6 9 |
| T 4 | 7 27 | 23 2 | 2 54 | 8 52 | 1 35 | 10 27 | 0 5 | 22 2 | 1 12 | 9 43 | 1 2 | 13 15 | 2 6 | 21 55 | 0 2 | 12 40 | 1 54 | 22 56 | 15 51 | 23 30 | 23 32 | 23 46 | 12 36 | 6 9 |
| F 5 | 7 49 | 20 19 | 3 49 | 8 21 | 1 19 | 10 10 | 0s 1 | 21 56 | 1 13 | 9 39 | 1 2 | 13 16 | 2 6 | 21 54 | 0 2 | 12 40 | 1 54 | 22 56 | 15 51 | 23 30 | 23 31 | 23 47 | 12 35 | 6 10 |
| S 6 | 8 11 | 16 29 | 4 30 | 7 51 | 1 3 | 9 53 | 0 6 | 21 49 | 1 15 | 9 34 | 1 2 | 13 17 | 2 6 | 21 54 | 0 2 | 12 39 | 1 55 | 22 57 | 15 51 | 23 29 | 23 31 | 23 48 | 12 34 | 6 10 |
| S 7 | 8 33 | 11 50 | 4 55 | 7 20 | 0 46 | 9 35 | 0 11 | 21 42 | 1 16 | 9 30 | 1 2 | 13 17 | 2 6 | 21 54 | 0 2 | 12 39 | 1 55 | 22 57 | 15 50 | 23 29 | 23 31 | 23 49 | 12 34 | 6 10 |
| M 8 | 8 55 | 6 40 | 5 4 | 6 50 | 0 29 | 9 17 | 0 17 | 21 35 | 1 18 | 9 25 | 1 2 | 13 18 | 2 6 | 21 54 | 0 2 | 12 38 | 1 55 | 22 57 | 15 50 | 23 29 | 23 31 | 23 50 | 12 33 | 6 11 |
| T 9 | 9 17 | 1 18 | 4 56 | 6 21 | 0 12 | 8 58 | 0 22 | 21 28 | 1 20 | 9 21 | 1 3 | 13 19 | 2 6 | 21 54 | 0 2 | 12 38 | 1 55 | 22 57 | 15 50 | 23 28 | 23 31 | 23 51 | 12 32 | 6 11 |
| W10 | 9 38 | 4n 3 | 4 33 | 5 52 | 0s 5 | 8 39 | 0 27 | 21 21 | 1 21 | 9 16 | 1 3 | 13 19 | 2 6 | 21 53 | 0 2 | 12 37 | 1 55 | 22 57 | 15 49 | 23 28 | 23 31 | 23 52 | 12 31 | 6 12 |
| T 11 | 10 0 | 9 9 | 3 56 | 5 25 | 0 21 | 8 20 | 0 31 | 21 14 | 1 23 | 9 12 | 1 3 | 13 20 | 2 6 | 21 53 | 0 2 | 12 37 | 1 55 | 22 57 | 15 49 | 23 28 | 23 31 | 23 53 | 12 30 | 6 12 |
| F 12 | 10 21 | 13 47 | 3 9 | 5 0 | 0 38 | 8 0 | 0 36 | 21 6 | 1 24 | 9 8 | 1 3 | 13 20 | 2 5 | 21 53 | 0 2 | 12 36 | 1 55 | 22 57 | 15 49 | 23 27 | 23 31 | 23 54 | 12 30 | 6 12 |
| S 13 | 10 42 | 17 46 | 2 14 | 4 37 | 0 53 | 7 40 | 0 41 | 20 59 | 1 26 | 9 3 | 1 3 | 13 20 | 2 5 | 21 53 | 0 2 | 12 36 | 1 55 | 22 57 | 15 48 | 23 27 | 23 31 | 23 54 | 12 29 | 6 13 |
| S 14 | 11 3 | 20 57 | 1 13 | 4 17 | 1 9 | 7 20 | 0 45 | 20 51 | 1 28 | 8 59 | 1 4 | 13 21 | 2 5 | 21 52 | 0 2 | 12 35 | 1 55 | 22 58 | 15 48 | 23 27 | 23 31 | 23 55 | 12 28 | 6 13 |
| M15 | 11 24 | 23 11 | 0 10 | 3 58 | 1 23 | 6 59 | 0 49 | 20 43 | 1 29 | 8 55 | 1 4 | 13 21 | 2 5 | 21 52 | 0 2 | 12 35 | 1 55 | 22 58 | 15 48 | 23 27 | 23 31 | 23 56 | 12 27 | 6 14 |
| T 16 | 11 44 | 24 23 | 0n53 | 3 42 | 1 37 | 6 38 | 0 54 | 20 35 | 1 31 | 8 50 | 1 4 | 13 21 | 2 5 | 21 52 | 0 2 | 12 34 | 1 55 | 22 58 | 15 47 | 23 27 | 23 30 | 23 57 | 12 26 | 6 14 |
| W17 | 12 4 | 24 30 | 1 54 | 3 29 | 1 50 | 6 17 | 0 58 | 20 26 | 1 33 | 8 46 | 1 4 | 13 22 | 2 5 | 21 52 | 0 2 | 12 34 | 1 55 | 22 58 | 15 47 | 23 27 | 23 30 | 23 58 | 12 26 | 6 14 |
| T 18 | 12 24 | 23 29 | 2 51 | 3 18 | 2 2 | 5 56 | 1 2 | 20 18 | 1 35 | 8 42 | 1 4 | 13 22 | 2 5 | 21 51 | 0 2 | 12 33 | 1 55 | 22 58 | 15 47 | 23 27 | 23 30 | 23 59 | 12 25 | 6 15 |
| F 19 | 12 44 | 21 23 | 3 41 | 3 10 | 2 13 | 5 34 | 1 6 | 20 10 | 1 36 | 8 38 | 1 5 | 13 22 | 2 4 | 21 51 | 0 2 | 12 33 | 1 55 | 22 58 | 15 46 | 23 27 | 23 30 | 24 0 | 12 24 | 6 15 |
| S 20 | 13 4 | 18 17 | 4 22 | 3 5 | 2 24 | 5 12 | 1 9 | 20 1 | 1 38 | 8 34 | 1 5 | 13 22 | 2 4 | 21 51 | 0 2 | 12 32 | 1 55 | 22 58 | 15 46 | 23 27 | 23 30 | 24 1 | 12 24 | 6 16 |
| S 21 | 13 24 | 14 17 | 4 51 | 3 2 | 2 33 | 4 50 | 1 13 | 19 52 | 1 40 | 8 30 | 1 5 | 13 22 | 2 4 | 21 51 | 0 2 | 12 32 | 1 55 | 22 57 | 15 46 | 23 27 | 23 30 | 24 1 | 12 23 | 6 16 |
| M22 | 13 43 | 9 31 | 5 6 | 3 2 | 2 41 | 4 27 | 1 16 | 19 44 | 1 41 | 8 26 | 1 5 | 13 23 | 2 4 | 21 50 | 0 2 | 12 31 | 1 55 | 22 57 | 15 45 | 23 27 | 23 30 | 24 2 | 12 22 | 6 16 |
| T 23 | 14 2 | 4 9 | 5 6 | 3 4 | 2 49 | 4 4 | 1 20 | 19 35 | 1 43 | 8 21 | 1 5 | 13 23 | 2 4 | 21 50 | 0 2 | 12 31 | 1 55 | 22 57 | 15 45 | 23 26 | 23 30 | 24 3 | 12 22 | 6 17 |
| W24 | 14 21 | 1s34 | 4 48 | 3 9 | 2 56 | 3 41 | 1 23 | 19 26 | 1 45 | 8 17 | 1 6 | 13 23 | 2 4 | 21 50 | 0 1 | 12 30 | 1 55 | 22 57 | 15 44 | 23 26 | 23 30 | 24 4 | 12 21 | 6 17 |
| T 25 | 14 39 | 7 23 | 4 12 | 3 16 | 3 2 | 3 18 | 1 26 | 19 16 | 1 47 | 8 14 | 1 6 | 13 23 | 2 4 | 21 49 | 0 1 | 12 30 | 1 55 | 22 57 | 15 44 | 23 26 | 23 29 | 24 5 | 12 20 | 6 18 |
| F 26 | 14 58 | 12 56 | 3 19 | 3 25 | 3 7 | 2 55 | 1 29 | 19 7 | 1 49 | 8 10 | 1 6 | 13 23 | 2 3 | 21 49 | 0 1 | 12 29 | 1 55 | 22 57 | 15 44 | 23 25 | 23 29 | 24 6 | 12 20 | 6 18 |
| S 27 | 15 16 | 17 48 | 2 12 | 3 37 | 3 11 | 2 31 | 1 32 | 18 58 | 1 50 | 8 6 | 1 6 | 13 22 | 2 3 | 21 49 | 0 1 | 12 29 | 1 55 | 22 57 | 15 43 | 23 25 | 23 29 | 24 6 | 12 19 | 6 18 |
| S 28 | 15 34 | 21 36 | 0 56 | 3 50 | 3 14 | 2 7 | 1 35 | 18 48 | 1 52 | 8 2 | 1 6 | 13 22 | 2 3 | 21 48 | 0 1 | 12 28 | 1 55 | 22 57 | 15 43 | 23 25 | 23 29 | 24 7 | 12 19 | 6 19 |
| M29 | 15 51 | 23 57 | 0s24 | 4 6 | 3 16 | 1 43 | 1 38 | 18 39 | 1 54 | 7 58 | 1 7 | 13 22 | 2 3 | 21 48 | 0 1 | 12 27 | 1 55 | 22 57 | 15 43 | 23 25 | 23 29 | 24 8 | 12 18 | 6 19 |
| T 30 | 16n 9 | 24s39 | 1s41 | 4n24 | 3s18 | 1s19 | 1s40 | 18s29 | 1s56 | 7s54 | 1s 7 | 13n22 | 2n 3 | 21s48 | 0n 1 | 12s27 | 1n55 | 22n56 | 15n42 | 23n25 | 23n29 | 24n 9 | 12s18 | 6n20 |

Julian Day Number = 2078362.5, Delta T = 26m14s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'00, Lahiri = 9°37'01 Julian Calendar 1 Apr. 978 == Greg. Calendar 6 Apr. 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## MAY 978 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 54 55 | 15♉ 1'03 | 26♊55 | 19♈50 | 1♈39 | 14♒56 | 12♓45 | 0♍14 | 8°R19 | 7°R59 | 8°R24 | 23♊39 | 25♊ 5 | 1♋45 | 7♒50 | W 1 |
| T 2 | 14 58 52 | 15°58'41 | 11♒ 1 | 20°48 | 2°46 | 15°35 | 12°55 | 0°15 | 8♐16 | 7♏58 | 8♍23 | 23°R40 | 25° 2 | 1°52 | 7°50 | T 2 |
| F 3 | 15 2 48 | 16°56'17 | 24°52 | 21°49 | 3°52 | 16°14 | 13° 5 | 0°15 | 8°14 | 7°56 | 8°23 | 23°39 | 24°59 | 1°59 | 7°50 | F 3 |
| S 4 | 15 6 45 | 17°53'52 | 8♓26 | 22°53 | 4°59 | 16°53 | 13°15 | 0°16 | 8°12 | 7°54 | 8°23 | 23°38 | 24°55 | 2° 5 | 7°51 | S 4 |
| S 5 | 15 10 41 | 18°51'26 | 21°45 | 24° 0 | 6° 6 | 17°31 | 13°25 | 0°17 | 8°10 | 7°53 | 8°22 | 23°35 | 24°52 | 2°12 | 7°51 | S 5 |
| M 6 | 15 14 38 | 19°48'59 | 4♈49 | 25°10 | 7°13 | 18°10 | 13°34 | 0°17 | 8° 7 | 7°51 | 8°22 | 23°30 | 24°49 | 2°19 | 7°51 | M 6 |
| T 7 | 15 18 34 | 20°46'31 | 17°40 | 26°23 | 8°21 | 18°48 | 13°44 | 0°18 | 8° 5 | 7°50 | 8°22 | 23°25 | 24°46 | 2°25 | 7°51 | T 7 |
| W 8 | 15 22 31 | 21°44'02 | 0♉17 | 27°38 | 9°28 | 19°27 | 13°53 | 0°19 | 8° 3 | 7°48 | 8°22 | 23°19 | 24°43 | 2°32 | 7°R51 | W 8 |
| T 9 | 15 26 27 | 22°41'32 | 12°42 | 28°57 | 10°36 | 20° 5 | 14° 2 | 0°20 | 8° 0 | 7°47 | 8°21 | 23°15 | 24°40 | 2°39 | 7°51 | T 9 |
| F 10 | 15 30 24 | 23°39'02 | 24°56 | 0♉18 | 11°43 | 20°43 | 14°12 | 0°22 | 7°58 | 7°45 | 8°21 | 23°11 | 24°36 | 2°45 | 7°51 | F 10 |
| S 11 | 15 34 21 | 24°36'30 | 7♊ 0 | 1°42 | 12°51 | 21°21 | 14°21 | 0°23 | 7°56 | 7°43 | 8°21 | 23° 8 | 24°33 | 2°52 | 7°51 | S 11 |
| S 12 | 15 38 17 | 25°33'57 | 18°55 | 3° 8 | 13°59 | 21°59 | 14°30 | 0°24 | 7°53 | 7°42 | 8°21 | 23°D 7 | 24°30 | 2°59 | 7°51 | S 12 |
| M13 | 15 42 14 | 26°31'23 | 0♋45 | 4°37 | 15° 7 | 22°37 | 14°38 | 0°26 | 7°51 | 7°40 | 8°21 | 23° 7 | 24°27 | 3° 5 | 7°50 | M13 |
| T 14 | 15 46 10 | 27°28'48 | 12°32 | 6° 9 | 16°15 | 23°15 | 14°47 | 0°28 | 7°49 | 7°39 | 8°D21 | 23° 8 | 24°24 | 3°12 | 7°50 | T 14 |
| W15 | 15 50 7 | 28°26'12 | 24°20 | 7°43 | 17°23 | 23°52 | 14°56 | 0°29 | 7°46 | 7°37 | 8°21 | 23°10 | 24°20 | 3°19 | 7°49 | W15 |
| T 16 | 15 54 3 | 29°23'34 | 6♌13 | 9°20 | 18°31 | 24°29 | 15° 4 | 0°31 | 7°44 | 7°36 | 8°21 | 23°12 | 24°17 | 3°25 | 7°49 | T 16 |
| F 17 | 15 58 0 | 0♊20'56 | 18°15 | 11° 0 | 19°39 | 25° 7 | 15°12 | 0°33 | 7°41 | 7°34 | 8°21 | 23°13 | 24°14 | 3°32 | 7°48 | F 17 |
| S 18 | 16 1 57 | 1°18'16 | 0♍31 | 12°42 | 20°48 | 25°44 | 15°20 | 0°35 | 7°39 | 7°33 | 8°21 | 23°R13 | 24°11 | 3°38 | 7°48 | S 18 |
| S 19 | 16 5 53 | 2°15'35 | 13° 6 | 14°27 | 21°56 | 26°21 | 15°28 | 0°37 | 7°36 | 7°31 | 8°21 | 23°13 | 24° 8 | 3°45 | 7°47 | S 19 |
| M20 | 16 9 50 | 3°12'53 | 26° 4 | 16°14 | 23° 5 | 26°58 | 15°36 | 0°40 | 7°34 | 7°30 | 8°21 | 23°12 | 24° 5 | 3°52 | 7°46 | M20 |
| T 21 | 16 13 46 | 4°10'11 | 9♎27 | 18° 3 | 24°14 | 27°34 | 15°44 | 0°42 | 7°32 | 7°29 | 8°22 | 23°10 | 24° 1 | 3°58 | 7°45 | T 21 |
| W22 | 16 17 43 | 5° 7'27 | 23°18 | 19°56 | 25°22 | 28°11 | 15°51 | 0°44 | 7°29 | 7°27 | 8°22 | 23° 7 | 23°58 | 4° 5 | 7°45 | W22 |
| T 23 | 16 21 39 | 6° 4'42 | 7♏34 | 21°50 | 26°31 | 28°47 | 15°59 | 0°47 | 7°27 | 7°26 | 8°22 | 23° 5 | 23°55 | 4°12 | 7°44 | T 23 |
| F 24 | 16 25 36 | 7° 1'56 | 22°13 | 23°47 | 27°40 | 29°24 | 16° 6 | 0°49 | 7°24 | 7°24 | 8°22 | 23° 3 | 23°52 | 4°18 | 7°43 | F 24 |
| S 25 | 16 29 32 | 7°59'10 | 7♐ 8 | 25°46 | 28°49 | 29°59 | 16°13 | 0°52 | 7°22 | 7°23 | 8°23 | 23° 2 | 23°49 | 4°25 | 7°42 | S 25 |
| S 26 | 16 33 29 | 8°56'24 | 22°12 | 27°47 | 29°58 | 0♓36 | 16°20 | 0°55 | 7°19 | 7°22 | 8°23 | 23°D 2 | 23°46 | 4°32 | 7°40 | S 26 |
| M27 | 16 37 26 | 9°53'36 | 7♑15 | 29°50 | 1♉ 7 | 1°12 | 16°27 | 0°58 | 7°17 | 7°20 | 8°23 | 23° 2 | 23°42 | 4°38 | 7°39 | M27 |
| T 28 | 16 41 22 | 10°50'49 | 22° 9 | 1♊55 | 2°17 | 1°47 | 16°34 | 1° 1 | 7°14 | 7°19 | 8°24 | 23° 3 | 23°39 | 4°45 | 7°38 | T 28 |
| W29 | 16 45 19 | 11°48'01 | 6♒48 | 4° 2 | 3°26 | 2°23 | 16°40 | 1° 4 | 7°12 | 7°18 | 8°24 | 23° 4 | 23°36 | 4°52 | 7°37 | W29 |
| T 30 | 16 49 15 | 12°45'13 | 21° 7 | 6°10 | 4°35 | 2°58 | 16°46 | 1° 7 | 7°10 | 7°17 | 8°25 | 23° 4 | 23°33 | 4°58 | 7°35 | T 30 |
| F 31 | 16 53 12 | 13♊42'25 | 5♓ 4 | 8♊19 | 5♉45 | 3♓33 | 16♓53 | 1♍10 | 7♐ 7 | 7♏15 | 8♍25 | 23♊ 5 | 23♊30 | 5♋ 5 | 7♒34 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n26 | 23s41 | 2s51 | 4n44 | 3s19 | 0s55 | 1s43 | 18s19 | 1s58 | 7s51 | 1s 7 | 13n22 | 2n 3 | 21s47 | 0n 1 | 12s26 | 1n55 | 22n56 | 15n42 | 23n25 | 23n29 | 24n10 | 12s17 | 6n20 |
| T 2 | 16 43 | 21 14 | 3 50 | 5 5 | 3 19 | 0 30 | 1 45 | 18 9 | 2 0 | 7 47 | 1 7 | 13 21 | 2 2 | 21 47 | 0 1 | 12 26 | 1 55 | 22 56 | 15 41 | 23 25 | 23 29 | 24 10 | 12 17 | 6 21 |
| F 3 | 16 59 | 17 36 | 4 33 | 5 29 | 3 18 | 0 5 | 1 47 | 17 59 | 2 2 | 7 43 | 1 8 | 13 21 | 2 2 | 21 47 | 0 1 | 12 25 | 1 55 | 22 56 | 15 41 | 23 25 | 23 29 | 24 11 | 12 16 | 6 21 |
| S 4 | 17 16 | 13 6 | 5 1 | 5 54 | 3 17 | 0n19 | 1 49 | 17 49 | 2 4 | 7 40 | 1 8 | 13 21 | 2 2 | 21 46 | 0 1 | 12 25 | 1 55 | 22 55 | 15 40 | 23 25 | 23 28 | 24 12 | 12 16 | 6 21 |
| S 5 | 17 32 | 8 3 | 5 11 | 6 20 | 3 15 | 0 44 | 1 51 | 17 39 | 2 5 | 7 36 | 1 8 | 13 20 | 2 2 | 21 46 | 0 1 | 12 24 | 1 55 | 22 55 | 15 40 | 23 25 | 23 28 | 24 13 | 12 15 | 6 22 |
| M 6 | 17 47 | 2 45 | 5 6 | 6 48 | 3 12 | 1 9 | 1 53 | 17 29 | 2 7 | 7 33 | 1 8 | 13 20 | 2 2 | 21 46 | 0 1 | 12 24 | 1 55 | 22 55 | 15 40 | 23 25 | 23 28 | 24 13 | 12 15 | 6 22 |
| T 7 | 18 3 | 2n35 | 4 44 | 7 18 | 3 9 | 1 34 | 1 55 | 17 19 | 2 9 | 7 29 | 1 8 | 13 19 | 2 2 | 21 45 | 0 1 | 12 23 | 1 55 | 22 55 | 15 39 | 23 24 | 23 28 | 24 14 | 12 14 | 6 23 |
| W 8 | 18 18 | 7 44 | 4 10 | 7 49 | 3 5 | 1 59 | 1 57 | 17 9 | 2 11 | 7 26 | 1 9 | 13 19 | 2 2 | 21 45 | 0 1 | 12 23 | 1 55 | 22 54 | 15 39 | 23 24 | 23 28 | 24 15 | 12 14 | 6 23 |
| T 9 | 18 33 | 12 30 | 3 23 | 8 21 | 3 0 | 2 24 | 1 58 | 16 58 | 2 13 | 7 22 | 1 9 | 13 18 | 2 1 | 21 45 | 0 1 | 12 22 | 1 55 | 22 54 | 15 38 | 23 24 | 23 28 | 24 16 | 12 14 | 6 23 |
| F 10 | 18 47 | 16 42 | 2 28 | 8 54 | 2 55 | 2 50 | 2 0 | 16 48 | 2 15 | 7 19 | 1 9 | 13 18 | 2 1 | 21 44 | 0 1 | 12 22 | 1 55 | 22 54 | 15 38 | 23 24 | 23 28 | 24 16 | 12 13 | 6 24 |
| S 11 | 19 2 | 20 10 | 1 27 | 9 29 | 2 49 | 3 15 | 2 1 | 16 37 | 2 17 | 7 16 | 1 9 | 13 17 | 2 1 | 21 44 | 0 1 | 12 21 | 1 55 | 22 53 | 15 37 | 23 24 | 23 28 | 24 17 | 12 13 | 6 24 |
| S 12 | 19 15 | 22 43 | 0 23 | 10 4 | 2 43 | 3 40 | 2 2 | 16 27 | 2 19 | 7 12 | 1 10 | 13 16 | 2 1 | 21 43 | 0 1 | 12 21 | 1 54 | 22 53 | 15 37 | 23 24 | 23 27 | 24 18 | 12 13 | 6 25 |
| M13 | 19 29 | 24 16 | 0n42 | 10 41 | 2 36 | 4 5 | 2 3 | 16 16 | 2 21 | 7 9 | 1 10 | 13 16 | 2 1 | 21 43 | 0 1 | 12 21 | 1 54 | 22 53 | 15 37 | 23 24 | 23 27 | 24 19 | 12 12 | 6 25 |
| T 14 | 19 42 | 24 43 | 1 45 | 11 18 | 2 29 | 4 31 | 2 4 | 16 6 | 2 23 | 7 6 | 1 10 | 13 15 | 2 1 | 21 43 | 0 1 | 12 20 | 1 54 | 22 52 | 15 36 | 23 24 | 23 27 | 24 19 | 12 12 | 6 25 |
| W15 | 19 55 | 24 3 | 2 44 | 11 57 | 2 21 | 4 56 | 2 5 | 15 55 | 2 25 | 7 3 | 1 10 | 13 14 | 2 0 | 21 42 | 0 1 | 12 20 | 1 54 | 22 52 | 15 36 | 23 24 | 23 27 | 24 20 | 12 12 | 6 26 |
| T 16 | 20 8 | 22 18 | 3 36 | 12 36 | 2 12 | 5 21 | 2 6 | 15 44 | 2 27 | 7 0 | 1 11 | 13 13 | 2 0 | 21 42 | 0 1 | 12 19 | 1 54 | 22 51 | 15 35 | 23 24 | 23 27 | 24 21 | 12 11 | 6 26 |
| F 17 | 20 20 | 19 33 | 4 19 | 13 15 | 2 4 | 5 47 | 2 7 | 15 34 | 2 29 | 6 57 | 1 11 | 13 13 | 2 0 | 21 42 | 0 1 | 12 19 | 1 54 | 22 51 | 15 35 | 23 24 | 23 27 | 24 21 | 12 11 | 6 27 |
| S 18 | 20 32 | 15 53 | 4 51 | 13 55 | 1 54 | 6 12 | 2 7 | 15 23 | 2 31 | 6 54 | 1 11 | 13 12 | 2 0 | 21 41 | 0 1 | 12 18 | 1 54 | 22 50 | 15 34 | 23 24 | 23 27 | 24 22 | 12 11 | 6 27 |
| S 19 | 20 44 | 11 27 | 5 11 | 14 36 | 1 45 | 6 37 | 2 8 | 15 12 | 2 33 | 6 51 | 1 11 | 13 11 | 2 0 | 21 41 | 0 1 | 12 18 | 1 54 | 22 50 | 15 34 | 23 24 | 23 26 | 24 23 | 12 11 | 6 27 |
| M20 | 20 55 | 6 23 | 5 15 | 15 16 | 1 35 | 7 2 | 2 8 | 15 1 | 2 35 | 6 48 | 1 12 | 13 10 | 2 0 | 21 40 | 0 1 | 12 17 | 1 54 | 22 50 | 15 34 | 23 24 | 23 26 | 24 23 | 12 11 | 6 28 |
| T 21 | 21 6 | 0 53 | 5 3 | 15 57 | 1 25 | 7 27 | 2 8 | 14 51 | 2 37 | 6 46 | 1 12 | 13 9 | 2 0 | 21 40 | 0 1 | 12 17 | 1 54 | 22 49 | 15 33 | 23 24 | 23 26 | 24 24 | 12 10 | 6 28 |
| W22 | 21 16 | 4s52 | 4 33 | 16 38 | 1 14 | 7 52 | 2 9 | 14 40 | 2 40 | 6 43 | 1 12 | 13 8 | 1 59 | 21 40 | 0 1 | 12 17 | 1 54 | 22 49 | 15 33 | 23 24 | 23 26 | 24 25 | 12 10 | 6 29 |
| T 23 | 21 26 | 10 33 | 3 46 | 17 18 | 1 3 | 8 17 | 2 9 | 14 29 | 2 42 | 6 40 | 1 13 | 13 7 | 1 59 | 21 39 | 0 1 | 12 16 | 1 54 | 22 48 | 15 32 | 23 23 | 23 26 | 24 25 | 12 10 | 6 29 |
| F 24 | 21 36 | 15 48 | 2 42 | 17 59 | 0 52 | 8 42 | 2 9 | 14 18 | 2 44 | 6 38 | 1 13 | 13 6 | 1 59 | 21 39 | 0 1 | 12 16 | 1 54 | 22 48 | 15 32 | 23 23 | 23 26 | 24 26 | 12 10 | 6 29 |
| S 25 | 21 46 | 20 12 | 1 27 | 18 38 | 0 41 | 9 7 | 2 9 | 14 7 | 2 46 | 6 35 | 1 13 | 13 5 | 1 59 | 21 38 | 0 1 | 12 15 | 1 54 | 22 47 | 15 31 | 23 23 | 23 26 | 24 27 | 12 10 | 6 30 |
| S 26 | 21 55 | 23 16 | 0 5 | 19 17 | 0 30 | 9 31 | 2 8 | 13 56 | 2 48 | 6 33 | 1 13 | 13 3 | 1 59 | 21 38 | 0 1 | 12 15 | 1 54 | 22 47 | 15 31 | 23 23 | 23 25 | 24 27 | 12 10 | 6 30 |
| M27 | 22 3 | 24 40 | 1s18 | 19 55 | 0 19 | 9 56 | 2 8 | 13 45 | 2 50 | 6 30 | 1 14 | 13 2 | 1 59 | 21 38 | 0 1 | 12 14 | 1 54 | 22 46 | 15 30 | 23 23 | 23 25 | 24 28 | 12 10 | 6 31 |
| T 28 | 22 12 | 24 17 | 2 35 | 20 32 | 0 8 | 10 20 | 2 8 | 13 35 | 2 52 | 6 28 | 1 14 | 13 1 | 1 59 | 21 37 | 0 1 | 12 14 | 1 54 | 22 45 | 15 30 | 23 23 | 23 25 | 24 29 | 12 10 | 6 31 |
| W29 | 22 20 | 22 13 | 3 40 | 21 7 | 0n 3 | 10 44 | 2 7 | 13 24 | 2 54 | 6 26 | 1 14 | 13 0 | 1 58 | 21 37 | 0 1 | 12 14 | 1 54 | 22 45 | 15 30 | 23 23 | 23 25 | 24 29 | 12 10 | 6 31 |
| T 30 | 22 27 | 18 47 | 4 29 | 21 41 | 0 14 | 11 8 | 2 7 | 13 13 | 2 57 | 6 24 | 1 14 | 12 59 | 1 58 | 21 36 | 0 1 | 12 13 | 1 54 | 22 44 | 15 29 | 23 23 | 23 25 | 24 30 | 12 10 | 6 32 |
| F 31 | 22n34 | 14s23 | 5s 2 | 22n13 | 0n24 | 11n32 | 2s 6 | 13s 2 | 2s59 | 6s21 | 1s15 | 12n57 | 1n58 | 21s36 | 0n 1 | 12s13 | 1n54 | 22n44 | 15n29 | 23n23 | 23n25 | 24n31 | 12s10 | 6n32 |

Julian Day Number = 2078392.5, Delta T = 26m14s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'04, Lahiri = 9°37'05 Julian Calendar 1 May 978 == Greg. Calendar 6 May 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## JUNE 978 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 57 8 | 14♊39'36 | 18♓38 | 10♊30 | 6♉54 | 4♓ 8 | 16♓59 | 1♍14 | 7°R 5 | 7°R14 | 8♍26 | 23°R 5 | 23♊26 | 5♋12 | 7°R32 | S 1 |
| S 2 | 17 1 5 | 15°36'47 | 1♈51 | 12°40 | 8° 4 | 4°43 | 17° 4 | 1°17 | 7♐ 2 | 7♏13 | 8°26 | 23♊ 5 | 23°23 | 5°18 | 7♒31 | S 2 |
| M 3 | 17 5 1 | 16°33'59 | 14°44 | 14°52 | 9°14 | 5°17 | 17°10 | 1°21 | 7° 0 | 7°12 | 8°27 | 23° 4 | 23°20 | 5°25 | 7°29 | M 3 |
| T 4 | 17 8 58 | 17°31'10 | 27°20 | 17° 3 | 10°24 | 5°51 | 17°16 | 1°24 | 6°57 | 7°11 | 8°28 | 23° 3 | 23°17 | 5°31 | 7°28 | T 4 |
| W 5 | 17 12 55 | 18°28'21 | 9♉42 | 19°14 | 11°33 | 6°25 | 17°21 | 1°28 | 6°55 | 7°10 | 8°28 | 23° 3 | 23°14 | 5°38 | 7°26 | W 5 |
| T 6 | 17 16 51 | 19°25'32 | 21°53 | 21°25 | 12°43 | 6°59 | 17°26 | 1°32 | 6°53 | 7° 8 | 8°29 | 23° 2 | 23°11 | 5°45 | 7°24 | T 6 |
| F 7 | 17 20 48 | 20°22'44 | 3♊54 | 23°35 | 13°53 | 7°33 | 17°31 | 1°35 | 6°50 | 7° 7 | 8°30 | 23° 2 | 23° 7 | 5°51 | 7°23 | F 7 |
| S 8 | 17 24 44 | 21°19'55 | 15°48 | 25°44 | 15° 3 | 8° 6 | 17°36 | 1°39 | 6°48 | 7° 6 | 8°31 | 23° 2 | 23° 4 | 5°58 | 7°21 | S 8 |
| S 9 | 17 28 41 | 22°17'06 | 27°38 | 27°52 | 16°14 | 8°39 | 17°41 | 1°43 | 6°46 | 7° 5 | 8°31 | 23°D 2 | 23° 1 | 6° 5 | 7°19 | S 9 |
| M10 | 17 32 37 | 23°14'17 | 9♋25 | 29°59 | 17°24 | 9°12 | 17°45 | 1°48 | 6°43 | 7° 4 | 8°32 | 23°R 2 | 22°58 | 6°11 | 7°17 | M10 |
| T 11 | 17 36 34 | 24°11'27 | 21°12 | 2♋ 4 | 18°34 | 9°44 | 17°50 | 1°52 | 6°41 | 7° 3 | 8°33 | 23° 2 | 22°55 | 6°18 | 7°15 | T 11 |
| W12 | 17 40 30 | 25° 8'38 | 3♌ 3 | 4° 8 | 19°44 | 10°17 | 17°54 | 1°56 | 6°39 | 7° 2 | 8°34 | 23° 2 | 22°52 | 6°25 | 7°13 | W12 |
| T 13 | 17 44 27 | 26° 5'48 | 14°58 | 6°10 | 20°55 | 10°49 | 17°58 | 2° 0 | 6°36 | 7° 1 | 8°35 | 23° 1 | 22°48 | 6°31 | 7°11 | T 13 |
| F 14 | 17 48 24 | 27° 2'58 | 27° 3 | 8°10 | 22° 5 | 11°20 | 18° 2 | 2° 5 | 6°34 | 7° 0 | 8°36 | 23° 1 | 22°45 | 6°38 | 7° 9 | F 14 |
| S 15 | 17 52 20 | 28° 0'08 | 9♍20 | 10° 8 | 23°16 | 11°52 | 18° 5 | 2° 9 | 6°32 | 7° 0 | 8°37 | 23° 0 | 22°42 | 6°45 | 7° 6 | S 15 |
| S 16 | 17 56 17 | 28°57'18 | 21°54 | 12° 5 | 24°26 | 12°23 | 18° 9 | 2°14 | 6°30 | 6°59 | 8°38 | 23° 0 | 22°39 | 6°51 | 7° 4 | S 16 |
| M17 | 18 0 13 | 29°54'27 | 4♎48 | 14° 0 | 25°37 | 12°54 | 18°12 | 2°18 | 6°27 | 6°58 | 8°39 | 23°D 0 | 22°36 | 6°58 | 7° 2 | M17 |
| T 18 | 18 4 10 | 0♋51'37 | 18° 5 | 15°52 | 26°48 | 13°24 | 18°15 | 2°23 | 6°25 | 6°57 | 8°40 | 23° 0 | 22°32 | 7° 5 | 6°59 | T 18 |
| W19 | 18 8 6 | 1°48'46 | 1♏48 | 17°43 | 27°58 | 13°54 | 18°18 | 2°28 | 6°23 | 6°56 | 8°41 | 23° 1 | 22°29 | 7°11 | 6°57 | W19 |
| T 20 | 18 12 3 | 2°45'55 | 15°57 | 19°32 | 29° 9 | 14°24 | 18°21 | 2°33 | 6°21 | 6°56 | 8°42 | 23° 2 | 22°26 | 7°18 | 6°55 | T 20 |
| F 21 | 18 15 59 | 3°43'05 | 0♐31 | 21°19 | 0♊20 | 14°54 | 18°23 | 2°38 | 6°19 | 6°55 | 8°43 | 23° 3 | 22°23 | 7°25 | 6°52 | F 21 |
| S 22 | 18 19 56 | 4°40'14 | 15°26 | 23° 4 | 1°31 | 15°23 | 18°26 | 2°43 | 6°17 | 6°54 | 8°44 | 23° 3 | 22°20 | 7°31 | 6°50 | S 22 |
| S 23 | 18 23 53 | 5°37'24 | 0♑34 | 24°47 | 2°42 | 15°52 | 18°28 | 2°48 | 6°15 | 6°53 | 8°45 | 23°R 3 | 22°17 | 7°38 | 6°47 | S 23 |
| M24 | 18 27 49 | 6°34'34 | 15°46 | 26°28 | 3°53 | 16°20 | 18°30 | 2°53 | 6°13 | 6°53 | 8°47 | 23° 2 | 22°13 | 7°44 | 6°45 | M24 |
| T 25 | 18 31 46 | 7°31'45 | 0♒55 | 28° 7 | 5° 4 | 16°48 | 18°32 | 2°58 | 6°11 | 6°52 | 8°48 | 23° 1 | 22°10 | 7°51 | 6°42 | T 25 |
| W26 | 18 35 42 | 8°28'56 | 15°49 | 29°44 | 6°15 | 17°16 | 18°33 | 3° 4 | 6° 9 | 6°52 | 8°49 | 22°59 | 22° 7 | 7°58 | 6°39 | W26 |
| T 27 | 18 39 39 | 9°26'07 | 0♓22 | 1♌20 | 7°26 | 17°44 | 18°34 | 3° 9 | 6° 7 | 6°51 | 8°51 | 22°57 | 22° 4 | 8° 4 | 6°37 | T 27 |
| F 28 | 18 43 35 | 10°23'20 | 14°30 | 2°53 | 8°37 | 18°11 | 18°36 | 3°14 | 6° 5 | 6°51 | 8°52 | 22°56 | 22° 1 | 8°11 | 6°34 | F 28 |
| S 29 | 18 47 32 | 11°20'33 | 28°11 | 4°24 | 9°49 | 18°37 | 18°37 | 3°20 | 6° 3 | 6°50 | 8°53 | 22°54 | 21°58 | 8°18 | 6°31 | S 29 |
| S 30 | 18 51 29 | 12♋17'47 | 11♈25 | 5♌54 | 11♊ 0 | 19♓ 3 | 18♓37 | 3♍25 | 6♐ 1 | 6♏50 | 8♍55 | 22°D54 | 21♊54 | 8♋24 | 6♒29 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n41 | 9s22 | 5s16 | 22n43 | 0n34 | 11n55 | 2s 5 | 12s51 | 3s 1 | 6s19 | 1s15 | 12n56 | 1n58 | 21s36 | 0n 1 | 12s13 | 1n54 | 22n43 | 15n28 | 23n23 | 23n24 | 24n31 | 12s10 | 6n32 |
| S 2 | 22 47 | 4 3 | 5 14 | 23 10 | 0 44 | 12 19 | 2 4 | 12 41 | 3 3 | 6 17 | 1 15 | 12 55 | 1 58 | 21 35 | 0 1 | 12 12 | 1 54 | 22 42 | 15 28 | 23 23 | 23 24 | 24 32 | 12 10 | 6 33 |
| M 3 | 22 53 | 1n18 | 4 55 | 23 35 | 0 53 | 12 42 | 2 4 | 12 30 | 3 5 | 6 15 | 1 16 | 12 53 | 1 58 | 21 35 | 0 1 | 12 12 | 1 54 | 22 42 | 15 27 | 23 23 | 23 24 | 24 32 | 12 10 | 6 33 |
| T 4 | 22 59 | 6 30 | 4 22 | 23 58 | 1 2 | 13 5 | 2 3 | 12 19 | 3 8 | 6 13 | 1 16 | 12 52 | 1 58 | 21 34 | 0 1 | 12 12 | 1 54 | 22 41 | 15 27 | 23 23 | 23 24 | 24 33 | 12 10 | 6 33 |
| W 5 | 23 4 | 11 21 | 3 38 | 24 18 | 1 10 | 13 27 | 2 2 | 12 8 | 3 10 | 6 12 | 1 16 | 12 50 | 1 57 | 21 34 | 0 1 | 12 11 | 1 54 | 22 40 | 15 27 | 23 23 | 23 24 | 24 33 | 12 10 | 6 34 |
| T 6 | 23 9 | 15 41 | 2 45 | 24 35 | 1 18 | 13 50 | 2 0 | 11 58 | 3 12 | 6 10 | 1 16 | 12 49 | 1 57 | 21 34 | 0 1 | 12 11 | 1 54 | 22 40 | 15 26 | 23 23 | 23 24 | 24 34 | 12 10 | 6 34 |
| F 7 | 23 13 | 19 20 | 1 44 | 24 49 | 1 25 | 14 12 | 1 59 | 11 47 | 3 14 | 6 8 | 1 17 | 12 47 | 1 57 | 21 33 | 0 1 | 12 11 | 1 54 | 22 39 | 15 26 | 23 23 | 23 24 | 24 35 | 12 10 | 6 34 |
| S 8 | 23 17 | 22 9 | 0 40 | 25 1 | 1 31 | 14 34 | 1 58 | 11 37 | 3 17 | 6 6 | 1 17 | 12 46 | 1 57 | 21 33 | 0 1 | 12 10 | 1 54 | 22 38 | 15 25 | 23 23 | 23 23 | 24 35 | 12 10 | 6 35 |
| S 9 | 23 21 | 23 59 | 0n26 | 25 9 | 1 36 | 14 55 | 1 57 | 11 26 | 3 19 | 6 5 | 1 17 | 12 44 | 1 57 | 21 32 | 0 1 | 12 10 | 1 54 | 22 38 | 15 25 | 23 23 | 23 23 | 24 36 | 12 10 | 6 35 |
| M10 | 23 24 | 24 44 | 1 30 | 25 15 | 1 41 | 15 17 | 1 55 | 11 16 | 3 21 | 6 3 | 1 18 | 12 43 | 1 57 | 21 32 | 0 1 | 12 10 | 1 53 | 22 37 | 15 24 | 23 23 | 23 23 | 24 36 | 12 11 | 6 35 |
| T 11 | 23 27 | 24 22 | 2 30 | 25 18 | 1 45 | 15 38 | 1 54 | 11 6 | 3 23 | 6 2 | 1 18 | 12 41 | 1 57 | 21 32 | 0 1 | 12 9 | 1 53 | 22 36 | 15 24 | 23 23 | 23 23 | 24 37 | 12 11 | 6 36 |
| W12 | 23 29 | 22 54 | 3 25 | 25 19 | 1 48 | 15 58 | 1 52 | 10 55 | 3 26 | 6 1 | 1 18 | 12 39 | 1 56 | 21 31 | 0 1 | 12 9 | 1 53 | 22 36 | 15 24 | 23 23 | 23 23 | 24 37 | 12 11 | 6 36 |
| T 13 | 23 31 | 20 25 | 4 10 | 25 16 | 1 51 | 16 18 | 1 50 | 10 45 | 3 28 | 5 59 | 1 19 | 12 38 | 1 56 | 21 31 | 0 1 | 12 9 | 1 53 | 22 35 | 15 23 | 23 23 | 23 23 | 24 38 | 12 11 | 6 36 |
| F 14 | 23 32 | 17 2 | 4 46 | 25 12 | 1 53 | 16 38 | 1 49 | 10 35 | 3 30 | 5 58 | 1 19 | 12 36 | 1 56 | 21 31 | 0 1 | 12 9 | 1 53 | 22 34 | 15 23 | 23 23 | 23 22 | 24 38 | 12 11 | 6 36 |
| S 15 | 23 33 | 12 52 | 5 9 | 25 4 | 1 54 | 16 58 | 1 47 | 10 25 | 3 32 | 5 57 | 1 19 | 12 34 | 1 56 | 21 30 | 0 1 | 12 8 | 1 53 | 22 33 | 15 22 | 23 23 | 23 22 | 24 39 | 12 12 | 6 37 |
| S 16 | 23 34 | 8 5 | 5 17 | 24 55 | 1 54 | 17 17 | 1 45 | 10 15 | 3 35 | 5 56 | 1 20 | 12 32 | 1 56 | 21 30 | 0 1 | 12 8 | 1 53 | 22 33 | 15 22 | 23 23 | 23 22 | 24 39 | 12 12 | 6 37 |
| M17 | 23 34 | 2 50 | 5 11 | 24 43 | 1 54 | 17 36 | 1 43 | 10 6 | 3 37 | 5 55 | 1 20 | 12 31 | 1 56 | 21 29 | 0 1 | 12 8 | 1 53 | 22 32 | 15 22 | 23 23 | 23 22 | 24 40 | 12 12 | 6 37 |
| T 18 | 23 34 | 2s42 | 4 48 | 24 30 | 1 53 | 17 54 | 1 41 | 9 56 | 3 39 | 5 54 | 1 20 | 12 29 | 1 56 | 21 29 | 0 1 | 12 8 | 1 53 | 22 31 | 15 21 | 23 23 | 23 22 | 24 40 | 12 13 | 6 38 |
| W19 | 23 34 | 8 17 | 4 8 | 24 14 | 1 52 | 18 12 | 1 39 | 9 46 | 3 42 | 5 53 | 1 20 | 12 27 | 1 56 | 21 29 | 0 1 | 12 8 | 1 53 | 22 30 | 15 21 | 23 23 | 23 21 | 24 41 | 12 13 | 6 38 |
| T 20 | 23 33 | 13 39 | 3 12 | 23 57 | 1 49 | 18 30 | 1 37 | 9 37 | 3 44 | 5 52 | 1 21 | 12 25 | 1 56 | 21 28 | 0 1 | 12 7 | 1 53 | 22 30 | 15 20 | 23 23 | 23 21 | 24 41 | 12 13 | 6 38 |
| F 21 | 23 31 | 18 23 | 2 2 | 23 38 | 1 47 | 18 47 | 1 35 | 9 27 | 3 46 | 5 52 | 1 21 | 12 23 | 1 55 | 21 28 | 0 1 | 12 7 | 1 53 | 22 29 | 15 20 | 23 23 | 23 21 | 24 42 | 12 14 | 6 38 |
| S 22 | 23 29 | 22 4 | 0 42 | 23 17 | 1 43 | 19 4 | 1 33 | 9 18 | 3 49 | 5 51 | 1 21 | 12 21 | 1 55 | 21 28 | 0 1 | 12 7 | 1 53 | 22 28 | 15 20 | 23 23 | 23 21 | 24 42 | 12 14 | 6 39 |
| S 23 | 23 27 | 24 16 | 0s42 | 22 55 | 1 39 | 19 20 | 1 31 | 9 9 | 3 51 | 5 50 | 1 22 | 12 19 | 1 55 | 21 27 | 0 1 | 12 7 | 1 53 | 22 27 | 15 19 | 23 23 | 23 21 | 24 43 | 12 14 | 6 39 |
| M24 | 23 24 | 24 40 | 2 3 | 22 32 | 1 35 | 19 36 | 1 29 | 9 0 | 3 53 | 5 50 | 1 22 | 12 17 | 1 55 | 21 27 | 0 1 | 12 7 | 1 53 | 22 26 | 15 19 | 23 23 | 23 21 | 24 43 | 12 15 | 6 39 |
| T 25 | 23 21 | 23 14 | 3 15 | 22 7 | 1 30 | 19 51 | 1 26 | 8 51 | 3 56 | 5 49 | 1 22 | 12 15 | 1 55 | 21 27 | 0 1 | 12 7 | 1 53 | 22 26 | 15 19 | 23 23 | 23 20 | 24 44 | 12 15 | 6 39 |
| W26 | 23 18 | 20 12 | 4 12 | 21 42 | 1 25 | 20 6 | 1 24 | 8 42 | 3 58 | 5 49 | 1 23 | 12 13 | 1 55 | 21 26 | 0 1 | 12 6 | 1 53 | 22 25 | 15 18 | 23 23 | 23 20 | 24 44 | 12 16 | 6 39 |
| T 27 | 23 14 | 15 57 | 4 52 | 21 15 | 1 19 | 20 20 | 1 22 | 8 33 | 4 0 | 5 49 | 1 23 | 12 11 | 1 55 | 21 26 | 0 1 | 12 6 | 1 53 | 22 24 | 15 18 | 23 23 | 23 20 | 24 45 | 12 16 | 6 40 |
| F 28 | 23 10 | 10 56 | 5 13 | 20 48 | 1 12 | 20 34 | 1 19 | 8 25 | 4 3 | 5 49 | 1 23 | 12 9 | 1 55 | 21 26 | 0 1 | 12 6 | 1 52 | 22 23 | 15 17 | 23 23 | 23 20 | 24 45 | 12 17 | 6 40 |
| S 29 | 23 5 | 5 32 | 5 15 | 20 20 | 1 6 | 20 47 | 1 17 | 8 17 | 4 5 | 5 49 | 1 24 | 12 7 | 1 55 | 21 25 | 0 1 | 12 6 | 1 52 | 22 22 | 15 17 | 23 23 | 23 20 | 24 46 | 12 17 | 6 40 |
| S 30 | 23n 0 | 0s 4 | 5s 0 | 19n51 | 0n58 | 21n 0 | 1s14 | 8s 8 | 4s 7 | 5s49 | 1s24 | 12n 5 | 1n54 | 21s25 | 0n 1 | 12s 6 | 1n52 | 22n21 | 15n17 | 23n23 | 23n19 | 24n46 | 12s18 | 6n40 |

Julian Day Number = 2078423.5, Delta T = 26m13s
Ecliptic obliquity = 23°34'18, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'08, Lahiri = 9°37'09 Julian Calendar 1 June 978 == Greg. Calendar 6 June 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## JULY 978 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 55 25 | 13♋15'01 | 24♈15 | 7♌21 | 12♊12 | 19♓29 | 18♓38 | 3♍31 | 6°R 0 | 6°R49 | 8♍56 | 22♊54 | 21♊51 | 8♋31 | 6°R26 | M 1 |
| T 2 | 18 59 22 | 14°12'17 | 6♉45 | 8°46 | 13°23 | 19°54 | 18°38 | 3°37 | 5♐58 | 6♏49 | 8°57 | 22°55 | 21°48 | 8°38 | 6♒23 | T 2 |
| W 3 | 19 3 18 | 15° 9'34 | 18°58 | 10°10 | 14°35 | 20°19 | 18°39 | 3°42 | 5°56 | 6°48 | 8°59 | 22°57 | 21°45 | 8°44 | 6°20 | W 3 |
| T 4 | 19 7 15 | 16° 6'51 | 1♊ 0 | 11°31 | 15°46 | 20°43 | 18°R39 | 3°48 | 5°54 | 6°48 | 9° 0 | 22°59 | 21°42 | 8°51 | 6°17 | T 4 |
| F 5 | 19 11 11 | 17° 4'10 | 12°53 | 12°50 | 16°58 | 21° 7 | 18°39 | 3°54 | 5°53 | 6°48 | 9° 2 | 23° 0 | 21°38 | 8°58 | 6°14 | F 5 |
| S 6 | 19 15 8 | 18° 1'29 | 24°41 | 14° 7 | 18°10 | 21°31 | 18°38 | 4° 0 | 5°51 | 6°47 | 9° 3 | 23°R 0 | 21°35 | 9° 4 | 6°11 | S 6 |
| S 7 | 19 19 4 | 18°58'49 | 6♋28 | 15°22 | 19°21 | 21°54 | 18°38 | 4° 6 | 5°50 | 6°47 | 9° 5 | 22°59 | 21°32 | 9°11 | 6° 8 | S 7 |
| M 8 | 19 23 1 | 19°56'10 | 18°16 | 16°34 | 20°33 | 22°16 | 18°37 | 4°12 | 5°48 | 6°47 | 9° 6 | 22°57 | 21°29 | 9°18 | 6° 5 | M 8 |
| T 9 | 19 26 58 | 20°53'32 | 0♌ 7 | 17°44 | 21°45 | 22°38 | 18°36 | 4°18 | 5°46 | 6°47 | 9° 8 | 22°54 | 21°26 | 9°24 | 6° 2 | T 9 |
| W10 | 19 30 54 | 21°50'55 | 12° 4 | 18°52 | 22°57 | 22°59 | 18°35 | 4°24 | 5°45 | 6°47 | 9°10 | 22°49 | 21°23 | 9°31 | 5°59 | W10 |
| T 11 | 19 34 51 | 22°48'18 | 24° 7 | 19°57 | 24° 9 | 23°20 | 18°33 | 4°30 | 5°44 | 6°47 | 9°11 | 22°44 | 21°19 | 9°38 | 5°56 | T 11 |
| F 12 | 19 38 47 | 23°45'42 | 6♍20 | 20°59 | 25°21 | 23°40 | 18°32 | 4°36 | 5°42 | 6°46 | 9°13 | 22°39 | 21°16 | 9°44 | 5°53 | F 12 |
| S 13 | 19 42 44 | 24°43'07 | 18°43 | 21°59 | 26°33 | 23°59 | 18°30 | 4°43 | 5°41 | 6°46 | 9°15 | 22°35 | 21°13 | 9°51 | 5°50 | S 13 |
| S 14 | 19 46 40 | 25°40'33 | 1♎21 | 22°56 | 27°45 | 24°18 | 18°28 | 4°49 | 5°40 | 6°D46 | 9°16 | 22°31 | 21°10 | 9°58 | 5°47 | S 14 |
| M15 | 19 50 37 | 26°37'59 | 14°15 | 23°50 | 28°58 | 24°37 | 18°26 | 4°55 | 5°38 | 6°46 | 9°18 | 22°29 | 21° 7 | 10° 4 | 5°44 | M15 |
| T 16 | 19 54 33 | 27°35'26 | 27°28 | 24°41 | 0♋10 | 24°55 | 18°23 | 5° 2 | 5°37 | 6°46 | 9°20 | 22°D28 | 21° 4 | 10°11 | 5°41 | T 16 |
| W17 | 19 58 30 | 28°32'54 | 11♏ 2 | 25°29 | 1°22 | 25°12 | 18°21 | 5° 8 | 5°36 | 6°47 | 9°22 | 22°29 | 21° 0 | 10°17 | 5°38 | W17 |
| T 18 | 20 2 27 | 29°30'23 | 25° 0 | 26°13 | 2°34 | 25°28 | 18°18 | 5°15 | 5°35 | 6°47 | 9°23 | 22°30 | 20°57 | 10°24 | 5°35 | T 18 |
| F 19 | 20 6 23 | 0♌27'53 | 9♐20 | 26°54 | 3°47 | 25°44 | 18°15 | 5°21 | 5°34 | 6°47 | 9°25 | 22°31 | 20°54 | 10°31 | 5°32 | F 19 |
| S 20 | 20 10 20 | 1°25'24 | 24° 1 | 27°30 | 4°59 | 25°59 | 18°12 | 5°28 | 5°33 | 6°47 | 9°27 | 22°R32 | 20°51 | 10°37 | 5°28 | S 20 |
| S 21 | 20 14 16 | 2°22'55 | 8♑59 | 28° 3 | 6°12 | 26°14 | 18° 9 | 5°34 | 5°32 | 6°47 | 9°29 | 22°31 | 20°48 | 10°44 | 5°25 | S 21 |
| M22 | 20 18 13 | 3°20'28 | 24° 6 | 28°32 | 7°24 | 26°28 | 18° 5 | 5°41 | 5°31 | 6°47 | 9°31 | 22°28 | 20°44 | 10°51 | 5°22 | M22 |
| T 23 | 20 22 9 | 4°18'02 | 9♒14 | 28°56 | 8°37 | 26°41 | 18° 2 | 5°48 | 5°30 | 6°48 | 9°33 | 22°23 | 20°41 | 10°57 | 5°19 | T 23 |
| W24 | 20 26 6 | 5°15'37 | 24°13 | 29°16 | 9°50 | 26°53 | 17°58 | 5°54 | 5°29 | 6°48 | 9°34 | 22°17 | 20°38 | 11° 4 | 5°16 | W24 |
| T 25 | 20 30 2 | 6°13'13 | 8♓53 | 29°30 | 11° 2 | 27° 5 | 17°54 | 6° 1 | 5°28 | 6°48 | 9°36 | 22°11 | 20°35 | 11°11 | 5°13 | T 25 |
| F 26 | 20 33 59 | 7°10'51 | 23° 9 | 29°40 | 12°15 | 27°16 | 17°50 | 6° 8 | 5°28 | 6°49 | 9°38 | 22° 5 | 20°32 | 11°17 | 5° 9 | F 26 |
| S 27 | 20 37 56 | 8° 8'31 | 6♈56 | 29°R45 | 13°28 | 27°26 | 17°45 | 6°15 | 5°27 | 6°49 | 9°40 | 21°59 | 20°29 | 11°24 | 5° 6 | S 27 |
| S 28 | 20 41 52 | 9° 6'12 | 20°15 | 29°44 | 14°41 | 27°36 | 17°41 | 6°22 | 5°26 | 6°50 | 9°42 | 21°56 | 20°25 | 11°31 | 5° 3 | S 28 |
| M29 | 20 45 49 | 10° 3'54 | 3♉ 8 | 29°37 | 15°54 | 27°45 | 17°36 | 6°29 | 5°26 | 6°50 | 9°44 | 21°54 | 20°22 | 11°37 | 5° 0 | M29 |
| T 30 | 20 49 45 | 11° 1'39 | 15°37 | 29°25 | 17° 7 | 27°53 | 17°31 | 6°36 | 5°25 | 6°50 | 9°46 | 21°D54 | 20°19 | 11°44 | 4°57 | T 30 |
| W31 | 20 53 42 | 11♌59'25 | 27♉48 | 29♌ 7 | 18♋20 | 28♓ 0 | 17♓26 | 6♍43 | 5♐25 | 6♏51 | 9♍48 | 21♊55 | 20♊16 | 11♋51 | 4♒54 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n54 | 5n16 | 4s30 | 19n21 | 0n51 | 21n12 | 1s12 | 8s 0 | 4s10 | 5s49 | 1s24 | 12n 3 | 1n54 | 21s25 | 0n 1 | 12s 6 | 1n52 | 22n20 | 15n16 | 23n23 | 23n19 | 24n46 | 12s18 | 6n40 |
| T 2 | 22 49 | 10 15 | 3 48 | 18 51 | 0 43 | 21 23 | 1 9 | 7 53 | 4 12 | 5 49 | 1 25 | 12 1 | 1 54 | 21 24 | 0 1 | 12 6 | 1 52 | 22 20 | 15 16 | 23 23 | 23 19 | 24 47 | 12 19 | 6 41 |
| W 3 | 22 42 | 14 43 | 2 57 | 18 21 | 0 34 | 21 34 | 1 6 | 7 45 | 4 14 | 5 49 | 1 25 | 11 59 | 1 54 | 21 24 | 0 1 | 12 6 | 1 52 | 22 19 | 15 16 | 23 23 | 23 19 | 24 47 | 12 19 | 6 41 |
| T 4 | 22 36 | 18 32 | 1 58 | 17 50 | 0 25 | 21 45 | 1 4 | 7 37 | 4 17 | 5 49 | 1 25 | 11 56 | 1 54 | 21 24 | 0 1 | 12 6 | 1 52 | 22 18 | 15 15 | 23 23 | 23 19 | 24 48 | 12 20 | 6 41 |
| F 5 | 22 29 | 21 33 | 0 56 | 17 19 | 0 16 | 21 55 | 1 1 | 7 30 | 4 19 | 5 50 | 1 26 | 11 54 | 1 54 | 21 24 | 0 1 | 12 6 | 1 52 | 22 17 | 15 15 | 23 23 | 23 18 | 24 48 | 12 20 | 6 41 |
| S 6 | 22 21 | 23 37 | 0n 9 | 16 48 | 0 7 | 22 4 | 0 58 | 7 23 | 4 21 | 5 50 | 1 26 | 11 52 | 1 54 | 21 23 | 0 1 | 12 6 | 1 52 | 22 16 | 15 15 | 23 23 | 23 18 | 24 48 | 12 21 | 6 41 |
| S 7 | 22 13 | 24 38 | 1 13 | 16 16 | 0s 3 | 22 13 | 0 56 | 7 16 | 4 24 | 5 51 | 1 26 | 11 50 | 1 54 | 21 23 | 0 1 | 12 6 | 1 52 | 22 15 | 15 14 | 23 23 | 23 18 | 24 49 | 12 21 | 6 41 |
| M 8 | 22 5 | 24 32 | 2 14 | 15 45 | 0 13 | 22 21 | 0 53 | 7 9 | 4 26 | 5 51 | 1 26 | 11 47 | 1 54 | 21 23 | 0 1 | 12 6 | 1 52 | 22 14 | 15 14 | 23 23 | 23 18 | 24 49 | 12 22 | 6 41 |
| T 9 | 21 56 | 23 20 | 3 10 | 15 14 | 0 23 | 22 29 | 0 50 | 7 2 | 4 28 | 5 52 | 1 27 | 11 45 | 1 54 | 21 23 | 0 1 | 12 6 | 1 52 | 22 13 | 15 14 | 23 23 | 23 18 | 24 49 | 12 23 | 6 42 |
| W10 | 21 47 | 21 4 | 3 57 | 14 43 | 0 34 | 22 35 | 0 48 | 6 56 | 4 31 | 5 53 | 1 27 | 11 43 | 1 54 | 21 22 | 0 1 | 12 6 | 1 52 | 22 12 | 15 13 | 23 23 | 23 17 | 24 50 | 12 23 | 6 42 |
| T 11 | 21 38 | 17 52 | 4 34 | 14 12 | 0 45 | 22 42 | 0 45 | 6 50 | 4 33 | 5 53 | 1 27 | 11 40 | 1 54 | 21 22 | 0 1 | 12 6 | 1 52 | 22 12 | 15 13 | 23 22 | 23 17 | 24 50 | 12 24 | 6 42 |
| F 12 | 21 28 | 13 52 | 5 0 | 13 42 | 0 56 | 22 47 | 0 42 | 6 44 | 4 35 | 5 54 | 1 28 | 11 38 | 1 54 | 21 22 | 0 1 | 12 6 | 1 52 | 22 11 | 15 13 | 23 22 | 23 17 | 24 50 | 12 24 | 6 42 |
| S 13 | 21 18 | 9 15 | 5 12 | 13 12 | 1 7 | 22 52 | 0 39 | 6 38 | 4 37 | 5 55 | 1 28 | 11 36 | 1 53 | 21 22 | 0 1 | 12 6 | 1 52 | 22 10 | 15 13 | 23 22 | 23 17 | 24 51 | 12 25 | 6 42 |
| S 14 | 21 8 | 4 10 | 5 9 | 12 43 | 1 18 | 22 57 | 0 36 | 6 33 | 4 40 | 5 56 | 1 28 | 11 33 | 1 53 | 21 21 | 0 1 | 12 6 | 1 52 | 22 9 | 15 12 | 23 22 | 23 17 | 24 51 | 12 26 | 6 42 |
| M15 | 20 57 | 1s12 | 4 50 | 12 14 | 1 30 | 23 0 | 0 34 | 6 27 | 4 42 | 5 57 | 1 29 | 11 31 | 1 53 | 21 21 | 0 1 | 12 6 | 1 51 | 22 8 | 15 12 | 23 21 | 23 16 | 24 51 | 12 26 | 6 42 |
| T 16 | 20 45 | 6 39 | 4 16 | 11 46 | 1 42 | 23 4 | 0 31 | 6 22 | 4 44 | 5 59 | 1 29 | 11 28 | 1 53 | 21 21 | 0 1 | 12 6 | 1 51 | 22 7 | 15 12 | 23 21 | 23 16 | 24 52 | 12 27 | 6 42 |
| W17 | 20 34 | 11 57 | 3 27 | 11 19 | 1 53 | 23 6 | 0 28 | 6 18 | 4 46 | 6 0 | 1 29 | 11 26 | 1 53 | 21 21 | 0 1 | 12 6 | 1 51 | 22 6 | 15 12 | 23 21 | 23 16 | 24 52 | 12 28 | 6 42 |
| T 18 | 20 22 | 16 47 | 2 24 | 10 53 | 2 5 | 23 8 | 0 25 | 6 13 | 4 48 | 6 1 | 1 30 | 11 24 | 1 53 | 21 21 | 0 1 | 12 6 | 1 51 | 22 5 | 15 11 | 23 21 | 23 16 | 24 52 | 12 29 | 6 42 |
| F 19 | 20 10 | 20 48 | 1 11 | 10 28 | 2 17 | 23 9 | 0 22 | 6 9 | 4 51 | 6 3 | 1 30 | 11 21 | 1 53 | 21 20 | 0 1 | 12 6 | 1 51 | 22 4 | 15 11 | 23 22 | 23 15 | 24 53 | 12 29 | 6 42 |
| S 20 | 19 57 | 23 34 | 0s 8 | 10 4 | 2 29 | 23 9 | 0 20 | 6 4 | 4 53 | 6 4 | 1 30 | 11 19 | 1 53 | 21 20 | 0 1 | 12 6 | 1 51 | 22 3 | 15 11 | 23 22 | 23 15 | 24 53 | 12 30 | 6 42 |
| S 21 | 19 44 | 24 44 | 1 28 | 9 42 | 2 41 | 23 9 | 0 17 | 6 1 | 4 55 | 6 6 | 1 30 | 11 16 | 1 53 | 21 20 | 0 1 | 12 6 | 1 51 | 22 2 | 15 11 | 23 22 | 23 15 | 24 53 | 12 31 | 6 42 |
| M22 | 19 31 | 24 5 | 2 43 | 9 21 | 2 52 | 23 8 | 0 14 | 5 57 | 4 57 | 6 7 | 1 31 | 11 14 | 1 53 | 21 20 | 0 1 | 12 7 | 1 51 | 22 1 | 15 10 | 23 21 | 23 15 | 24 54 | 12 31 | 6 42 |
| T 23 | 19 17 | 21 40 | 3 46 | 9 2 | 3 4 | 23 6 | 0 11 | 5 54 | 4 59 | 6 9 | 1 31 | 11 11 | 1 53 | 21 20 | 0 1 | 12 7 | 1 51 | 22 0 | 15 10 | 23 21 | 23 15 | 24 54 | 12 32 | 6 42 |
| W24 | 19 4 | 17 49 | 4 33 | 8 45 | 3 15 | 23 4 | 0 8 | 5 50 | 5 1 | 6 11 | 1 31 | 11 8 | 1 53 | 21 20 | 0 1 | 12 7 | 1 51 | 21 59 | 15 10 | 23 21 | 23 14 | 24 54 | 12 33 | 6 42 |
| T 25 | 18 49 | 12 55 | 5 1 | 8 29 | 3 26 | 23 1 | 0 6 | 5 48 | 5 3 | 6 13 | 1 32 | 11 6 | 1 53 | 21 20 | 0 1 | 12 7 | 1 51 | 21 59 | 15 10 | 23 20 | 23 14 | 24 54 | 12 34 | 6 42 |
| F 26 | 18 35 | 7 28 | 5 9 | 8 16 | 3 37 | 22 57 | 0 3 | 5 45 | 5 5 | 6 15 | 1 32 | 11 3 | 1 53 | 21 19 | 0 1 | 12 7 | 1 51 | 21 58 | 15 9 | 23 20 | 23 14 | 24 55 | 12 34 | 6 42 |
| S 27 | 18 20 | 1 48 | 4 59 | 8 5 | 3 47 | 22 53 | 0 0 | 5 43 | 5 7 | 6 17 | 1 32 | 11 1 | 1 53 | 21 19 | 0 1 | 12 7 | 1 51 | 21 57 | 15 9 | 23 20 | 23 14 | 24 55 | 12 35 | 6 42 |
| S 28 | 18 5 | 3n45 | 4 32 | 7 57 | 3 56 | 22 48 | 0n 3 | 5 41 | 5 9 | 6 19 | 1 32 | 10 58 | 1 53 | 21 19 | 0 1 | 12 8 | 1 51 | 21 56 | 15 9 | 23 19 | 23 13 | 24 55 | 12 36 | 6 42 |
| M29 | 17 49 | 8 58 | 3 53 | 7 51 | 4 5 | 22 43 | 0 5 | 5 39 | 5 11 | 6 21 | 1 33 | 10 56 | 1 53 | 21 19 | 0 1 | 12 8 | 1 51 | 21 55 | 15 9 | 23 19 | 23 13 | 24 55 | 12 37 | 6 42 |
| T 30 | 17 34 | 13 41 | 3 3 | 7 47 | 4 13 | 22 36 | 0 8 | 5 37 | 5 12 | 6 23 | 1 33 | 10 53 | 1 53 | 21 19 | 0 1 | 12 8 | 1 51 | 21 54 | 15 9 | 23 19 | 23 13 | 24 56 | 12 38 | 6 42 |
| W31 | 17n17 | 17n44 | 2s 7 | 7n47 | 4s20 | 22n29 | 0n11 | 5s36 | 5s14 | 6s25 | 1s33 | 10n50 | 1n53 | 21s19 | 0n 1 | 12s 8 | 1n50 | 21n53 | 15n 9 | 23n19 | 23n13 | 24n56 | 12s38 | 6n42 |

Julian Day Number = 2078453.5, Delta T = 26m13s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'13, Lahiri = 9°37'13 Julian Calendar 1 July 978 == Greg. Calendar 6 July 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## AUGUST 978 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 57 38 | 12♌57'13 | 9♊47 | 28°R43 | 19♋33 | 28♓ 6 | 17°R21 | 6♍50 | 5°R24 | 6♏52 | 9♍50 | 21♊56 | 20♊13 | 11♋57 | 4°R51 | T 1 |
| F 2 | 21 1 35 | 13°55'03 | 21°37 | 28♌14 | 20°46 | 28°11 | 17♓16 | 6°57 | 5♐24 | 6°52 | 9°52 | 21°R56 | 20°10 | 12° 4 | 4♒48 | F 2 |
| S 3 | 21 5 31 | 14°52'54 | 3♋24 | 27°39 | 21°59 | 28°16 | 17°10 | 7° 4 | 5°23 | 6°53 | 9°54 | 21°56 | 20° 6 | 12°11 | 4°45 | S 3 |
| S 4 | 21 9 28 | 15°50'47 | 15°11 | 26°59 | 23°12 | 28°20 | 17° 5 | 7°11 | 5°23 | 6°53 | 9°56 | 21°53 | 20° 3 | 12°17 | 4°41 | S 4 |
| M 5 | 21 13 25 | 16°48'42 | 27° 2 | 26°15 | 24°26 | 28°23 | 16°59 | 7°18 | 5°23 | 6°54 | 9°58 | 21°48 | 20° 0 | 12°24 | 4°38 | M 5 |
| T 6 | 21 17 21 | 17°46'38 | 9♌ 0 | 25°26 | 25°39 | 28°25 | 16°53 | 7°25 | 5°22 | 6°55 | 10° 0 | 21°40 | 19°57 | 12°31 | 4°35 | T 6 |
| W 7 | 21 21 18 | 18°44'36 | 21° 7 | 24°34 | 26°52 | 28°26 | 16°47 | 7°32 | 5°22 | 6°56 | 10° 3 | 21°31 | 19°54 | 12°37 | 4°32 | W 7 |
| T 8 | 21 25 14 | 19°42'36 | 3♍22 | 23°40 | 28° 6 | 28°R26 | 16°40 | 7°40 | 5°22 | 6°56 | 10° 5 | 21°20 | 19°50 | 12°44 | 4°29 | T 8 |
| F 9 | 21 29 11 | 20°40'37 | 15°49 | 22°44 | 29°19 | 28°26 | 16°34 | 7°47 | 5°22 | 6°57 | 10° 7 | 21° 9 | 19°47 | 12°51 | 4°26 | F 9 |
| S 10 | 21 33 7 | 21°38'40 | 28°26 | 21°48 | 0♌33 | 28°24 | 16°28 | 7°54 | 5°D22 | 6°58 | 10° 9 | 20°59 | 19°44 | 12°57 | 4°23 | S 10 |
| S 11 | 21 37 4 | 22°36'44 | 11♎16 | 20°53 | 1°46 | 28°22 | 16°21 | 8° 1 | 5°22 | 6°59 | 10°11 | 20°51 | 19°41 | 13° 4 | 4°20 | S 11 |
| M12 | 21 41 0 | 23°34'50 | 24°18 | 19°59 | 3° 0 | 28°19 | 16°14 | 8° 9 | 5°22 | 7° 0 | 10°13 | 20°45 | 19°38 | 13°11 | 4°18 | M12 |
| T 13 | 21 44 57 | 24°32'57 | 7♏34 | 19°10 | 4°13 | 28°15 | 16° 7 | 8°16 | 5°22 | 7° 1 | 10°15 | 20°42 | 19°35 | 13°17 | 4°15 | T 13 |
| W14 | 21 48 54 | 25°31'06 | 21° 6 | 18°24 | 5°27 | 28°10 | 16° 0 | 8°23 | 5°23 | 7° 2 | 10°17 | 20°D40 | 19°31 | 13°24 | 4°12 | W14 |
| T 15 | 21 52 50 | 26°29'16 | 4♐55 | 17°44 | 6°41 | 28° 4 | 15°53 | 8°31 | 5°23 | 7° 3 | 10°20 | 20°41 | 19°28 | 13°31 | 4° 9 | T 15 |
| F 16 | 21 56 47 | 27°27'28 | 19° 1 | 17°11 | 7°55 | 27°58 | 15°46 | 8°38 | 5°23 | 7° 4 | 10°22 | 20°R41 | 19°25 | 13°37 | 4° 6 | F 16 |
| S 17 | 22 0 43 | 28°25'41 | 3♑24 | 16°44 | 9° 8 | 27°51 | 15°39 | 8°45 | 5°24 | 7° 5 | 10°24 | 20°40 | 19°22 | 13°44 | 4° 3 | S 17 |
| S 18 | 22 4 40 | 29°23'56 | 18° 3 | 16°26 | 10°22 | 27°43 | 15°31 | 8°53 | 5°24 | 7° 6 | 10°26 | 20°38 | 19°19 | 13°50 | 4° 1 | S 18 |
| M19 | 22 8 36 | 0♍22'13 | 2♒51 | 16°16 | 11°36 | 27°34 | 15°24 | 9° 0 | 5°24 | 7° 7 | 10°28 | 20°33 | 19°16 | 13°57 | 3°58 | M19 |
| T 20 | 22 12 33 | 1°20'31 | 17°43 | 16°D16 | 12°50 | 27°24 | 15°17 | 9° 8 | 5°25 | 7° 8 | 10°31 | 20°25 | 19°12 | 14° 4 | 3°55 | T 20 |
| W21 | 22 16 29 | 2°18'51 | 2♓31 | 16°24 | 14° 4 | 27°14 | 15° 9 | 9°15 | 5°25 | 7° 9 | 10°33 | 20°15 | 19° 9 | 14°10 | 3°53 | W21 |
| T 22 | 22 20 26 | 3°17'12 | 17° 5 | 16°41 | 15°18 | 27° 3 | 15° 1 | 9°22 | 5°26 | 7°11 | 10°35 | 20° 4 | 19° 6 | 14°17 | 3°50 | T 22 |
| F 23 | 22 24 23 | 4°15'36 | 1♈18 | 17° 7 | 16°32 | 26°51 | 14°54 | 9°30 | 5°27 | 7°12 | 10°37 | 19°54 | 19° 3 | 14°24 | 3°47 | F 23 |
| S 24 | 22 28 19 | 5°14'02 | 15° 7 | 17°42 | 17°46 | 26°38 | 14°46 | 9°37 | 5°27 | 7°13 | 10°39 | 19°44 | 19° 0 | 14°30 | 3°45 | S 24 |
| S 25 | 22 32 16 | 6°12'29 | 28°28 | 18°26 | 19° 0 | 26°25 | 14°38 | 9°45 | 5°28 | 7°14 | 10°42 | 19°37 | 18°56 | 14°37 | 3°42 | S 25 |
| M26 | 22 36 12 | 7°11'00 | 11♉23 | 19°18 | 20°14 | 26°11 | 14°30 | 9°52 | 5°29 | 7°16 | 10°44 | 19°32 | 18°53 | 14°44 | 3°40 | M26 |
| T 27 | 22 40 9 | 8° 9'32 | 23°54 | 20°17 | 21°29 | 25°57 | 14°22 | 10° 0 | 5°30 | 7°17 | 10°46 | 19°30 | 18°50 | 14°50 | 3°38 | T 27 |
| W28 | 22 44 5 | 9° 8'06 | 6♊ 7 | 21°24 | 22°43 | 25°42 | 14°14 | 10° 7 | 5°31 | 7°18 | 10°48 | 19°D29 | 18°47 | 14°57 | 3°35 | W28 |
| T 29 | 22 48 2 | 10° 6'43 | 18° 6 | 22°37 | 23°57 | 25°27 | 14° 6 | 10°15 | 5°32 | 7°20 | 10°50 | 19°R29 | 18°44 | 15° 4 | 3°33 | T 29 |
| F 30 | 22 51 58 | 11° 5'22 | 29°56 | 23°56 | 25°12 | 25°11 | 13°58 | 10°22 | 5°33 | 7°21 | 10°53 | 19°29 | 18°41 | 15°10 | 3°31 | F 30 |
| S 31 | 22 55 55 | 12♍ 4'03 | 11♋44 | 25♌20 | 26♌26 | 24♓54 | 13♓50 | 10♍29 | 5♐34 | 7♏23 | 10♍55 | 19♊27 | 18♊37 | 15♋17 | 3♒28 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n 1 | 20n58 | 1s 5 | 7n50 | 4s26 | 22n22 | 0n13 | 5s35 | 5s16 | 6s27 | 1s33 | 10n48 | 1n53 | 21s19 | 0n 0 | 12s 9 | 1n50 | 21n52 | 15n 8 | 23n19 | 23n13 | 24n56 | 12s39 | 6n42 |
| F 2 | 16 45 | 23 17 | 0 2 | 7 56 | 4 30 | 22 13 | 0 16 | 5 34 | 5 17 | 6 30 | 1 34 | 10 45 | 1 53 | 21 19 | 0 0 | 12 9 | 1 50 | 21 51 | 15 8 | 23 20 | 23 12 | 24 56 | 12 40 | 6 42 |
| S 3 | 16 28 | 24 33 | 1n 1 | 8 4 | 4 34 | 22 4 | 0 19 | 5 34 | 5 19 | 6 32 | 1 34 | 10 42 | 1 53 | 21 19 | 0 0 | 12 9 | 1 50 | 21 50 | 15 8 | 23 19 | 23 12 | 24 56 | 12 41 | 6 42 |
| S 4 | 16 10 | 24 43 | 2 2 | 8 16 | 4 35 | 21 55 | 0 21 | 5 34 | 5 20 | 6 34 | 1 34 | 10 40 | 1 53 | 21 19 | 0 0 | 12 9 | 1 50 | 21 49 | 15 8 | 23 19 | 23 12 | 24 57 | 12 41 | 6 42 |
| M 5 | 15 53 | 23 45 | 2 57 | 8 31 | 4 35 | 21 45 | 0 24 | 5 34 | 5 22 | 6 37 | 1 34 | 10 37 | 1 53 | 21 19 | 0 0 | 12 10 | 1 50 | 21 48 | 15 8 | 23 19 | 23 12 | 24 57 | 12 42 | 6 42 |
| T 6 | 15 35 | 21 43 | 3 45 | 8 49 | 4 34 | 21 34 | 0 26 | 5 34 | 5 23 | 6 39 | 1 35 | 10 34 | 1 53 | 21 19 | 0 0 | 12 10 | 1 50 | 21 47 | 15 8 | 23 19 | 23 11 | 24 57 | 12 43 | 6 42 |
| W 7 | 15 17 | 18 41 | 4 23 | 9 10 | 4 30 | 21 22 | 0 29 | 5 35 | 5 24 | 6 42 | 1 35 | 10 32 | 1 52 | 21 19 | 0 0 | 12 10 | 1 50 | 21 46 | 15 8 | 23 18 | 23 11 | 24 57 | 12 44 | 6 41 |
| T 8 | 14 59 | 14 49 | 4 49 | 9 33 | 4 24 | 21 10 | 0 31 | 5 36 | 5 26 | 6 45 | 1 35 | 10 29 | 1 52 | 21 19 | 0 0 | 12 11 | 1 50 | 21 45 | 15 7 | 23 17 | 23 11 | 24 57 | 12 45 | 6 41 |
| F 9 | 14 41 | 10 16 | 5 3 | 9 58 | 4 17 | 20 57 | 0 34 | 5 37 | 5 27 | 6 47 | 1 35 | 10 26 | 1 52 | 21 19 | 0 0 | 12 11 | 1 50 | 21 45 | 15 7 | 23 17 | 23 11 | 24 57 | 12 46 | 6 41 |
| S 10 | 14 22 | 5 14 | 5 2 | 10 25 | 4 7 | 20 44 | 0 36 | 5 39 | 5 28 | 6 50 | 1 35 | 10 23 | 1 52 | 21 19 | 0 0 | 12 11 | 1 50 | 21 44 | 15 7 | 23 16 | 23 10 | 24 58 | 12 46 | 6 41 |
| S 11 | 14 3 | 0s 6 | 4 45 | 10 53 | 3 56 | 20 30 | 0 38 | 5 40 | 5 29 | 6 53 | 1 36 | 10 21 | 1 52 | 21 19 | 0 0 | 12 12 | 1 50 | 21 43 | 15 7 | 23 15 | 23 10 | 24 58 | 12 47 | 6 41 |
| M12 | 13 44 | 5 32 | 4 14 | 11 22 | 3 43 | 20 15 | 0 41 | 5 42 | 5 30 | 6 56 | 1 36 | 10 18 | 1 52 | 21 19 | 0 0 | 12 12 | 1 50 | 21 42 | 15 7 | 23 15 | 23 10 | 24 58 | 12 48 | 6 41 |
| T 13 | 13 25 | 10 49 | 3 29 | 11 51 | 3 28 | 20 0 | 0 43 | 5 45 | 5 30 | 6 59 | 1 36 | 10 15 | 1 52 | 21 19 | 0 0 | 12 12 | 1 50 | 21 41 | 15 7 | 23 15 | 23 10 | 24 58 | 12 49 | 6 40 |
| W14 | 13 5 | 15 42 | 2 31 | 12 21 | 3 13 | 19 44 | 0 45 | 5 47 | 5 31 | 7 1 | 1 36 | 10 12 | 1 53 | 21 19 | 0 0 | 12 13 | 1 50 | 21 40 | 15 7 | 23 15 | 23 9 | 24 58 | 12 50 | 6 40 |
| T 15 | 12 45 | 19 52 | 1 23 | 12 49 | 2 56 | 19 28 | 0 47 | 5 50 | 5 31 | 7 4 | 1 36 | 10 10 | 1 53 | 21 19 | 0 0 | 12 13 | 1 50 | 21 39 | 15 7 | 23 15 | 23 9 | 24 58 | 12 51 | 6 40 |
| F 16 | 12 25 | 22 58 | 0 9 | 13 16 | 2 38 | 19 11 | 0 49 | 5 53 | 5 32 | 7 7 | 1 36 | 10 7 | 1 53 | 21 19 | 0 0 | 12 13 | 1 49 | 21 38 | 15 7 | 23 15 | 23 9 | 24 58 | 12 51 | 6 40 |
| S 17 | 12 5 | 24 39 | 1s 7 | 13 42 | 2 19 | 18 54 | 0 51 | 5 56 | 5 32 | 7 10 | 1 37 | 10 4 | 1 53 | 21 19 | 0 0 | 12 14 | 1 49 | 21 37 | 15 7 | 23 15 | 23 9 | 24 59 | 12 52 | 6 40 |
| S 18 | 11 45 | 24 40 | 2 20 | 14 5 | 2 0 | 18 36 | 0 53 | 5 59 | 5 32 | 7 13 | 1 37 | 10 1 | 1 53 | 21 19 | 0 0 | 12 14 | 1 49 | 21 36 | 15 7 | 23 14 | 23 8 | 24 59 | 12 53 | 6 40 |
| M19 | 11 24 | 22 56 | 3 24 | 14 26 | 1 41 | 18 17 | 0 55 | 6 3 | 5 32 | 7 16 | 1 37 | 9 59 | 1 53 | 21 19 | 0 0 | 12 15 | 1 49 | 21 35 | 15 7 | 23 14 | 23 8 | 24 59 | 12 54 | 6 39 |
| T 20 | 11 3 | 19 38 | 4 15 | 14 45 | 1 22 | 17 58 | 0 57 | 6 7 | 5 32 | 7 19 | 1 37 | 9 56 | 1 53 | 21 19 | 0 0 | 12 15 | 1 49 | 21 35 | 15 7 | 23 13 | 23 8 | 24 59 | 12 55 | 6 39 |
| W21 | 10 42 | 15 6 | 4 48 | 15 0 | 1 4 | 17 39 | 0 59 | 6 11 | 5 32 | 7 22 | 1 37 | 9 53 | 1 53 | 21 19 | 0 0 | 12 15 | 1 49 | 21 34 | 15 7 | 23 13 | 23 8 | 24 59 | 12 55 | 6 39 |
| T 22 | 10 21 | 9 45 | 5 1 | 15 12 | 0 45 | 17 18 | 1 1 | 6 15 | 5 32 | 7 26 | 1 37 | 9 50 | 1 53 | 21 19 | 0 0 | 12 16 | 1 49 | 21 33 | 15 7 | 23 12 | 23 7 | 24 59 | 12 56 | 6 39 |
| F 23 | 10 0 | 4 0 | 4 56 | 15 21 | 0 28 | 16 58 | 1 3 | 6 19 | 5 31 | 7 29 | 1 37 | 9 47 | 1 53 | 21 20 | 0 0 | 12 16 | 1 49 | 21 32 | 15 7 | 23 11 | 23 7 | 24 59 | 12 57 | 6 38 |
| S 24 | 9 39 | 1n47 | 4 33 | 15 26 | 0 11 | 16 37 | 1 4 | 6 23 | 5 30 | 7 32 | 1 38 | 9 45 | 1 53 | 21 20 | 0 0 | 12 17 | 1 49 | 21 31 | 15 7 | 23 10 | 23 7 | 24 59 | 12 58 | 6 38 |
| S 25 | 9 17 | 7 19 | 3 56 | 15 28 | 0n 5 | 16 15 | 1 6 | 6 28 | 5 30 | 7 35 | 1 38 | 9 42 | 1 53 | 21 20 | 0 0 | 12 17 | 1 49 | 21 30 | 15 7 | 23 10 | 23 7 | 24 59 | 12 59 | 6 38 |
| M26 | 8 55 | 12 21 | 3 7 | 15 26 | 0 20 | 15 53 | 1 8 | 6 33 | 5 29 | 7 38 | 1 38 | 9 39 | 1 53 | 21 20 | 0 0 | 12 18 | 1 49 | 21 29 | 15 7 | 23 9 | 23 6 | 24 59 | 13 0 | 6 38 |
| T 27 | 8 33 | 16 44 | 2 11 | 15 20 | 0 33 | 15 31 | 1 9 | 6 37 | 5 28 | 7 41 | 1 38 | 9 36 | 1 53 | 21 20 | 0 0 | 12 18 | 1 49 | 21 29 | 15 7 | 23 9 | 23 6 | 24 59 | 13 0 | 6 37 |
| W28 | 8 11 | 20 18 | 1 10 | 15 11 | 0 46 | 15 8 | 1 11 | 6 42 | 5 26 | 7 44 | 1 38 | 9 33 | 1 53 | 21 20 | 0 0 | 12 19 | 1 49 | 21 28 | 15 7 | 23 9 | 23 6 | 24 59 | 13 1 | 6 37 |
| T 29 | 7 49 | 22 55 | 0 7 | 14 58 | 0 58 | 14 45 | 1 12 | 6 47 | 5 25 | 7 48 | 1 38 | 9 31 | 1 53 | 21 20 | 0 0 | 12 19 | 1 49 | 21 27 | 15 7 | 23 9 | 23 5 | 24 59 | 13 2 | 6 37 |
| F 30 | 7 27 | 24 29 | 0n55 | 14 41 | 1 8 | 14 21 | 1 13 | 6 52 | 5 23 | 7 51 | 1 38 | 9 28 | 1 53 | 21 21 | 0 0 | 12 20 | 1 49 | 21 26 | 15 7 | 23 9 | 23 5 | 24 59 | 13 3 | 6 37 |
| S 31 | 7n 4 | 24n58 | 1n55 | 14n22 | 1n17 | 13n57 | 1n15 | 6s57 | 5s22 | 7s54 | 1s38 | 9n25 | 1n53 | 21s21 | 0n 0 | 12s20 | 1n49 | 21n25 | 15n 7 | 23n 9 | 23n 5 | 24n59 | 13s 4 | 6n36 |

Julian Day Number = 2078484.5, Delta T = 26m12s
Ecliptic obliquity = 23°34'19, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'17, Lahiri = 9°37'17 Julian Calendar 1 Aug. 978 == Greg. Calendar 6 Aug. 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## SEPTEMBER 978 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 59 51 | 13♍ 2'47 | 23♋33 | 26♌49 | 27♌40 | 24°R37 | 13°R42 | 10♍37 | 5♐35 | 7♏24 | 10♍57 | 19°R23 | 18♊34 | 15♋24 | 3°R26 | S 1 |
| M 2 | 23 3 48 | 14° 1'33 | 5♌29 | 28°22 | 28°55 | 24♓20 | 13♓34 | 10°44 | 5°36 | 7°26 | 10°59 | 19♊16 | 18°31 | 15°30 | 3♒24 | M 2 |
| T 3 | 23 7 45 | 15° 0'21 | 17°35 | 29°59 | 0♍ 9 | 24° 3 | 13°26 | 10°52 | 5°37 | 7°27 | 11° 2 | 19° 7 | 18°28 | 15°37 | 3°22 | T 3 |
| W 4 | 23 11 41 | 15°59'11 | 29°52 | 1♍38 | 1°24 | 23°45 | 13°18 | 10°59 | 5°39 | 7°29 | 11° 4 | 18°55 | 18°25 | 15°44 | 3°20 | W 4 |
| T 5 | 23 15 38 | 16°58'03 | 12♍23 | 3°20 | 2°38 | 23°27 | 13°10 | 11° 7 | 5°40 | 7°30 | 11° 6 | 18°42 | 18°21 | 15°50 | 3°18 | T 5 |
| F 6 | 23 19 34 | 17°56'57 | 25° 7 | 5° 4 | 3°53 | 23° 9 | 13° 2 | 11°14 | 5°41 | 7°32 | 11° 8 | 18°28 | 18°18 | 15°57 | 3°16 | F 6 |
| S 7 | 23 23 31 | 18°55'53 | 8♎ 4 | 6°49 | 5° 8 | 22°51 | 12°54 | 11°22 | 5°43 | 7°33 | 11°10 | 18°15 | 18°15 | 16° 4 | 3°14 | S 7 |
| S 8 | 23 27 27 | 19°54'51 | 21°13 | 8°36 | 6°22 | 22°32 | 12°46 | 11°29 | 5°44 | 7°35 | 11°13 | 18° 5 | 18°12 | 16°10 | 3°12 | S 8 |
| M 9 | 23 31 24 | 20°53'51 | 4♏33 | 10°23 | 7°37 | 22°14 | 12°38 | 11°36 | 5°46 | 7°37 | 11°15 | 17°57 | 18° 9 | 16°17 | 3°11 | M 9 |
| T 10 | 23 35 20 | 21°52'53 | 18° 3 | 12°11 | 8°52 | 21°56 | 12°31 | 11°44 | 5°47 | 7°38 | 11°17 | 17°52 | 18° 6 | 16°24 | 3° 9 | T 10 |
| W11 | 23 39 17 | 22°51'57 | 1♐43 | 13°59 | 10° 6 | 21°38 | 12°23 | 11°51 | 5°49 | 7°40 | 11°19 | 17°49 | 18° 2 | 16°30 | 3° 7 | W11 |
| T 12 | 23 43 14 | 23°51'03 | 15°33 | 15°47 | 11°21 | 21°20 | 12°15 | 11°58 | 5°51 | 7°42 | 11°21 | 17°49 | 17°59 | 16°37 | 3° 6 | T 12 |
| F 13 | 23 47 10 | 24°50'10 | 29°33 | 17°35 | 12°36 | 21° 2 | 12° 7 | 12° 6 | 5°52 | 7°44 | 11°24 | 17°49 | 17°56 | 16°44 | 3° 4 | F 13 |
| S 14 | 23 51 7 | 25°49'20 | 13♑43 | 19°23 | 13°51 | 20°44 | 12° 0 | 12°13 | 5°54 | 7°45 | 11°26 | 17°48 | 17°53 | 16°50 | 3° 3 | S 14 |
| S 15 | 23 55 3 | 26°48'31 | 28° 2 | 21°11 | 15° 6 | 20°27 | 11°52 | 12°20 | 5°56 | 7°47 | 11°28 | 17°45 | 17°50 | 16°57 | 3° 1 | S 15 |
| M16 | 23 59 0 | 27°47'44 | 12♒26 | 22°58 | 16°20 | 20°10 | 11°45 | 12°28 | 5°58 | 7°49 | 11°30 | 17°40 | 17°47 | 17° 4 | 3° 0 | M16 |
| T 17 | 0 2 56 | 28°46'58 | 26°53 | 24°44 | 17°35 | 19°54 | 11°38 | 12°35 | 6° 0 | 7°51 | 11°32 | 17°31 | 17°43 | 17°10 | 2°58 | T 17 |
| W18 | 0 6 53 | 29°46'15 | 11♓17 | 26°31 | 18°50 | 19°37 | 11°30 | 12°42 | 6° 1 | 7°53 | 11°34 | 17°21 | 17°40 | 17°17 | 2°57 | W18 |
| T 19 | 0 10 49 | 0♎45'33 | 25°31 | 28°16 | 20° 5 | 19°22 | 11°23 | 12°49 | 6° 3 | 7°54 | 11°36 | 17° 9 | 17°37 | 17°24 | 2°56 | T 19 |
| F 20 | 0 14 46 | 1°44'54 | 9♈29 | 0♎ 1 | 21°20 | 19° 7 | 11°16 | 12°57 | 6° 5 | 7°56 | 11°39 | 16°58 | 17°34 | 17°30 | 2°55 | F 20 |
| S 21 | 0 18 43 | 2°44'16 | 23° 7 | 1°45 | 22°35 | 18°52 | 11° 9 | 13° 4 | 6° 8 | 7°58 | 11°41 | 16°47 | 17°31 | 17°37 | 2°54 | S 21 |
| S 22 | 0 22 39 | 3°43'41 | 6♉23 | 3°28 | 23°50 | 18°38 | 11° 2 | 13°11 | 6°10 | 8° 0 | 11°43 | 16°39 | 17°27 | 17°44 | 2°53 | S 22 |
| M23 | 0 26 36 | 4°43'08 | 19°16 | 5°11 | 25° 5 | 18°24 | 10°56 | 13°18 | 6°12 | 8° 2 | 11°45 | 16°33 | 17°24 | 17°50 | 2°52 | M23 |
| T 24 | 0 30 32 | 5°42'38 | 1♊47 | 6°53 | 26°20 | 18°12 | 10°49 | 13°25 | 6°14 | 8° 4 | 11°47 | 16°30 | 17°21 | 17°57 | 2°51 | T 24 |
| W25 | 0 34 29 | 6°42'10 | 14° 1 | 8°34 | 27°35 | 17°59 | 10°43 | 13°32 | 6°16 | 8° 6 | 11°49 | 16°D29 | 17°18 | 18° 4 | 2°50 | W25 |
| T 26 | 0 38 25 | 7°41'44 | 26° 1 | 10°15 | 28°50 | 17°48 | 10°36 | 13°39 | 6°18 | 8° 8 | 11°51 | 16°30 | 17°15 | 18°10 | 2°49 | T 26 |
| F 27 | 0 42 22 | 8°41'20 | 7♋52 | 11°55 | 0♎ 5 | 17°37 | 10°30 | 13°46 | 6°21 | 8°10 | 11°53 | 16°R30 | 17°12 | 18°17 | 2°49 | F 27 |
| S 28 | 0 46 18 | 9°40'59 | 19°41 | 13°34 | 1°21 | 17°27 | 10°24 | 13°53 | 6°23 | 8°12 | 11°55 | 16°29 | 17° 8 | 18°24 | 2°48 | S 28 |
| S 29 | 0 50 15 | 10°40'40 | 1♌32 | 15°13 | 2°36 | 17°17 | 10°18 | 14° 0 | 6°26 | 8°14 | 11°57 | 16°27 | 17° 5 | 18°30 | 2°47 | S 29 |
| M30 | 0 54 12 | 11♎40'24 | 13♌31 | 16♎51 | 3♎51 | 17♓ 8 | 10♓12 | 14♍ 7 | 6♐28 | 8♏16 | 11♍59 | 16♊22 | 17♊ 2 | 18♋37 | 2♒47 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n42 | 24n18 | 2n50 | 13n59 | 1n25 | 13n32 | 1n16 | 7s 2 | 5s20 | 7s57 | 1s38 | 9n22 | 1n53 | 21s21 | 0n 0 | 12s21 | 1n49 | 21n24 | 15n 7 | 23n 9 | 23n 5 | 24n59 | 13s 4 | 6n36 |
| M 2 | 6 19 | 22 31 | 3 38 | 13 33 | 1 32 | 13 7 | 1 17 | 7 7 | 5 18 | 8 0 | 1 38 | 9 19 | 1 53 | 21 21 | 0 0 | 12 21 | 1 49 | 21 24 | 15 7 | 23 8 | 23 4 | 24 59 | 13 5 | 6 36 |
| T 3 | 5 56 | 19 43 | 4 16 | 13 4 | 1 38 | 12 42 | 1 18 | 7 12 | 5 15 | 8 3 | 1 38 | 9 17 | 1 53 | 21 22 | 0 0 | 12 22 | 1 49 | 21 23 | 15 7 | 23 7 | 23 4 | 24 59 | 13 6 | 6 35 |
| W 4 | 5 33 | 16 0 | 4 44 | 12 33 | 1 43 | 12 16 | 1 19 | 7 17 | 5 13 | 8 6 | 1 38 | 9 14 | 1 53 | 21 22 | 0 0 | 12 22 | 1 48 | 21 22 | 15 7 | 23 6 | 23 4 | 24 59 | 13 7 | 6 35 |
| T 5 | 5 10 | 11 32 | 4 58 | 12 0 | 1 47 | 11 50 | 1 20 | 7 22 | 5 11 | 8 10 | 1 38 | 9 11 | 1 53 | 21 22 | 0 0 | 12 23 | 1 48 | 21 21 | 15 7 | 23 5 | 23 4 | 24 59 | 13 7 | 6 35 |
| F 6 | 4 47 | 6 30 | 4 58 | 11 24 | 1 49 | 11 24 | 1 21 | 7 27 | 5 8 | 8 13 | 1 38 | 9 8 | 1 53 | 21 22 | 0 0 | 12 24 | 1 48 | 21 20 | 15 7 | 23 4 | 23 3 | 24 59 | 13 8 | 6 34 |
| S 7 | 4 24 | 1 6 | 4 42 | 10 47 | 1 51 | 10 57 | 1 22 | 7 31 | 5 5 | 8 16 | 1 38 | 9 5 | 1 53 | 21 23 | 0 0 | 12 24 | 1 48 | 21 20 | 15 7 | 23 3 | 23 3 | 24 59 | 13 9 | 6 34 |
| S 8 | 4 1 | 4s26 | 4 12 | 10 8 | 1 52 | 10 30 | 1 23 | 7 36 | 5 2 | 8 19 | 1 38 | 9 3 | 1 54 | 21 23 | 0 0 | 12 25 | 1 48 | 21 19 | 15 7 | 23 2 | 23 3 | 24 59 | 13 10 | 6 34 |
| M 9 | 3 38 | 9 51 | 3 27 | 9 27 | 1 53 | 10 3 | 1 24 | 7 40 | 4 59 | 8 22 | 1 38 | 9 0 | 1 54 | 21 23 | 0 0 | 12 25 | 1 48 | 21 18 | 15 8 | 23 1 | 23 2 | 24 59 | 13 10 | 6 33 |
| T 10 | 3 14 | 14 54 | 2 30 | 8 45 | 1 52 | 9 36 | 1 24 | 7 45 | 4 56 | 8 25 | 1 38 | 8 57 | 1 54 | 21 23 | 0 0 | 12 26 | 1 48 | 21 17 | 15 8 | 23 1 | 23 2 | 24 59 | 13 11 | 6 33 |
| W11 | 2 51 | 19 15 | 1 24 | 8 2 | 1 51 | 9 8 | 1 25 | 7 49 | 4 53 | 8 28 | 1 38 | 8 54 | 1 54 | 21 24 | 0 0 | 12 26 | 1 48 | 21 17 | 15 8 | 23 1 | 23 2 | 24 59 | 13 12 | 6 33 |
| T 12 | 2 27 | 22 35 | 0 12 | 7 19 | 1 49 | 8 40 | 1 25 | 7 53 | 4 49 | 8 31 | 1 38 | 8 52 | 1 54 | 21 24 | 0 0 | 12 27 | 1 48 | 21 16 | 15 8 | 23 1 | 23 2 | 24 59 | 13 12 | 6 32 |
| F 13 | 2 4 | 24 36 | 1s 2 | 6 34 | 1 47 | 8 11 | 1 26 | 7 57 | 4 46 | 8 34 | 1 38 | 8 49 | 1 54 | 21 24 | 0 0 | 12 28 | 1 48 | 21 15 | 15 8 | 23 1 | 23 1 | 24 59 | 13 13 | 6 32 |
| S 14 | 1 40 | 25 3 | 2 12 | 5 49 | 1 44 | 7 43 | 1 26 | 8 0 | 4 42 | 8 36 | 1 38 | 8 46 | 1 54 | 21 25 | 0 0 | 12 28 | 1 48 | 21 15 | 15 8 | 23 1 | 23 1 | 24 59 | 13 14 | 6 32 |
| S 15 | 1 17 | 23 52 | 3 16 | 5 4 | 1 41 | 7 14 | 1 26 | 8 4 | 4 38 | 8 39 | 1 38 | 8 43 | 1 54 | 21 25 | 0 0 | 12 29 | 1 48 | 21 14 | 15 9 | 23 0 | 23 1 | 24 59 | 13 15 | 6 31 |
| M16 | 0 53 | 21 6 | 4 7 | 4 18 | 1 37 | 6 45 | 1 27 | 8 7 | 4 34 | 8 42 | 1 38 | 8 41 | 1 54 | 21 25 | 0 0 | 12 29 | 1 48 | 21 13 | 15 9 | 23 0 | 23 0 | 24 59 | 13 15 | 6 31 |
| T 17 | 0 29 | 17 2 | 4 42 | 3 31 | 1 33 | 6 16 | 1 27 | 8 10 | 4 30 | 8 45 | 1 38 | 8 38 | 1 54 | 21 26 | 0 0 | 12 30 | 1 48 | 21 13 | 15 9 | 22 59 | 23 0 | 24 59 | 13 16 | 6 30 |
| W18 | 0 5 | 11 59 | 4 59 | 2 45 | 1 29 | 5 46 | 1 27 | 8 12 | 4 26 | 8 48 | 1 38 | 8 35 | 1 54 | 21 26 | 0 0 | 12 31 | 1 48 | 21 12 | 15 9 | 22 58 | 23 0 | 24 58 | 13 17 | 6 30 |
| T 19 | 0s18 | 6 21 | 4 58 | 1 58 | 1 24 | 5 17 | 1 27 | 8 15 | 4 22 | 8 50 | 1 38 | 8 33 | 1 55 | 21 26 | 0 0 | 12 31 | 1 48 | 21 11 | 15 9 | 22 57 | 23 0 | 24 58 | 13 17 | 6 30 |
| F 20 | 0 42 | 0 29 | 4 38 | 1 12 | 1 19 | 4 47 | 1 27 | 8 17 | 4 18 | 8 53 | 1 38 | 8 30 | 1 55 | 21 27 | 0 0 | 12 32 | 1 48 | 21 11 | 15 9 | 22 56 | 22 59 | 24 58 | 13 18 | 6 29 |
| S 21 | 1 6 | 5n16 | 4 3 | 0 25 | 1 13 | 4 17 | 1 27 | 8 18 | 4 13 | 8 55 | 1 37 | 8 27 | 1 55 | 21 27 | 0 0 | 12 33 | 1 48 | 21 10 | 15 10 | 22 55 | 22 59 | 24 58 | 13 18 | 6 29 |
| S 22 | 1 29 | 10 39 | 3 16 | 0s21 | 1 8 | 3 47 | 1 27 | 8 20 | 4 9 | 8 58 | 1 37 | 8 25 | 1 55 | 21 27 | 0s 0 | 12 33 | 1 48 | 21 9 | 15 10 | 22 54 | 22 59 | 24 58 | 13 19 | 6 29 |
| M23 | 1 53 | 15 24 | 2 19 | 1 7 | 1 2 | 3 17 | 1 27 | 8 21 | 4 5 | 9 0 | 1 37 | 8 22 | 1 55 | 21 28 | 0 0 | 12 34 | 1 48 | 21 9 | 15 10 | 22 53 | 22 58 | 24 58 | 13 20 | 6 28 |
| T 24 | 2 17 | 19 22 | 1 17 | 1 53 | 0 56 | 2 47 | 1 26 | 8 22 | 4 0 | 9 3 | 1 37 | 8 19 | 1 55 | 21 28 | 0 0 | 12 35 | 1 48 | 21 8 | 15 10 | 22 53 | 22 58 | 24 58 | 13 20 | 6 28 |
| W25 | 2 41 | 22 23 | 0 13 | 2 39 | 0 50 | 2 17 | 1 26 | 8 23 | 3 56 | 9 5 | 1 37 | 8 17 | 1 55 | 21 29 | 0 0 | 12 35 | 1 48 | 21 7 | 15 11 | 22 53 | 22 58 | 24 58 | 13 21 | 6 27 |
| T 26 | 3 4 | 24 21 | 0n51 | 3 25 | 0 44 | 1 46 | 1 26 | 8 23 | 3 51 | 9 7 | 1 37 | 8 14 | 1 55 | 21 29 | 0 0 | 12 36 | 1 48 | 21 7 | 15 11 | 22 53 | 22 57 | 24 57 | 13 21 | 6 27 |
| F 27 | 3 28 | 25 11 | 1 51 | 4 10 | 0 38 | 1 16 | 1 25 | 8 23 | 3 46 | 9 10 | 1 37 | 8 11 | 1 55 | 21 29 | 0 0 | 12 37 | 1 48 | 21 6 | 15 11 | 22 53 | 22 57 | 24 57 | 13 22 | 6 27 |
| S 28 | 3 51 | 24 53 | 2 47 | 4 54 | 0 31 | 0 45 | 1 25 | 8 23 | 3 42 | 9 12 | 1 37 | 8 9 | 1 56 | 21 30 | 0 0 | 12 37 | 1 48 | 21 6 | 15 11 | 22 53 | 22 57 | 24 57 | 13 22 | 6 26 |
| S 29 | 4 15 | 23 26 | 3 36 | 5 39 | 0 25 | 0 15 | 1 24 | 8 23 | 3 37 | 9 14 | 1 36 | 8 6 | 1 56 | 21 30 | 0 0 | 12 38 | 1 47 | 21 5 | 15 12 | 22 53 | 22 56 | 24 57 | 13 23 | 6 26 |
| M30 | 4s38 | 20n56 | 4n16 | 6s23 | 0n18 | 0s16 | 1n23 | 8s22 | 3s33 | 9s16 | 1s36 | 8n 4 | 1n56 | 21s31 | 0s 0 | 12s39 | 1n47 | 21n 5 | 15n12 | 22n52 | 22n56 | 24n57 | 13s23 | 6n25 |

Julian Day Number = 2078515.5, Delta T = 26m12s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'21, Lahiri = 9°37'22 Julian Calendar 1 Sept. 978 == Greg. Calendar 6 Sept. 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## OCTOBER 978 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 58 8 | 12♎40'09 | 25♌42 | 18♎29 | 5♎ 6 | 17°R 1 | 10°R 7 | 14♍14 | 6♐30 | 8♏18 | 12♍ 1 | 16°R15 | 16♊59 | 18♋44 | 2°R46 | T 1 |
| W 2 | 1 2 5 | 13°39'57 | 8♍ 7 | 20° 5 | 6°21 | 16♓53 | 10♓ 1 | 14°21 | 6°33 | 8°20 | 12° 3 | 16♊ 6 | 16°56 | 18°50 | 2♒46 | W 2 |
| T 3 | 1 6 1 | 14°39'47 | 20°50 | 21°42 | 7°37 | 16°47 | 9°56 | 14°28 | 6°36 | 8°22 | 12° 5 | 15°55 | 16°53 | 18°57 | 2°46 | T 3 |
| F 4 | 1 9 58 | 15°39'39 | 3♎51 | 23°17 | 8°52 | 16°41 | 9°51 | 14°35 | 6°38 | 8°25 | 12° 7 | 15°44 | 16°49 | 19° 4 | 2°46 | F 4 |
| S 5 | 1 13 54 | 16°39'33 | 17° 9 | 24°53 | 10° 7 | 16°36 | 9°46 | 14°41 | 6°41 | 8°27 | 12° 9 | 15°34 | 16°46 | 19°10 | 2°45 | S 5 |
| S 6 | 1 17 51 | 17°39'29 | 0♏41 | 26°27 | 11°22 | 16°32 | 9°41 | 14°48 | 6°43 | 8°29 | 12°11 | 15°25 | 16°43 | 19°17 | 2°45 | S 6 |
| M 7 | 1 21 47 | 18°39'27 | 14°26 | 28° 1 | 12°38 | 16°29 | 9°37 | 14°55 | 6°46 | 8°31 | 12°13 | 15°19 | 16°40 | 19°24 | 2°D45 | M 7 |
| T 8 | 1 25 44 | 19°39'27 | 28°20 | 29°35 | 13°53 | 16°27 | 9°32 | 15° 1 | 6°49 | 8°33 | 12°15 | 15°15 | 16°37 | 19°30 | 2°45 | T 8 |
| W 9 | 1 29 40 | 20°39'29 | 12♐21 | 1♏ 8 | 15° 8 | 16°25 | 9°28 | 15° 8 | 6°52 | 8°35 | 12°16 | 15°D14 | 16°33 | 19°37 | 2°45 | W 9 |
| T 10 | 1 33 37 | 21°39'32 | 26°25 | 2°41 | 16°24 | 16°D25 | 9°24 | 15°14 | 6°54 | 8°37 | 12°18 | 15°14 | 16°30 | 19°44 | 2°45 | T 10 |
| F 11 | 1 37 34 | 22°39'37 | 10♑32 | 4°13 | 17°39 | 16°25 | 9°20 | 15°21 | 6°57 | 8°40 | 12°20 | 15°15 | 16°27 | 19°50 | 2°46 | F 11 |
| S 12 | 1 41 30 | 23°39'44 | 24°39 | 5°44 | 18°54 | 16°26 | 9°16 | 15°27 | 7° 0 | 8°42 | 12°22 | 15°R15 | 16°24 | 19°57 | 2°46 | S 12 |
| S 13 | 1 45 27 | 24°39'52 | 8♒47 | 7°16 | 20°10 | 16°27 | 9°13 | 15°33 | 7° 3 | 8°44 | 12°24 | 15°15 | 16°21 | 20° 4 | 2°46 | S 13 |
| M14 | 1 49 23 | 25°40'02 | 22°52 | 8°46 | 21°25 | 16°30 | 9°10 | 15°40 | 7° 6 | 8°46 | 12°25 | 15°12 | 16°18 | 20°10 | 2°47 | M14 |
| T 15 | 1 53 20 | 26°40'13 | 6♓54 | 10°17 | 22°40 | 16°33 | 9° 6 | 15°46 | 7° 9 | 8°48 | 12°27 | 15° 6 | 16°14 | 20°17 | 2°47 | T 15 |
| W16 | 1 57 16 | 27°40'26 | 20°50 | 11°47 | 23°56 | 16°37 | 9° 3 | 15°52 | 7°12 | 8°51 | 12°29 | 14°59 | 16°11 | 20°24 | 2°48 | W16 |
| T 17 | 2 1 13 | 28°40'40 | 4♈36 | 13°16 | 25°11 | 16°42 | 9° 1 | 15°58 | 7°15 | 8°53 | 12°30 | 14°52 | 16° 8 | 20°30 | 2°48 | T 17 |
| F 18 | 2 5 9 | 29°40'56 | 18°10 | 14°45 | 26°26 | 16°47 | 8°58 | 16° 4 | 7°18 | 8°55 | 12°32 | 14°44 | 16° 5 | 20°37 | 2°49 | F 18 |
| S 19 | 2 9 6 | 0♏41'14 | 1♉28 | 16°14 | 27°42 | 16°54 | 8°56 | 16°11 | 7°21 | 8°57 | 12°34 | 14°36 | 16° 2 | 20°44 | 2°50 | S 19 |
| S 20 | 2 13 3 | 1°41'33 | 14°29 | 17°42 | 28°57 | 17° 1 | 8°54 | 16°16 | 7°24 | 8°59 | 12°35 | 14°31 | 15°58 | 20°50 | 2°51 | S 20 |
| M21 | 2 16 59 | 2°41'55 | 27°12 | 19° 9 | 0♏13 | 17° 8 | 8°52 | 16°22 | 7°27 | 9° 2 | 12°37 | 14°27 | 15°55 | 20°57 | 2°51 | M21 |
| T 22 | 2 20 56 | 3°42'18 | 9♊38 | 20°36 | 1°28 | 17°17 | 8°50 | 16°28 | 7°30 | 9° 4 | 12°39 | 14°D26 | 15°52 | 21° 4 | 2°52 | T 22 |
| W23 | 2 24 52 | 4°42'43 | 21°49 | 22° 2 | 2°44 | 17°26 | 8°49 | 16°34 | 7°34 | 9° 6 | 12°40 | 14°26 | 15°49 | 21°10 | 2°53 | W23 |
| T 24 | 2 28 49 | 5°43'10 | 3♋48 | 23°28 | 3°59 | 17°36 | 8°47 | 16°40 | 7°37 | 9° 8 | 12°42 | 14°27 | 15°46 | 21°17 | 2°54 | T 24 |
| F 25 | 2 32 45 | 6°43'39 | 15°40 | 24°53 | 5°14 | 17°46 | 8°46 | 16°46 | 7°40 | 9°11 | 12°43 | 14°29 | 15°43 | 21°24 | 2°56 | F 25 |
| S 26 | 2 36 42 | 7°44'10 | 27°29 | 26°18 | 6°30 | 17°57 | 8°45 | 16°51 | 7°43 | 9°13 | 12°45 | 14°30 | 15°39 | 21°30 | 2°57 | S 26 |
| S 27 | 2 40 38 | 8°44'43 | 9♌21 | 27°41 | 7°45 | 18° 9 | 8°45 | 16°57 | 7°47 | 9°15 | 12°46 | 14°R31 | 15°36 | 21°37 | 2°58 | S 27 |
| M28 | 2 44 35 | 9°45'17 | 21°19 | 29° 4 | 9° 1 | 18°21 | 8°44 | 17° 2 | 7°50 | 9°17 | 12°47 | 14°30 | 15°33 | 21°44 | 2°59 | M28 |
| T 29 | 2 48 32 | 10°45'53 | 3♍30 | 0♐25 | 10°16 | 18°34 | 8°44 | 17° 8 | 7°53 | 9°20 | 12°49 | 14°28 | 15°30 | 21°50 | 3° 1 | T 29 |
| W30 | 2 52 28 | 11°46'31 | 15°58 | 1°46 | 11°32 | 18°48 | 8°D44 | 17°13 | 7°57 | 9°22 | 12°50 | 14°24 | 15°27 | 21°57 | 3° 2 | W30 |
| T 31 | 2 56 25 | 12♏47'11 | 28♍45 | 3♐ 5 | 12♏47 | 19♓ 2 | 8♓44 | 17♍18 | 8♐ 0 | 9♏24 | 12♍52 | 14♊19 | 15♊24 | 22♋ 4 | 3♒ 4 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s 2 | 17n29 | 4n45 | 7s 6 | 0n11 | 0s47 | 1n23 | 8s21 | 3s28 | 9s18 | 1s36 | 8n 1 | 1n56 | 21s31 | 0s 0 | 12s39 | 1n47 | 21n 4 | 15n12 | 22n51 | 22n56 | 24n56 | 13s24 | 6n25 |
| W 2 | 5 25 | 13 13 | 5 1 | 7 50 | 0 5 | 1 17 | 1 22 | 8 19 | 3 23 | 9 20 | 1 36 | 7 59 | 1 56 | 21 31 | 0 0 | 12 40 | 1 47 | 21 4 | 15 13 | 22 51 | 22 56 | 24 56 | 13 24 | 6 24 |
| T 3 | 5 49 | 8 17 | 5 3 | 8 32 | 0s 2 | 1 48 | 1 21 | 8 18 | 3 19 | 9 22 | 1 36 | 7 56 | 1 56 | 21 32 | 0 0 | 12 41 | 1 47 | 21 3 | 15 13 | 22 49 | 22 55 | 24 56 | 13 25 | 6 24 |
| F 4 | 6 12 | 2 53 | 4 49 | 9 14 | 0 9 | 2 19 | 1 20 | 8 16 | 3 14 | 9 24 | 1 36 | 7 54 | 1 56 | 21 32 | 0 0 | 12 42 | 1 47 | 21 3 | 15 13 | 22 48 | 22 55 | 24 56 | 13 25 | 6 24 |
| S 5 | 6 35 | 2s47 | 4 19 | 9 56 | 0 16 | 2 49 | 1 19 | 8 13 | 3 10 | 9 25 | 1 35 | 7 51 | 1 57 | 21 33 | 0 0 | 12 42 | 1 47 | 21 2 | 15 13 | 22 47 | 22 55 | 24 56 | 13 26 | 6 23 |
| S 6 | 6 58 | 8 25 | 3 35 | 10 37 | 0 22 | 3 20 | 1 18 | 8 11 | 3 5 | 9 27 | 1 35 | 7 49 | 1 57 | 21 33 | 0 0 | 12 43 | 1 47 | 21 2 | 15 14 | 22 46 | 22 54 | 24 55 | 13 26 | 6 23 |
| M 7 | 7 21 | 13 45 | 2 37 | 11 17 | 0 29 | 3 50 | 1 17 | 8 8 | 3 1 | 9 28 | 1 35 | 7 46 | 1 57 | 21 34 | 0 0 | 12 44 | 1 47 | 21 1 | 15 14 | 22 45 | 22 54 | 24 55 | 13 27 | 6 22 |
| T 8 | 7 44 | 18 27 | 1 29 | 11 57 | 0 36 | 4 21 | 1 16 | 8 5 | 2 56 | 9 30 | 1 35 | 7 44 | 1 57 | 21 34 | 0 0 | 12 44 | 1 47 | 21 1 | 15 14 | 22 45 | 22 54 | 24 55 | 13 27 | 6 22 |
| W 9 | 8 7 | 22 9 | 0 15 | 12 36 | 0 42 | 4 51 | 1 15 | 8 1 | 2 52 | 9 31 | 1 35 | 7 41 | 1 57 | 21 35 | 0 0 | 12 45 | 1 47 | 21 1 | 15 15 | 22 45 | 22 53 | 24 55 | 13 27 | 6 22 |
| T 10 | 8 29 | 24 31 | 1s 0 | 13 14 | 0 49 | 5 21 | 1 13 | 7 57 | 2 47 | 9 33 | 1 34 | 7 39 | 1 57 | 21 35 | 0 0 | 12 46 | 1 47 | 21 0 | 15 15 | 22 45 | 22 53 | 24 54 | 13 28 | 6 21 |
| F 11 | 8 52 | 25 20 | 2 12 | 13 52 | 0 56 | 5 51 | 1 12 | 7 53 | 2 43 | 9 34 | 1 34 | 7 37 | 1 58 | 21 36 | 0 0 | 12 46 | 1 47 | 21 0 | 15 16 | 22 45 | 22 53 | 24 54 | 13 28 | 6 21 |
| S 12 | 9 14 | 24 31 | 3 16 | 14 29 | 1 2 | 6 21 | 1 11 | 7 49 | 2 38 | 9 35 | 1 34 | 7 34 | 1 58 | 21 36 | 0 0 | 12 47 | 1 47 | 20 59 | 15 16 | 22 45 | 22 52 | 24 54 | 13 29 | 6 20 |
| S 13 | 9 36 | 22 9 | 4 8 | 15 5 | 1 8 | 6 51 | 1 9 | 7 44 | 2 34 | 9 36 | 1 34 | 7 32 | 1 58 | 21 37 | 0 0 | 12 48 | 1 47 | 20 59 | 15 16 | 22 45 | 22 52 | 24 54 | 13 29 | 6 20 |
| M14 | 9 58 | 18 27 | 4 45 | 15 41 | 1 14 | 7 21 | 1 8 | 7 39 | 2 30 | 9 37 | 1 34 | 7 30 | 1 58 | 21 37 | 0 0 | 12 49 | 1 47 | 20 59 | 15 17 | 22 45 | 22 52 | 24 53 | 13 29 | 6 19 |
| T 15 | 10 20 | 13 44 | 5 4 | 16 15 | 1 21 | 7 51 | 1 6 | 7 34 | 2 25 | 9 38 | 1 33 | 7 27 | 1 58 | 21 38 | 0 0 | 12 49 | 1 47 | 20 58 | 15 17 | 22 44 | 22 51 | 24 53 | 13 30 | 6 19 |
| W16 | 10 42 | 8 20 | 5 6 | 16 49 | 1 27 | 8 20 | 1 5 | 7 29 | 2 21 | 9 39 | 1 33 | 7 25 | 1 58 | 21 38 | 0 0 | 12 50 | 1 47 | 20 58 | 15 17 | 22 43 | 22 51 | 24 53 | 13 30 | 6 19 |
| T 17 | 11 4 | 2 35 | 4 50 | 17 22 | 1 32 | 8 49 | 1 3 | 7 23 | 2 17 | 9 40 | 1 33 | 7 23 | 1 59 | 21 39 | 0 0 | 12 51 | 1 47 | 20 58 | 15 18 | 22 42 | 22 51 | 24 52 | 13 30 | 6 18 |
| F 18 | 11 25 | 3n12 | 4 17 | 17 55 | 1 38 | 9 18 | 1 1 | 7 17 | 2 13 | 9 41 | 1 33 | 7 21 | 1 59 | 21 39 | 0 0 | 12 52 | 1 47 | 20 57 | 15 18 | 22 42 | 22 50 | 24 52 | 13 30 | 6 18 |
| S 19 | 11 47 | 8 45 | 3 31 | 18 26 | 1 43 | 9 47 | 1 0 | 7 11 | 2 9 | 9 41 | 1 32 | 7 18 | 1 59 | 21 40 | 0 0 | 12 52 | 1 47 | 20 57 | 15 19 | 22 41 | 22 50 | 24 52 | 13 31 | 6 17 |
| S 20 | 12 8 | 13 48 | 2 35 | 18 56 | 1 49 | 10 16 | 0 58 | 7 5 | 2 5 | 9 42 | 1 32 | 7 16 | 1 59 | 21 40 | 0 0 | 12 53 | 1 47 | 20 57 | 15 19 | 22 40 | 22 50 | 24 51 | 13 31 | 6 17 |
| M21 | 12 29 | 18 9 | 1 32 | 19 26 | 1 54 | 10 44 | 0 56 | 6 58 | 2 1 | 9 43 | 1 32 | 7 14 | 1 59 | 21 41 | 0 0 | 12 54 | 1 47 | 20 57 | 15 19 | 22 40 | 22 49 | 24 51 | 13 31 | 6 16 |
| T 22 | 12 49 | 21 35 | 0 26 | 19 54 | 1 59 | 11 12 | 0 54 | 6 51 | 1 57 | 9 43 | 1 32 | 7 12 | 1 59 | 21 41 | 0 0 | 12 54 | 1 47 | 20 56 | 15 20 | 22 39 | 22 49 | 24 51 | 13 31 | 6 16 |
| W23 | 13 10 | 23 59 | 0n40 | 20 22 | 2 3 | 11 40 | 0 52 | 6 44 | 1 54 | 9 43 | 1 31 | 7 10 | 2 0 | 21 42 | 0 0 | 12 55 | 1 47 | 20 56 | 15 20 | 22 39 | 22 49 | 24 50 | 13 31 | 6 16 |
| T 24 | 13 30 | 25 15 | 1 44 | 20 48 | 2 8 | 12 8 | 0 50 | 6 37 | 1 50 | 9 44 | 1 31 | 7 8 | 2 0 | 21 42 | 0 0 | 12 56 | 1 47 | 20 56 | 15 21 | 22 40 | 22 48 | 24 50 | 13 32 | 6 15 |
| F 25 | 13 50 | 25 20 | 2 42 | 21 13 | 2 12 | 12 35 | 0 48 | 6 29 | 1 46 | 9 44 | 1 31 | 7 6 | 2 0 | 21 43 | 0 0 | 12 57 | 1 47 | 20 56 | 15 21 | 22 40 | 22 48 | 24 50 | 13 32 | 6 15 |
| S 26 | 14 10 | 24 16 | 3 33 | 21 38 | 2 16 | 13 2 | 0 46 | 6 22 | 1 42 | 9 44 | 1 31 | 7 4 | 2 0 | 21 43 | 0 0 | 12 57 | 1 47 | 20 56 | 15 22 | 22 40 | 22 48 | 24 49 | 13 32 | 6 14 |
| S 27 | 14 30 | 22 7 | 4 16 | 22 1 | 2 19 | 13 28 | 0 44 | 6 14 | 1 39 | 9 44 | 1 30 | 7 2 | 2 0 | 21 44 | 0 0 | 12 58 | 1 47 | 20 55 | 15 22 | 22 40 | 22 47 | 24 49 | 13 32 | 6 14 |
| M28 | 14 49 | 19 0 | 4 47 | 22 22 | 2 22 | 13 55 | 0 42 | 6 6 | 1 35 | 9 44 | 1 30 | 7 0 | 2 1 | 21 45 | 0 0 | 12 59 | 1 47 | 20 55 | 15 23 | 22 40 | 22 47 | 24 49 | 13 32 | 6 14 |
| T 29 | 15 8 | 15 2 | 5 7 | 22 43 | 2 25 | 14 21 | 0 40 | 5 57 | 1 32 | 9 44 | 1 30 | 6 58 | 2 1 | 21 45 | 0 0 | 12 59 | 1 47 | 20 55 | 15 23 | 22 40 | 22 47 | 24 48 | 13 32 | 6 13 |
| W30 | 15 27 | 10 21 | 5 12 | 23 2 | 2 27 | 14 46 | 0 38 | 5 49 | 1 28 | 9 43 | 1 30 | 6 56 | 2 1 | 21 46 | 0 0 | 13 0 | 1 47 | 20 55 | 15 23 | 22 39 | 22 46 | 24 48 | 13 32 | 6 13 |
| T 31 | 15s46 | 5n 7 | 5n 3 | 23s20 | 2s29 | 15s11 | 0n36 | 5s40 | 1s25 | 9s43 | 1s29 | 6n54 | 2n 1 | 21s46 | 0s 0 | 13s 1 | 1n47 | 20n55 | 15n24 | 22n39 | 22n46 | 24n47 | 13s32 | 6n12 |

Julian Day Number = 2078545.5, Delta T = 26m11s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'25, Lahiri = 9°37'26 Julian Calendar 1 Oct. 978 == Greg. Calendar 6 Oct. 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## NOVEMBER 978 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 0 21 | 13♏47'52 | 11♎55 | 4♐23 | 14♏ 3 | 19♓17 | 8♓44 | 17♍23 | 8♐ 3 | 9♏27 | 12♍53 | 14°R14 | 15♊20 | 22♋10 | 3♒ 5 | F 1 |
| S 2 | 3 4 18 | 14°48'35 | 25°26 | 5°39 | 15°18 | 19°32 | 8°45 | 17°29 | 8° 7 | 9°29 | 12°54 | 14♊ 9 | 15°17 | 22°17 | 3° 7 | S 2 |
| S 3 | 3 8 14 | 15°49'19 | 9♏18 | 6°53 | 16°34 | 19°48 | 8°46 | 17°34 | 8°10 | 9°31 | 12°55 | 14° 5 | 15°14 | 22°24 | 3° 9 | S 3 |
| M 4 | 3 12 11 | 16°50'05 | 23°27 | 8° 5 | 17°49 | 20° 4 | 8°47 | 17°39 | 8°14 | 9°33 | 12°57 | 14° 2 | 15°11 | 22°30 | 3°10 | M 4 |
| T 5 | 3 16 7 | 17°50'53 | 7♐49 | 9°15 | 19° 5 | 20°21 | 8°48 | 17°43 | 8°17 | 9°35 | 12°58 | 14°D 1 | 15° 8 | 22°37 | 3°12 | T 5 |
| W 6 | 3 20 4 | 18°51'41 | 22°17 | 10°22 | 20°20 | 20°39 | 8°49 | 17°48 | 8°21 | 9°38 | 12°59 | 14° 1 | 15° 4 | 22°44 | 3°14 | W 6 |
| T 7 | 3 24 1 | 19°52'31 | 6♑47 | 11°26 | 21°36 | 20°57 | 8°51 | 17°53 | 8°24 | 9°40 | 13° 0 | 14° 2 | 15° 1 | 22°50 | 3°16 | T 7 |
| F 8 | 3 27 57 | 20°53'22 | 21°14 | 12°26 | 22°51 | 21°16 | 8°53 | 17°58 | 8°28 | 9°42 | 13° 1 | 14° 3 | 14°58 | 22°57 | 3°18 | F 8 |
| S 9 | 3 31 54 | 21°54'14 | 5♒34 | 13°22 | 24° 7 | 21°35 | 8°55 | 18° 2 | 8°31 | 9°44 | 13° 2 | 14° 5 | 14°55 | 23° 4 | 3°20 | S 9 |
| S 10 | 3 35 50 | 22°55'06 | 19°44 | 14°14 | 25°22 | 21°54 | 8°57 | 18° 7 | 8°35 | 9°47 | 13° 3 | 14°R 5 | 14°52 | 23°10 | 3°22 | S 10 |
| M11 | 3 39 47 | 23°56'00 | 3♓42 | 15° 0 | 26°37 | 22°14 | 8°59 | 18°11 | 8°38 | 9°49 | 13° 4 | 14° 5 | 14°49 | 23°17 | 3°24 | M11 |
| T 12 | 3 43 43 | 24°56'54 | 17°29 | 15°40 | 27°53 | 22°35 | 9° 2 | 18°16 | 8°42 | 9°51 | 13° 5 | 14° 4 | 14°45 | 23°24 | 3°27 | T 12 |
| W13 | 3 47 40 | 25°57'49 | 1♈ 2 | 16°13 | 29° 8 | 22°55 | 9° 5 | 18°20 | 8°45 | 9°53 | 13° 6 | 14° 2 | 14°42 | 23°30 | 3°29 | W13 |
| T 14 | 3 51 36 | 26°58'44 | 14°23 | 16°38 | 0♐24 | 23°17 | 9° 8 | 18°24 | 8°49 | 9°55 | 13° 7 | 13°59 | 14°39 | 23°37 | 3°31 | T 14 |
| F 15 | 3 55 33 | 27°59'41 | 27°30 | 16°56 | 1°39 | 23°38 | 9°11 | 18°28 | 8°53 | 9°58 | 13° 8 | 13°57 | 14°36 | 23°44 | 3°34 | F 15 |
| S 16 | 3 59 30 | 29° 0'39 | 10♉23 | 17°R 3 | 2°55 | 24° 1 | 9°14 | 18°32 | 8°56 | 10° 0 | 13° 9 | 13°55 | 14°33 | 23°51 | 3°36 | S 16 |
| S 17 | 4 3 26 | 0♐ 1'37 | 23° 4 | 17° 1 | 4°10 | 24°23 | 9°18 | 18°36 | 9° 0 | 10° 2 | 13°10 | 13°53 | 14°30 | 23°57 | 3°38 | S 17 |
| M18 | 4 7 23 | 1° 2'36 | 5♊31 | 16°48 | 5°26 | 24°46 | 9°22 | 18°40 | 9° 3 | 10° 4 | 13°10 | 13°52 | 14°26 | 24° 4 | 3°41 | M18 |
| T 19 | 4 11 19 | 2° 3'37 | 17°47 | 16°24 | 6°41 | 25° 9 | 9°26 | 18°44 | 9° 7 | 10° 6 | 13°11 | 13°D52 | 14°23 | 24°11 | 3°44 | T 19 |
| W20 | 4 15 16 | 3° 4'38 | 29°52 | 15°48 | 7°57 | 25°33 | 9°30 | 18°47 | 9°11 | 10° 8 | 13°12 | 13°53 | 14°20 | 24°17 | 3°46 | W20 |
| T 21 | 4 19 12 | 4° 5'40 | 11♋48 | 15° 1 | 9°12 | 25°57 | 9°34 | 18°51 | 9°14 | 10°10 | 13°13 | 13°54 | 14°17 | 24°24 | 3°49 | T 21 |
| F 22 | 4 23 9 | 5° 6'44 | 23°40 | 14° 3 | 10°28 | 26°21 | 9°39 | 18°54 | 9°18 | 10°13 | 13°13 | 13°55 | 14°14 | 24°31 | 3°52 | F 22 |
| S 23 | 4 27 5 | 6° 7'48 | 5♌29 | 12°56 | 11°43 | 26°46 | 9°44 | 18°58 | 9°22 | 10°15 | 13°14 | 13°55 | 14°10 | 24°37 | 3°55 | S 23 |
| S 24 | 4 31 2 | 7° 8'53 | 17°19 | 11°42 | 12°58 | 27°11 | 9°48 | 19° 1 | 9°25 | 10°17 | 13°15 | 13°56 | 14° 7 | 24°44 | 3°58 | S 24 |
| M25 | 4 34 59 | 8° 9'59 | 29°17 | 10°22 | 14°14 | 27°36 | 9°54 | 19° 4 | 9°29 | 10°19 | 13°15 | 13°57 | 14° 4 | 24°51 | 4° 0 | M25 |
| T 26 | 4 38 55 | 9°11'06 | 11♍25 | 8°59 | 15°29 | 28° 2 | 9°59 | 19° 7 | 9°33 | 10°21 | 13°16 | 13°R57 | 14° 1 | 24°57 | 4° 3 | T 26 |
| W27 | 4 42 52 | 10°12'14 | 23°49 | 7°36 | 16°45 | 28°28 | 10° 4 | 19°10 | 9°36 | 10°23 | 13°16 | 13°56 | 13°58 | 25° 4 | 4° 6 | W27 |
| T 28 | 4 46 48 | 11°13'22 | 6♎33 | 6°17 | 18° 0 | 28°54 | 10°10 | 19°13 | 9°40 | 10°25 | 13°17 | 13°56 | 13°55 | 25°11 | 4° 9 | T 28 |
| F 29 | 4 50 45 | 12°14'32 | 19°40 | 5° 2 | 19°16 | 29°21 | 10°16 | 19°16 | 9°43 | 10°27 | 13°17 | 13°56 | 13°51 | 25°17 | 4°13 | F 29 |
| S 30 | 4 54 41 | 13♐15'42 | 3♏13 | 3♐56 | 20♐31 | 29♓48 | 10♓22 | 19♍18 | 9♐47 | 10♏29 | 13♍17 | 13♊56 | 13♊48 | 25♋24 | 4♒16 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s 4 | 0s29 | 4n37 | 23s36 | 2s31 | 15s36 | 0n34 | 5s31 | 1s22 | 9s43 | 1s29 | 6n52 | 2n 2 | 21s47 | 0s 0 | 13s 2 | 1n47 | 20n55 | 15n24 | 22n38 | 22n46 | 24n47 | 13s32 | 6n12 |
| S 2 | 16 22 | 6 14 | 3 55 | 23 51 | 2 31 | 16 1 | 0 32 | 5 22 | 1 19 | 9 42 | 1 29 | 6 50 | 2 2 | 21 47 | 0 0 | 13 2 | 1 47 | 20 55 | 15 25 | 22 38 | 22 45 | 24 47 | 13 32 | 6 12 |
| S 3 | 16 40 | 11 51 | 2 59 | 24 4 | 2 32 | 16 25 | 0 29 | 5 13 | 1 15 | 9 42 | 1 29 | 6 49 | 2 2 | 21 48 | 0 0 | 13 3 | 1 47 | 20 55 | 15 25 | 22 37 | 22 45 | 24 46 | 13 32 | 6 11 |
| M 4 | 16 58 | 16 57 | 1 51 | 24 16 | 2 32 | 16 48 | 0 27 | 5 4 | 1 12 | 9 41 | 1 28 | 6 47 | 2 2 | 21 48 | 0 0 | 13 4 | 1 47 | 20 55 | 15 26 | 22 37 | 22 45 | 24 46 | 13 32 | 6 11 |
| T 5 | 17 15 | 21 10 | 0 34 | 24 26 | 2 31 | 17 11 | 0 25 | 4 54 | 1 9 | 9 41 | 1 28 | 6 45 | 2 2 | 21 49 | 0 0 | 13 4 | 1 47 | 20 55 | 15 26 | 22 37 | 22 44 | 24 45 | 13 32 | 6 10 |
| W 6 | 17 32 | 24 6 | 0s45 | 24 35 | 2 29 | 17 34 | 0 23 | 4 44 | 1 6 | 9 40 | 1 28 | 6 44 | 2 3 | 21 50 | 0 0 | 13 5 | 1 47 | 20 55 | 15 27 | 22 37 | 22 44 | 24 45 | 13 32 | 6 10 |
| T 7 | 17 48 | 25 26 | 2 2 | 24 42 | 2 27 | 17 56 | 0 20 | 4 35 | 1 3 | 9 39 | 1 28 | 6 42 | 2 3 | 21 50 | 0 0 | 13 6 | 1 47 | 20 55 | 15 27 | 22 37 | 22 44 | 24 44 | 13 32 | 6 10 |
| F 8 | 18 5 | 25 2 | 3 11 | 24 47 | 2 23 | 18 18 | 0 18 | 4 25 | 1 0 | 9 38 | 1 27 | 6 40 | 2 3 | 21 51 | 0 0 | 13 6 | 1 47 | 20 55 | 15 28 | 22 37 | 22 43 | 24 44 | 13 32 | 6 9 |
| S 9 | 18 21 | 22 58 | 4 7 | 24 50 | 2 19 | 18 39 | 0 16 | 4 14 | 0 58 | 9 37 | 1 27 | 6 39 | 2 3 | 21 51 | 0 0 | 13 7 | 1 47 | 20 55 | 15 28 | 22 37 | 22 43 | 24 44 | 13 32 | 6 9 |
| S 10 | 18 36 | 19 31 | 4 48 | 24 51 | 2 14 | 19 0 | 0 13 | 4 4 | 0 55 | 9 36 | 1 27 | 6 37 | 2 4 | 21 52 | 0 0 | 13 8 | 1 47 | 20 55 | 15 29 | 22 37 | 22 42 | 24 43 | 13 32 | 6 8 |
| M11 | 18 52 | 15 1 | 5 10 | 24 50 | 2 8 | 19 20 | 0 11 | 3 54 | 0 52 | 9 35 | 1 26 | 6 36 | 2 4 | 21 52 | 0 0 | 13 9 | 1 47 | 20 55 | 15 29 | 22 37 | 22 42 | 24 43 | 13 32 | 6 8 |
| T 12 | 19 7 | 9 48 | 5 15 | 24 47 | 2 0 | 19 40 | 0 8 | 3 43 | 0 49 | 9 33 | 1 26 | 6 34 | 2 4 | 21 53 | 0 0 | 13 9 | 1 47 | 20 55 | 15 30 | 22 37 | 22 42 | 24 42 | 13 32 | 6 8 |
| W13 | 19 21 | 4 12 | 5 2 | 24 42 | 1 52 | 19 59 | 0 6 | 3 32 | 0 47 | 9 32 | 1 26 | 6 33 | 2 4 | 21 54 | 0 0 | 13 10 | 1 47 | 20 55 | 15 30 | 22 37 | 22 41 | 24 42 | 13 32 | 6 7 |
| T 14 | 19 35 | 1n31 | 4 32 | 24 35 | 1 42 | 20 17 | 0 4 | 3 21 | 0 44 | 9 31 | 1 26 | 6 31 | 2 5 | 21 54 | 0 0 | 13 11 | 1 47 | 20 55 | 15 31 | 22 36 | 22 41 | 24 41 | 13 31 | 6 7 |
| F 15 | 19 49 | 7 5 | 3 49 | 24 26 | 1 30 | 20 35 | 0 1 | 3 10 | 0 42 | 9 29 | 1 25 | 6 30 | 2 5 | 21 55 | 0 0 | 13 11 | 1 47 | 20 55 | 15 31 | 22 36 | 22 41 | 24 41 | 13 31 | 6 7 |
| S 16 | 20 3 | 12 15 | 2 55 | 24 14 | 1 18 | 20 52 | 0s 1 | 2 59 | 0 39 | 9 28 | 1 25 | 6 28 | 2 5 | 21 55 | 0 1 | 13 12 | 1 47 | 20 55 | 15 32 | 22 36 | 22 40 | 24 40 | 13 31 | 6 6 |
| S 17 | 20 16 | 16 49 | 1 53 | 23 59 | 1 3 | 21 9 | 0 3 | 2 48 | 0 37 | 9 26 | 1 25 | 6 27 | 2 5 | 21 56 | 0 1 | 13 13 | 1 47 | 20 56 | 15 32 | 22 36 | 22 40 | 24 40 | 13 31 | 6 6 |
| M18 | 20 29 | 20 35 | 0 46 | 23 42 | 0 48 | 21 25 | 0 6 | 2 37 | 0 34 | 9 25 | 1 25 | 6 26 | 2 6 | 21 56 | 0 1 | 13 13 | 1 47 | 20 56 | 15 33 | 22 36 | 22 40 | 24 39 | 13 31 | 6 5 |
| T 19 | 20 41 | 23 22 | 0n22 | 23 23 | 0 31 | 21 41 | 0 8 | 2 25 | 0 32 | 9 23 | 1 24 | 6 25 | 2 6 | 21 57 | 0 1 | 13 14 | 1 47 | 20 56 | 15 34 | 22 35 | 22 39 | 24 39 | 13 30 | 6 5 |
| W20 | 20 53 | 25 2 | 1 28 | 23 1 | 0 13 | 21 56 | 0 11 | 2 14 | 0 30 | 9 21 | 1 24 | 6 23 | 2 6 | 21 57 | 0 1 | 13 15 | 1 47 | 20 56 | 15 34 | 22 36 | 22 39 | 24 38 | 13 30 | 6 5 |
| T 21 | 21 5 | 25 31 | 2 29 | 22 37 | 0n 7 | 22 10 | 0 13 | 2 2 | 0 27 | 9 19 | 1 24 | 6 22 | 2 6 | 21 58 | 0 1 | 13 15 | 1 47 | 20 56 | 15 35 | 22 36 | 22 38 | 24 37 | 13 30 | 6 4 |
| F 22 | 21 16 | 24 49 | 3 23 | 22 10 | 0 27 | 22 24 | 0 15 | 1 50 | 0 25 | 9 17 | 1 24 | 6 21 | 2 7 | 21 59 | 0 1 | 13 16 | 1 47 | 20 57 | 15 35 | 22 36 | 22 38 | 24 37 | 13 30 | 6 4 |
| S 23 | 21 27 | 23 1 | 4 9 | 21 42 | 0 47 | 22 37 | 0 18 | 1 39 | 0 23 | 9 15 | 1 23 | 6 20 | 2 7 | 21 59 | 0 1 | 13 16 | 1 47 | 20 57 | 15 36 | 22 36 | 22 38 | 24 36 | 13 29 | 6 4 |
| S 24 | 21 37 | 20 14 | 4 44 | 21 12 | 1 7 | 22 49 | 0 20 | 1 27 | 0 21 | 9 13 | 1 23 | 6 19 | 2 7 | 22 0 | 0 1 | 13 17 | 1 47 | 20 57 | 15 36 | 22 36 | 22 37 | 24 36 | 13 29 | 6 3 |
| M25 | 21 47 | 16 35 | 5 7 | 20 42 | 1 27 | 23 0 | 0 22 | 1 15 | 0 19 | 9 11 | 1 23 | 6 18 | 2 7 | 22 0 | 0 1 | 13 18 | 1 47 | 20 57 | 15 37 | 22 36 | 22 37 | 24 35 | 13 29 | 6 3 |
| T 26 | 21 57 | 12 12 | 5 17 | 20 11 | 1 45 | 23 11 | 0 25 | 1 2 | 0 17 | 9 9 | 1 23 | 6 17 | 2 8 | 22 1 | 0 1 | 13 18 | 1 47 | 20 58 | 15 37 | 22 36 | 22 37 | 24 35 | 13 28 | 6 3 |
| W27 | 22 6 | 7 15 | 5 13 | 19 41 | 2 2 | 23 21 | 0 27 | 0 50 | 0 15 | 9 6 | 1 22 | 6 16 | 2 8 | 22 1 | 0 1 | 13 19 | 1 47 | 20 58 | 15 38 | 22 36 | 22 36 | 24 34 | 13 28 | 6 2 |
| T 28 | 22 15 | 1 52 | 4 53 | 19 13 | 2 17 | 23 31 | 0 29 | 0 38 | 0 13 | 9 4 | 1 22 | 6 15 | 2 8 | 22 2 | 0 1 | 13 19 | 1 48 | 20 58 | 15 38 | 22 36 | 22 36 | 24 33 | 13 27 | 6 2 |
| F 29 | 22 23 | 3s45 | 4 18 | 18 48 | 2 30 | 23 40 | 0 32 | 0 25 | 0 11 | 9 1 | 1 22 | 6 14 | 2 8 | 22 3 | 0 1 | 13 20 | 1 48 | 20 59 | 15 39 | 22 36 | 22 35 | 24 33 | 13 27 | 6 2 |
| S 30 | 22s31 | 9s24 | 3n28 | 18s25 | 2n41 | 23s48 | 0s34 | 0s13 | 0s 9 | 8s59 | 1s22 | 6n14 | 2n 9 | 22s 3 | 0s 1 | 13s21 | 1n48 | 20n59 | 15n40 | 22n36 | 22n35 | 24n32 | 13s27 | 6n 2 |

Julian Day Number = 2078576.5, Delta T = 26m11s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'29, Lahiri = 9°37'30 Julian Calendar 1 Nov. 978 == Greg. Calendar 6 Nov. 978


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# ASTRODIENST EPHEMERIS for the year 978
# geocentric

## DECEMBER 978 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 58 38 | 14♐16'53 | 17♏11 | 2°R58 | 21♐47 | 0♈15 | 10♓28 | 19♍21 | 9♐51 | 10♏31 | 13♍18 | 13°D56 | 13♊45 | 25♋31 | 4♒19 | S 1 |
| M 2 | 5 2 34 | 15°18'04 | 1♐34 | 2♐10 | 23° 2 | 0°42 | 10°34 | 19°23 | 9°54 | 10°33 | 13°18 | 13♊56 | 13°42 | 25°37 | 4°22 | M 2 |
| T 3 | 5 6 31 | 16°19'16 | 16°15 | 1°33 | 24°17 | 1°10 | 10°41 | 19°26 | 9°58 | 10°35 | 13°18 | 13°R56 | 13°39 | 25°44 | 4°25 | T 3 |
| W 4 | 5 10 28 | 17°20'29 | 1♑ 8 | 1° 7 | 25°33 | 1°38 | 10°47 | 19°28 | 10° 2 | 10°37 | 13°19 | 13°56 | 13°36 | 25°51 | 4°29 | W 4 |
| T 5 | 5 14 24 | 18°21'41 | 16° 6 | 0°52 | 26°48 | 2° 6 | 10°54 | 19°30 | 10° 5 | 10°38 | 13°19 | 13°56 | 13°32 | 25°57 | 4°32 | T 5 |
| F 6 | 5 18 21 | 19°22'54 | 1♒ 0 | 0°D46 | 28° 4 | 2°34 | 11° 1 | 19°32 | 10° 9 | 10°40 | 13°19 | 13°55 | 13°29 | 26° 4 | 4°36 | F 6 |
| S 7 | 5 22 17 | 20°24'07 | 15°43 | 0°51 | 29°19 | 3° 3 | 11° 8 | 19°34 | 10°13 | 10°42 | 13°19 | 13°54 | 13°26 | 26°11 | 4°39 | S 7 |
| S 8 | 5 26 14 | 21°25'20 | 0♓ 8 | 1° 3 | 0♑35 | 3°32 | 11°16 | 19°36 | 10°16 | 10°44 | 13°19 | 13°54 | 13°23 | 26°17 | 4°43 | S 8 |
| M 9 | 5 30 10 | 22°26'32 | 14°14 | 1°24 | 1°50 | 4° 1 | 11°23 | 19°38 | 10°20 | 10°46 | 13°19 | 13°53 | 13°20 | 26°24 | 4°46 | M 9 |
| T 10 | 5 34 7 | 23°27'44 | 27°58 | 1°53 | 3° 5 | 4°31 | 11°31 | 19°40 | 10°23 | 10°48 | 13°19 | 13°D53 | 13°16 | 26°31 | 4°50 | T 10 |
| W11 | 5 38 4 | 24°28'56 | 11♈22 | 2°27 | 4°21 | 5° 0 | 11°39 | 19°41 | 10°27 | 10°49 | 13°R19 | 13°53 | 13°13 | 26°38 | 4°53 | W11 |
| T 12 | 5 42 0 | 25°30'08 | 24°26 | 3° 8 | 5°36 | 5°30 | 11°47 | 19°43 | 10°30 | 10°51 | 13°19 | 13°54 | 13°10 | 26°44 | 4°57 | T 12 |
| F 13 | 5 45 57 | 26°31'19 | 7♉14 | 3°54 | 6°51 | 6° 0 | 11°55 | 19°44 | 10°34 | 10°53 | 13°19 | 13°56 | 13° 7 | 26°51 | 5° 1 | F 13 |
| S 14 | 5 49 53 | 27°32'31 | 19°47 | 4°44 | 8° 7 | 6°30 | 12° 3 | 19°45 | 10°38 | 10°54 | 13°19 | 13°57 | 13° 4 | 26°58 | 5° 4 | S 14 |
| S 15 | 5 53 50 | 28°33'42 | 2♊ 8 | 5°39 | 9°22 | 7° 0 | 12°11 | 19°46 | 10°41 | 10°56 | 13°19 | 13°58 | 13° 1 | 27° 4 | 5° 8 | S 15 |
| M16 | 5 57 46 | 29°34'53 | 14°20 | 6°38 | 10°37 | 7°31 | 12°20 | 19°47 | 10°45 | 10°58 | 13°19 | 13°R58 | 12°57 | 27°11 | 5°12 | M16 |
| T 17 | 6 1 43 | 0♑36'03 | 26°23 | 7°39 | 11°53 | 8° 2 | 12°29 | 19°48 | 10°48 | 10°59 | 13°19 | 13°58 | 12°54 | 27°18 | 5°16 | T 17 |
| W18 | 6 5 39 | 1°37'14 | 8♋20 | 8°44 | 13° 8 | 8°33 | 12°38 | 19°49 | 10°52 | 11° 1 | 13°19 | 13°56 | 12°51 | 27°24 | 5°20 | W18 |
| T 19 | 6 9 36 | 2°38'24 | 20°13 | 9°51 | 14°23 | 9° 4 | 12°47 | 19°50 | 10°55 | 11° 3 | 13°18 | 13°54 | 12°48 | 27°31 | 5°23 | T 19 |
| F 20 | 6 13 33 | 3°39'34 | 2♌ 4 | 11° 1 | 15°39 | 9°35 | 12°56 | 19°50 | 10°58 | 11° 4 | 13°18 | 13°51 | 12°45 | 27°38 | 5°27 | F 20 |
| S 21 | 6 17 29 | 4°40'44 | 13°54 | 12°12 | 16°54 | 10° 6 | 13° 5 | 19°51 | 11° 2 | 11° 6 | 13°18 | 13°47 | 12°42 | 27°44 | 5°31 | S 21 |
| S 22 | 6 21 26 | 5°41'54 | 25°46 | 13°26 | 18° 9 | 10°38 | 13°14 | 19°51 | 11° 5 | 11° 7 | 13°17 | 13°43 | 12°38 | 27°51 | 5°35 | S 22 |
| M23 | 6 25 22 | 6°43'03 | 7♍44 | 14°41 | 19°24 | 11°10 | 13°24 | 19°51 | 11° 9 | 11° 9 | 13°17 | 13°40 | 12°35 | 27°58 | 5°39 | M23 |
| T 24 | 6 29 19 | 7°44'12 | 19°51 | 15°58 | 20°40 | 11°41 | 13°33 | 19°51 | 11°12 | 11°10 | 13°17 | 13°38 | 12°32 | 28° 4 | 5°43 | T 24 |
| W25 | 6 33 15 | 8°45'21 | 2♎11 | 17°16 | 21°55 | 12°13 | 13°43 | 19°R51 | 11°15 | 11°12 | 13°16 | 13°36 | 12°29 | 28°11 | 5°47 | W25 |
| T 26 | 6 37 12 | 9°46'30 | 14°48 | 18°36 | 23°10 | 12°46 | 13°53 | 19°51 | 11°19 | 11°13 | 13°16 | 13°D36 | 12°26 | 28°18 | 5°51 | T 26 |
| F 27 | 6 41 8 | 10°47'38 | 27°47 | 19°57 | 24°25 | 13°18 | 14° 3 | 19°51 | 11°22 | 11°14 | 13°15 | 13°37 | 12°22 | 28°24 | 5°55 | F 27 |
| S 28 | 6 45 5 | 11°48'47 | 11♏11 | 21°19 | 25°40 | 13°50 | 14°13 | 19°51 | 11°25 | 11°16 | 13°15 | 13°39 | 12°19 | 28°31 | 5°59 | S 28 |
| S 29 | 6 49 2 | 12°49'55 | 25° 2 | 22°41 | 26°56 | 14°23 | 14°23 | 19°50 | 11°29 | 11°17 | 13°14 | 13°40 | 12°16 | 28°38 | 6° 4 | S 29 |
| M30 | 6 52 58 | 13°51'02 | 9♐21 | 24° 5 | 28°11 | 14°55 | 14°34 | 19°50 | 11°32 | 11°18 | 13°13 | 13°R41 | 12°13 | 28°45 | 6° 8 | M30 |
| T 31 | 6 56 55 | 14♑52'09 | 24♐ 5 | 25♐30 | 29♑26 | 15♈28 | 14♓44 | 19♍49 | 11♐35 | 11♏19 | 13♍13 | 13♊41 | 12♊10 | 28♋51 | 6♒12 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s38 | 14s46 | 2n23 | 18s 6 | 2n49 | 23s55 | 0s36 | 0s 0 | 0s 7 | 8s56 | 1s21 | 6n13 | 2n 9 | 22s 4 | 0s 1 | 13s21 | 1n48 | 20n59 | 15n40 | 22n36 | 22n35 | 24n32 | 13s26 | 6n 1 | |
| M 2 | 22 45 | 19 28 | 1 8 | 17 51 | 2 55 | 24 2 | 0 38 | 0n12 | 0 5 | 8 54 | 1 21 | 6 12 | 2 9 | 22 4 | 0 1 | 13 22 | 1 48 | 21 0 | 15 41 | 22 36 | 22 34 | 24 31 | 13 26 | 6 1 | |
| T 3 | 22 52 | 23 4 | 0s13 | 17 40 | 2 59 | 24 7 | 0 41 | 0 25 | 0 3 | 8 51 | 1 21 | 6 11 | 2 9 | 22 5 | 0 1 | 13 22 | 1 48 | 21 0 | 15 41 | 22 36 | 22 34 | 24 30 | 13 25 | 6 1 | |
| W 4 | 22 58 | 25 8 | 1 34 | 17 33 | 3 0 | 24 13 | 0 43 | 0 38 | 0 2 | 8 48 | 1 21 | 6 11 | 2 10 | 22 5 | 0 1 | 13 23 | 1 48 | 21 1 | 15 42 | 22 36 | 22 33 | 24 30 | 13 25 | 6 0 | |
| T 5 | 23 4 | 25 24 | 2 49 | 17 30 | 3 0 | 24 17 | 0 45 | 0 51 | 0n 0 | 8 45 | 1 20 | 6 10 | 2 10 | 22 6 | 0 1 | 13 24 | 1 48 | 21 1 | 15 42 | 22 36 | 22 33 | 24 29 | 13 24 | 6 0 | |
| F 6 | 23 9 | 23 50 | 3 53 | 17 31 | 2 59 | 24 20 | 0 47 | 1 3 | 0 2 | 8 42 | 1 20 | 6 10 | 2 10 | 22 6 | 0 1 | 13 24 | 1 48 | 21 1 | 15 43 | 22 36 | 22 33 | 24 29 | 13 24 | 6 0 | |
| S 7 | 23 13 | 20 40 | 4 40 | 17 34 | 2 56 | 24 23 | 0 49 | 1 16 | 0 4 | 8 39 | 1 20 | 6 9 | 2 11 | 22 7 | 0 1 | 13 25 | 1 48 | 21 2 | 15 43 | 22 36 | 22 32 | 24 28 | 13 23 | 6 0 | |
| S 8 | 23 18 | 16 17 | 5 8 | 17 41 | 2 52 | 24 25 | 0 51 | 1 29 | 0 5 | 8 36 | 1 20 | 6 9 | 2 11 | 22 7 | 0 1 | 13 25 | 1 48 | 21 2 | 15 44 | 22 36 | 22 32 | 24 27 | 13 23 | 5 59 | |
| M 9 | 23 21 | 11 7 | 5 17 | 17 50 | 2 47 | 24 27 | 0 53 | 1 43 | 0 7 | 8 33 | 1 19 | 6 8 | 2 11 | 22 8 | 0 1 | 13 26 | 1 48 | 21 3 | 15 45 | 22 36 | 22 32 | 24 27 | 13 22 | 5 59 | |
| T 10 | 23 25 | 5 31 | 5 8 | 18 2 | 2 41 | 24 27 | 0 55 | 1 56 | 0 8 | 8 30 | 1 19 | 6 8 | 2 11 | 22 8 | 0 1 | 13 26 | 1 48 | 21 3 | 15 45 | 22 36 | 22 31 | 24 26 | 13 21 | 5 59 | |
| W11 | 23 27 | 0n12 | 4 42 | 18 15 | 2 34 | 24 27 | 0 57 | 2 9 | 0 10 | 8 27 | 1 19 | 6 7 | 2 12 | 22 9 | 0 1 | 13 27 | 1 48 | 21 4 | 15 46 | 22 36 | 22 31 | 24 25 | 13 21 | 5 59 | |
| T 12 | 23 30 | 5 47 | 4 1 | 18 30 | 2 27 | 24 26 | 0 59 | 2 22 | 0 11 | 8 24 | 1 19 | 6 7 | 2 12 | 22 10 | 0 1 | 13 27 | 1 48 | 21 4 | 15 46 | 22 36 | 22 30 | 24 24 | 13 20 | 5 58 | |
| F 13 | 23 32 | 11 1 | 3 10 | 18 46 | 2 20 | 24 24 | 1 1 | 2 35 | 0 13 | 8 20 | 1 19 | 6 7 | 2 12 | 22 10 | 0 1 | 13 28 | 1 48 | 21 5 | 15 47 | 22 36 | 22 30 | 24 24 | 13 20 | 5 58 | |
| S 14 | 23 33 | 15 42 | 2 10 | 19 3 | 2 12 | 24 22 | 1 3 | 2 49 | 0 14 | 8 17 | 1 18 | 6 7 | 2 13 | 22 11 | 0 1 | 13 28 | 1 48 | 21 5 | 15 47 | 22 36 | 22 30 | 24 23 | 13 19 | 5 58 | |
| S 15 | 23 34 | 19 39 | 1 5 | 19 20 | 2 4 | 24 18 | 1 4 | 3 2 | 0 16 | 8 14 | 1 18 | 6 6 | 2 13 | 22 11 | 0 1 | 13 29 | 1 48 | 21 6 | 15 48 | 22 36 | 22 29 | 24 22 | 13 18 | 5 58 | |
| M16 | 23 34 | 22 41 | 0n 2 | 19 39 | 1 55 | 24 14 | 1 6 | 3 16 | 0 17 | 8 10 | 1 18 | 6 6 | 2 13 | 22 12 | 0 1 | 13 29 | 1 48 | 21 7 | 15 48 | 22 36 | 22 29 | 24 22 | 13 18 | 5 57 | |
| T 17 | 23 34 | 24 39 | 1 8 | 19 57 | 1 47 | 24 10 | 1 8 | 3 29 | 0 18 | 8 7 | 1 18 | 6 6 | 2 13 | 22 12 | 0 1 | 13 30 | 1 48 | 21 7 | 15 49 | 22 36 | 22 28 | 24 21 | 13 17 | 5 57 | |
| W18 | 23 34 | 25 29 | 2 11 | 20 16 | 1 38 | 24 4 | 1 9 | 3 43 | 0 20 | 8 3 | 1 17 | 6 6 | 2 14 | 22 13 | 0 1 | 13 30 | 1 48 | 21 8 | 15 50 | 22 36 | 22 28 | 24 20 | 13 16 | 5 57 | |
| T 19 | 23 33 | 25 7 | 3 7 | 20 35 | 1 29 | 23 58 | 1 11 | 3 56 | 0 21 | 7 59 | 1 17 | 6 6 | 2 14 | 22 13 | 0 1 | 13 31 | 1 48 | 21 8 | 15 50 | 22 36 | 22 28 | 24 19 | 13 15 | 5 57 | |
| F 20 | 23 31 | 23 38 | 3 55 | 20 53 | 1 21 | 23 51 | 1 12 | 4 10 | 0 22 | 7 56 | 1 17 | 6 6 | 2 14 | 22 14 | 0 1 | 13 31 | 1 48 | 21 9 | 15 51 | 22 35 | 22 27 | 24 19 | 13 15 | 5 56 | |
| S 21 | 23 29 | 21 6 | 4 33 | 21 12 | 1 12 | 23 43 | 1 14 | 4 23 | 0 24 | 7 52 | 1 17 | 6 6 | 2 15 | 22 14 | 0 1 | 13 31 | 1 48 | 21 9 | 15 51 | 22 35 | 22 27 | 24 18 | 13 14 | 5 56 | |
| S 22 | 23 27 | 17 41 | 4 59 | 21 29 | 1 3 | 23 35 | 1 15 | 4 37 | 0 25 | 7 48 | 1 17 | 6 6 | 2 15 | 22 15 | 0 1 | 13 32 | 1 48 | 21 10 | 15 52 | 22 34 | 22 26 | 24 17 | 13 13 | 5 56 | |
| M23 | 23 24 | 13 33 | 5 13 | 21 47 | 0 55 | 23 26 | 1 17 | 4 50 | 0 26 | 7 44 | 1 16 | 6 7 | 2 15 | 22 15 | 0 1 | 13 32 | 1 48 | 21 11 | 15 52 | 22 34 | 22 26 | 24 16 | 13 13 | 5 56 | |
| T 24 | 23 21 | 8 50 | 5 13 | 22 4 | 0 46 | 23 16 | 1 18 | 5 4 | 0 27 | 7 40 | 1 16 | 6 7 | 2 15 | 22 16 | 0 1 | 13 33 | 1 49 | 21 11 | 15 53 | 22 34 | 22 25 | 24 16 | 13 12 | 5 56 | |
| W25 | 23 17 | 3 41 | 4 58 | 22 20 | 0 38 | 23 5 | 1 19 | 5 18 | 0 28 | 7 36 | 1 16 | 6 7 | 2 16 | 22 16 | 0 1 | 13 33 | 1 49 | 21 12 | 15 53 | 22 34 | 22 25 | 24 15 | 13 11 | 5 56 | |
| T 26 | 23 13 | 1s44 | 4 29 | 22 36 | 0 29 | 22 54 | 1 21 | 5 31 | 0 30 | 7 32 | 1 16 | 6 7 | 2 16 | 22 16 | 0 1 | 13 33 | 1 49 | 21 13 | 15 54 | 22 34 | 22 25 | 24 14 | 13 10 | 5 55 | |
| F 27 | 23 8 | 7 14 | 3 46 | 22 50 | 0 21 | 22 42 | 1 22 | 5 45 | 0 31 | 7 28 | 1 16 | 6 8 | 2 16 | 22 17 | 0 1 | 13 34 | 1 49 | 21 13 | 15 54 | 22 34 | 22 24 | 24 13 | 13 9 | 5 55 | |
| S 28 | 23 3 | 12 35 | 2 49 | 23 4 | 0 13 | 22 29 | 1 23 | 5 59 | 0 32 | 7 24 | 1 15 | 6 8 | 2 17 | 22 17 | 0 1 | 13 34 | 1 49 | 21 14 | 15 55 | 22 34 | 22 24 | 24 13 | 13 8 | 5 55 | |
| S 29 | 22 57 | 17 30 | 1 41 | 23 17 | 0 5 | 22 16 | 1 24 | 6 12 | 0 33 | 7 20 | 1 15 | 6 8 | 2 17 | 22 18 | 0 1 | 13 34 | 1 49 | 21 15 | 15 55 | 22 34 | 22 23 | 24 12 | 13 8 | 5 55 | |
| M30 | 22 51 | 21 35 | 0 24 | 23 29 | 0s 3 | 22 2 | 1 25 | 6 26 | 0 34 | 7 16 | 1 15 | 6 9 | 2 17 | 22 18 | 0 1 | 13 35 | 1 49 | 21 15 | 15 56 | 22 34 | 22 23 | 24 11 | 13 7 | 5 55 | |
| T 31 | 22s44 | 24s23 | 0s57 | 23s40 | 0s10 | 21s47 | 1s26 | 6n40 | 0n35 | 7s12 | 1s15 | 6n 9 | 2n17 | 22s19 | 0s 1 | 13s35 | 1n49 | 21n16 | 15n56 | 22n34 | 22n23 | 24n10 | 13s 6 | 5n55 | |

Julian Day Number = 2078606.5, Delta T = 26m10s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'34, Lahiri = 9°37'34 Julian Calendar 1 Dec. 978 == Greg. Calendar 6 Dec. 978


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## JANUARY 979 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 0 51 | 15♉53'16 | 9♉ 8 | 26♐56 | 0♒41 | 16♈ 1 | 14♓55 | 19°R49 | 11♐38 | 11♏21 | 13°R12 | 13°R39 | 12♊ 7 | 28♋58 | 6♒16 | W 1 |
| T 2 | 7 4 48 | 16°54'22 | 24°22 | 28°22 | 1°56 | 16°34 | 15° 6 | 19♍48 | 11°41 | 11°22 | 13♍11 | 13♊36 | 12° 3 | 29° 5 | 6°20 | T 2 |
| F 3 | 7 8 44 | 17°55'27 | 9♒37 | 29°49 | 3°11 | 17° 7 | 15°16 | 19°47 | 11°45 | 11°23 | 13°11 | 13°31 | 12° 0 | 29°11 | 6°25 | F 3 |
| S 4 | 7 12 41 | 18°56'31 | 24°42 | 1♉17 | 4°26 | 17°41 | 15°27 | 19°46 | 11°48 | 11°24 | 13°10 | 13°25 | 11°57 | 29°18 | 6°29 | S 4 |
| S 5 | 7 16 38 | 19°57'34 | 9♓29 | 2°46 | 5°42 | 18°14 | 15°38 | 19°45 | 11°51 | 11°25 | 13° 9 | 13°20 | 11°54 | 29°25 | 6°33 | S 5 |
| M 6 | 7 20 34 | 20°58'35 | 23°50 | 4°15 | 6°57 | 18°48 | 15°49 | 19°43 | 11°54 | 11°26 | 13° 8 | 13°16 | 11°51 | 29°31 | 6°37 | M 6 |
| T 7 | 7 24 31 | 21°59'36 | 7♈44 | 5°45 | 8°12 | 19°21 | 16° 1 | 19°42 | 11°57 | 11°27 | 13° 7 | 13°13 | 11°48 | 29°38 | 6°42 | T 7 |
| W 8 | 7 28 27 | 23° 0'35 | 21°10 | 7°16 | 9°27 | 19°55 | 16°12 | 19°40 | 12° 0 | 11°28 | 13° 7 | 13°D12 | 11°44 | 29°45 | 6°46 | W 8 |
| T 9 | 7 32 24 | 24° 1'33 | 4♉11 | 8°48 | 10°42 | 20°29 | 16°23 | 19°39 | 12° 3 | 11°29 | 13° 6 | 13°12 | 11°41 | 29°51 | 6°50 | T 9 |
| F 10 | 7 36 20 | 25° 2'29 | 16°51 | 10°20 | 11°57 | 21° 3 | 16°35 | 19°37 | 12° 6 | 11°30 | 13° 5 | 13°14 | 11°38 | 29°58 | 6°55 | F 10 |
| S 11 | 7 40 17 | 26° 3'25 | 29°13 | 11°53 | 13°12 | 21°37 | 16°47 | 19°35 | 12° 8 | 11°31 | 13° 4 | 13°15 | 11°35 | 0♌ 5 | 6°59 | S 11 |
| S 12 | 7 44 13 | 27° 4'18 | 11♊22 | 13°26 | 14°27 | 22°11 | 16°58 | 19°34 | 12°11 | 11°32 | 13° 3 | 13°R16 | 11°32 | 0°12 | 7° 3 | S 12 |
| M13 | 7 48 10 | 28° 5'11 | 23°22 | 15° 1 | 15°42 | 22°45 | 17°10 | 19°32 | 12°14 | 11°33 | 13° 2 | 13°16 | 11°28 | 0°18 | 7° 8 | M13 |
| T 14 | 7 52 7 | 29° 6'02 | 5♋17 | 16°36 | 16°56 | 23°19 | 17°22 | 19°30 | 12°17 | 11°34 | 13° 1 | 13°13 | 11°25 | 0°25 | 7°12 | T 14 |
| W15 | 7 56 3 | 0♒ 6'52 | 17° 8 | 18°11 | 18°11 | 23°54 | 17°34 | 19°27 | 12°20 | 11°35 | 13° 0 | 13° 8 | 11°22 | 0°32 | 7°16 | W15 |
| T 16 | 8 0 0 | 1° 7'41 | 28°58 | 19°48 | 19°26 | 24°28 | 17°46 | 19°25 | 12°22 | 11°35 | 12°59 | 13° 1 | 11°19 | 0°38 | 7°21 | T 16 |
| F 17 | 8 3 56 | 2° 8'29 | 10♌49 | 21°25 | 20°41 | 25° 2 | 17°58 | 19°23 | 12°25 | 11°36 | 12°57 | 12°52 | 11°16 | 0°45 | 7°25 | F 17 |
| S 18 | 8 7 53 | 3° 9'15 | 22°42 | 23° 3 | 21°56 | 25°37 | 18°11 | 19°20 | 12°28 | 11°37 | 12°56 | 12°42 | 11°13 | 0°52 | 7°30 | S 18 |
| S 19 | 8 11 49 | 4°10'00 | 4♍40 | 24°42 | 23°11 | 26°12 | 18°23 | 19°18 | 12°30 | 11°37 | 12°55 | 12°31 | 11° 9 | 0°58 | 7°34 | S 19 |
| M20 | 8 15 46 | 5°10'43 | 16°43 | 26°21 | 24°25 | 26°46 | 18°35 | 19°15 | 12°33 | 11°38 | 12°54 | 12°22 | 11° 6 | 1° 5 | 7°38 | M20 |
| T 21 | 8 19 42 | 6°11'25 | 28°54 | 28° 2 | 25°40 | 27°21 | 18°48 | 19°12 | 12°35 | 11°39 | 12°53 | 12°14 | 11° 3 | 1°12 | 7°43 | T 21 |
| W22 | 8 23 39 | 7°12'07 | 11♎16 | 29°43 | 26°55 | 27°56 | 19° 0 | 19°10 | 12°38 | 11°39 | 12°51 | 12° 8 | 11° 0 | 1°18 | 7°47 | W22 |
| T 23 | 8 27 36 | 8°12'47 | 23°52 | 1♒25 | 28° 9 | 28°31 | 19°13 | 19° 7 | 12°40 | 11°40 | 12°50 | 12° 5 | 10°57 | 1°25 | 7°52 | T 23 |
| F 24 | 8 31 32 | 9°13'25 | 6♏45 | 3° 8 | 29°24 | 29° 6 | 19°26 | 19° 4 | 12°43 | 11°40 | 12°49 | 12°D 4 | 10°54 | 1°32 | 7°56 | F 24 |
| S 25 | 8 35 29 | 10°14'03 | 20° 0 | 4°52 | 0♓39 | 29°41 | 19°38 | 19° 1 | 12°45 | 11°41 | 12°48 | 12° 4 | 10°50 | 1°38 | 8° 0 | S 25 |
| S 26 | 8 39 25 | 11°14'40 | 3♐38 | 6°36 | 1°53 | 0♉16 | 19°51 | 18°57 | 12°47 | 11°41 | 12°46 | 12° 5 | 10°47 | 1°45 | 8° 5 | S 26 |
| M27 | 8 43 22 | 12°15'15 | 17°44 | 8°22 | 3° 8 | 0°51 | 20° 4 | 18°54 | 12°50 | 11°41 | 12°45 | 12°R 5 | 10°44 | 1°52 | 8° 9 | M27 |
| T 28 | 8 47 18 | 13°15'49 | 2♑15 | 10° 8 | 4°22 | 1°26 | 20°17 | 18°51 | 12°52 | 11°42 | 12°44 | 12° 3 | 10°41 | 1°59 | 8°14 | T 28 |
| W29 | 8 51 15 | 14°16'22 | 17° 9 | 11°56 | 5°37 | 2° 2 | 20°30 | 18°48 | 12°54 | 11°42 | 12°42 | 11°59 | 10°38 | 2° 5 | 8°18 | W29 |
| T 30 | 8 55 11 | 15°16'53 | 2♒20 | 13°44 | 6°51 | 2°37 | 20°43 | 18°44 | 12°56 | 11°42 | 12°41 | 11°52 | 10°34 | 2°12 | 8°22 | T 30 |
| F 31 | 8 59 8 | 16♒17'22 | 17♒38 | 15♒33 | 8♓ 6 | 3♉12 | 20♓57 | 18♍41 | 12♐59 | 11♏43 | 12♍40 | 11♊43 | 10♊31 | 2♌19 | 8♒27 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s37 | 25s30 | 2s15 | 23s50 | 0s18 | 21s32 | 1s27 | 6n53 | 0n36 | 7s 7 | 1s15 | 6n10 | 2n18 | 22s19 | 0s 1 | 13s35 | 1n49 | 21n17 | 15n57 | 22n34 | 22n22 | 24n 9 | 13s 5 | 5n54 |
| T 2 | 22 30 | 24 42 | 3 24 | 23 59 | 0 25 | 21 16 | 1 27 | 7 7 | 0 37 | 7 3 | 1 15 | 6 11 | 2 18 | 22 20 | 0 1 | 13 36 | 1 49 | 21 18 | 15 57 | 22 33 | 22 22 | 24 9 | 13 4 | 5 54 |
| F 3 | 22 22 | 22 6 | 4 19 | 24 7 | 0 32 | 20 59 | 1 28 | 7 21 | 0 38 | 6 59 | 1 14 | 6 11 | 2 18 | 22 20 | 0 1 | 13 36 | 1 49 | 21 18 | 15 58 | 22 33 | 22 21 | 24 8 | 13 3 | 5 54 |
| S 4 | 22 14 | 17 59 | 4 55 | 24 13 | 0 39 | 20 42 | 1 29 | 7 34 | 0 39 | 6 54 | 1 14 | 6 12 | 2 19 | 22 21 | 0 1 | 13 36 | 1 49 | 21 19 | 15 58 | 22 32 | 22 21 | 24 7 | 13 2 | 5 54 |
| S 5 | 22 5 | 12 51 | 5 11 | 24 19 | 0 46 | 20 24 | 1 30 | 7 48 | 0 40 | 6 50 | 1 14 | 6 13 | 2 19 | 22 21 | 0 1 | 13 37 | 1 49 | 21 20 | 15 59 | 22 32 | 22 20 | 24 6 | 13 1 | 5 54 |
| M 6 | 21 56 | 7 8 | 5 6 | 24 23 | 0 52 | 20 5 | 1 30 | 8 2 | 0 41 | 6 45 | 1 14 | 6 13 | 2 19 | 22 21 | 0 1 | 13 37 | 1 49 | 21 21 | 15 59 | 22 31 | 22 20 | 24 5 | 13 0 | 5 54 |
| T 7 | 21 46 | 1 15 | 4 43 | 24 25 | 0 59 | 19 46 | 1 31 | 8 16 | 0 42 | 6 41 | 1 14 | 6 14 | 2 19 | 22 22 | 0 1 | 13 37 | 1 49 | 21 21 | 16 0 | 22 31 | 22 20 | 24 4 | 13 0 | 5 54 |
| W 8 | 21 36 | 4n31 | 4 6 | 24 27 | 1 5 | 19 27 | 1 31 | 8 29 | 0 43 | 6 36 | 1 14 | 6 15 | 2 20 | 22 22 | 0 1 | 13 37 | 1 49 | 21 22 | 16 0 | 22 31 | 22 19 | 24 3 | 12 59 | 5 54 |
| T 9 | 21 25 | 9 54 | 3 16 | 24 27 | 1 11 | 19 7 | 1 31 | 8 43 | 0 43 | 6 32 | 1 13 | 6 16 | 2 20 | 22 23 | 0 1 | 13 38 | 1 49 | 21 23 | 16 1 | 22 31 | 22 19 | 24 3 | 12 58 | 5 54 |
| F 10 | 21 15 | 14 45 | 2 19 | 24 26 | 1 16 | 18 46 | 1 32 | 8 56 | 0 44 | 6 27 | 1 13 | 6 17 | 2 20 | 22 23 | 0 1 | 13 38 | 1 49 | 21 24 | 16 1 | 22 31 | 22 18 | 24 2 | 12 57 | 5 53 |
| S 11 | 21 3 | 18 52 | 1 16 | 24 23 | 1 21 | 18 25 | 1 32 | 9 10 | 0 45 | 6 22 | 1 13 | 6 18 | 2 20 | 22 23 | 0 1 | 13 38 | 1 50 | 21 24 | 16 1 | 22 31 | 22 18 | 24 1 | 12 56 | 5 53 |
| S 12 | 20 52 | 22 6 | 0 10 | 24 19 | 1 27 | 18 3 | 1 32 | 9 24 | 0 46 | 6 17 | 1 13 | 6 19 | 2 21 | 22 24 | 0 1 | 13 38 | 1 50 | 21 25 | 16 2 | 22 31 | 22 17 | 24 0 | 12 55 | 5 53 |
| M13 | 20 40 | 24 19 | 0n54 | 24 14 | 1 31 | 17 41 | 1 32 | 9 37 | 0 47 | 6 13 | 1 13 | 6 20 | 2 21 | 22 24 | 0 1 | 13 39 | 1 50 | 21 26 | 16 2 | 22 31 | 22 17 | 23 59 | 12 54 | 5 53 |
| T 14 | 20 27 | 25 24 | 1 56 | 24 7 | 1 36 | 17 18 | 1 32 | 9 51 | 0 48 | 6 8 | 1 13 | 6 21 | 2 21 | 22 25 | 0 1 | 13 39 | 1 50 | 21 27 | 16 3 | 22 31 | 22 17 | 23 58 | 12 53 | 5 53 |
| W15 | 20 14 | 25 19 | 2 52 | 23 59 | 1 40 | 16 55 | 1 32 | 10 4 | 0 48 | 6 3 | 1 12 | 6 22 | 2 21 | 22 25 | 0 1 | 13 39 | 1 50 | 21 28 | 16 3 | 22 30 | 22 16 | 23 57 | 12 52 | 5 53 |
| T 16 | 20 1 | 24 5 | 3 41 | 23 49 | 1 44 | 16 32 | 1 32 | 10 18 | 0 49 | 5 58 | 1 12 | 6 23 | 2 22 | 22 25 | 0 1 | 13 39 | 1 50 | 21 28 | 16 4 | 22 29 | 22 16 | 23 56 | 12 51 | 5 53 |
| F 17 | 19 48 | 21 47 | 4 20 | 23 38 | 1 47 | 16 8 | 1 32 | 10 31 | 0 50 | 5 53 | 1 12 | 6 24 | 2 22 | 22 26 | 0 1 | 13 39 | 1 50 | 21 29 | 16 4 | 22 28 | 22 15 | 23 55 | 12 50 | 5 53 |
| S 18 | 19 34 | 18 33 | 4 48 | 23 25 | 1 51 | 15 43 | 1 31 | 10 44 | 0 51 | 5 48 | 1 12 | 6 25 | 2 22 | 22 26 | 0 1 | 13 40 | 1 50 | 21 30 | 16 4 | 22 27 | 22 15 | 23 54 | 12 48 | 5 53 |
| S 19 | 19 19 | 14 33 | 5 3 | 23 10 | 1 54 | 15 18 | 1 31 | 10 58 | 0 51 | 5 43 | 1 12 | 6 26 | 2 22 | 22 26 | 0 1 | 13 40 | 1 50 | 21 31 | 16 5 | 22 25 | 22 14 | 23 53 | 12 47 | 5 53 |
| M20 | 19 5 | 9 57 | 5 5 | 22 54 | 1 56 | 14 53 | 1 31 | 11 11 | 0 52 | 5 38 | 1 12 | 6 28 | 2 23 | 22 27 | 0 1 | 13 40 | 1 50 | 21 32 | 16 5 | 22 24 | 22 14 | 23 52 | 12 46 | 5 53 |
| T 21 | 18 50 | 4 55 | 4 53 | 22 36 | 1 59 | 14 27 | 1 30 | 11 24 | 0 53 | 5 33 | 1 12 | 6 29 | 2 23 | 22 27 | 0 1 | 13 40 | 1 50 | 21 32 | 16 5 | 22 23 | 22 13 | 23 51 | 12 45 | 5 53 |
| W22 | 18 34 | 0s23 | 4 28 | 22 17 | 2 0 | 14 1 | 1 30 | 11 38 | 0 53 | 5 28 | 1 12 | 6 30 | 2 23 | 22 27 | 0 1 | 13 40 | 1 50 | 21 33 | 16 6 | 22 22 | 22 13 | 23 51 | 12 44 | 5 53 |
| T 23 | 18 19 | 5 46 | 3 49 | 21 56 | 2 2 | 13 34 | 1 29 | 11 51 | 0 54 | 5 23 | 1 11 | 6 32 | 2 23 | 22 28 | 0 1 | 13 40 | 1 50 | 21 34 | 16 6 | 22 22 | 22 13 | 23 50 | 12 43 | 5 53 |
| F 24 | 18 3 | 11 3 | 2 57 | 21 34 | 2 3 | 13 7 | 1 28 | 12 4 | 0 55 | 5 18 | 1 11 | 6 33 | 2 24 | 22 28 | 0 1 | 13 40 | 1 50 | 21 35 | 16 7 | 22 22 | 22 12 | 23 49 | 12 42 | 5 53 |
| S 25 | 17 47 | 15 59 | 1 55 | 21 9 | 2 4 | 12 40 | 1 28 | 12 17 | 0 55 | 5 13 | 1 11 | 6 35 | 2 24 | 22 28 | 0 1 | 13 40 | 1 50 | 21 36 | 16 7 | 22 22 | 22 12 | 23 48 | 12 41 | 5 53 |
| S 26 | 17 30 | 20 16 | 0 45 | 20 44 | 2 4 | 12 13 | 1 27 | 12 30 | 0 56 | 5 8 | 1 11 | 6 36 | 2 24 | 22 29 | 0 1 | 13 40 | 1 50 | 21 37 | 16 7 | 22 22 | 22 11 | 23 47 | 12 40 | 5 53 |
| M27 | 17 13 | 23 30 | 0s30 | 20 16 | 2 4 | 11 45 | 1 26 | 12 43 | 0 56 | 5 2 | 1 11 | 6 37 | 2 24 | 22 29 | 0 1 | 13 40 | 1 50 | 21 37 | 16 8 | 22 22 | 22 11 | 23 46 | 12 39 | 5 53 |
| T 28 | 16 56 | 25 19 | 1 46 | 19 47 | 2 3 | 11 17 | 1 25 | 12 56 | 0 57 | 4 57 | 1 11 | 6 39 | 2 24 | 22 29 | 0 1 | 13 40 | 1 51 | 21 38 | 16 8 | 22 22 | 22 10 | 23 45 | 12 38 | 5 53 |
| W29 | 16 38 | 25 22 | 2 56 | 19 16 | 2 2 | 10 48 | 1 24 | 13 9 | 0 58 | 4 52 | 1 11 | 6 40 | 2 25 | 22 30 | 0 1 | 13 41 | 1 51 | 21 39 | 16 8 | 22 21 | 22 10 | 23 44 | 12 36 | 5 53 |
| T 30 | 16 21 | 23 33 | 3 54 | 18 43 | 2 1 | 10 19 | 1 23 | 13 21 | 0 58 | 4 47 | 1 11 | 6 42 | 2 25 | 22 30 | 0 1 | 13 41 | 1 51 | 21 40 | 16 9 | 22 20 | 22 9 | 23 43 | 12 35 | 5 53 |
| F 31 | 16s 3 | 20s 1 | 4s37 | 18s 9 | 1s59 | 9s50 | 1s22 | 13n34 | 0n59 | 4s41 | 1s10 | 6n44 | 2n25 | 22s30 | 0s 1 | 13s41 | 1n51 | 21n41 | 16n 9 | 22n19 | 22n 9 | 23n42 | 12s34 | 5n53 |

Julian Day Number = 2078637.5, Delta T = 26m10s
Ecliptic obliquity = 23°34'20, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'38, Lahiri = 9°37'38 Julian Calendar 1 Jan. 979 == Greg. Calendar 6 Jan. 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## FEBRUARY 979 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 3 5 | 17♒17'50 | 2♓52 | 17♒23 | 9♓20 | 3♉48 | 21♓10 | 18°R37 | 13♐ 1 | 11♏43 | 12°R38 | 11°R33 | 10♊28 | 2♌25 | 8♒31 | S 1 |
| S 2 | 9 7 1 | 18°18'16 | 17°50 | 19°14 | 10°35 | 4°23 | 21°23 | 18♍33 | 13° 3 | 11°43 | 12♍37 | 11♊23 | 10°25 | 2°32 | 8°35 | S 2 |
| M 3 | 9 10 58 | 19°18'40 | 2♈25 | 21° 5 | 11°49 | 4°59 | 21°36 | 18°29 | 13° 5 | 11°43 | 12°35 | 11°14 | 10°22 | 2°39 | 8°40 | M 3 |
| T 4 | 9 14 54 | 20°19'02 | 16°30 | 22°58 | 13° 3 | 5°35 | 21°50 | 18°26 | 13° 7 | 11°43 | 12°34 | 11° 7 | 10°19 | 2°45 | 8°44 | T 4 |
| W 5 | 9 18 51 | 21°19'22 | 0♉ 6 | 24°51 | 14°18 | 6°10 | 22° 3 | 18°22 | 13° 8 | 11°43 | 12°32 | 11° 3 | 10°15 | 2°52 | 8°48 | W 5 |
| T 6 | 9 22 47 | 22°19'40 | 13°12 | 26°45 | 15°32 | 6°46 | 22°17 | 18°18 | 13°10 | 11°43 | 12°31 | 11° 1 | 10°12 | 2°59 | 8°53 | T 6 |
| F 7 | 9 26 44 | 23°19'56 | 25°53 | 28°39 | 16°46 | 7°22 | 22°30 | 18°14 | 13°12 | 11°R43 | 12°29 | 11°D 1 | 10° 9 | 3° 6 | 8°57 | F 7 |
| S 8 | 9 30 40 | 24°20'10 | 8♊14 | 0♓33 | 18° 0 | 7°57 | 22°44 | 18°10 | 13°14 | 11°43 | 12°28 | 11°R 1 | 10° 6 | 3°12 | 9° 1 | S 8 |
| S 9 | 9 34 37 | 25°20'22 | 20°20 | 2°28 | 19°15 | 8°33 | 22°58 | 18° 6 | 13°16 | 11°43 | 12°26 | 11° 1 | 10° 3 | 3°19 | 9° 5 | S 9 |
| M10 | 9 38 34 | 26°20'32 | 2♋15 | 4°23 | 20°29 | 9° 9 | 23°11 | 18° 2 | 13°17 | 11°43 | 12°25 | 10°59 | 10° 0 | 3°26 | 9°10 | M10 |
| T 11 | 9 42 30 | 27°20'40 | 14° 6 | 6°18 | 21°43 | 9°45 | 23°25 | 17°57 | 13°19 | 11°43 | 12°23 | 10°54 | 9°56 | 3°32 | 9°14 | T 11 |
| W12 | 9 46 27 | 28°20'45 | 25°54 | 8°13 | 22°57 | 10°21 | 23°39 | 17°53 | 13°20 | 11°43 | 12°22 | 10°47 | 9°53 | 3°39 | 9°18 | W12 |
| T 13 | 9 50 23 | 29°20'49 | 7♌44 | 10° 6 | 24°11 | 10°57 | 23°53 | 17°49 | 13°22 | 11°43 | 12°20 | 10°37 | 9°50 | 3°46 | 9°22 | T 13 |
| F 14 | 9 54 20 | 0♓20'50 | 19°38 | 11°59 | 25°25 | 11°33 | 24° 7 | 17°44 | 13°23 | 11°42 | 12°18 | 10°24 | 9°47 | 3°52 | 9°26 | F 14 |
| S 15 | 9 58 16 | 1°20'50 | 1♍38 | 13°51 | 26°38 | 12° 9 | 24°21 | 17°40 | 13°25 | 11°42 | 12°17 | 10°10 | 9°44 | 3°59 | 9°31 | S 15 |
| S 16 | 10 2 13 | 2°20'47 | 13°44 | 15°41 | 27°52 | 12°45 | 24°34 | 17°36 | 13°26 | 11°42 | 12°15 | 9°56 | 9°40 | 4° 6 | 9°35 | S 16 |
| M17 | 10 6 9 | 3°20'43 | 25°58 | 17°28 | 29° 6 | 13°21 | 24°48 | 17°31 | 13°27 | 11°42 | 12°14 | 9°42 | 9°37 | 4°12 | 9°39 | M17 |
| T 18 | 10 10 6 | 4°20'37 | 8♎21 | 19°13 | 0♈20 | 13°57 | 25° 2 | 17°27 | 13°29 | 11°41 | 12°12 | 9°30 | 9°34 | 4°19 | 9°43 | T 18 |
| W19 | 10 14 3 | 5°20'29 | 20°53 | 20°55 | 1°33 | 14°33 | 25°17 | 17°22 | 13°30 | 11°41 | 12°10 | 9°22 | 9°31 | 4°26 | 9°47 | W19 |
| T 20 | 10 17 59 | 6°20'19 | 3♏36 | 22°34 | 2°47 | 15°10 | 25°31 | 17°18 | 13°31 | 11°40 | 12° 9 | 9°16 | 9°28 | 4°33 | 9°51 | T 20 |
| F 21 | 10 21 56 | 7°20'07 | 16°33 | 24° 8 | 4° 1 | 15°46 | 25°45 | 17°13 | 13°32 | 11°40 | 12° 7 | 9°13 | 9°25 | 4°39 | 9°55 | F 21 |
| S 22 | 10 25 52 | 8°19'54 | 29°47 | 25°38 | 5°14 | 16°22 | 25°59 | 17° 8 | 13°33 | 11°40 | 12° 6 | 9°12 | 9°21 | 4°46 | 9°59 | S 22 |
| S 23 | 10 29 49 | 9°19'39 | 13♐19 | 27° 3 | 6°28 | 16°58 | 26°13 | 17° 4 | 13°34 | 11°39 | 12° 4 | 9°12 | 9°18 | 4°53 | 10° 3 | S 23 |
| M24 | 10 33 45 | 10°19'22 | 27°12 | 28°22 | 7°41 | 17°35 | 26°27 | 16°59 | 13°35 | 11°38 | 12° 2 | 9°11 | 9°15 | 4°59 | 10° 7 | M24 |
| T 25 | 10 37 42 | 11°19'04 | 11♑27 | 29°35 | 8°55 | 18°11 | 26°42 | 16°54 | 13°36 | 11°38 | 12° 1 | 9° 9 | 9°12 | 5° 6 | 10°11 | T 25 |
| W26 | 10 41 38 | 12°18'44 | 26° 3 | 0♈41 | 10° 8 | 18°47 | 26°56 | 16°50 | 13°37 | 11°37 | 11°59 | 9° 4 | 9° 9 | 5°13 | 10°15 | W26 |
| T 27 | 10 45 35 | 13°18'22 | 10♒56 | 1°41 | 11°21 | 19°24 | 27°10 | 16°45 | 13°38 | 11°37 | 11°57 | 8°57 | 9° 5 | 5°19 | 10°19 | T 27 |
| F 28 | 10 49 32 | 14♓17'58 | 25♒57 | 2♈34 | 12♈35 | 20♉ 0 | 27♓24 | 16♍40 | 13♐38 | 11♏36 | 11♍56 | 8♊47 | 9♊ 2 | 5♌26 | 10♒22 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 15s44 | 15s 9 | 4s59 | 17s33 | 1s56 | 9s21 | 1s21 | 13n47 | 0n59 | 4s36 | 1s10 | 6n45 | 2n25 | 22s30 | 0s 1 | 13s41 | 1n51 | 21n41 | 16n 9 | 22n18 | 22n 8 | 23n41 | 12s33 | 5n53 | S 1 |
| S 2 | 15 26 | 9 27 | 5 1 | 16 56 | 1 53 | 8 52 | 1 19 | 14 0 | 1 0 | 4 31 | 1 10 | 6 47 | 2 26 | 22 31 | 0 1 | 13 41 | 1 51 | 21 42 | 16 9 | 22 16 | 22 8 | 23 39 | 12 32 | 5 53 | S 2 |
| M 3 | 15 7 | 3 21 | 4 43 | 16 16 | 1 49 | 8 22 | 1 18 | 14 12 | 1 0 | 4 25 | 1 10 | 6 48 | 2 26 | 22 31 | 0 1 | 13 41 | 1 51 | 21 43 | 16 10 | 22 15 | 22 8 | 23 38 | 12 31 | 5 53 | M 3 |
| T 4 | 14 48 | 2n43 | 4 8 | 15 36 | 1 45 | 7 52 | 1 16 | 14 25 | 1 1 | 4 20 | 1 10 | 6 50 | 2 26 | 22 31 | 0 1 | 13 41 | 1 51 | 21 44 | 16 10 | 22 14 | 22 7 | 23 37 | 12 30 | 5 53 | T 4 |
| W 5 | 14 28 | 8 27 | 3 19 | 14 53 | 1 40 | 7 22 | 1 15 | 14 37 | 1 1 | 4 14 | 1 10 | 6 52 | 2 26 | 22 31 | 0 1 | 13 40 | 1 51 | 21 45 | 16 10 | 22 13 | 22 7 | 23 36 | 12 28 | 5 53 | W 5 |
| T 6 | 14 9 | 13 38 | 2 22 | 14 9 | 1 35 | 6 52 | 1 13 | 14 49 | 1 2 | 4 9 | 1 10 | 6 54 | 2 26 | 22 32 | 0 1 | 13 40 | 1 51 | 21 46 | 16 10 | 22 13 | 22 6 | 23 35 | 12 27 | 5 53 | T 6 |
| F 7 | 13 49 | 18 3 | 1 19 | 13 24 | 1 29 | 6 21 | 1 12 | 15 2 | 1 2 | 4 3 | 1 10 | 6 55 | 2 26 | 22 32 | 0 1 | 13 40 | 1 51 | 21 46 | 16 11 | 22 13 | 22 6 | 23 34 | 12 26 | 5 53 | F 7 |
| S 8 | 13 29 | 21 34 | 0 15 | 12 37 | 1 23 | 5 51 | 1 10 | 15 14 | 1 3 | 3 58 | 1 10 | 6 57 | 2 27 | 22 32 | 0 1 | 13 40 | 1 51 | 21 47 | 16 11 | 22 13 | 22 5 | 23 33 | 12 25 | 5 53 | S 8 |
| S 9 | 13 9 | 24 2 | 0n49 | 11 49 | 1 15 | 5 20 | 1 8 | 15 26 | 1 3 | 3 52 | 1 10 | 6 59 | 2 27 | 22 32 | 0 1 | 13 40 | 1 51 | 21 48 | 16 11 | 22 13 | 22 5 | 23 32 | 12 24 | 5 54 | S 9 |
| M10 | 12 48 | 25 23 | 1 50 | 11 0 | 1 7 | 4 49 | 1 7 | 15 38 | 1 4 | 3 47 | 1 9 | 7 1 | 2 27 | 22 33 | 0 1 | 13 40 | 1 51 | 21 49 | 16 11 | 22 13 | 22 4 | 23 31 | 12 23 | 5 54 | M10 |
| T 11 | 12 28 | 25 34 | 2 46 | 10 10 | 0 59 | 4 18 | 1 5 | 15 50 | 1 4 | 3 41 | 1 9 | 7 2 | 2 27 | 22 33 | 0 1 | 13 40 | 1 51 | 21 50 | 16 11 | 22 12 | 22 4 | 23 30 | 12 21 | 5 54 | T 11 |
| W12 | 12 7 | 24 35 | 3 34 | 9 18 | 0 50 | 3 47 | 1 3 | 16 2 | 1 5 | 3 36 | 1 9 | 7 4 | 2 27 | 22 33 | 0 1 | 13 40 | 1 51 | 21 50 | 16 12 | 22 11 | 22 3 | 23 29 | 12 20 | 5 54 | W12 |
| T 13 | 11 46 | 22 30 | 4 13 | 8 26 | 0 40 | 3 15 | 1 1 | 16 13 | 1 5 | 3 30 | 1 9 | 7 6 | 2 27 | 22 33 | 0 1 | 13 40 | 1 52 | 21 51 | 16 12 | 22 10 | 22 3 | 23 28 | 12 19 | 5 54 | T 13 |
| F 14 | 11 25 | 19 27 | 4 41 | 7 34 | 0 30 | 2 44 | 0 59 | 16 25 | 1 5 | 3 25 | 1 9 | 7 8 | 2 27 | 22 33 | 0 1 | 13 40 | 1 52 | 21 52 | 16 12 | 22 8 | 22 2 | 23 27 | 12 18 | 5 54 | F 14 |
| S 15 | 11 3 | 15 34 | 4 56 | 6 41 | 0 19 | 2 13 | 0 57 | 16 37 | 1 6 | 3 19 | 1 9 | 7 10 | 2 28 | 22 34 | 0 1 | 13 40 | 1 52 | 21 53 | 16 12 | 22 6 | 22 2 | 23 25 | 12 17 | 5 54 | S 15 |
| S 16 | 10 42 | 11 1 | 4 59 | 5 48 | 0 7 | 1 41 | 0 55 | 16 48 | 1 6 | 3 13 | 1 9 | 7 12 | 2 28 | 22 34 | 0 1 | 13 39 | 1 52 | 21 53 | 16 12 | 22 4 | 22 1 | 23 24 | 12 15 | 5 54 | S 16 |
| M17 | 10 20 | 6 1 | 4 48 | 4 54 | 0n 4 | 1 10 | 0 52 | 16 59 | 1 7 | 3 8 | 1 9 | 7 14 | 2 28 | 22 34 | 0 1 | 13 39 | 1 52 | 21 54 | 16 12 | 22 2 | 22 1 | 23 23 | 12 14 | 5 54 | M17 |
| T 18 | 9 58 | 0 42 | 4 23 | 4 2 | 0 17 | 0 38 | 0 50 | 17 11 | 1 7 | 3 2 | 1 9 | 7 15 | 2 28 | 22 34 | 0 1 | 13 39 | 1 52 | 21 55 | 16 13 | 22 0 | 22 1 | 23 22 | 12 13 | 5 55 | T 18 |
| W19 | 9 36 | 4s43 | 3 45 | 3 10 | 0 30 | 0 6 | 0 48 | 17 22 | 1 7 | 2 56 | 1 9 | 7 17 | 2 28 | 22 34 | 0 1 | 13 39 | 1 52 | 21 56 | 16 13 | 21 59 | 22 0 | 23 21 | 12 12 | 5 55 | W19 |
| T 20 | 9 14 | 10 2 | 2 56 | 2 19 | 0 43 | 0n25 | 0 45 | 17 33 | 1 8 | 2 51 | 1 9 | 7 19 | 2 28 | 22 34 | 0 1 | 13 39 | 1 52 | 21 57 | 16 13 | 21 58 | 22 0 | 23 20 | 12 11 | 5 55 | T 20 |
| F 21 | 8 52 | 15 1 | 1 57 | 1 29 | 0 56 | 0 57 | 0 43 | 17 44 | 1 8 | 2 45 | 1 9 | 7 21 | 2 28 | 22 35 | 0 1 | 13 39 | 1 52 | 21 57 | 16 13 | 21 57 | 21 59 | 23 19 | 12 9 | 5 55 | F 21 |
| S 22 | 8 29 | 19 25 | 0 50 | 0 41 | 1 9 | 1 28 | 0 41 | 17 55 | 1 8 | 2 39 | 1 9 | 7 23 | 2 28 | 22 35 | 0 1 | 13 38 | 1 52 | 21 58 | 16 13 | 21 57 | 21 59 | 23 17 | 12 8 | 5 55 | S 22 |
| S 23 | 8 7 | 22 53 | 0s22 | 0n 5 | 1 23 | 2 0 | 0 38 | 18 6 | 1 9 | 2 34 | 1 9 | 7 25 | 2 29 | 22 35 | 0 1 | 13 38 | 1 52 | 21 59 | 16 13 | 21 57 | 21 58 | 23 16 | 12 7 | 5 55 | S 23 |
| M24 | 7 44 | 25 6 | 1 34 | 0 49 | 1 36 | 2 31 | 0 36 | 18 16 | 1 9 | 2 28 | 1 9 | 7 27 | 2 29 | 22 35 | 0 1 | 13 38 | 1 52 | 21 59 | 16 13 | 21 57 | 21 58 | 23 15 | 12 6 | 5 56 | M24 |
| T 25 | 7 22 | 25 45 | 2 41 | 1 30 | 1 49 | 3 3 | 0 33 | 18 27 | 1 9 | 2 22 | 1 8 | 7 29 | 2 29 | 22 35 | 0 1 | 13 38 | 1 52 | 22 0 | 16 13 | 21 57 | 21 57 | 23 14 | 12 5 | 5 56 | T 25 |
| W26 | 6 59 | 24 40 | 3 40 | 2 8 | 2 2 | 3 34 | 0 30 | 18 37 | 1 10 | 2 16 | 1 8 | 7 31 | 2 29 | 22 35 | 0 1 | 13 37 | 1 52 | 22 1 | 16 13 | 21 56 | 21 57 | 23 13 | 12 3 | 5 56 | W26 |
| T 27 | 6 36 | 21 50 | 4 26 | 2 44 | 2 14 | 4 6 | 0 28 | 18 48 | 1 10 | 2 11 | 1 8 | 7 32 | 2 29 | 22 35 | 0 1 | 13 37 | 1 52 | 22 1 | 16 13 | 21 55 | 21 56 | 23 11 | 12 2 | 5 56 | T 27 |
| F 28 | 6s13 | 17s31 | 4s53 | 3n16 | 2n26 | 4n37 | 0s25 | 18n58 | 1n10 | 2s 5 | 1s 8 | 7n34 | 2n29 | 22s35 | 0s 2 | 13s37 | 1n52 | 22n 2 | 16n13 | 21n53 | 21n56 | 23n10 | 12s 1 | 5n56 | F 28 |

Julian Day Number = 2078668.5, Delta T = 26m10s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'42, Lahiri = 9°37'43 Julian Calendar 1 Feb. 979 == Greg. Calendar 6 Feb. 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## MARCH 979 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 53 28 | 15♓17'32 | 11♓ 0 | 3♈19 | 13♈48 | 20♉36 | 27♓39 | 16°R36 | 13♐39 | 11°R35 | 11°R54 | 8°R36 | 8♊59 | 5♌33 | 10♒26 | S 1 |
| S 2 | 10 57 25 | 16°17'04 | 25°52 | 3°57 | 15° 1 | 21°13 | 27°53 | 16♍31 | 13°40 | 11♏35 | 11♍53 | 8♊24 | 8°56 | 5°40 | 10°30 | S 2 |
| M 3 | 11 1 21 | 17°16'33 | 10♈26 | 4°27 | 16°14 | 21°49 | 28° 7 | 16°26 | 13°40 | 11°34 | 11°51 | 8°14 | 8°53 | 5°46 | 10°34 | M 3 |
| T 4 | 11 5 18 | 18°16'01 | 24°35 | 4°49 | 17°27 | 22°26 | 28°22 | 16°21 | 13°41 | 11°33 | 11°49 | 8° 5 | 8°50 | 5°53 | 10°37 | T 4 |
| W 5 | 11 9 14 | 19°15'26 | 8♉15 | 5° 3 | 18°40 | 23° 2 | 28°36 | 16°17 | 13°41 | 11°32 | 11°48 | 8° 0 | 8°46 | 6° 0 | 10°41 | W 5 |
| T 6 | 11 13 11 | 20°14'49 | 21°27 | 5°R 9 | 19°53 | 23°39 | 28°51 | 16°12 | 13°42 | 11°31 | 11°46 | 7°57 | 8°43 | 6° 6 | 10°45 | T 6 |
| F 7 | 11 17 7 | 21°14'10 | 4♊14 | 5° 8 | 21° 6 | 24°15 | 29° 5 | 16° 7 | 13°42 | 11°30 | 11°44 | 7°D56 | 8°40 | 6°13 | 10°48 | F 7 |
| S 8 | 11 21 4 | 22°13'29 | 16°38 | 5° 0 | 22°19 | 24°52 | 29°19 | 16° 3 | 13°43 | 11°30 | 11°43 | 7°R56 | 8°37 | 6°20 | 10°52 | S 8 |
| S 9 | 11 25 0 | 23°12'45 | 28°46 | 4°44 | 23°32 | 25°29 | 29°34 | 15°58 | 13°43 | 11°29 | 11°41 | 7°56 | 8°34 | 6°26 | 10°55 | S 9 |
| M10 | 11 28 57 | 24°11'58 | 10♋43 | 4°22 | 24°44 | 26° 5 | 29°48 | 15°53 | 13°43 | 11°28 | 11°40 | 7°55 | 8°31 | 6°33 | 10°59 | M10 |
| T 11 | 11 32 54 | 25°11'10 | 22°34 | 3°54 | 25°57 | 26°42 | 0♈ 3 | 15°49 | 13°43 | 11°27 | 11°38 | 7°51 | 8°27 | 6°40 | 11° 2 | T 11 |
| W12 | 11 36 50 | 26°10'19 | 4♌23 | 3°20 | 27°10 | 27°18 | 0°17 | 15°44 | 13°43 | 11°26 | 11°36 | 7°45 | 8°24 | 6°47 | 11° 6 | W12 |
| T 13 | 11 40 47 | 27° 9'26 | 16°15 | 2°42 | 28°22 | 27°55 | 0°32 | 15°40 | 13°43 | 11°25 | 11°35 | 7°37 | 8°21 | 6°53 | 11° 9 | T 13 |
| F 14 | 11 44 43 | 28° 8'30 | 28°14 | 2° 0 | 29°35 | 28°32 | 0°46 | 15°35 | 13°R43 | 11°24 | 11°33 | 7°26 | 8°18 | 7° 0 | 11°12 | F 14 |
| S 15 | 11 48 40 | 29° 7'32 | 10♍20 | 1°16 | 0♉47 | 29° 8 | 1° 1 | 15°31 | 13°43 | 11°23 | 11°32 | 7°14 | 8°15 | 7° 7 | 11°16 | S 15 |
| S 16 | 11 52 36 | 0♈ 6'32 | 22°37 | 0°29 | 1°59 | 29°45 | 1°15 | 15°26 | 13°43 | 11°21 | 11°30 | 7° 2 | 8°11 | 7°13 | 11°19 | S 16 |
| M17 | 11 56 33 | 1° 5'30 | 5♎ 5 | 29♓41 | 3°12 | 0♊22 | 1°30 | 15°22 | 13°43 | 11°20 | 11°29 | 6°50 | 8° 8 | 7°20 | 11°22 | M17 |
| T 18 | 12 0 29 | 2° 4'26 | 17°43 | 28°53 | 4°24 | 0°58 | 1°44 | 15°17 | 13°43 | 11°19 | 11°27 | 6°40 | 8° 5 | 7°27 | 11°25 | T 18 |
| W19 | 12 4 26 | 3° 3'19 | 0♏33 | 28° 6 | 5°36 | 1°35 | 1°59 | 15°13 | 13°43 | 11°18 | 11°26 | 6°32 | 8° 2 | 7°33 | 11°28 | W19 |
| T 20 | 12 8 23 | 4° 2'11 | 13°34 | 27°21 | 6°48 | 2°12 | 2°13 | 15° 8 | 13°42 | 11°17 | 11°24 | 6°27 | 7°59 | 7°40 | 11°31 | T 20 |
| F 21 | 12 12 19 | 5° 1'02 | 26°46 | 26°38 | 8° 0 | 2°49 | 2°27 | 15° 4 | 13°42 | 11°16 | 11°23 | 6°25 | 7°56 | 7°47 | 11°34 | F 21 |
| S 22 | 12 16 16 | 5°59'50 | 10♐10 | 25°59 | 9°12 | 3°25 | 2°42 | 15° 0 | 13°42 | 11°14 | 11°21 | 6°D25 | 7°52 | 7°54 | 11°37 | S 22 |
| S 23 | 12 20 12 | 6°58'36 | 23°48 | 25°23 | 10°24 | 4° 2 | 2°56 | 14°56 | 13°41 | 11°13 | 11°20 | 6°25 | 7°49 | 8° 0 | 11°40 | S 23 |
| M24 | 12 24 9 | 7°57'21 | 7♑40 | 24°51 | 11°35 | 4°39 | 3°11 | 14°52 | 13°41 | 11°12 | 11°19 | 6°R26 | 7°46 | 8° 7 | 11°43 | M24 |
| T 25 | 12 28 5 | 8°56'05 | 21°46 | 24°24 | 12°47 | 5°16 | 3°25 | 14°47 | 13°40 | 11°11 | 11°17 | 6°25 | 7°43 | 8°14 | 11°46 | T 25 |
| W26 | 12 32 2 | 9°54'46 | 6♒ 5 | 24° 1 | 13°59 | 5°52 | 3°40 | 14°43 | 13°40 | 11° 9 | 11°16 | 6°22 | 7°40 | 8°20 | 11°49 | W26 |
| T 27 | 12 35 58 | 10°53'26 | 20°36 | 23°44 | 15°10 | 6°29 | 3°54 | 14°39 | 13°39 | 11° 8 | 11°14 | 6°17 | 7°37 | 8°27 | 11°51 | T 27 |
| F 28 | 12 39 55 | 11°52'04 | 5♓13 | 23°32 | 16°22 | 7° 6 | 4° 9 | 14°36 | 13°38 | 11° 7 | 11°13 | 6°10 | 7°33 | 8°34 | 11°54 | F 28 |
| S 29 | 12 43 52 | 12°50'40 | 19°50 | 23°25 | 17°33 | 7°43 | 4°23 | 14°32 | 13°38 | 11° 5 | 11°12 | 6° 2 | 7°30 | 8°41 | 11°57 | S 29 |
| S 30 | 12 47 48 | 13°49'14 | 4♈21 | 23°D23 | 18°44 | 8°20 | 4°37 | 14°28 | 13°37 | 11° 4 | 11°10 | 5°54 | 7°27 | 8°47 | 11°59 | S 30 |
| M31 | 12 51 45 | 14♈47'46 | 18♈38 | 23♓27 | 19♉56 | 8♊57 | 4♈52 | 14♍24 | 13♐36 | 11♏ 2 | 11♍ 9 | 5♊46 | 7♊24 | 8♌54 | 12♒ 2 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s50 | 12s 6 | 5s 0 | 3n44 | 2n38 | 5n 8 | 0s22 | 19n 8 | 1n11 | 1s59 | 1s 8 | 7n36 | 2n29 | 22s35 | 0s 2 | 13s37 | 1n52 | 22n 3 | 16n13 | 21n52 | 21n55 | 23n 9 | 12s 0 | 5n56 |
| S 2 | 5 26 | 6 2 | 4 47 | 4 9 | 2 48 | 5 39 | 0 19 | 19 18 | 1 11 | 1 53 | 1 8 | 7 38 | 2 29 | 22 36 | 0 2 | 13 36 | 1 52 | 22 3 | 16 14 | 21 50 | 21 55 | 23 8 | 11 59 | 5 57 |
| M 3 | 5 3 | 0n15 | 4 15 | 4 29 | 2 58 | 6 10 | 0 17 | 19 28 | 1 11 | 1 48 | 1 8 | 7 40 | 2 29 | 22 36 | 0 2 | 13 36 | 1 53 | 22 4 | 16 14 | 21 48 | 21 54 | 23 7 | 11 58 | 5 57 |
| T 4 | 4 40 | 6 21 | 3 28 | 4 46 | 3 6 | 6 41 | 0 14 | 19 38 | 1 11 | 1 42 | 1 8 | 7 42 | 2 29 | 22 36 | 0 2 | 13 36 | 1 53 | 22 5 | 16 14 | 21 47 | 21 54 | 23 5 | 11 56 | 5 57 |
| W 5 | 4 17 | 11 58 | 2 30 | 4 58 | 3 13 | 7 11 | 0 11 | 19 47 | 1 12 | 1 36 | 1 8 | 7 44 | 2 29 | 22 36 | 0 2 | 13 36 | 1 53 | 22 5 | 16 14 | 21 46 | 21 53 | 23 4 | 11 55 | 5 57 |
| T 6 | 3 53 | 16 50 | 1 26 | 5 7 | 3 19 | 7 42 | 0 8 | 19 57 | 1 12 | 1 30 | 1 8 | 7 46 | 2 29 | 22 36 | 0 2 | 13 35 | 1 53 | 22 6 | 16 13 | 21 45 | 21 53 | 23 3 | 11 54 | 5 58 |
| F 7 | 3 30 | 20 47 | 0 20 | 5 10 | 3 24 | 8 12 | 0 5 | 20 6 | 1 12 | 1 24 | 1 8 | 7 48 | 2 29 | 22 36 | 0 2 | 13 35 | 1 53 | 22 7 | 16 13 | 21 45 | 21 52 | 23 2 | 11 53 | 5 58 |
| S 8 | 3 6 | 23 40 | 0n46 | 5 10 | 3 27 | 8 42 | 0 2 | 20 16 | 1 12 | 1 19 | 1 8 | 7 49 | 2 29 | 22 36 | 0 2 | 13 35 | 1 53 | 22 7 | 16 13 | 21 45 | 21 52 | 23 0 | 11 52 | 5 58 |
| S 9 | 2 43 | 25 22 | 1 48 | 5 5 | 3 29 | 9 12 | 0n 1 | 20 25 | 1 13 | 1 13 | 1 8 | 7 51 | 2 29 | 22 36 | 0 2 | 13 34 | 1 53 | 22 8 | 16 13 | 21 45 | 21 51 | 22 59 | 11 50 | 5 58 |
| M10 | 2 19 | 25 52 | 2 45 | 4 56 | 3 29 | 9 42 | 0 4 | 20 34 | 1 13 | 1 7 | 1 8 | 7 53 | 2 29 | 22 36 | 0 2 | 13 34 | 1 53 | 22 8 | 16 13 | 21 45 | 21 51 | 22 58 | 11 49 | 5 58 |
| T 11 | 1 55 | 25 11 | 3 33 | 4 43 | 3 27 | 10 11 | 0 7 | 20 43 | 1 13 | 1 1 | 1 8 | 7 55 | 2 29 | 22 36 | 0 2 | 13 34 | 1 53 | 22 9 | 16 13 | 21 44 | 21 50 | 22 57 | 11 48 | 5 59 |
| W12 | 1 32 | 23 21 | 4 13 | 4 27 | 3 24 | 10 40 | 0 10 | 20 51 | 1 13 | 0 55 | 1 8 | 7 57 | 2 29 | 22 36 | 0 2 | 13 33 | 1 53 | 22 10 | 16 13 | 21 43 | 21 50 | 22 55 | 11 47 | 5 59 |
| T 13 | 1 8 | 20 31 | 4 41 | 4 7 | 3 19 | 11 9 | 0 13 | 21 0 | 1 14 | 0 50 | 1 8 | 7 59 | 2 29 | 22 36 | 0 2 | 13 33 | 1 53 | 22 10 | 16 13 | 21 42 | 21 49 | 22 54 | 11 46 | 5 59 |
| F 14 | 0 45 | 16 48 | 4 58 | 3 44 | 3 12 | 11 38 | 0 16 | 21 8 | 1 14 | 0 44 | 1 8 | 8 0 | 2 29 | 22 36 | 0 2 | 13 33 | 1 53 | 22 11 | 16 13 | 21 40 | 21 49 | 22 53 | 11 45 | 5 59 |
| S 15 | 0 21 | 12 22 | 5 1 | 3 18 | 3 3 | 12 7 | 0 19 | 21 17 | 1 14 | 0 38 | 1 8 | 8 2 | 2 29 | 22 36 | 0 2 | 13 32 | 1 53 | 22 11 | 16 13 | 21 38 | 21 48 | 22 51 | 11 44 | 6 0 |
| S 16 | 0n 3 | 7 23 | 4 51 | 2 51 | 2 54 | 12 35 | 0 22 | 21 25 | 1 14 | 0 32 | 1 8 | 8 4 | 2 29 | 22 36 | 0 2 | 13 32 | 1 53 | 22 12 | 16 13 | 21 36 | 21 48 | 22 50 | 11 43 | 6 0 |
| M17 | 0 26 | 2 3 | 4 26 | 2 21 | 2 42 | 13 3 | 0 25 | 21 33 | 1 14 | 0 26 | 1 8 | 8 5 | 2 29 | 22 36 | 0 2 | 13 31 | 1 53 | 22 12 | 16 13 | 21 34 | 21 47 | 22 49 | 11 41 | 6 0 |
| T 18 | 0 50 | 3s28 | 3 49 | 1 50 | 2 30 | 13 30 | 0 29 | 21 41 | 1 15 | 0 21 | 1 8 | 8 7 | 2 29 | 22 36 | 0 2 | 13 31 | 1 53 | 22 13 | 16 13 | 21 33 | 21 47 | 22 47 | 11 40 | 6 1 |
| W19 | 1 13 | 8 56 | 2 59 | 1 19 | 2 16 | 13 58 | 0 32 | 21 49 | 1 15 | 0 15 | 1 8 | 8 9 | 2 29 | 22 36 | 0 2 | 13 31 | 1 53 | 22 13 | 16 12 | 21 31 | 21 46 | 22 46 | 11 39 | 6 1 |
| T 20 | 1 37 | 14 7 | 1 59 | 0 48 | 2 1 | 14 25 | 0 35 | 21 56 | 1 15 | 0 9 | 1 8 | 8 10 | 2 29 | 22 36 | 0 2 | 13 30 | 1 53 | 22 13 | 16 12 | 21 30 | 21 46 | 22 45 | 11 38 | 6 1 |
| F 21 | 2 0 | 18 43 | 0 51 | 0 17 | 1 46 | 14 51 | 0 38 | 22 4 | 1 15 | 0 3 | 1 8 | 8 12 | 2 29 | 22 36 | 0 2 | 13 30 | 1 53 | 22 14 | 16 12 | 21 30 | 21 45 | 22 43 | 11 37 | 6 1 |
| S 22 | 2 24 | 22 26 | 0s20 | 0s14 | 1 30 | 15 17 | 0 41 | 22 11 | 1 15 | 0n 3 | 1 8 | 8 14 | 2 29 | 22 36 | 0 2 | 13 29 | 1 53 | 22 14 | 16 12 | 21 30 | 21 45 | 22 42 | 11 36 | 6 2 |
| S 23 | 2 47 | 24 57 | 1 32 | 0 43 | 1 14 | 15 43 | 0 44 | 22 18 | 1 15 | 0 8 | 1 8 | 8 15 | 2 29 | 22 36 | 0 2 | 13 29 | 1 53 | 22 15 | 16 12 | 21 30 | 21 44 | 22 41 | 11 35 | 6 2 |
| M24 | 3 10 | 26 0 | 2 39 | 1 10 | 0 58 | 16 9 | 0 47 | 22 25 | 1 16 | 0 14 | 1 8 | 8 17 | 2 29 | 22 36 | 0 2 | 13 28 | 1 53 | 22 15 | 16 12 | 21 30 | 21 44 | 22 39 | 11 34 | 6 2 |
| T 25 | 3 34 | 25 23 | 3 38 | 1 36 | 0 41 | 16 34 | 0 51 | 22 32 | 1 16 | 0 20 | 1 8 | 8 18 | 2 29 | 22 36 | 0 2 | 13 28 | 1 53 | 22 16 | 16 11 | 21 30 | 21 43 | 22 38 | 11 33 | 6 3 |
| W26 | 3 57 | 23 7 | 4 24 | 2 0 | 0 25 | 16 58 | 0 54 | 22 39 | 1 16 | 0 26 | 1 8 | 8 20 | 2 29 | 22 36 | 0 2 | 13 28 | 1 54 | 22 16 | 16 11 | 21 30 | 21 43 | 22 37 | 11 32 | 6 3 |
| T 27 | 4 20 | 19 21 | 4 54 | 2 21 | 0 9 | 17 23 | 0 57 | 22 46 | 1 16 | 0 31 | 1 8 | 8 21 | 2 29 | 22 36 | 0 2 | 13 27 | 1 54 | 22 16 | 16 11 | 21 29 | 21 42 | 22 35 | 11 31 | 6 3 |
| F 28 | 4 43 | 14 23 | 5 5 | 2 40 | 0s 6 | 17 47 | 1 0 | 22 52 | 1 16 | 0 37 | 1 8 | 8 23 | 2 29 | 22 36 | 0 2 | 13 27 | 1 54 | 22 17 | 16 11 | 21 28 | 21 42 | 22 34 | 11 30 | 6 3 |
| S 29 | 5 6 | 8 35 | 4 57 | 2 57 | 0 21 | 18 10 | 1 3 | 22 58 | 1 16 | 0 43 | 1 8 | 8 24 | 2 29 | 22 36 | 0 2 | 13 26 | 1 54 | 22 17 | 16 11 | 21 26 | 21 41 | 22 32 | 11 29 | 6 4 |
| S 30 | 5 29 | 2 22 | 4 29 | 3 11 | 0 36 | 18 33 | 1 6 | 23 4 | 1 16 | 0 48 | 1 8 | 8 26 | 2 28 | 22 35 | 0 2 | 13 26 | 1 54 | 22 17 | 16 10 | 21 25 | 21 40 | 22 31 | 11 28 | 6 4 |
| M31 | 5n52 | 3n52 | 3s45 | 3s23 | 0s50 | 18n56 | 1n 9 | 23n10 | 1n16 | 0n54 | 1s 8 | 8n27 | 2n28 | 22s35 | 0s 2 | 13s25 | 1n54 | 22n18 | 16n10 | 21n23 | 21n40 | 22n30 | 11s27 | 6n 4 |

Julian Day Number = 2078696.5, Delta T = 26m09s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'46, Lahiri = 9°37'46 Julian Calendar 1 March 979 == Greg. Calendar 6 March 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## APRIL 979 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 55 41 | 15♈46'17 | 2♉35 | 23♓35 | 21♉ 7 | 9♊34 | 5♈ 6 | 14°R20 | 13°R35 | 11°R 1 | 11°R 8 | 5°R40 | 7♊21 | 9♌ 1 | 12♒ 4 | T 1 |
| W 2 | 12 59 38 | 16°44'45 | 16°10 | 23°48 | 22°18 | 10°10 | 5°20 | 14♍17 | 13♐34 | 10♏59 | 11♍ 6 | 5♊36 | 7°17 | 9° 7 | 12° 7 | W 2 |
| T 3 | 13 3 34 | 17°43'12 | 29°20 | 24° 6 | 23°29 | 10°47 | 5°35 | 14°13 | 13°33 | 10°58 | 11° 5 | 5°34 | 7°14 | 9°14 | 12° 9 | T 3 |
| F 4 | 13 7 31 | 18°41'36 | 12♊ 8 | 24°29 | 24°40 | 11°24 | 5°49 | 14°10 | 13°32 | 10°57 | 11° 4 | 5°D34 | 7°11 | 9°21 | 12°11 | F 4 |
| S 5 | 13 11 27 | 19°39'58 | 24°35 | 24°56 | 25°51 | 12° 1 | 6° 3 | 14° 6 | 13°31 | 10°55 | 11° 3 | 5°36 | 7° 8 | 9°27 | 12°14 | S 5 |
| S 6 | 13 15 24 | 20°38'18 | 6♋46 | 25°27 | 27° 1 | 12°38 | 6°17 | 14° 3 | 13°30 | 10°54 | 11° 2 | 5°37 | 7° 5 | 9°34 | 12°16 | S 6 |
| M 7 | 13 19 21 | 21°36'36 | 18°45 | 26° 2 | 28°12 | 13°15 | 6°32 | 14° 0 | 13°29 | 10°52 | 11° 0 | 5°R38 | 7° 2 | 9°41 | 12°18 | M 7 |
| T 8 | 13 23 17 | 22°34'52 | 0♌38 | 26°41 | 29°22 | 13°52 | 6°46 | 13°57 | 13°28 | 10°51 | 10°59 | 5°37 | 6°58 | 9°48 | 12°20 | T 8 |
| W 9 | 13 27 14 | 23°33'06 | 12°30 | 27°24 | 0♊33 | 14°29 | 7° 0 | 13°54 | 13°26 | 10°49 | 10°58 | 5°35 | 6°55 | 9°54 | 12°22 | W 9 |
| T 10 | 13 31 10 | 24°31'18 | 24°25 | 28°10 | 1°43 | 15° 6 | 7°14 | 13°51 | 13°25 | 10°48 | 10°57 | 5°32 | 6°52 | 10° 1 | 12°24 | T 10 |
| F 11 | 13 35 7 | 25°29'27 | 6♍27 | 29° 0 | 2°53 | 15°43 | 7°28 | 13°48 | 13°24 | 10°46 | 10°56 | 5°26 | 6°49 | 10° 8 | 12°26 | F 11 |
| S 12 | 13 39 3 | 26°27'35 | 18°39 | 29°53 | 4° 4 | 16°20 | 7°42 | 13°45 | 13°22 | 10°44 | 10°55 | 5°20 | 6°46 | 10°14 | 12°28 | S 12 |
| S 13 | 13 43 0 | 27°25'41 | 1♎ 5 | 0♈49 | 5°14 | 16°57 | 7°56 | 13°42 | 13°21 | 10°43 | 10°54 | 5°13 | 6°42 | 10°21 | 12°30 | S 13 |
| M14 | 13 46 56 | 28°23'45 | 13°46 | 1°49 | 6°24 | 17°34 | 8°10 | 13°39 | 13°19 | 10°41 | 10°53 | 5° 7 | 6°39 | 10°28 | 12°32 | M14 |
| T 15 | 13 50 53 | 29°21'47 | 26°41 | 2°51 | 7°33 | 18°11 | 8°24 | 13°37 | 13°18 | 10°40 | 10°52 | 5° 2 | 6°36 | 10°35 | 12°33 | T 15 |
| W16 | 13 54 49 | 0♉19'47 | 9♏51 | 3°56 | 8°43 | 18°47 | 8°38 | 13°34 | 13°16 | 10°38 | 10°51 | 4°58 | 6°33 | 10°41 | 12°35 | W16 |
| T 17 | 13 58 46 | 1°17'46 | 23°15 | 5° 4 | 9°53 | 19°24 | 8°52 | 13°32 | 13°15 | 10°36 | 10°50 | 4°56 | 6°30 | 10°48 | 12°37 | T 17 |
| F 18 | 14 2 43 | 2°15'44 | 6♐50 | 6°14 | 11° 2 | 20° 1 | 9° 6 | 13°30 | 13°13 | 10°35 | 10°49 | 4°D55 | 6°27 | 10°55 | 12°38 | F 18 |
| S 19 | 14 6 39 | 3°13'40 | 20°36 | 7°27 | 12°12 | 20°38 | 9°20 | 13°27 | 13°12 | 10°33 | 10°48 | 4°56 | 6°23 | 11° 1 | 12°40 | S 19 |
| S 20 | 14 10 36 | 4°11'34 | 4♑31 | 8°43 | 13°21 | 21°15 | 9°34 | 13°25 | 13°10 | 10°32 | 10°48 | 4°57 | 6°20 | 11° 8 | 12°41 | S 20 |
| M21 | 14 14 32 | 5° 9'28 | 18°34 | 10° 1 | 14°30 | 21°52 | 9°47 | 13°23 | 13° 8 | 10°30 | 10°47 | 4°59 | 6°17 | 11°15 | 12°43 | M21 |
| T 22 | 14 18 29 | 6° 7'20 | 2♒43 | 11°21 | 15°39 | 22°29 | 10° 1 | 13°21 | 13° 6 | 10°28 | 10°46 | 4°R59 | 6°14 | 11°22 | 12°44 | T 22 |
| W23 | 14 22 25 | 7° 5'10 | 16°56 | 12°44 | 16°48 | 23° 6 | 10°15 | 13°19 | 13° 5 | 10°27 | 10°45 | 4°59 | 6°11 | 11°28 | 12°45 | W23 |
| T 24 | 14 26 22 | 8° 3'00 | 1♓11 | 14° 9 | 17°57 | 23°43 | 10°28 | 13°18 | 13° 3 | 10°25 | 10°45 | 4°58 | 6° 8 | 11°35 | 12°46 | T 24 |
| F 25 | 14 30 18 | 9° 0'48 | 15°26 | 15°36 | 19° 5 | 24°20 | 10°42 | 13°16 | 13° 1 | 10°24 | 10°44 | 4°55 | 6° 4 | 11°42 | 12°47 | F 25 |
| S 26 | 14 34 15 | 9°58'35 | 29°36 | 17° 5 | 20°14 | 24°58 | 10°55 | 13°14 | 12°59 | 10°22 | 10°43 | 4°52 | 6° 1 | 11°48 | 12°48 | S 26 |
| S 27 | 14 38 12 | 10°56'21 | 13♈38 | 18°37 | 21°22 | 25°35 | 11° 9 | 13°13 | 12°57 | 10°20 | 10°43 | 4°48 | 5°58 | 11°55 | 12°49 | S 27 |
| M28 | 14 42 8 | 11°54'05 | 27°29 | 20°11 | 22°31 | 26°12 | 11°22 | 13°12 | 12°55 | 10°19 | 10°42 | 4°45 | 5°55 | 12° 2 | 12°50 | M28 |
| T 29 | 14 46 5 | 12°51'49 | 11♉ 4 | 21°47 | 23°39 | 26°49 | 11°36 | 13°10 | 12°53 | 10°17 | 10°41 | 4°43 | 5°52 | 12° 8 | 12°51 | T 29 |
| W30 | 14 50 1 | 13♉49'30 | 24♉22 | 23♈26 | 24♊47 | 27♊26 | 11♈49 | 13♍ 9 | 12♐51 | 10♏15 | 10♍41 | 4♊41 | 5♊48 | 12♌15 | 12♒52 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n14 | 9n49 | 2s48 | 3s31 | 1s 3 | 19n18 | 1n12 | 23n16 | 1n17 | 1n 0 | 1s 8 | 8n28 | 2n28 | 22s35 | 0s 2 | 13s25 | 1n54 | 22n18 | 16n10 | 21n22 | 21n39 | 22n28 | 11s26 | 6n 5 |
| W 2 | 6 37 | 15 8 | 1 43 | 3 38 | 1 15 | 19 39 | 1 15 | 23 22 | 1 17 | 1 6 | 1 8 | 8 30 | 2 28 | 22 35 | 0 2 | 13 24 | 1 54 | 22 18 | 16 10 | 21 22 | 21 39 | 22 27 | 11 25 | 6 5 |
| T 3 | 6 59 | 19 34 | 0 34 | 3 41 | 1 27 | 20 0 | 1 18 | 23 27 | 1 17 | 1 11 | 1 8 | 8 31 | 2 28 | 22 35 | 0 2 | 13 24 | 1 54 | 22 18 | 16 9 | 21 21 | 21 38 | 22 25 | 11 24 | 6 5 |
| F 4 | 7 22 | 22 57 | 0n35 | 3 43 | 1 39 | 20 21 | 1 21 | 23 33 | 1 17 | 1 17 | 1 8 | 8 32 | 2 28 | 22 35 | 0 2 | 13 23 | 1 54 | 22 19 | 16 9 | 21 21 | 21 38 | 22 24 | 11 23 | 6 6 |
| S 5 | 7 44 | 25 8 | 1 41 | 3 42 | 1 49 | 20 41 | 1 24 | 23 38 | 1 17 | 1 23 | 1 8 | 8 33 | 2 28 | 22 35 | 0 2 | 13 23 | 1 54 | 22 19 | 16 9 | 21 21 | 21 37 | 22 22 | 11 22 | 6 6 |
| S 6 | 8 6 | 26 4 | 2 40 | 3 38 | 1 59 | 21 0 | 1 27 | 23 43 | 1 17 | 1 28 | 1 8 | 8 35 | 2 28 | 22 35 | 0 2 | 13 22 | 1 54 | 22 19 | 16 9 | 21 22 | 21 37 | 22 21 | 11 21 | 6 6 |
| M 7 | 8 28 | 25 45 | 3 32 | 3 32 | 2 8 | 21 19 | 1 29 | 23 47 | 1 17 | 1 34 | 1 8 | 8 36 | 2 28 | 22 35 | 0 2 | 13 22 | 1 54 | 22 19 | 16 8 | 21 22 | 21 36 | 22 20 | 11 20 | 6 7 |
| T 8 | 8 50 | 24 15 | 4 14 | 3 24 | 2 16 | 21 38 | 1 32 | 23 52 | 1 17 | 1 39 | 1 8 | 8 37 | 2 27 | 22 34 | 0 2 | 13 22 | 1 54 | 22 19 | 16 8 | 21 22 | 21 36 | 22 18 | 11 19 | 6 7 |
| W 9 | 9 12 | 21 42 | 4 45 | 3 14 | 2 23 | 21 56 | 1 35 | 23 57 | 1 17 | 1 45 | 1 8 | 8 38 | 2 27 | 22 34 | 0 2 | 13 21 | 1 54 | 22 20 | 16 8 | 21 21 | 21 35 | 22 17 | 11 18 | 6 8 |
| T 10 | 9 33 | 18 13 | 5 4 | 3 1 | 2 30 | 22 13 | 1 38 | 24 1 | 1 17 | 1 51 | 1 8 | 8 39 | 2 27 | 22 34 | 0 2 | 13 21 | 1 54 | 22 20 | 16 7 | 21 21 | 21 35 | 22 15 | 11 17 | 6 8 |
| F 11 | 9 55 | 13 59 | 5 9 | 2 47 | 2 36 | 22 30 | 1 40 | 24 5 | 1 17 | 1 56 | 1 8 | 8 40 | 2 27 | 22 34 | 0 2 | 13 20 | 1 54 | 22 20 | 16 7 | 21 20 | 21 34 | 22 14 | 11 16 | 6 8 |
| S 12 | 10 16 | 9 7 | 5 1 | 2 30 | 2 41 | 22 46 | 1 43 | 24 9 | 1 17 | 2 2 | 1 8 | 8 41 | 2 27 | 22 34 | 0 2 | 13 20 | 1 54 | 22 20 | 16 7 | 21 19 | 21 34 | 22 12 | 11 15 | 6 9 |
| S 13 | 10 37 | 3 49 | 4 39 | 2 12 | 2 46 | 23 1 | 1 46 | 24 13 | 1 18 | 2 7 | 1 8 | 8 42 | 2 27 | 22 34 | 0 2 | 13 19 | 1 54 | 22 20 | 16 6 | 21 17 | 21 33 | 22 11 | 11 15 | 6 9 |
| M14 | 10 58 | 1s44 | 4 2 | 1 52 | 2 49 | 23 16 | 1 48 | 24 16 | 1 18 | 2 13 | 1 9 | 8 43 | 2 27 | 22 34 | 0 2 | 13 19 | 1 54 | 22 20 | 16 6 | 21 16 | 21 32 | 22 9 | 11 14 | 6 9 |
| T 15 | 11 19 | 7 21 | 3 13 | 1 30 | 2 53 | 23 31 | 1 51 | 24 20 | 1 18 | 2 18 | 1 9 | 8 44 | 2 26 | 22 33 | 0 2 | 13 18 | 1 54 | 22 20 | 16 6 | 21 15 | 21 32 | 22 8 | 11 13 | 6 10 |
| W16 | 11 39 | 12 45 | 2 12 | 1 6 | 2 55 | 23 44 | 1 53 | 24 23 | 1 18 | 2 24 | 1 9 | 8 45 | 2 26 | 22 33 | 0 2 | 13 18 | 1 54 | 22 20 | 16 5 | 21 15 | 21 31 | 22 6 | 11 12 | 6 10 |
| T 17 | 11 59 | 17 40 | 1 3 | 0 41 | 2 57 | 23 57 | 1 55 | 24 26 | 1 18 | 2 29 | 1 9 | 8 45 | 2 26 | 22 33 | 0 2 | 13 17 | 1 54 | 22 20 | 16 5 | 21 14 | 21 31 | 22 5 | 11 11 | 6 10 |
| F 18 | 12 20 | 21 45 | 0s10 | 0 14 | 2 58 | 24 10 | 1 58 | 24 29 | 1 18 | 2 34 | 1 9 | 8 46 | 2 26 | 22 33 | 0 2 | 13 16 | 1 54 | 22 20 | 16 5 | 21 14 | 21 30 | 22 3 | 11 11 | 6 11 |
| S 19 | 12 39 | 24 39 | 1 25 | 0n15 | 2 59 | 24 22 | 2 0 | 24 32 | 1 18 | 2 40 | 1 9 | 8 47 | 2 26 | 22 33 | 0 2 | 13 16 | 1 54 | 22 20 | 16 4 | 21 14 | 21 30 | 22 2 | 11 10 | 6 11 |
| S 20 | 12 59 | 26 4 | 2 35 | 0 45 | 2 58 | 24 33 | 2 2 | 24 35 | 1 18 | 2 45 | 1 9 | 8 47 | 2 26 | 22 32 | 0 2 | 13 15 | 1 54 | 22 20 | 16 4 | 21 14 | 21 29 | 22 0 | 11 9 | 6 12 |
| M21 | 13 19 | 25 51 | 3 36 | 1 16 | 2 58 | 24 43 | 2 4 | 24 37 | 1 18 | 2 51 | 1 9 | 8 48 | 2 26 | 22 32 | 0 2 | 13 15 | 1 54 | 22 20 | 16 4 | 21 15 | 21 29 | 21 59 | 11 8 | 6 12 |
| T 22 | 13 38 | 23 58 | 4 25 | 1 49 | 2 56 | 24 53 | 2 6 | 24 39 | 1 18 | 2 56 | 1 9 | 8 49 | 2 25 | 22 32 | 0 2 | 13 14 | 1 54 | 22 20 | 16 3 | 21 15 | 21 28 | 21 57 | 11 8 | 6 12 |
| W23 | 13 57 | 20 34 | 4 58 | 2 23 | 2 54 | 25 2 | 2 8 | 24 41 | 1 18 | 3 1 | 1 9 | 8 49 | 2 25 | 22 32 | 0 2 | 13 14 | 1 54 | 22 20 | 16 3 | 21 15 | 21 28 | 21 55 | 11 7 | 6 13 |
| T 24 | 14 16 | 15 58 | 5 13 | 2 58 | 2 52 | 25 11 | 2 10 | 24 43 | 1 18 | 3 7 | 1 9 | 8 50 | 2 25 | 22 32 | 0 2 | 13 13 | 1 54 | 22 20 | 16 2 | 21 15 | 21 27 | 21 54 | 11 6 | 6 13 |
| F 25 | 14 35 | 10 30 | 5 8 | 3 35 | 2 48 | 25 19 | 2 12 | 24 45 | 1 18 | 3 12 | 1 9 | 8 50 | 2 25 | 22 31 | 0 2 | 13 13 | 1 54 | 22 20 | 16 2 | 21 14 | 21 26 | 21 52 | 11 5 | 6 13 |
| S 26 | 14 53 | 4 30 | 4 45 | 4 13 | 2 45 | 25 26 | 2 14 | 24 46 | 1 18 | 3 17 | 1 9 | 8 51 | 2 25 | 22 31 | 0 2 | 13 12 | 1 54 | 22 20 | 16 2 | 21 13 | 21 26 | 21 51 | 11 5 | 6 14 |
| S 27 | 15 11 | 1n39 | 4 4 | 4 52 | 2 40 | 25 33 | 2 15 | 24 48 | 1 18 | 3 22 | 1 9 | 8 51 | 2 24 | 22 31 | 0 2 | 13 12 | 1 54 | 22 20 | 16 1 | 21 13 | 21 25 | 21 49 | 11 4 | 6 14 |
| M28 | 15 29 | 7 40 | 3 10 | 5 32 | 2 35 | 25 38 | 2 17 | 24 49 | 1 18 | 3 27 | 1 9 | 8 52 | 2 24 | 22 31 | 0 2 | 13 11 | 1 54 | 22 20 | 16 1 | 21 12 | 21 25 | 21 48 | 11 4 | 6 15 |
| T 29 | 15 47 | 13 14 | 2 6 | 6 13 | 2 30 | 25 44 | 2 19 | 24 50 | 1 18 | 3 33 | 1 10 | 8 52 | 2 24 | 22 30 | 0 2 | 13 11 | 1 54 | 22 20 | 16 1 | 21 12 | 21 24 | 21 46 | 11 3 | 6 15 |
| W30 | 16n 5 | 18n 3 | 0s57 | 6n55 | 2s24 | 25n48 | 2n20 | 24n51 | 1n18 | 3n38 | 1s10 | 8n52 | 2n24 | 22s30 | 0s 2 | 13s10 | 1n54 | 22n19 | 16n 0 | 21n12 | 21n24 | 21n44 | 11s 2 | 6n15 |

Julian Day Number = 2078727.5, Delta T = 26m09s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'50, Lahiri = 9°37'51 Julian Calendar 1 Apr. 979 == Greg. Calendar 6 Apr. 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## MAY 979 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 53 58 | 14♉47'11 | 7♊21 | 25♈ 6 | 25♊55 | 28♊ 3 | 12♈ 2 | 13°R 8 | 12°R49 | 10°R14 | 10°R40 | 4°D41 | 5♊45 | 12♌22 | 12♒53 | T 1 |
| F 2 | 14 57 54 | 15°44'50 | 20° 2 | 26°49 | 27° 3 | 28°40 | 12°15 | 13♍ 7 | 12♐47 | 10♏12 | 10♍40 | 4♊42 | 5°42 | 12°29 | 12°54 | F 2 |
| S 3 | 15 1 51 | 16°42'28 | 2♋27 | 28°34 | 28°10 | 29°17 | 12°29 | 13° 6 | 12°45 | 10°11 | 10°39 | 4°43 | 5°39 | 12°35 | 12°54 | S 3 |
| S 4 | 15 5 47 | 17°40'04 | 14°38 | 0♉21 | 29°18 | 29°54 | 12°42 | 13° 5 | 12°43 | 10° 9 | 10°39 | 4°44 | 5°36 | 12°42 | 12°55 | S 4 |
| M 5 | 15 9 44 | 18°37'39 | 26°38 | 2°10 | 0♋25 | 0♋31 | 12°55 | 13° 5 | 12°41 | 10° 7 | 10°39 | 4°46 | 5°33 | 12°49 | 12°55 | M 5 |
| T 6 | 15 13 41 | 19°35'12 | 8♌32 | 4° 2 | 1°32 | 1° 8 | 13° 8 | 13° 4 | 12°38 | 10° 6 | 10°38 | 4°46 | 5°29 | 12°55 | 12°56 | T 6 |
| W 7 | 15 17 37 | 20°32'44 | 20°25 | 5°55 | 2°39 | 1°45 | 13°21 | 13° 4 | 12°36 | 10° 4 | 10°38 | 4°R47 | 5°26 | 13° 2 | 12°56 | W 7 |
| T 8 | 15 21 34 | 21°30'15 | 2♍21 | 7°51 | 3°46 | 2°23 | 13°33 | 13° 3 | 12°34 | 10° 3 | 10°38 | 4°46 | 5°23 | 13° 9 | 12°56 | T 8 |
| F 9 | 15 25 30 | 22°27'44 | 14°24 | 9°49 | 4°53 | 3° 0 | 13°46 | 13° 3 | 12°32 | 10° 1 | 10°37 | 4°46 | 5°20 | 13°16 | 12°57 | F 9 |
| S 10 | 15 29 27 | 23°25'11 | 26°39 | 11°48 | 5°59 | 3°37 | 13°59 | 13° 3 | 12°30 | 9°59 | 10°37 | 4°44 | 5°17 | 13°22 | 12°57 | S 10 |
| S 11 | 15 33 23 | 24°22'37 | 9♎10 | 13°50 | 7° 5 | 4°14 | 14°12 | 13°D 3 | 12°27 | 9°58 | 10°37 | 4°43 | 5°14 | 13°29 | 12°57 | S 11 |
| M12 | 15 37 20 | 25°20'03 | 21°58 | 15°54 | 8°11 | 4°51 | 14°24 | 13° 3 | 12°25 | 9°56 | 10°37 | 4°42 | 5°10 | 13°36 | 12°57 | M12 |
| T 13 | 15 41 16 | 26°17'27 | 5♏ 6 | 17°59 | 9°17 | 5°28 | 14°37 | 13° 3 | 12°23 | 9°55 | 10°37 | 4°41 | 5° 7 | 13°42 | 12°R57 | T 13 |
| W14 | 15 45 13 | 27°14'49 | 18°34 | 20° 6 | 10°23 | 6° 5 | 14°49 | 13° 3 | 12°20 | 9°53 | 10°36 | 4°40 | 5° 4 | 13°49 | 12°57 | W14 |
| T 15 | 15 49 10 | 28°12'11 | 2♐20 | 22°14 | 11°29 | 6°42 | 15° 2 | 13° 4 | 12°18 | 9°52 | 10°36 | 4°D40 | 5° 1 | 13°56 | 12°57 | T 15 |
| F 16 | 15 53 6 | 29° 9'33 | 16°21 | 24°23 | 12°34 | 7°20 | 15°14 | 13° 4 | 12°16 | 9°50 | 10°36 | 4°40 | 4°58 | 14° 3 | 12°57 | F 16 |
| S 17 | 15 57 3 | 0♊ 6'53 | 0♑34 | 26°34 | 13°39 | 7°57 | 15°26 | 13° 5 | 12°13 | 9°49 | 10°D36 | 4°40 | 4°54 | 14° 9 | 12°56 | S 17 |
| S 18 | 16 0 59 | 1° 4'13 | 14°55 | 28°45 | 14°44 | 8°34 | 15°38 | 13° 5 | 12°11 | 9°47 | 10°36 | 4°41 | 4°51 | 14°16 | 12°56 | S 18 |
| M19 | 16 4 56 | 2° 1'32 | 29°19 | 0♊57 | 15°49 | 9°11 | 15°50 | 13° 6 | 12° 9 | 9°46 | 10°36 | 4°41 | 4°48 | 14°23 | 12°56 | M19 |
| T 20 | 16 8 52 | 2°58'50 | 13♒42 | 3° 9 | 16°53 | 9°48 | 16° 2 | 13° 7 | 12° 6 | 9°44 | 10°37 | 4°41 | 4°45 | 14°29 | 12°55 | T 20 |
| W21 | 16 12 49 | 3°56'08 | 28° 0 | 5°21 | 17°57 | 10°26 | 16°14 | 13° 8 | 12° 4 | 9°43 | 10°37 | 4°41 | 4°42 | 14°36 | 12°55 | W21 |
| T 22 | 16 16 46 | 4°53'26 | 12♓10 | 7°32 | 19° 1 | 11° 3 | 16°26 | 13° 9 | 12° 1 | 9°41 | 10°37 | 4°41 | 4°39 | 14°43 | 12°54 | T 22 |
| F 23 | 16 20 42 | 5°50'43 | 26°11 | 9°43 | 20° 5 | 11°40 | 16°38 | 13°10 | 11°59 | 9°40 | 10°37 | 4°41 | 4°35 | 14°50 | 12°54 | F 23 |
| S 24 | 16 24 39 | 6°47'59 | 10♈ 0 | 11°53 | 21° 9 | 12°17 | 16°49 | 13°11 | 11°56 | 9°38 | 10°37 | 4°41 | 4°32 | 14°56 | 12°53 | S 24 |
| S 25 | 16 28 35 | 7°45'15 | 23°37 | 14° 3 | 22°12 | 12°54 | 17° 1 | 13°13 | 11°54 | 9°37 | 10°37 | 4°42 | 4°29 | 15° 3 | 12°52 | S 25 |
| M26 | 16 32 32 | 8°42'31 | 7♉ 1 | 16°10 | 23°15 | 13°32 | 17°13 | 13°14 | 11°52 | 9°36 | 10°38 | 4°42 | 4°26 | 15°10 | 12°52 | M26 |
| T 27 | 16 36 28 | 9°39'47 | 20°11 | 18°17 | 24°18 | 14° 9 | 17°24 | 13°16 | 11°49 | 9°34 | 10°38 | 4°42 | 4°23 | 15°16 | 12°51 | T 27 |
| W28 | 16 40 25 | 10°37'02 | 3♊ 7 | 20°21 | 25°20 | 14°46 | 17°35 | 13°17 | 11°47 | 9°33 | 10°38 | 4°R42 | 4°20 | 15°23 | 12°50 | W28 |
| T 29 | 16 44 21 | 11°34'17 | 15°49 | 22°24 | 26°22 | 15°23 | 17°46 | 13°19 | 11°44 | 9°32 | 10°39 | 4°42 | 4°16 | 15°30 | 12°49 | T 29 |
| F 30 | 16 48 18 | 12°31'31 | 28°18 | 24°25 | 27°24 | 16° 1 | 17°58 | 13°21 | 11°42 | 9°30 | 10°39 | 4°42 | 4°13 | 15°37 | 12°48 | F 30 |
| S 31 | 16 52 15 | 13♊28'44 | 10♋35 | 26♊25 | 28♋26 | 16♋38 | 18♈ 9 | 13♍23 | 11♐39 | 9♏29 | 10♍40 | 4♊41 | 4♊10 | 15♌43 | 12♒47 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 16n22 | 21n54 | 0n15 | 7n38 | 2s18 | 25n52 | 2n21 | 24n51 | 1n18 | 3n43 | 1s10 | 8n52 | 2n24 | 22s30 | 0s 2 | 13s10 | 1n54 | 22n19 | 16n 0 | 21n12 | 21n23 | 21n43 | 11s 2 | 6n16 | |
| F 2 | 16 39 | 24 35 | 1 24 | 8 22 | 2 11 | 25 55 | 2 23 | 24 52 | 1 18 | 3 48 | 1 10 | 8 53 | 2 24 | 22 30 | 0 2 | 13 9 | 1 54 | 22 19 | 15 59 | 21 12 | 21 23 | 21 41 | 11 1 | 6 16 | |
| S 3 | 16 55 | 26 0 | 2 27 | 9 6 | 2 3 | 25 57 | 2 24 | 24 52 | 1 18 | 3 53 | 1 10 | 8 53 | 2 23 | 22 29 | 0 2 | 13 9 | 1 54 | 22 19 | 15 59 | 21 12 | 21 22 | 21 40 | 11 1 | 6 17 | |
| S 4 | 17 12 | 26 7 | 3 23 | 9 52 | 1 55 | 25 59 | 2 25 | 24 52 | 1 18 | 3 58 | 1 10 | 8 53 | 2 23 | 22 29 | 0 2 | 13 8 | 1 54 | 22 19 | 15 58 | 21 12 | 21 21 | 21 38 | 11 0 | 6 17 | |
| M 5 | 17 28 | 25 1 | 4 9 | 10 37 | 1 47 | 26 0 | 2 26 | 24 52 | 1 18 | 4 3 | 1 10 | 8 53 | 2 23 | 22 29 | 0 2 | 13 8 | 1 54 | 22 18 | 15 58 | 21 12 | 21 21 | 21 36 | 11 0 | 6 17 | |
| T 6 | 17 44 | 22 47 | 4 44 | 11 24 | 1 38 | 26 0 | 2 27 | 24 52 | 1 18 | 4 8 | 1 10 | 8 53 | 2 23 | 22 29 | 0 2 | 13 7 | 1 54 | 22 18 | 15 58 | 21 13 | 21 20 | 21 35 | 10 59 | 6 18 | |
| W 7 | 17 59 | 19 36 | 5 6 | 12 10 | 1 29 | 26 0 | 2 27 | 24 51 | 1 18 | 4 13 | 1 10 | 8 53 | 2 23 | 22 28 | 0 2 | 13 7 | 1 54 | 22 18 | 15 57 | 21 13 | 21 20 | 21 33 | 10 59 | 6 18 | |
| T 8 | 18 14 | 15 36 | 5 16 | 12 57 | 1 19 | 25 59 | 2 28 | 24 51 | 1 18 | 4 18 | 1 10 | 8 53 | 2 22 | 22 28 | 0 2 | 13 6 | 1 54 | 22 18 | 15 57 | 21 13 | 21 19 | 21 31 | 10 58 | 6 18 | |
| F 9 | 18 29 | 10 57 | 5 12 | 13 44 | 1 10 | 25 57 | 2 29 | 24 50 | 1 18 | 4 23 | 1 10 | 8 53 | 2 22 | 22 28 | 0 2 | 13 6 | 1 54 | 22 17 | 15 56 | 21 12 | 21 19 | 21 30 | 10 58 | 6 19 | |
| S 10 | 18 44 | 5 49 | 4 53 | 14 31 | 0 59 | 25 55 | 2 29 | 24 49 | 1 18 | 4 28 | 1 11 | 8 53 | 2 22 | 22 27 | 0 2 | 13 5 | 1 54 | 22 17 | 15 56 | 21 12 | 21 18 | 21 28 | 10 57 | 6 19 | |
| S 11 | 18 58 | 0 21 | 4 21 | 15 18 | 0 49 | 25 52 | 2 29 | 24 48 | 1 18 | 4 33 | 1 11 | 8 53 | 2 22 | 22 27 | 0 2 | 13 5 | 1 54 | 22 17 | 15 55 | 21 12 | 21 17 | 21 26 | 10 57 | 6 20 | |
| M12 | 19 12 | 5s17 | 3 35 | 16 4 | 0 39 | 25 48 | 2 30 | 24 47 | 1 18 | 4 37 | 1 11 | 8 52 | 2 22 | 22 27 | 0 2 | 13 5 | 1 54 | 22 16 | 15 55 | 21 12 | 21 17 | 21 25 | 10 56 | 6 20 | |
| T 13 | 19 26 | 10 50 | 2 36 | 16 50 | 0 28 | 25 44 | 2 30 | 24 45 | 1 18 | 4 42 | 1 11 | 8 52 | 2 21 | 22 27 | 0 2 | 13 4 | 1 54 | 22 16 | 15 55 | 21 11 | 21 16 | 21 23 | 10 56 | 6 20 | |
| W14 | 19 39 | 16 2 | 1 28 | 17 35 | 0 17 | 25 39 | 2 30 | 24 43 | 1 18 | 4 47 | 1 11 | 8 52 | 2 21 | 22 26 | 0 2 | 13 4 | 1 54 | 22 16 | 15 54 | 21 11 | 21 16 | 21 21 | 10 56 | 6 21 | |
| T 15 | 19 52 | 20 32 | 0 13 | 18 20 | 0 6 | 25 34 | 2 30 | 24 41 | 1 17 | 4 51 | 1 11 | 8 52 | 2 21 | 22 26 | 0 2 | 13 3 | 1 54 | 22 15 | 15 54 | 21 11 | 21 15 | 21 20 | 10 55 | 6 21 | |
| F 16 | 20 5 | 23 56 | 1s 4 | 19 3 | 0n 4 | 25 27 | 2 29 | 24 39 | 1 17 | 4 56 | 1 11 | 8 51 | 2 21 | 22 26 | 0 2 | 13 3 | 1 54 | 22 15 | 15 53 | 21 11 | 21 15 | 21 18 | 10 55 | 6 22 | |
| S 17 | 20 17 | 25 53 | 2 19 | 19 44 | 0 15 | 25 20 | 2 29 | 24 37 | 1 17 | 5 1 | 1 11 | 8 51 | 2 21 | 22 25 | 0 2 | 13 2 | 1 54 | 22 14 | 15 53 | 21 11 | 21 14 | 21 16 | 10 55 | 6 22 | |
| S 18 | 20 29 | 26 8 | 3 25 | 20 24 | 0 25 | 25 13 | 2 29 | 24 35 | 1 17 | 5 5 | 1 11 | 8 50 | 2 20 | 22 25 | 0 2 | 13 2 | 1 54 | 22 14 | 15 52 | 21 11 | 21 13 | 21 15 | 10 54 | 6 22 | |
| M19 | 20 41 | 24 37 | 4 19 | 21 2 | 0 35 | 25 5 | 2 28 | 24 32 | 1 17 | 5 10 | 1 12 | 8 50 | 2 20 | 22 25 | 0 2 | 13 1 | 1 54 | 22 14 | 15 52 | 21 12 | 21 13 | 21 13 | 10 54 | 6 23 | |
| T 20 | 20 52 | 21 31 | 4 56 | 21 38 | 0 45 | 24 56 | 2 27 | 24 29 | 1 17 | 5 14 | 1 12 | 8 49 | 2 20 | 22 24 | 0 2 | 13 1 | 1 54 | 22 13 | 15 51 | 21 12 | 21 12 | 21 11 | 10 54 | 6 23 | |
| W21 | 21 3 | 17 9 | 5 15 | 22 12 | 0 54 | 24 47 | 2 27 | 24 27 | 1 17 | 5 19 | 1 12 | 8 49 | 2 20 | 22 24 | 0 2 | 13 0 | 1 54 | 22 13 | 15 51 | 21 12 | 21 12 | 21 10 | 10 54 | 6 23 | |
| T 22 | 21 14 | 11 52 | 5 14 | 22 44 | 1 3 | 24 37 | 2 26 | 24 23 | 1 17 | 5 23 | 1 12 | 8 48 | 2 20 | 22 24 | 0 2 | 13 0 | 1 54 | 22 12 | 15 50 | 21 12 | 21 11 | 21 8 | 10 54 | 6 24 | |
| F 23 | 21 24 | 6 2 | 4 55 | 23 13 | 1 12 | 24 26 | 2 24 | 24 20 | 1 17 | 5 28 | 1 12 | 8 48 | 2 19 | 22 24 | 0 2 | 13 0 | 1 54 | 22 12 | 15 50 | 21 12 | 21 11 | 21 6 | 10 53 | 6 24 | |
| S 24 | 21 34 | 0n 1 | 4 19 | 23 39 | 1 19 | 24 15 | 2 23 | 24 17 | 1 17 | 5 32 | 1 12 | 8 47 | 2 19 | 22 23 | 0 2 | 12 59 | 1 54 | 22 11 | 15 50 | 21 12 | 21 10 | 21 4 | 10 53 | 6 25 | |
| S 25 | 21 43 | 5 59 | 3 29 | 24 3 | 1 27 | 24 4 | 2 22 | 24 13 | 1 17 | 5 36 | 1 12 | 8 46 | 2 19 | 22 23 | 0 2 | 12 59 | 1 54 | 22 11 | 15 49 | 21 12 | 21 9 | 21 3 | 10 53 | 6 25 | |
| M26 | 21 53 | 11 36 | 2 28 | 24 24 | 1 33 | 23 52 | 2 20 | 24 9 | 1 17 | 5 41 | 1 13 | 8 45 | 2 19 | 22 23 | 0 2 | 12 58 | 1 54 | 22 10 | 15 49 | 21 12 | 21 9 | 21 1 | 10 53 | 6 25 | |
| T 27 | 22 1 | 16 36 | 1 20 | 24 42 | 1 39 | 23 39 | 2 19 | 24 5 | 1 17 | 5 45 | 1 13 | 8 45 | 2 19 | 22 22 | 0 2 | 12 58 | 1 53 | 22 10 | 15 48 | 21 12 | 21 8 | 20 59 | 10 53 | 6 26 | |
| W28 | 22 10 | 20 45 | 0 9 | 24 57 | 1 44 | 23 26 | 2 17 | 24 1 | 1 17 | 5 49 | 1 13 | 8 44 | 2 18 | 22 22 | 0 2 | 12 58 | 1 53 | 22 9 | 15 48 | 21 12 | 21 8 | 20 57 | 10 53 | 6 26 | |
| T 29 | 22 18 | 23 50 | 1n 1 | 25 10 | 1 48 | 23 12 | 2 15 | 23 57 | 1 16 | 5 53 | 1 13 | 8 43 | 2 18 | 22 22 | 0 2 | 12 57 | 1 53 | 22 9 | 15 47 | 21 12 | 21 7 | 20 56 | 10 53 | 6 26 | |
| F 30 | 22 25 | 25 41 | 2 7 | 25 19 | 1 52 | 22 58 | 2 13 | 23 52 | 1 16 | 5 57 | 1 13 | 8 42 | 2 18 | 22 21 | 0 2 | 12 57 | 1 53 | 22 8 | 15 47 | 21 12 | 21 6 | 20 54 | 10 53 | 6 27 | |
| S 31 | 22n33 | 26n14 | 3n 6 | 25n26 | 1n55 | 22n43 | 2n11 | 23n48 | 1n16 | 6n 2 | 1s13 | 8n41 | 2n18 | 22s21 | 0s 3 | 12s56 | 1n53 | 22n 7 | 15n46 | 21n12 | 21n 6 | 20n52 | 10s52 | 6n27 | |

Julian Day Number = 2078757.5, Delta T = 26m08s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'54, Lahiri = 9°37'55 Julian Calendar 1 May 979 == Greg. Calendar 6 May 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## JUNE 979 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 56 11 | 14♊25'58 | 22♋41 | 28♊22 | 29♋27 | 17♋15 | 18♈20 | 13♍25 | 11°R37 | 9°R28 | 10♍40 | 4°R40 | 4♊ 7 | 15♌50 | 12°R46 | S 1 |
| M 2 | 17 0 8 | 15°23'10 | 4♌40 | 0♋17 | 0♌28 | 17°53 | 18°30 | 13°27 | 11♐34 | 9♏27 | 10°41 | 4♊38 | 4° 4 | 15°57 | 12♒44 | M 2 |
| T 3 | 17 4 4 | 16°20'22 | 16°34 | 2°10 | 1°29 | 18°30 | 18°41 | 13°29 | 11°32 | 9°25 | 10°41 | 4°37 | 4° 0 | 16° 4 | 12°43 | T 3 |
| W 4 | 17 8 1 | 17°17'33 | 28°26 | 4° 0 | 2°29 | 19° 7 | 18°52 | 13°32 | 11°30 | 9°24 | 10°42 | 4°36 | 3°57 | 16°10 | 12°42 | W 4 |
| T 5 | 17 11 57 | 18°14'44 | 10♍21 | 5°49 | 3°29 | 19°45 | 19° 2 | 13°34 | 11°27 | 9°23 | 10°42 | 4°35 | 3°54 | 16°17 | 12°41 | T 5 |
| F 6 | 17 15 54 | 19°11'54 | 22°23 | 7°35 | 4°29 | 20°22 | 19°13 | 13°36 | 11°25 | 9°22 | 10°43 | 4°D35 | 3°51 | 16°24 | 12°39 | F 6 |
| S 7 | 17 19 50 | 20° 9'04 | 4♎37 | 9°19 | 5°28 | 20°59 | 19°23 | 13°39 | 11°22 | 9°21 | 10°43 | 4°35 | 3°48 | 16°30 | 12°38 | S 7 |
| S 8 | 17 23 47 | 21° 6'13 | 17° 7 | 11° 1 | 6°27 | 21°37 | 19°33 | 13°42 | 11°20 | 9°19 | 10°44 | 4°36 | 3°45 | 16°37 | 12°36 | S 8 |
| M 9 | 17 27 44 | 22° 3'22 | 29°57 | 12°41 | 7°26 | 22°14 | 19°43 | 13°45 | 11°17 | 9°18 | 10°45 | 4°37 | 3°41 | 16°44 | 12°35 | M 9 |
| T 10 | 17 31 40 | 23° 0'31 | 13♏10 | 14°18 | 8°24 | 22°51 | 19°53 | 13°47 | 11°15 | 9°17 | 10°46 | 4°39 | 3°38 | 16°51 | 12°33 | T 10 |
| W11 | 17 35 37 | 23°57'39 | 26°47 | 15°53 | 9°22 | 23°29 | 20° 3 | 13°50 | 11°13 | 9°16 | 10°46 | 4°40 | 3°35 | 16°57 | 12°31 | W11 |
| T 12 | 17 39 33 | 24°54'47 | 10♐48 | 17°26 | 10°19 | 24° 6 | 20°13 | 13°53 | 11°10 | 9°15 | 10°47 | 4°R40 | 3°32 | 17° 4 | 12°29 | T 12 |
| F 13 | 17 43 30 | 25°51'56 | 25°10 | 18°57 | 11°16 | 24°44 | 20°23 | 13°57 | 11° 8 | 9°14 | 10°48 | 4°39 | 3°29 | 17°11 | 12°28 | F 13 |
| S 14 | 17 47 26 | 26°49'04 | 9♑49 | 20°25 | 12°12 | 25°21 | 20°32 | 14° 0 | 11° 6 | 9°13 | 10°49 | 4°37 | 3°26 | 17°17 | 12°26 | S 14 |
| S 15 | 17 51 23 | 27°46'12 | 24°36 | 21°51 | 13° 8 | 25°58 | 20°42 | 14° 3 | 11° 3 | 9°12 | 10°50 | 4°34 | 3°22 | 17°24 | 12°24 | S 15 |
| M16 | 17 55 19 | 28°43'21 | 9♒26 | 23°15 | 14° 3 | 26°36 | 20°51 | 14° 7 | 11° 1 | 9°11 | 10°51 | 4°31 | 3°19 | 17°31 | 12°22 | M16 |
| T 17 | 17 59 16 | 29°40'29 | 24°10 | 24°36 | 14°58 | 27°13 | 21° 0 | 14°10 | 10°59 | 9°10 | 10°52 | 4°28 | 3°16 | 17°38 | 12°20 | T 17 |
| W18 | 18 3 13 | 0♋37'38 | 8♓42 | 25°55 | 15°52 | 27°51 | 21° 9 | 14°14 | 10°56 | 9°10 | 10°53 | 4°26 | 3°13 | 17°44 | 12°18 | W18 |
| T 19 | 18 7 9 | 1°34'48 | 22°57 | 27°12 | 16°46 | 28°28 | 21°18 | 14°17 | 10°54 | 9° 9 | 10°54 | 4°24 | 3°10 | 17°51 | 12°16 | T 19 |
| F 20 | 18 11 6 | 2°31'58 | 6♈55 | 28°26 | 17°39 | 29° 6 | 21°27 | 14°21 | 10°52 | 9° 8 | 10°55 | 4°D24 | 3° 6 | 17°58 | 12°14 | F 20 |
| S 21 | 18 15 2 | 3°29'08 | 20°33 | 29°37 | 18°32 | 29°43 | 21°36 | 14°25 | 10°50 | 9° 7 | 10°56 | 4°25 | 3° 3 | 18° 4 | 12°12 | S 21 |
| S 22 | 18 18 59 | 4°26'19 | 3♉53 | 0♌46 | 19°24 | 0♌21 | 21°44 | 14°29 | 10°48 | 9° 6 | 10°57 | 4°26 | 3° 0 | 18°11 | 12° 9 | S 22 |
| M23 | 18 22 55 | 5°23'31 | 16°56 | 1°52 | 20°15 | 0°58 | 21°52 | 14°33 | 10°45 | 9° 6 | 10°58 | 4°28 | 2°57 | 18°18 | 12° 7 | M23 |
| T 24 | 18 26 52 | 6°20'44 | 29°45 | 2°55 | 21° 6 | 1°36 | 22° 1 | 14°37 | 10°43 | 9° 5 | 10°59 | 4°R29 | 2°54 | 18°25 | 12° 5 | T 24 |
| W25 | 18 30 48 | 7°17'56 | 12♊21 | 3°56 | 21°56 | 2°13 | 22° 9 | 14°41 | 10°41 | 9° 4 | 11° 0 | 4°29 | 2°51 | 18°31 | 12° 3 | W25 |
| T 26 | 18 34 45 | 8°15'10 | 24°46 | 4°53 | 22°45 | 2°51 | 22°17 | 14°45 | 10°39 | 9° 4 | 11° 2 | 4°27 | 2°47 | 18°38 | 12° 0 | T 26 |
| F 27 | 18 38 42 | 9°12'24 | 7♋ 1 | 5°47 | 23°34 | 3°29 | 22°25 | 14°50 | 10°37 | 9° 3 | 11° 3 | 4°23 | 2°44 | 18°45 | 11°58 | F 27 |
| S 28 | 18 42 38 | 10° 9'38 | 19° 8 | 6°38 | 24°22 | 4° 6 | 22°32 | 14°54 | 10°35 | 9° 2 | 11° 4 | 4°18 | 2°41 | 18°52 | 11°55 | S 28 |
| S 29 | 18 46 35 | 11° 6'53 | 1♌ 8 | 7°26 | 25° 9 | 4°44 | 22°40 | 14°58 | 10°33 | 9° 2 | 11° 6 | 4°12 | 2°38 | 18°58 | 11°53 | S 29 |
| M30 | 18 50 31 | 12♋ 4'08 | 13♌ 4 | 8♌10 | 25♌55 | 5♌21 | 22♈47 | 15♍ 3 | 10♐31 | 9♏ 1 | 11♍ 7 | 4♊ 5 | 2♊35 | 19♌ 5 | 11♒50 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n40 | 25n31 | 3n55 | 25n31 | 1n57 | 22n28 | 2n 8 | 23n43 | 1n16 | 6n 6 | 1s13 | 8n40 | 2n18 | 22s21 | 0s 3 | 12s56 | 1n53 | 22n 7 | 15n46 | 21n11 | 21n 5 | 20n50 | 10s52 | 6n27 |
| M 2 | 22 46 | 23 38 | 4 34 | 25 33 | 1 59 | 22 13 | 2 6 | 23 38 | 1 16 | 6 10 | 1 14 | 8 39 | 2 17 | 22 20 | 0 3 | 12 56 | 1 53 | 22 6 | 15 45 | 21 11 | 21 5 | 20 48 | 10 52 | 6 28 |
| T 3 | 22 52 | 20 44 | 5 0 | 25 33 | 2 0 | 21 56 | 2 3 | 23 32 | 1 16 | 6 14 | 1 14 | 8 38 | 2 17 | 22 20 | 0 3 | 12 55 | 1 53 | 22 6 | 15 45 | 21 11 | 21 4 | 20 47 | 10 52 | 6 28 |
| W 4 | 22 58 | 16 59 | 5 14 | 25 30 | 2 0 | 21 40 | 2 0 | 23 27 | 1 16 | 6 17 | 1 14 | 8 37 | 2 17 | 22 20 | 0 3 | 12 55 | 1 53 | 22 5 | 15 45 | 21 11 | 21 3 | 20 45 | 10 53 | 6 29 |
| T 5 | 23 3 | 12 34 | 5 14 | 25 26 | 1 59 | 21 23 | 1 57 | 23 22 | 1 16 | 6 21 | 1 14 | 8 36 | 2 17 | 22 19 | 0 3 | 12 55 | 1 53 | 22 4 | 15 44 | 21 10 | 21 3 | 20 43 | 10 53 | 6 29 |
| F 6 | 23 8 | 7 38 | 5 1 | 25 19 | 1 58 | 21 6 | 1 54 | 23 16 | 1 16 | 6 25 | 1 14 | 8 35 | 2 17 | 22 19 | 0 3 | 12 54 | 1 53 | 22 4 | 15 44 | 21 10 | 21 2 | 20 41 | 10 53 | 6 29 |
| S 7 | 23 12 | 2 20 | 4 34 | 25 10 | 1 56 | 20 48 | 1 51 | 23 10 | 1 16 | 6 29 | 1 14 | 8 34 | 2 16 | 22 19 | 0 3 | 12 54 | 1 53 | 22 3 | 15 43 | 21 10 | 21 2 | 20 39 | 10 53 | 6 30 |
| S 8 | 23 16 | 3s10 | 3 53 | 24 59 | 1 53 | 20 30 | 1 48 | 23 4 | 1 15 | 6 33 | 1 15 | 8 32 | 2 16 | 22 18 | 0 3 | 12 54 | 1 53 | 22 2 | 15 43 | 21 11 | 21 1 | 20 38 | 10 53 | 6 30 |
| M 9 | 23 20 | 8 43 | 3 0 | 24 47 | 1 50 | 20 11 | 1 44 | 22 58 | 1 15 | 6 36 | 1 15 | 8 31 | 2 16 | 22 18 | 0 3 | 12 53 | 1 53 | 22 2 | 15 42 | 21 11 | 21 0 | 20 36 | 10 53 | 6 30 |
| T 10 | 23 23 | 14 2 | 1 56 | 24 33 | 1 46 | 19 53 | 1 40 | 22 52 | 1 15 | 6 40 | 1 15 | 8 30 | 2 16 | 22 18 | 0 3 | 12 53 | 1 53 | 22 1 | 15 42 | 21 11 | 21 0 | 20 34 | 10 53 | 6 30 |
| W11 | 23 26 | 18 51 | 0 43 | 24 18 | 1 41 | 19 33 | 1 36 | 22 45 | 1 15 | 6 43 | 1 15 | 8 28 | 2 16 | 22 17 | 0 3 | 12 53 | 1 53 | 22 0 | 15 41 | 21 11 | 20 59 | 20 32 | 10 53 | 6 31 |
| T 12 | 23 28 | 22 45 | 0s34 | 24 1 | 1 36 | 19 14 | 1 32 | 22 38 | 1 15 | 6 47 | 1 15 | 8 27 | 2 15 | 22 17 | 0 3 | 12 53 | 1 53 | 21 59 | 15 41 | 21 11 | 20 59 | 20 30 | 10 53 | 6 31 |
| F 13 | 23 30 | 25 19 | 1 51 | 23 43 | 1 31 | 18 54 | 1 28 | 22 32 | 1 15 | 6 50 | 1 15 | 8 26 | 2 15 | 22 17 | 0 3 | 12 52 | 1 53 | 21 59 | 15 41 | 21 11 | 20 58 | 20 28 | 10 54 | 6 31 |
| S 14 | 23 32 | 26 13 | 3 1 | 23 24 | 1 25 | 18 34 | 1 23 | 22 25 | 1 15 | 6 54 | 1 16 | 8 24 | 2 15 | 22 16 | 0 3 | 12 52 | 1 53 | 21 58 | 15 40 | 21 11 | 20 57 | 20 26 | 10 54 | 6 32 |
| S 15 | 23 33 | 25 16 | 4 1 | 23 4 | 1 18 | 18 14 | 1 19 | 22 17 | 1 14 | 6 57 | 1 16 | 8 23 | 2 15 | 22 16 | 0 3 | 12 52 | 1 53 | 21 57 | 15 40 | 21 10 | 20 57 | 20 25 | 10 54 | 6 32 |
| M16 | 23 34 | 22 33 | 4 44 | 22 43 | 1 11 | 17 53 | 1 14 | 22 10 | 1 14 | 7 1 | 1 16 | 8 21 | 2 15 | 22 16 | 0 3 | 12 52 | 1 53 | 21 57 | 15 39 | 21 10 | 20 56 | 20 23 | 10 54 | 6 32 |
| T 17 | 23 34 | 18 23 | 5 9 | 22 21 | 1 3 | 17 32 | 1 9 | 22 3 | 1 14 | 7 4 | 1 16 | 8 20 | 2 15 | 22 16 | 0 3 | 12 51 | 1 53 | 21 56 | 15 39 | 21 9 | 20 56 | 20 21 | 10 55 | 6 33 |
| W18 | 23 34 | 13 11 | 5 13 | 21 58 | 0 54 | 17 11 | 1 4 | 21 55 | 1 14 | 7 7 | 1 16 | 8 18 | 2 14 | 22 15 | 0 3 | 12 51 | 1 53 | 21 55 | 15 38 | 21 9 | 20 55 | 20 19 | 10 55 | 6 33 |
| T 19 | 23 34 | 7 21 | 4 57 | 21 35 | 0 46 | 16 50 | 0 58 | 21 47 | 1 14 | 7 10 | 1 17 | 8 17 | 2 14 | 22 15 | 0 3 | 12 51 | 1 52 | 21 54 | 15 38 | 21 8 | 20 54 | 20 17 | 10 55 | 6 33 |
| F 20 | 23 33 | 1 17 | 4 25 | 21 11 | 0 36 | 16 28 | 0 53 | 21 39 | 1 14 | 7 13 | 1 17 | 8 15 | 2 14 | 22 15 | 0 3 | 12 51 | 1 52 | 21 53 | 15 38 | 21 8 | 20 54 | 20 15 | 10 55 | 6 33 |
| S 21 | 23 32 | 4n43 | 3 38 | 20 47 | 0 27 | 16 6 | 0 47 | 21 31 | 1 14 | 7 16 | 1 17 | 8 13 | 2 14 | 22 14 | 0 3 | 12 50 | 1 52 | 21 53 | 15 37 | 21 9 | 20 53 | 20 13 | 10 56 | 6 34 |
| S 22 | 23 30 | 10 23 | 2 40 | 20 22 | 0 17 | 15 44 | 0 41 | 21 23 | 1 13 | 7 20 | 1 17 | 8 12 | 2 14 | 22 14 | 0 3 | 12 50 | 1 52 | 21 52 | 15 37 | 21 9 | 20 52 | 20 11 | 10 56 | 6 34 |
| M23 | 23 28 | 15 29 | 1 34 | 19 57 | 0 6 | 15 22 | 0 35 | 21 15 | 1 13 | 7 22 | 1 17 | 8 10 | 2 13 | 22 14 | 0 3 | 12 50 | 1 52 | 21 51 | 15 36 | 21 9 | 20 52 | 20 9 | 10 57 | 6 34 |
| T 24 | 23 25 | 19 47 | 0 26 | 19 32 | 0s 5 | 15 0 | 0 29 | 21 6 | 1 13 | 7 25 | 1 17 | 8 8 | 2 13 | 22 13 | 0 3 | 12 50 | 1 52 | 21 50 | 15 36 | 21 9 | 20 51 | 20 7 | 10 57 | 6 34 |
| W25 | 23 22 | 23 7 | 0n43 | 19 7 | 0 16 | 14 38 | 0 22 | 20 58 | 1 13 | 7 28 | 1 18 | 8 7 | 2 13 | 22 13 | 0 3 | 12 50 | 1 52 | 21 49 | 15 36 | 21 9 | 20 51 | 20 6 | 10 57 | 6 35 |
| T 26 | 23 19 | 25 16 | 1 48 | 18 42 | 0 28 | 14 15 | 0 16 | 20 49 | 1 13 | 7 31 | 1 18 | 8 5 | 2 13 | 22 13 | 0 3 | 12 50 | 1 52 | 21 49 | 15 35 | 21 9 | 20 50 | 20 4 | 10 58 | 6 35 |
| F 27 | 23 15 | 26 11 | 2 48 | 18 17 | 0 40 | 13 53 | 0 9 | 20 40 | 1 13 | 7 34 | 1 18 | 8 3 | 2 13 | 22 13 | 0 3 | 12 49 | 1 52 | 21 48 | 15 35 | 21 8 | 20 49 | 20 2 | 10 58 | 6 35 |
| S 28 | 23 11 | 25 49 | 3 39 | 17 53 | 0 52 | 13 30 | 0 2 | 20 31 | 1 12 | 7 36 | 1 18 | 8 1 | 2 13 | 22 12 | 0 3 | 12 49 | 1 52 | 21 47 | 15 34 | 21 7 | 20 49 | 20 0 | 10 59 | 6 35 |
| S 29 | 23 6 | 24 14 | 4 20 | 17 29 | 1 4 | 13 7 | 0s 5 | 20 21 | 1 12 | 7 39 | 1 19 | 7 59 | 2 13 | 22 12 | 0 3 | 12 49 | 1 52 | 21 46 | 15 34 | 21 6 | 20 48 | 19 58 | 10 59 | 6 36 |
| M30 | 23n 1 | 21n36 | 4n49 | 17n 5 | 1s17 | 12n45 | 0s13 | 20n12 | 1n12 | 7n42 | 1s19 | 7n57 | 2n12 | 22s12 | 0s 3 | 12s49 | 1n52 | 21n45 | 15n34 | 21n 5 | 20n48 | 19n56 | 11s 0 | 6n36 |

Julian Day Number = 2078788.5, Delta T = 26m08s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°30'58, Lahiri = 9°37'59 Julian Calendar 1 June 979 == Greg. Calendar 6 June 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## JULY 979 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 54 28 | 13♋ 1'24 | 24♌55 | 8♌51 | 26♌41 | 5♌59 | 22♈55 | 15♍ 8 | 10°R29 | 9°R 1 | 11♍ 8 | 3°R59 | 2♊32 | 19♌12 | 11°R48 | T 1 |
| W 2 | 18 58 24 | 13°58'40 | 6♍47 | 9°27 | 27°26 | 6°37 | 23° 2 | 15°12 | 10♐27 | 9♏ 0 | 11°10 | 3♊53 | 2°28 | 19°18 | 11♒45 | W 2 |
| T 3 | 19 2 21 | 14°55'56 | 18°41 | 10° 0 | 28° 9 | 7°14 | 23° 9 | 15°17 | 10°25 | 9° 0 | 11°11 | 3°48 | 2°25 | 19°25 | 11°43 | T 3 |
| F 4 | 19 6 18 | 15°53'13 | 0♎41 | 10°29 | 28°52 | 7°52 | 23°16 | 15°22 | 10°23 | 8°59 | 11°12 | 3°45 | 2°22 | 19°32 | 11°40 | F 4 |
| S 5 | 19 10 14 | 16°50'30 | 12°53 | 10°53 | 29°34 | 8°30 | 23°22 | 15°27 | 10°22 | 8°59 | 11°14 | 3°D44 | 2°19 | 19°39 | 11°37 | S 5 |
| S 6 | 19 14 11 | 17°47'48 | 25°19 | 11°13 | 0♍15 | 9° 8 | 23°29 | 15°32 | 10°20 | 8°59 | 11°15 | 3°44 | 2°16 | 19°45 | 11°35 | S 6 |
| M 7 | 19 18 7 | 18°45'06 | 8♏ 5 | 11°28 | 0°54 | 9°45 | 23°35 | 15°37 | 10°18 | 8°58 | 11°17 | 3°45 | 2°12 | 19°52 | 11°32 | M 7 |
| T 8 | 19 22 4 | 19°42'25 | 21°16 | 11°39 | 1°33 | 10°23 | 23°41 | 15°42 | 10°16 | 8°58 | 11°18 | 3°46 | 2° 9 | 19°59 | 11°29 | T 8 |
| W 9 | 19 26 0 | 20°39'45 | 4♐53 | 11°44 | 2°11 | 11° 1 | 23°47 | 15°47 | 10°15 | 8°58 | 11°20 | 3°R47 | 2° 6 | 20° 5 | 11°26 | W 9 |
| T 10 | 19 29 57 | 21°37'05 | 18°58 | 11°R44 | 2°47 | 11°39 | 23°53 | 15°52 | 10°13 | 8°58 | 11°21 | 3°46 | 2° 3 | 20°12 | 11°23 | T 10 |
| F 11 | 19 33 53 | 22°34'26 | 3♑29 | 11°40 | 3°22 | 12°16 | 23°59 | 15°58 | 10°12 | 8°57 | 11°23 | 3°43 | 2° 0 | 20°19 | 11°21 | F 11 |
| S 12 | 19 37 50 | 23°31'47 | 18°22 | 11°30 | 3°56 | 12°54 | 24° 5 | 16° 3 | 10°10 | 8°57 | 11°25 | 3°38 | 1°57 | 20°26 | 11°18 | S 12 |
| S 13 | 19 41 47 | 24°29'10 | 3♒30 | 11°15 | 4°28 | 13°32 | 24°10 | 16° 8 | 10° 8 | 8°57 | 11°26 | 3°31 | 1°53 | 20°32 | 11°15 | S 13 |
| M14 | 19 45 43 | 25°26'33 | 18°41 | 10°55 | 4°59 | 14°10 | 24°15 | 16°14 | 10° 7 | 8°57 | 11°28 | 3°23 | 1°50 | 20°39 | 11°12 | M14 |
| T 15 | 19 49 40 | 26°23'58 | 3♓46 | 10°29 | 5°29 | 14°48 | 24°20 | 16°19 | 10° 6 | 8°57 | 11°30 | 3°16 | 1°47 | 20°46 | 11° 9 | T 15 |
| W16 | 19 53 36 | 27°21'23 | 18°36 | 9°59 | 5°57 | 15°26 | 24°25 | 16°25 | 10° 4 | 8°57 | 11°31 | 3°10 | 1°44 | 20°52 | 11° 6 | W16 |
| T 17 | 19 57 33 | 28°18'50 | 3♈ 4 | 9°25 | 6°23 | 16° 3 | 24°30 | 16°31 | 10° 3 | 8°D57 | 11°33 | 3° 5 | 1°41 | 20°59 | 11° 3 | T 17 |
| F 18 | 20 1 29 | 29°16'19 | 17° 7 | 8°47 | 6°48 | 16°41 | 24°34 | 16°36 | 10° 1 | 8°57 | 11°35 | 3° 2 | 1°37 | 21° 6 | 11° 0 | F 18 |
| S 19 | 20 5 26 | 0♌13'48 | 0♉45 | 8° 5 | 7°12 | 17°19 | 24°39 | 16°42 | 10° 0 | 8°57 | 11°37 | 3°D 2 | 1°34 | 21°13 | 10°57 | S 19 |
| S 20 | 20 9 22 | 1°11'20 | 13°58 | 7°20 | 7°33 | 17°57 | 24°43 | 16°48 | 9°59 | 8°57 | 11°38 | 3° 2 | 1°31 | 21°19 | 10°54 | S 20 |
| M21 | 20 13 19 | 2° 8'52 | 26°51 | 6°33 | 7°53 | 18°35 | 24°47 | 16°54 | 9°58 | 8°57 | 11°40 | 3°R 3 | 1°28 | 21°26 | 10°51 | M21 |
| T 22 | 20 17 16 | 3° 6'27 | 9♊26 | 5°44 | 8°11 | 19°13 | 24°51 | 17° 0 | 9°57 | 8°57 | 11°42 | 3° 3 | 1°25 | 21°33 | 10°48 | T 22 |
| W23 | 20 21 12 | 4° 4'02 | 21°48 | 4°55 | 8°27 | 19°51 | 24°54 | 17° 6 | 9°55 | 8°58 | 11°44 | 3° 1 | 1°22 | 21°40 | 10°45 | W23 |
| T 24 | 20 25 9 | 5° 1'40 | 3♋59 | 4° 6 | 8°41 | 20°29 | 24°58 | 17°12 | 9°54 | 8°58 | 11°46 | 2°57 | 1°18 | 21°46 | 10°42 | T 24 |
| F 25 | 20 29 5 | 5°59'18 | 16° 3 | 3°19 | 8°54 | 21° 7 | 25° 1 | 17°18 | 9°53 | 8°58 | 11°48 | 2°50 | 1°15 | 21°53 | 10°39 | F 25 |
| S 26 | 20 33 2 | 6°56'58 | 28° 2 | 2°33 | 9° 4 | 21°45 | 25° 4 | 17°24 | 9°52 | 8°58 | 11°50 | 2°41 | 1°12 | 22° 0 | 10°36 | S 26 |
| S 27 | 20 36 58 | 7°54'39 | 9♌56 | 1°51 | 9°12 | 22°24 | 25° 7 | 17°31 | 9°51 | 8°59 | 11°51 | 2°30 | 1° 9 | 22° 6 | 10°33 | S 27 |
| M28 | 20 40 55 | 8°52'22 | 21°49 | 1°13 | 9°18 | 23° 2 | 25°10 | 17°37 | 9°51 | 8°59 | 11°53 | 2°17 | 1° 6 | 22°13 | 10°30 | M28 |
| T 29 | 20 44 51 | 9°50'06 | 3♍40 | 0°40 | 9°21 | 23°40 | 25°12 | 17°43 | 9°50 | 8°59 | 11°55 | 2° 5 | 1° 3 | 22°20 | 10°26 | T 29 |
| W30 | 20 48 48 | 10°47'51 | 15°33 | 0°13 | 9°R23 | 24°18 | 25°15 | 17°49 | 9°49 | 9° 0 | 11°57 | 1°54 | 0°59 | 22°27 | 10°23 | W30 |
| T 31 | 20 52 45 | 11♌45'37 | 27♍28 | 29♋52 | 9♍22 | 24♌56 | 25♈17 | 17♍56 | 9♐48 | 9♏ 0 | 11♍59 | 1♊44 | 0♊56 | 22♌33 | 10♒20 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n56 | 18n 4 | 5n 5 | 16n42 | 1s30 | 12n22 | 0s21 | 20n 3 | 1n12 | 7n44 | 1s19 | 7n55 | 2n12 | 22s11 | 0s 3 | 12s49 | 1n52 | 21n44 | 15n33 | 21n 4 | 20n47 | 19n54 | 11s 0 | 6n36 |
| W 2 | 22 50 | 13 51 | 5 9 | 16 19 | 1 43 | 11 59 | 0 28 | 19 53 | 1 12 | 7 47 | 1 19 | 7 53 | 2 12 | 22 11 | 0 3 | 12 49 | 1 52 | 21 43 | 15 33 | 21 3 | 20 46 | 19 52 | 11 1 | 6 36 |
| T 3 | 22 44 | 9 5 | 4 59 | 15 58 | 1 57 | 11 37 | 0 37 | 19 43 | 1 12 | 7 49 | 1 19 | 7 51 | 2 12 | 22 11 | 0 3 | 12 49 | 1 52 | 21 43 | 15 33 | 21 2 | 20 46 | 19 50 | 11 1 | 6 36 |
| F 4 | 22 37 | 3 56 | 4 36 | 15 37 | 2 10 | 11 14 | 0 45 | 19 33 | 1 11 | 7 51 | 1 20 | 7 49 | 2 12 | 22 11 | 0 3 | 12 49 | 1 52 | 21 42 | 15 32 | 21 1 | 20 45 | 19 48 | 11 2 | 6 36 |
| S 5 | 22 30 | 1s26 | 4 0 | 15 18 | 2 24 | 10 51 | 0 53 | 19 23 | 1 11 | 7 54 | 1 20 | 7 47 | 2 12 | 22 10 | 0 3 | 12 49 | 1 52 | 21 41 | 15 32 | 21 1 | 20 44 | 19 46 | 11 2 | 6 37 |
| S 6 | 22 23 | 6 52 | 3 13 | 14 59 | 2 37 | 10 29 | 1 2 | 19 13 | 1 11 | 7 56 | 1 20 | 7 45 | 2 11 | 22 10 | 0 3 | 12 49 | 1 51 | 21 40 | 15 32 | 21 1 | 20 44 | 19 44 | 11 3 | 6 37 |
| M 7 | 22 15 | 12 10 | 2 14 | 14 42 | 2 50 | 10 6 | 1 11 | 19 3 | 1 11 | 7 58 | 1 20 | 7 43 | 2 11 | 22 10 | 0 3 | 12 48 | 1 51 | 21 39 | 15 31 | 21 1 | 20 43 | 19 42 | 11 3 | 6 37 |
| T 8 | 22 7 | 17 6 | 1 7 | 14 27 | 3 4 | 9 44 | 1 20 | 18 52 | 1 11 | 8 0 | 1 20 | 7 41 | 2 11 | 22 10 | 0 3 | 12 48 | 1 51 | 21 38 | 15 31 | 21 1 | 20 42 | 19 40 | 11 4 | 6 37 |
| W 9 | 21 58 | 21 20 | 0s 6 | 14 13 | 3 17 | 9 22 | 1 29 | 18 42 | 1 10 | 8 2 | 1 21 | 7 39 | 2 11 | 22 9 | 0 3 | 12 48 | 1 51 | 21 37 | 15 31 | 21 1 | 20 42 | 19 38 | 11 5 | 6 37 |
| T 10 | 21 50 | 24 27 | 1 21 | 14 1 | 3 29 | 9 0 | 1 39 | 18 31 | 1 10 | 8 4 | 1 21 | 7 37 | 2 11 | 22 9 | 0 3 | 12 48 | 1 51 | 21 36 | 15 30 | 21 1 | 20 41 | 19 36 | 11 5 | 6 37 |
| F 11 | 21 40 | 26 4 | 2 33 | 13 50 | 3 41 | 8 38 | 1 49 | 18 20 | 1 10 | 8 6 | 1 21 | 7 34 | 2 11 | 22 9 | 0 3 | 12 48 | 1 51 | 21 35 | 15 30 | 21 1 | 20 41 | 19 34 | 11 6 | 6 38 |
| S 12 | 21 31 | 25 52 | 3 36 | 13 42 | 3 53 | 8 17 | 1 59 | 18 9 | 1 10 | 8 8 | 1 21 | 7 32 | 2 11 | 22 9 | 0 3 | 12 48 | 1 51 | 21 34 | 15 30 | 21 0 | 20 40 | 19 32 | 11 7 | 6 38 |
| S 13 | 21 21 | 23 47 | 4 25 | 13 36 | 4 4 | 7 56 | 2 9 | 17 58 | 1 10 | 8 10 | 1 22 | 7 30 | 2 10 | 22 8 | 0 3 | 12 48 | 1 51 | 21 33 | 15 29 | 20 58 | 20 39 | 19 30 | 11 7 | 6 38 |
| M14 | 21 10 | 19 59 | 4 56 | 13 31 | 4 14 | 7 35 | 2 19 | 17 47 | 1 9 | 8 11 | 1 22 | 7 28 | 2 10 | 22 8 | 0 3 | 12 48 | 1 51 | 21 33 | 15 29 | 20 57 | 20 39 | 19 28 | 11 8 | 6 38 |
| T 15 | 20 59 | 14 55 | 5 6 | 13 29 | 4 23 | 7 14 | 2 30 | 17 35 | 1 9 | 8 13 | 1 22 | 7 25 | 2 10 | 22 8 | 0 3 | 12 49 | 1 51 | 21 32 | 15 29 | 20 56 | 20 38 | 19 26 | 11 9 | 6 38 |
| W16 | 20 48 | 9 3 | 4 55 | 13 30 | 4 31 | 6 54 | 2 41 | 17 24 | 1 9 | 8 15 | 1 22 | 7 23 | 2 10 | 22 8 | 0 3 | 12 49 | 1 51 | 21 31 | 15 28 | 20 54 | 20 37 | 19 24 | 11 9 | 6 38 |
| T 17 | 20 37 | 2 50 | 4 25 | 13 32 | 4 37 | 6 34 | 2 52 | 17 12 | 1 9 | 8 16 | 1 23 | 7 21 | 2 10 | 22 8 | 0 3 | 12 49 | 1 51 | 21 30 | 15 28 | 20 53 | 20 37 | 19 22 | 11 10 | 6 38 |
| F 18 | 20 25 | 3n22 | 3 40 | 13 37 | 4 42 | 6 14 | 3 3 | 17 1 | 1 9 | 8 17 | 1 23 | 7 18 | 2 10 | 22 8 | 0 3 | 12 49 | 1 51 | 21 29 | 15 28 | 20 53 | 20 36 | 19 20 | 11 11 | 6 38 |
| S 19 | 20 13 | 9 14 | 2 44 | 13 45 | 4 46 | 5 55 | 3 14 | 16 49 | 1 8 | 8 19 | 1 23 | 7 16 | 2 10 | 22 7 | 0 3 | 12 49 | 1 51 | 21 28 | 15 28 | 20 53 | 20 35 | 19 18 | 11 11 | 6 38 |
| S 20 | 20 0 | 14 31 | 1 40 | 13 54 | 4 48 | 5 36 | 3 26 | 16 37 | 1 8 | 8 20 | 1 23 | 7 14 | 2 10 | 22 7 | 0 3 | 12 49 | 1 51 | 21 27 | 15 27 | 20 53 | 20 35 | 19 16 | 11 12 | 6 38 |
| M21 | 19 47 | 19 1 | 0 33 | 14 5 | 4 48 | 5 18 | 3 37 | 16 25 | 1 8 | 8 21 | 1 23 | 7 11 | 2 10 | 22 7 | 0 3 | 12 49 | 1 51 | 21 26 | 15 27 | 20 53 | 20 34 | 19 14 | 11 13 | 6 38 |
| T 22 | 19 34 | 22 33 | 0n34 | 14 19 | 4 47 | 5 0 | 3 49 | 16 13 | 1 8 | 8 23 | 1 24 | 7 9 | 2 9 | 22 7 | 0 3 | 12 49 | 1 50 | 21 25 | 15 27 | 20 53 | 20 33 | 19 11 | 11 14 | 6 38 |
| W23 | 19 21 | 24 57 | 1 38 | 14 34 | 4 43 | 4 43 | 4 1 | 16 0 | 1 7 | 8 24 | 1 24 | 7 6 | 2 9 | 22 7 | 0 3 | 12 49 | 1 50 | 21 24 | 15 27 | 20 53 | 20 33 | 19 9 | 11 14 | 6 39 |
| T 24 | 19 7 | 26 8 | 2 37 | 14 50 | 4 38 | 4 26 | 4 13 | 15 48 | 1 7 | 8 25 | 1 24 | 7 4 | 2 9 | 22 7 | 0 3 | 12 49 | 1 50 | 21 23 | 15 26 | 20 52 | 20 32 | 19 7 | 11 15 | 6 39 |
| F 25 | 18 53 | 26 2 | 3 28 | 15 8 | 4 31 | 4 10 | 4 26 | 15 36 | 1 7 | 8 26 | 1 24 | 7 1 | 2 9 | 22 6 | 0 3 | 12 49 | 1 50 | 21 22 | 15 26 | 20 51 | 20 32 | 19 5 | 11 16 | 6 39 |
| S 26 | 18 38 | 24 44 | 4 9 | 15 27 | 4 22 | 3 55 | 4 38 | 15 23 | 1 7 | 8 27 | 1 25 | 6 59 | 2 9 | 22 6 | 0 3 | 12 50 | 1 50 | 21 21 | 15 26 | 20 49 | 20 31 | 19 3 | 11 17 | 6 39 |
| S 27 | 18 24 | 22 20 | 4 39 | 15 47 | 4 11 | 3 41 | 4 51 | 15 10 | 1 7 | 8 27 | 1 25 | 6 56 | 2 9 | 22 6 | 0 3 | 12 50 | 1 50 | 21 20 | 15 26 | 20 47 | 20 30 | 19 1 | 11 18 | 6 39 |
| M28 | 18 8 | 18 59 | 4 57 | 16 7 | 3 59 | 3 27 | 5 3 | 14 58 | 1 6 | 8 28 | 1 25 | 6 54 | 2 9 | 22 6 | 0 3 | 12 50 | 1 50 | 21 19 | 15 25 | 20 44 | 20 30 | 18 59 | 11 18 | 6 39 |
| T 29 | 17 53 | 14 53 | 5 1 | 16 27 | 3 45 | 3 14 | 5 16 | 14 45 | 1 6 | 8 29 | 1 25 | 6 51 | 2 9 | 22 6 | 0 3 | 12 50 | 1 50 | 21 18 | 15 25 | 20 42 | 20 29 | 18 57 | 11 19 | 6 39 |
| W30 | 17 37 | 10 14 | 4 53 | 16 47 | 3 31 | 3 2 | 5 28 | 14 32 | 1 6 | 8 30 | 1 26 | 6 49 | 2 9 | 22 6 | 0 3 | 12 50 | 1 50 | 21 17 | 15 25 | 20 39 | 20 28 | 18 55 | 11 20 | 6 39 |
| T 31 | 17n21 | 5n10 | 4n32 | 17n 7 | 3s15 | 2n50 | 5s41 | 14n19 | 1n 6 | 8n30 | 1s26 | 6n46 | 2n 9 | 22s 6 | 0s 3 | 12s51 | 1n50 | 21n16 | 15n25 | 20n37 | 20n28 | 18n53 | 11s21 | 6n39 |

Julian Day Number = 2078818.5, Delta T = 26m07s
Ecliptic obliquity = 23°34'21, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'03, Lahiri = 9°38'03 Julian Calendar 1 July 979 == Greg. Calendar 6 July 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## AUGUST 979 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 56 41 | 12♌43'25 | 9♎29 | 29°R37 | 9°R18 | 25♌34 | 25♈19 | 18♍ 2 | 9°R47 | 9♏ 1 | 12♍ 1 | 1°R37 | 0♊53 | 22♌40 | 10°R17 | F 1 |
| S 2 | 21 0 38 | 13°41'14 | 21°40 | 29°D30 | 9♍13 | 26°13 | 25°20 | 18° 9 | 9♐47 | 9° 1 | 12° 3 | 1♊33 | 0°50 | 22°47 | 10♒14 | S 2 |
| S 3 | 21 4 34 | 14°39'04 | 4♏ 4 | 29♋30 | 9° 5 | 26°51 | 25°22 | 18°15 | 9°46 | 9° 2 | 12° 5 | 1°30 | 0°47 | 22°53 | 10°11 | S 3 |
| M 4 | 21 8 31 | 15°36'55 | 16°46 | 29°39 | 8°54 | 27°29 | 25°23 | 18°22 | 9°46 | 9° 2 | 12° 7 | 1°D30 | 0°43 | 23° 0 | 10° 8 | M 4 |
| T 5 | 21 12 27 | 16°34'48 | 29°50 | 29°55 | 8°42 | 28° 7 | 25°24 | 18°29 | 9°45 | 9° 3 | 12° 9 | 1°R30 | 0°40 | 23° 7 | 10° 5 | T 5 |
| W 6 | 21 16 24 | 17°32'42 | 13♐20 | 0♌19 | 8°26 | 28°46 | 25°25 | 18°35 | 9°45 | 9° 4 | 12°11 | 1°30 | 0°37 | 23°14 | 10° 2 | W 6 |
| T 7 | 21 20 20 | 18°30'38 | 27°19 | 0°51 | 8° 9 | 29°24 | 25°26 | 18°42 | 9°44 | 9° 4 | 12°14 | 1°28 | 0°34 | 23°20 | 9°59 | T 7 |
| F 8 | 21 24 17 | 19°28'35 | 11♑47 | 1°31 | 7°49 | 0♍ 2 | 25°27 | 18°49 | 9°44 | 9° 5 | 12°16 | 1°23 | 0°31 | 23°27 | 9°56 | F 8 |
| S 9 | 21 28 14 | 20°26'33 | 26°40 | 2°18 | 7°27 | 0°41 | 25°27 | 18°55 | 9°44 | 9° 6 | 12°18 | 1°16 | 0°28 | 23°34 | 9°53 | S 9 |
| S 10 | 21 32 10 | 21°24'33 | 11♒52 | 3°13 | 7° 3 | 1°19 | 25°R27 | 19° 2 | 9°43 | 9° 7 | 12°20 | 1° 7 | 0°24 | 23°41 | 9°50 | S 10 |
| M11 | 21 36 7 | 22°22'34 | 27°13 | 4°14 | 6°37 | 1°58 | 25°27 | 19° 9 | 9°43 | 9° 7 | 12°22 | 0°56 | 0°21 | 23°47 | 9°47 | M11 |
| T 12 | 21 40 3 | 23°20'37 | 12♓31 | 5°23 | 6° 9 | 2°36 | 25°27 | 19°16 | 9°43 | 9° 8 | 12°24 | 0°46 | 0°18 | 23°54 | 9°44 | T 12 |
| W13 | 21 44 0 | 24°18'42 | 27°35 | 6°38 | 5°39 | 3°15 | 25°27 | 19°23 | 9°43 | 9° 9 | 12°26 | 0°36 | 0°15 | 24° 1 | 9°41 | W13 |
| T 14 | 21 47 56 | 25°16'49 | 12♈16 | 7°59 | 5° 7 | 3°53 | 25°26 | 19°30 | 9°D43 | 9°10 | 12°28 | 0°29 | 0°12 | 24° 7 | 9°38 | T 14 |
| F 15 | 21 51 53 | 26°14'58 | 26°29 | 9°25 | 4°34 | 4°32 | 25°25 | 19°37 | 9°43 | 9°11 | 12°31 | 0°24 | 0° 9 | 24°14 | 9°35 | F 15 |
| S 16 | 21 55 49 | 27°13'09 | 10♉12 | 10°56 | 4° 0 | 5°10 | 25°24 | 19°44 | 9°43 | 9°12 | 12°33 | 0°22 | 0° 5 | 24°21 | 9°32 | S 16 |
| S 17 | 21 59 46 | 28°11'22 | 23°28 | 12°31 | 3°25 | 5°49 | 25°23 | 19°51 | 9°43 | 9°13 | 12°35 | 0°21 | 0° 2 | 24°28 | 9°29 | S 17 |
| M18 | 22 3 43 | 29° 9'37 | 6♊19 | 14°10 | 2°49 | 6°27 | 25°21 | 19°58 | 9°43 | 9°14 | 12°37 | 0°21 | 29♉59 | 24°34 | 9°27 | M18 |
| T 19 | 22 7 39 | 0♍ 7'54 | 18°50 | 15°52 | 2°13 | 7° 6 | 25°20 | 20° 5 | 9°44 | 9°15 | 12°39 | 0°21 | 29°56 | 24°41 | 9°24 | T 19 |
| W20 | 22 11 36 | 1° 6'13 | 1♋ 5 | 17°38 | 1°36 | 7°45 | 25°18 | 20°12 | 9°44 | 9°16 | 12°41 | 0°18 | 29°53 | 24°48 | 9°21 | W20 |
| T 21 | 22 15 32 | 2° 4'35 | 13°10 | 19°25 | 0°59 | 8°23 | 25°16 | 20°19 | 9°44 | 9°17 | 12°44 | 0°13 | 29°49 | 24°55 | 9°18 | T 21 |
| F 22 | 22 19 29 | 3° 2'58 | 25° 7 | 21°14 | 0°22 | 9° 2 | 25°14 | 20°26 | 9°44 | 9°18 | 12°46 | 0° 5 | 29°46 | 25° 1 | 9°16 | F 22 |
| S 23 | 22 23 25 | 4° 1'24 | 7♌ 0 | 23° 5 | 29♌45 | 9°41 | 25°11 | 20°33 | 9°45 | 9°19 | 12°48 | 29♉55 | 29°43 | 25° 8 | 9°13 | S 23 |
| S 24 | 22 27 22 | 4°59'52 | 18°52 | 24°57 | 29° 9 | 10°20 | 25° 8 | 20°40 | 9°45 | 9°20 | 12°50 | 29°42 | 29°40 | 25°15 | 9°10 | S 24 |
| M25 | 22 31 18 | 5°58'21 | 0♍44 | 26°50 | 28°34 | 10°58 | 25° 6 | 20°48 | 9°46 | 9°22 | 12°53 | 29°28 | 29°37 | 25°21 | 9° 8 | M25 |
| T 26 | 22 35 15 | 6°56'53 | 12°38 | 28°43 | 28° 0 | 11°37 | 25° 3 | 20°55 | 9°46 | 9°23 | 12°55 | 29°14 | 29°34 | 25°28 | 9° 5 | T 26 |
| W27 | 22 39 12 | 7°55'26 | 24°34 | 0♍36 | 27°28 | 12°16 | 24°59 | 21° 2 | 9°47 | 9°24 | 12°57 | 29° 0 | 29°30 | 25°35 | 9° 2 | W27 |
| T 28 | 22 43 8 | 8°54'01 | 6♎36 | 2°29 | 26°56 | 12°55 | 24°56 | 21° 9 | 9°48 | 9°25 | 12°59 | 28°49 | 29°27 | 25°42 | 9° 0 | T 28 |
| F 29 | 22 47 5 | 9°52'38 | 18°43 | 4°22 | 26°27 | 13°34 | 24°52 | 21°17 | 9°48 | 9°27 | 13° 1 | 28°41 | 29°24 | 25°48 | 8°57 | F 29 |
| S 30 | 22 51 1 | 10°51'17 | 0♏59 | 6°15 | 25°59 | 14°13 | 24°49 | 21°24 | 9°49 | 9°28 | 13° 4 | 28°35 | 29°21 | 25°55 | 8°55 | S 30 |
| S 31 | 22 54 58 | 11♍49'58 | 13♏27 | 8♍ 7 | 25♌33 | 14♍52 | 24♈45 | 21♍31 | 9♐50 | 9♏30 | 13♍ 6 | 28♉32 | 29♉18 | 26♌ 2 | 8♒52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 17n 5 | 0s 7 | 3n59 | 17n26 | 2s59 | 2n40 | 5s53 | 14n 5 | 1n 5 | 8n31 | 1s26 | 6n43 | 2n 8 | 22s 6 | 0s 3 | 12s51 | 1n50 | 21n15 | 15n25 | 20n36 | 20n27 | 18n50 | 11s22 | 6n38 |
| S 2 | 16 49 | 5 29 | 3 14 | 17 44 | 2 42 | 2 31 | 6 6 | 13 52 | 1 5 | 8 31 | 1 26 | 6 41 | 2 8 | 22 5 | 0 3 | 12 51 | 1 50 | 21 14 | 15 24 | 20 35 | 20 26 | 18 48 | 11 23 | 6 38 |
| S 3 | 16 32 | 10 45 | 2 20 | 18 1 | 2 24 | 2 22 | 6 18 | 13 39 | 1 5 | 8 31 | 1 27 | 6 38 | 2 8 | 22 5 | 0 3 | 12 51 | 1 50 | 21 13 | 15 24 | 20 35 | 20 26 | 18 46 | 11 23 | 6 38 |
| M 4 | 16 15 | 15 42 | 1 17 | 18 17 | 2 6 | 2 15 | 6 30 | 13 25 | 1 5 | 8 32 | 1 27 | 6 35 | 2 8 | 22 5 | 0 3 | 12 51 | 1 50 | 21 13 | 15 24 | 20 35 | 20 25 | 18 44 | 11 24 | 6 38 |
| T 5 | 15 57 | 20 5 | 0 9 | 18 31 | 1 49 | 2 9 | 6 42 | 13 12 | 1 4 | 8 32 | 1 27 | 6 33 | 2 8 | 22 5 | 0 3 | 12 52 | 1 50 | 21 12 | 15 24 | 20 35 | 20 24 | 18 42 | 11 25 | 6 38 |
| W 6 | 15 40 | 23 33 | 1s 2 | 18 43 | 1 31 | 2 3 | 6 54 | 12 58 | 1 4 | 8 32 | 1 27 | 6 30 | 2 8 | 22 5 | 0 3 | 12 52 | 1 50 | 21 11 | 15 24 | 20 35 | 20 24 | 18 40 | 11 26 | 6 38 |
| T 7 | 15 22 | 25 45 | 2 12 | 18 53 | 1 13 | 1 59 | 7 5 | 12 44 | 1 4 | 8 32 | 1 28 | 6 27 | 2 8 | 22 5 | 0 3 | 12 52 | 1 49 | 21 10 | 15 24 | 20 34 | 20 23 | 18 38 | 11 27 | 6 38 |
| F 8 | 15 4 | 26 18 | 3 16 | 19 1 | 0 56 | 1 56 | 7 16 | 12 31 | 1 3 | 8 32 | 1 28 | 6 25 | 2 8 | 22 5 | 0 3 | 12 53 | 1 49 | 21 9 | 15 23 | 20 33 | 20 22 | 18 35 | 11 28 | 6 38 |
| S 9 | 14 45 | 24 59 | 4 8 | 19 7 | 0 40 | 1 55 | 7 26 | 12 17 | 1 3 | 8 32 | 1 28 | 6 22 | 2 8 | 22 5 | 0 3 | 12 53 | 1 49 | 21 8 | 15 23 | 20 32 | 20 22 | 18 33 | 11 29 | 6 38 |
| S 10 | 14 27 | 21 52 | 4 44 | 19 10 | 0 24 | 1 54 | 7 36 | 12 3 | 1 3 | 8 32 | 1 28 | 6 19 | 2 8 | 22 5 | 0 3 | 12 53 | 1 49 | 21 7 | 15 23 | 20 30 | 20 21 | 18 31 | 11 29 | 6 38 |
| M11 | 14 8 | 17 11 | 5 0 | 19 10 | 0 8 | 1 55 | 7 46 | 11 49 | 1 3 | 8 31 | 1 28 | 6 16 | 2 8 | 22 5 | 0 3 | 12 53 | 1 49 | 21 6 | 15 23 | 20 28 | 20 20 | 18 29 | 11 30 | 6 38 |
| T 12 | 13 49 | 11 25 | 4 54 | 19 8 | 0n 6 | 1 57 | 7 55 | 11 34 | 1 2 | 8 31 | 1 29 | 6 14 | 2 8 | 22 5 | 0 3 | 12 54 | 1 49 | 21 5 | 15 23 | 20 25 | 20 20 | 18 27 | 11 31 | 6 38 |
| W13 | 13 29 | 5 4 | 4 28 | 19 2 | 0 20 | 2 0 | 8 3 | 11 20 | 1 2 | 8 31 | 1 29 | 6 11 | 2 8 | 22 5 | 0 3 | 12 54 | 1 49 | 21 4 | 15 23 | 20 23 | 20 19 | 18 24 | 11 32 | 6 37 |
| T 14 | 13 10 | 1n25 | 3 45 | 18 54 | 0 33 | 2 4 | 8 11 | 11 6 | 1 2 | 8 30 | 1 29 | 6 8 | 2 8 | 22 5 | 0 3 | 12 54 | 1 49 | 21 3 | 15 23 | 20 22 | 20 18 | 18 22 | 11 33 | 6 37 |
| F 15 | 12 50 | 7 39 | 2 49 | 18 43 | 0 44 | 2 10 | 8 18 | 10 52 | 1 2 | 8 30 | 1 29 | 6 5 | 2 8 | 22 5 | 0 3 | 12 55 | 1 49 | 21 2 | 15 23 | 20 21 | 20 18 | 18 20 | 11 34 | 6 37 |
| S 16 | 12 30 | 13 19 | 1 44 | 18 28 | 0 55 | 2 16 | 8 24 | 10 37 | 1 1 | 8 29 | 1 30 | 6 3 | 2 7 | 22 5 | 0 3 | 12 55 | 1 49 | 21 1 | 15 23 | 20 20 | 20 17 | 18 18 | 11 35 | 6 37 |
| S 17 | 12 10 | 18 9 | 0 36 | 18 11 | 1 5 | 2 24 | 8 29 | 10 23 | 1 1 | 8 29 | 1 30 | 6 0 | 2 7 | 22 5 | 0 3 | 12 55 | 1 49 | 21 0 | 15 22 | 20 20 | 20 16 | 18 16 | 11 36 | 6 37 |
| M18 | 11 50 | 22 0 | 0n31 | 17 51 | 1 14 | 2 33 | 8 33 | 10 8 | 1 1 | 8 28 | 1 30 | 5 57 | 2 7 | 22 5 | 0 3 | 12 56 | 1 49 | 20 59 | 15 22 | 20 20 | 20 16 | 18 13 | 11 37 | 6 37 |
| T 19 | 11 29 | 24 42 | 1 36 | 17 28 | 1 21 | 2 42 | 8 37 | 9 53 | 1 0 | 8 27 | 1 30 | 5 54 | 2 7 | 22 5 | 0 3 | 12 56 | 1 49 | 20 58 | 15 22 | 20 20 | 20 15 | 18 11 | 11 37 | 6 37 |
| W20 | 11 9 | 26 9 | 2 35 | 17 2 | 1 28 | 2 53 | 8 39 | 9 38 | 1 0 | 8 26 | 1 31 | 5 51 | 2 7 | 22 5 | 0 3 | 12 57 | 1 49 | 20 57 | 15 22 | 20 20 | 20 14 | 18 9 | 11 38 | 6 36 |
| T 21 | 10 48 | 26 19 | 3 25 | 16 34 | 1 34 | 3 4 | 8 41 | 9 24 | 1 0 | 8 25 | 1 31 | 5 48 | 2 7 | 22 5 | 0 3 | 12 57 | 1 49 | 20 57 | 15 22 | 20 19 | 20 14 | 18 7 | 11 39 | 6 36 |
| F 22 | 10 27 | 25 16 | 4 6 | 16 3 | 1 39 | 3 16 | 8 41 | 9 9 | 1 0 | 8 24 | 1 31 | 5 46 | 2 7 | 22 5 | 0 3 | 12 57 | 1 49 | 20 56 | 15 22 | 20 17 | 20 13 | 18 5 | 11 40 | 6 36 |
| S 23 | 10 5 | 23 4 | 4 36 | 15 31 | 1 42 | 3 29 | 8 41 | 8 54 | 0 59 | 8 23 | 1 31 | 5 43 | 2 7 | 22 5 | 0 3 | 12 58 | 1 49 | 20 55 | 15 22 | 20 15 | 20 12 | 18 2 | 11 41 | 6 36 |
| S 24 | 9 44 | 19 54 | 4 54 | 14 56 | 1 45 | 3 42 | 8 40 | 8 39 | 0 59 | 8 22 | 1 31 | 5 40 | 2 7 | 22 5 | 0 3 | 12 58 | 1 48 | 20 54 | 15 22 | 20 12 | 20 12 | 18 0 | 11 42 | 6 36 |
| M25 | 9 22 | 15 56 | 4 59 | 14 19 | 1 47 | 3 56 | 8 38 | 8 24 | 0 59 | 8 21 | 1 32 | 5 37 | 2 7 | 22 5 | 0 3 | 12 59 | 1 48 | 20 53 | 15 22 | 20 9 | 20 11 | 17 58 | 11 43 | 6 35 |
| T 26 | 9 1 | 11 20 | 4 51 | 13 41 | 1 49 | 4 10 | 8 35 | 8 9 | 0 58 | 8 19 | 1 32 | 5 34 | 2 7 | 22 6 | 0 3 | 12 59 | 1 48 | 20 52 | 15 22 | 20 6 | 20 10 | 17 56 | 11 44 | 6 35 |
| W27 | 8 39 | 6 18 | 4 31 | 13 1 | 1 49 | 4 25 | 8 31 | 7 53 | 0 58 | 8 18 | 1 32 | 5 31 | 2 7 | 22 6 | 0 3 | 13 0 | 1 48 | 20 51 | 15 22 | 20 3 | 20 9 | 17 53 | 11 45 | 6 35 |
| T 28 | 8 17 | 1 0 | 3 58 | 12 20 | 1 49 | 4 40 | 8 26 | 7 38 | 0 58 | 8 17 | 1 32 | 5 28 | 2 7 | 22 6 | 0 3 | 13 0 | 1 48 | 20 50 | 15 22 | 20 0 | 20 9 | 17 51 | 11 45 | 6 35 |
| F 29 | 7 54 | 4s23 | 3 14 | 11 38 | 1 48 | 4 55 | 8 21 | 7 23 | 0 57 | 8 15 | 1 32 | 5 25 | 2 7 | 22 6 | 0 3 | 13 1 | 1 48 | 20 49 | 15 22 | 19 59 | 20 8 | 17 49 | 11 46 | 6 34 |
| S 30 | 7 32 | 9 42 | 2 20 | 10 55 | 1 47 | 5 10 | 8 15 | 7 7 | 0 57 | 8 14 | 1 33 | 5 22 | 2 7 | 22 6 | 0 3 | 13 1 | 1 48 | 20 49 | 15 22 | 19 57 | 20 7 | 17 46 | 11 47 | 6 34 |
| S 31 | 7n10 | 14s43 | 1n19 | 10n11 | 1n45 | 5n25 | 8s 8 | 6n52 | 0n57 | 8n12 | 1s33 | 5n20 | 2n 7 | 22s 6 | 0s 3 | 13s 2 | 1n48 | 20n48 | 15n22 | 19n57 | 20n 7 | 17n44 | 11s48 | 6n34 |

Julian Day Number = 2078849.5, Delta T = 26m07s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'07, Lahiri = 9°38'07 Julian Calendar 1 Aug. 979 == Greg. Calendar 6 Aug. 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## SEPTEMBER 979 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 22 58 54 | 12♍48'41 | 26♏ 9 | 9♍58 | 25°R 9 | 15♍31 | 24°R40 | 21♍39 | 9♐51 | 9♏31 | 13♍ 8 | 28°D32 | 29♉15 | 26♌ 8 | 8°R50 | M 1 |
| T 2 | 23 2 51 | 13°47'25 | 9♐11 | 11°49 | 24♌47 | 16°10 | 24♈36 | 21°46 | 9°52 | 9°32 | 13°10 | 28°R32 | 29°11 | 26°15 | 8♒48 | T 2 |
| W 3 | 23 6 47 | 14°46'11 | 22°34 | 13°39 | 24°27 | 16°49 | 24°32 | 21°53 | 9°53 | 9°34 | 13°13 | 28♉32 | 29° 8 | 26°22 | 8°45 | W 3 |
| T 4 | 23 10 44 | 15°44'59 | 6♑23 | 15°28 | 24°10 | 17°28 | 24°27 | 22° 1 | 9°54 | 9°35 | 13°15 | 28°30 | 29° 5 | 26°29 | 8°43 | T 4 |
| F 5 | 23 14 41 | 16°43'49 | 20°39 | 17°16 | 23°55 | 18° 7 | 24°22 | 22° 8 | 9°55 | 9°37 | 13°17 | 28°26 | 29° 2 | 26°35 | 8°41 | F 5 |
| S 6 | 23 18 37 | 17°42'40 | 5♒19 | 19° 4 | 23°42 | 18°46 | 24°17 | 22°15 | 9°56 | 9°38 | 13°19 | 28°20 | 28°59 | 26°42 | 8°39 | S 6 |
| S 7 | 23 22 34 | 18°41'34 | 20°20 | 20°50 | 23°32 | 19°25 | 24°12 | 22°23 | 9°57 | 9°40 | 13°22 | 28°11 | 28°55 | 26°49 | 8°37 | S 7 |
| M 8 | 23 26 30 | 19°40'29 | 5♓32 | 22°36 | 23°24 | 20° 4 | 24° 7 | 22°30 | 9°59 | 9°42 | 13°24 | 28° 2 | 28°52 | 26°56 | 8°35 | M 8 |
| T 9 | 23 30 27 | 20°39'26 | 20°46 | 24°21 | 23°19 | 20°43 | 24° 1 | 22°37 | 10° 0 | 9°43 | 13°26 | 27°52 | 28°49 | 27° 2 | 8°33 | T 9 |
| W10 | 23 34 23 | 21°38'25 | 5♈51 | 26° 5 | 23°16 | 21°23 | 23°55 | 22°45 | 10° 1 | 9°45 | 13°28 | 27°43 | 28°46 | 27° 9 | 8°31 | W10 |
| T 11 | 23 38 20 | 22°37'26 | 20°36 | 27°48 | 23°D16 | 22° 2 | 23°50 | 22°52 | 10° 2 | 9°46 | 13°31 | 27°36 | 28°43 | 27°16 | 8°29 | T 11 |
| F 12 | 23 42 16 | 23°36'29 | 4♉56 | 29°30 | 23°18 | 22°41 | 23°44 | 22°59 | 10° 4 | 9°48 | 13°33 | 27°31 | 28°40 | 27°22 | 8°27 | F 12 |
| S 13 | 23 46 13 | 24°35'35 | 18°47 | 1♎11 | 23°22 | 23°21 | 23°37 | 23° 7 | 10° 5 | 9°50 | 13°35 | 27°29 | 28°36 | 27°29 | 8°25 | S 13 |
| S 14 | 23 50 9 | 25°34'43 | 2♊10 | 2°51 | 23°29 | 24° 0 | 23°31 | 23°14 | 10° 7 | 9°51 | 13°37 | 27°D29 | 28°33 | 27°36 | 8°23 | S 14 |
| M15 | 23 54 6 | 26°33'54 | 15° 5 | 4°31 | 23°37 | 24°39 | 23°25 | 23°22 | 10° 8 | 9°53 | 13°39 | 27°30 | 28°30 | 27°43 | 8°22 | M15 |
| T 16 | 23 58 3 | 27°33'07 | 27°39 | 6°10 | 23°48 | 25°19 | 23°18 | 23°29 | 10°10 | 9°55 | 13°42 | 27°R30 | 28°27 | 27°49 | 8°20 | T 16 |
| W17 | 0 1 59 | 28°32'23 | 9♋55 | 7°48 | 24° 2 | 25°58 | 23°12 | 23°36 | 10°12 | 9°57 | 13°44 | 27°29 | 28°24 | 27°56 | 8°18 | W17 |
| T 18 | 0 5 56 | 29°31'40 | 21°58 | 9°25 | 24°17 | 26°38 | 23° 5 | 23°44 | 10°13 | 9°59 | 13°46 | 27°26 | 28°20 | 28° 3 | 8°17 | T 18 |
| F 19 | 0 9 52 | 0♎31'00 | 3♌53 | 11° 1 | 24°34 | 27°17 | 22°58 | 23°51 | 10°15 | 10° 0 | 13°48 | 27°21 | 28°17 | 28°10 | 8°15 | F 19 |
| S 20 | 0 13 49 | 1°30'23 | 15°45 | 12°37 | 24°53 | 27°57 | 22°51 | 23°58 | 10°17 | 10° 2 | 13°50 | 27°14 | 28°14 | 28°16 | 8°14 | S 20 |
| S 21 | 0 17 45 | 2°29'47 | 27°36 | 14°12 | 25°14 | 28°36 | 22°44 | 24° 6 | 10°19 | 10° 4 | 13°52 | 27° 5 | 28°11 | 28°23 | 8°12 | S 21 |
| M22 | 0 21 42 | 3°29'14 | 9♍30 | 15°46 | 25°37 | 29°16 | 22°36 | 24°13 | 10°21 | 10° 6 | 13°55 | 26°54 | 28° 8 | 28°30 | 8°11 | M22 |
| T 23 | 0 25 38 | 4°28'43 | 21°28 | 17°20 | 26° 2 | 29°56 | 22°29 | 24°20 | 10°23 | 10° 8 | 13°57 | 26°44 | 28° 5 | 28°36 | 8°10 | T 23 |
| W24 | 0 29 35 | 5°28'14 | 3♎33 | 18°53 | 26°28 | 0♎35 | 22°22 | 24°28 | 10°25 | 10°10 | 13°59 | 26°34 | 28° 1 | 28°43 | 8° 9 | W24 |
| T 25 | 0 33 32 | 6°27'47 | 15°45 | 20°25 | 26°56 | 1°15 | 22°14 | 24°35 | 10°27 | 10°12 | 14° 1 | 26°26 | 27°58 | 28°50 | 8° 7 | T 25 |
| F 26 | 0 37 28 | 7°27'23 | 28° 5 | 21°56 | 27°26 | 1°55 | 22° 6 | 24°42 | 10°29 | 10°14 | 14° 3 | 26°20 | 27°55 | 28°57 | 8° 6 | F 26 |
| S 27 | 0 41 25 | 8°27'00 | 10♏34 | 23°27 | 27°57 | 2°35 | 21°59 | 24°49 | 10°31 | 10°16 | 14° 5 | 26°16 | 27°52 | 29° 3 | 8° 5 | S 27 |
| S 28 | 0 45 21 | 9°26'39 | 23°14 | 24°57 | 28°30 | 3°14 | 21°51 | 24°57 | 10°33 | 10°18 | 14° 7 | 26°D15 | 27°49 | 29°10 | 8° 4 | S 28 |
| M29 | 0 49 18 | 10°26'20 | 6♐ 7 | 26°27 | 29° 4 | 3°54 | 21°43 | 25° 4 | 10°35 | 10°20 | 14° 9 | 26°15 | 27°46 | 29°17 | 8° 3 | M29 |
| T 30 | 0 53 14 | 11♎26'03 | 19♐15 | 27♎56 | 29♌39 | 4♎34 | 21♈35 | 25♍11 | 10♐37 | 10♏22 | 14♍11 | 26♉17 | 27♉42 | 29♌23 | 8♒ 2 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n47 | 19s12 | 0n13 | 9n27 | 1n42 | 5n40 | 8s 0 | 6n36 | 0n56 | 8n10 | 1s33 | 5n17 | 2n 7 | 22s 6 | 0s 3 | 13s 2 | 1n48 | 20n47 | 15n22 | 19n57 | 20n 6 | 17n42 | 11s49 | 6n34 |
| T 2 | 6 25 | 22 53 | 0s56 | 8 42 | 1 39 | 5 55 | 7 52 | 6 21 | 0 56 | 8 8 | 1 33 | 5 14 | 2 7 | 22 6 | 0 3 | 13 3 | 1 48 | 20 46 | 15 22 | 19 57 | 20 5 | 17 40 | 11 50 | 6 33 |
| W 3 | 6 2 | 25 25 | 2 4 | 7 56 | 1 36 | 6 9 | 7 43 | 6 5 | 0 56 | 8 7 | 1 33 | 5 11 | 2 7 | 22 7 | 0 3 | 13 3 | 1 48 | 20 45 | 15 22 | 19 57 | 20 5 | 17 37 | 11 51 | 6 33 |
| T 4 | 5 39 | 26 31 | 3 6 | 7 10 | 1 32 | 6 24 | 7 34 | 5 50 | 0 55 | 8 5 | 1 33 | 5 8 | 2 7 | 22 7 | 0 3 | 13 4 | 1 48 | 20 44 | 15 22 | 19 56 | 20 4 | 17 35 | 11 51 | 6 33 |
| F 5 | 5 16 | 25 55 | 3 59 | 6 24 | 1 27 | 6 38 | 7 25 | 5 34 | 0 55 | 8 3 | 1 34 | 5 5 | 2 7 | 22 7 | 0 3 | 13 4 | 1 48 | 20 44 | 15 22 | 19 55 | 20 3 | 17 33 | 11 52 | 6 33 |
| S 6 | 4 53 | 23 32 | 4 38 | 5 37 | 1 23 | 6 51 | 7 15 | 5 18 | 0 55 | 8 1 | 1 34 | 5 2 | 2 7 | 22 7 | 0 3 | 13 5 | 1 48 | 20 43 | 15 23 | 19 54 | 20 3 | 17 30 | 11 53 | 6 32 |
| S 7 | 4 30 | 19 31 | 4 59 | 4 51 | 1 18 | 7 4 | 7 4 | 5 3 | 0 54 | 7 59 | 1 34 | 4 59 | 2 7 | 22 7 | 0 3 | 13 5 | 1 48 | 20 42 | 15 23 | 19 52 | 20 2 | 17 28 | 11 54 | 6 32 |
| M 8 | 4 7 | 14 10 | 5 0 | 4 4 | 1 13 | 7 17 | 6 54 | 4 47 | 0 54 | 7 57 | 1 34 | 4 56 | 2 7 | 22 7 | 0 3 | 13 6 | 1 48 | 20 41 | 15 23 | 19 50 | 20 1 | 17 26 | 11 55 | 6 32 |
| T 9 | 3 43 | 7 56 | 4 39 | 3 17 | 1 7 | 7 29 | 6 43 | 4 31 | 0 54 | 7 54 | 1 34 | 4 53 | 2 7 | 22 8 | 0 3 | 13 6 | 1 48 | 20 40 | 15 23 | 19 48 | 20 0 | 17 23 | 11 56 | 6 31 |
| W10 | 3 20 | 1 19 | 3 58 | 2 31 | 1 2 | 7 40 | 6 32 | 4 15 | 0 53 | 7 52 | 1 34 | 4 51 | 2 7 | 22 8 | 0 3 | 13 7 | 1 48 | 20 40 | 15 23 | 19 46 | 20 0 | 17 21 | 11 56 | 6 31 |
| T 11 | 2 57 | 5n16 | 3 3 | 1 44 | 0 56 | 7 51 | 6 20 | 3 59 | 0 53 | 7 50 | 1 35 | 4 48 | 2 7 | 22 8 | 0 3 | 13 7 | 1 48 | 20 39 | 15 23 | 19 44 | 19 59 | 17 19 | 11 57 | 6 31 |
| F 12 | 2 33 | 11 24 | 1 57 | 0 58 | 0 50 | 8 1 | 6 9 | 3 43 | 0 53 | 7 48 | 1 35 | 4 45 | 2 7 | 22 8 | 0 3 | 13 8 | 1 48 | 20 38 | 15 23 | 19 43 | 19 58 | 17 16 | 11 58 | 6 30 |
| S 13 | 2 10 | 16 46 | 0 46 | 0 12 | 0 44 | 8 11 | 5 57 | 3 27 | 0 52 | 7 45 | 1 35 | 4 42 | 2 7 | 22 8 | 0 3 | 13 9 | 1 47 | 20 37 | 15 23 | 19 42 | 19 58 | 17 14 | 11 59 | 6 30 |
| S 14 | 1 46 | 21 7 | 0n25 | 0s34 | 0 37 | 8 20 | 5 46 | 3 11 | 0 52 | 7 43 | 1 35 | 4 39 | 2 7 | 22 9 | 0 3 | 13 9 | 1 47 | 20 37 | 15 23 | 19 42 | 19 57 | 17 12 | 11 59 | 6 30 |
| M15 | 1 22 | 24 16 | 1 33 | 1 20 | 0 31 | 8 28 | 5 34 | 2 55 | 0 52 | 7 40 | 1 35 | 4 36 | 2 7 | 22 9 | 0 3 | 13 10 | 1 47 | 20 36 | 15 24 | 19 43 | 19 56 | 17 9 | 12 0 | 6 29 |
| T 16 | 0 59 | 26 7 | 2 34 | 2 6 | 0 24 | 8 35 | 5 22 | 2 39 | 0 51 | 7 38 | 1 35 | 4 33 | 2 8 | 22 9 | 0 3 | 13 10 | 1 47 | 20 35 | 15 24 | 19 43 | 19 56 | 17 7 | 12 1 | 6 29 |
| W17 | 0 35 | 26 38 | 3 26 | 2 51 | 0 17 | 8 42 | 5 11 | 2 23 | 0 51 | 7 35 | 1 35 | 4 30 | 2 8 | 22 9 | 0 3 | 13 11 | 1 47 | 20 34 | 15 24 | 19 43 | 19 55 | 17 5 | 12 2 | 6 29 |
| T 18 | 0 11 | 25 52 | 4 9 | 3 35 | 0 11 | 8 48 | 4 59 | 2 7 | 0 50 | 7 33 | 1 35 | 4 27 | 2 8 | 22 10 | 0 3 | 13 12 | 1 47 | 20 34 | 15 24 | 19 42 | 19 54 | 17 2 | 12 2 | 6 28 |
| F 19 | 0s12 | 23 55 | 4 40 | 4 20 | 0 4 | 8 53 | 4 48 | 1 51 | 0 50 | 7 30 | 1 35 | 4 24 | 2 8 | 22 10 | 0 3 | 13 12 | 1 47 | 20 33 | 15 24 | 19 41 | 19 53 | 17 0 | 12 3 | 6 28 |
| S 20 | 0 36 | 20 57 | 4 59 | 5 4 | 0s 3 | 8 58 | 4 36 | 1 35 | 0 50 | 7 27 | 1 35 | 4 22 | 2 8 | 22 10 | 0 3 | 13 13 | 1 47 | 20 32 | 15 25 | 19 39 | 19 53 | 16 57 | 12 4 | 6 28 |
| S 21 | 1 0 | 17 8 | 5 5 | 5 47 | 0 10 | 9 2 | 4 25 | 1 19 | 0 49 | 7 25 | 1 36 | 4 19 | 2 8 | 22 11 | 0 3 | 13 13 | 1 47 | 20 32 | 15 25 | 19 37 | 19 52 | 16 55 | 12 5 | 6 27 |
| M22 | 1 24 | 12 38 | 4 58 | 6 30 | 0 17 | 9 5 | 4 13 | 1 2 | 0 49 | 7 22 | 1 36 | 4 16 | 2 8 | 22 11 | 0 3 | 13 14 | 1 47 | 20 31 | 15 25 | 19 35 | 19 51 | 16 53 | 12 5 | 6 27 |
| T 23 | 1 47 | 7 38 | 4 37 | 7 13 | 0 24 | 9 7 | 4 2 | 0 46 | 0 49 | 7 19 | 1 36 | 4 13 | 2 8 | 22 11 | 0 3 | 13 15 | 1 47 | 20 30 | 15 25 | 19 32 | 19 51 | 16 50 | 12 6 | 6 27 |
| W24 | 2 11 | 2 19 | 4 4 | 7 55 | 0 31 | 9 9 | 3 51 | 0 30 | 0 48 | 7 16 | 1 36 | 4 10 | 2 8 | 22 11 | 0 3 | 13 15 | 1 47 | 20 30 | 15 25 | 19 30 | 19 50 | 16 48 | 12 7 | 6 26 |
| T 25 | 2 35 | 3s 9 | 3 20 | 8 36 | 0 38 | 9 9 | 3 40 | 0 14 | 0 48 | 7 13 | 1 36 | 4 7 | 2 8 | 22 12 | 0 3 | 13 16 | 1 47 | 20 29 | 15 26 | 19 28 | 19 49 | 16 46 | 12 7 | 6 26 |
| F 26 | 2 58 | 8 35 | 2 26 | 9 17 | 0 45 | 9 10 | 3 29 | 0s 2 | 0 47 | 7 11 | 1 36 | 4 5 | 2 8 | 22 12 | 0 3 | 13 17 | 1 47 | 20 28 | 15 26 | 19 26 | 19 48 | 16 43 | 12 8 | 6 25 |
| S 27 | 3 22 | 13 45 | 1 24 | 9 57 | 0 52 | 9 9 | 3 18 | 0 19 | 0 47 | 7 8 | 1 36 | 4 2 | 2 8 | 22 12 | 0 3 | 13 17 | 1 47 | 20 28 | 15 26 | 19 26 | 19 48 | 16 41 | 12 9 | 6 25 |
| S 28 | 3 46 | 18 25 | 0 16 | 10 37 | 0 58 | 9 8 | 3 8 | 0 35 | 0 47 | 7 5 | 1 36 | 3 59 | 2 8 | 22 13 | 0 3 | 13 18 | 1 47 | 20 27 | 15 26 | 19 25 | 19 47 | 16 38 | 12 9 | 6 25 |
| M29 | 4 9 | 22 19 | 0s53 | 11 16 | 1 5 | 9 6 | 2 57 | 0 51 | 0 46 | 7 2 | 1 36 | 3 56 | 2 8 | 22 13 | 0 3 | 13 19 | 1 47 | 20 27 | 15 27 | 19 25 | 19 46 | 16 36 | 12 10 | 6 24 |
| T 30 | 4s33 | 25s 9 | 2s 1 | 11s55 | 1s12 | 9n 3 | 2s47 | 1s 8 | 0n46 | 6n59 | 1s36 | 3n53 | 2n 8 | 22s13 | 0s 3 | 13s19 | 1n47 | 20n26 | 15n27 | 19n26 | 19n46 | 16n33 | 12s10 | 6n24 |

Julian Day Number = 2078880.5, Delta T = 26m06s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'11, Lahiri = 9°38'12 Julian Calendar 1 Sept. 979 == Greg. Calendar 6 Sept. 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## OCTOBER 979 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 57 11 | 12♎25'48 | 2♉40 | 29♎24 | 0♍16 | 5♎14 | 21°R27 | 25♍18 | 10♐40 | 10♏24 | 14♍13 | 26♉18 | 27♉39 | 29♌30 | 8°R 2 | W 1 |
| T 2 | 1 1 7 | 13°25'35 | 16°24 | 0♏51 | 0°54 | 5°54 | 21♈19 | 25°25 | 10°42 | 10°26 | 14°15 | 26°R18 | 27°36 | 29°37 | 8♒ 1 | T 2 |
| F 3 | 1 5 4 | 14°25'23 | 0♒27 | 2°18 | 1°33 | 6°34 | 21°11 | 25°32 | 10°44 | 10°28 | 14°17 | 26°17 | 27°33 | 29°44 | 8° 0 | F 3 |
| S 4 | 1 9 1 | 15°25'13 | 14°50 | 3°44 | 2°14 | 7°14 | 21° 3 | 25°40 | 10°47 | 10°30 | 14°19 | 26°14 | 27°30 | 29°50 | 8° 0 | S 4 |
| S 5 | 1 12 57 | 16°25'04 | 29°29 | 5° 9 | 2°55 | 7°54 | 20°55 | 25°47 | 10°49 | 10°32 | 14°21 | 26° 9 | 27°26 | 29°57 | 7°59 | S 5 |
| M 6 | 1 16 54 | 17°24'58 | 14♓19 | 6°34 | 3°38 | 8°34 | 20°47 | 25°54 | 10°52 | 10°34 | 14°23 | 26° 4 | 27°23 | 0♍ 4 | 7°59 | M 6 |
| T 7 | 1 20 50 | 18°24'53 | 29°13 | 7°58 | 4°22 | 9°14 | 20°39 | 26° 1 | 10°54 | 10°36 | 14°25 | 25°58 | 27°20 | 0°11 | 7°58 | T 7 |
| W 8 | 1 24 47 | 19°24'50 | 14♈ 1 | 9°21 | 5° 7 | 9°54 | 20°31 | 26° 8 | 10°57 | 10°38 | 14°27 | 25°53 | 27°17 | 0°17 | 7°58 | W 8 |
| T 9 | 1 28 43 | 20°24'48 | 28°36 | 10°43 | 5°52 | 10°34 | 20°23 | 26°15 | 10°59 | 10°40 | 14°29 | 25°48 | 27°14 | 0°24 | 7°57 | T 9 |
| F 10 | 1 32 40 | 21°24'49 | 12♉52 | 12° 4 | 6°39 | 11°15 | 20°14 | 26°22 | 11° 2 | 10°43 | 14°31 | 25°46 | 27°11 | 0°31 | 7°57 | F 10 |
| S 11 | 1 36 36 | 22°24'52 | 26°43 | 13°24 | 7°27 | 11°55 | 20° 6 | 26°28 | 11° 5 | 10°45 | 14°33 | 25°D45 | 27° 7 | 0°37 | 7°57 | S 11 |
| S 12 | 1 40 33 | 23°24'57 | 10♊ 9 | 14°42 | 8°15 | 12°35 | 19°58 | 26°35 | 11° 7 | 10°47 | 14°35 | 25°46 | 27° 4 | 0°44 | 7°57 | S 12 |
| M13 | 1 44 30 | 24°25'04 | 23°10 | 16° 0 | 9° 5 | 13°15 | 19°50 | 26°42 | 11°10 | 10°49 | 14°37 | 25°48 | 27° 1 | 0°51 | 7°D57 | M13 |
| T 14 | 1 48 26 | 25°25'14 | 5♋48 | 17°16 | 9°55 | 13°56 | 19°42 | 26°49 | 11°13 | 10°51 | 14°38 | 25°49 | 26°58 | 0°58 | 7°57 | T 14 |
| W15 | 1 52 23 | 26°25'25 | 18° 8 | 18°31 | 10°46 | 14°36 | 19°34 | 26°56 | 11°16 | 10°53 | 14°40 | 25°51 | 26°55 | 1° 4 | 7°57 | W15 |
| T 16 | 1 56 19 | 27°25'39 | 0♌14 | 19°44 | 11°38 | 15°17 | 19°26 | 27° 2 | 11°19 | 10°56 | 14°42 | 25°R51 | 26°52 | 1°11 | 7°57 | T 16 |
| F 17 | 2 0 16 | 28°25'54 | 12°11 | 20°56 | 12°30 | 15°57 | 19°18 | 27° 9 | 11°22 | 10°58 | 14°44 | 25°50 | 26°48 | 1°18 | 7°57 | F 17 |
| S 18 | 2 4 12 | 29°26'12 | 24° 3 | 22° 5 | 13°24 | 16°38 | 19°10 | 27°16 | 11°24 | 11° 0 | 14°46 | 25°48 | 26°45 | 1°24 | 7°58 | S 18 |
| S 19 | 2 8 9 | 0♏26'32 | 5♍55 | 23°12 | 14°18 | 17°18 | 19° 2 | 27°22 | 11°27 | 11° 2 | 14°47 | 25°45 | 26°42 | 1°31 | 7°58 | S 19 |
| M20 | 2 12 5 | 1°26'53 | 17°51 | 24°16 | 15°12 | 17°59 | 18°54 | 27°29 | 11°30 | 11° 5 | 14°49 | 25°41 | 26°39 | 1°38 | 7°58 | M20 |
| T 21 | 2 16 2 | 2°27'17 | 29°54 | 25°18 | 16° 8 | 18°39 | 18°47 | 27°35 | 11°33 | 11° 7 | 14°51 | 25°36 | 26°36 | 1°45 | 7°59 | T 21 |
| W22 | 2 19 58 | 3°27'42 | 12♎ 7 | 26°16 | 17° 3 | 19°20 | 18°39 | 27°42 | 11°36 | 11° 9 | 14°52 | 25°33 | 26°32 | 1°51 | 7°59 | W22 |
| T 23 | 2 23 55 | 4°28'09 | 24°31 | 27°11 | 18° 0 | 20° 1 | 18°31 | 27°48 | 11°39 | 11°11 | 14°54 | 25°29 | 26°29 | 1°58 | 8° 0 | T 23 |
| F 24 | 2 27 52 | 5°28'38 | 7♏ 7 | 28° 2 | 18°57 | 20°41 | 18°24 | 27°55 | 11°42 | 11°13 | 14°55 | 25°27 | 26°26 | 2° 5 | 8° 1 | F 24 |
| S 25 | 2 31 48 | 6°29'09 | 19°56 | 28°48 | 19°54 | 21°22 | 18°17 | 28° 1 | 11°46 | 11°16 | 14°57 | 25°D26 | 26°23 | 2°12 | 8° 1 | S 25 |
| S 26 | 2 35 45 | 7°29'41 | 2♐57 | 29°29 | 20°52 | 22° 3 | 18° 9 | 28° 7 | 11°49 | 11°18 | 14°59 | 25°26 | 26°20 | 2°18 | 8° 2 | S 26 |
| M27 | 2 39 41 | 8°30'15 | 16°11 | 0♐ 5 | 21°51 | 22°44 | 18° 2 | 28°13 | 11°52 | 11°20 | 15° 0 | 25°27 | 26°17 | 2°25 | 8° 3 | M27 |
| T 28 | 2 43 38 | 9°30'50 | 29°38 | 0°33 | 22°50 | 23°24 | 17°55 | 28°20 | 11°55 | 11°23 | 15° 2 | 25°29 | 26°13 | 2°32 | 8° 4 | T 28 |
| W29 | 2 47 34 | 10°31'27 | 13♑16 | 0°55 | 23°50 | 24° 5 | 17°48 | 28°26 | 11°58 | 11°25 | 15° 3 | 25°30 | 26°10 | 2°38 | 8° 5 | W29 |
| T 30 | 2 51 31 | 11°32'05 | 27° 7 | 1° 9 | 24°50 | 24°46 | 17°41 | 28°32 | 12° 2 | 11°27 | 15° 4 | 25°31 | 26° 7 | 2°45 | 8° 6 | T 30 |
| F 31 | 2 55 28 | 12♏32'43 | 11♒ 8 | 1°R14 | 25♍50 | 25♎27 | 17♈35 | 28♍38 | 12♐ 5 | 11♏29 | 15♍ 6 | 25°R31 | 26♉ 4 | 2♍52 | 8♒ 7 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 4s56 | 26s37 | 3s 4 | 12s33 | 1s18 | 9n 0 | 2s37 | 1s24 | 0n45 | 6n56 | 1s36 | 3n51 | 2n 9 | 22s14 | 0s 3 | 13s20 | 1n47 | 20n26 | 15n27 | 19n26 | 19n45 | 16n31 | 12s11 | 6n23 |
| T 2 | 5 20 | 26 30 | 3 58 | 13 10 | 1 25 | 8 56 | 2 27 | 1 40 | 0 45 | 6 53 | 1 36 | 3 48 | 2 9 | 22 14 | 0 3 | 13 20 | 1 47 | 20 25 | 15 27 | 19 26 | 19 44 | 16 29 | 12 12 | 6 23 |
| F 3 | 5 43 | 24 42 | 4 39 | 13 46 | 1 31 | 8 51 | 2 17 | 1 56 | 0 45 | 6 50 | 1 36 | 3 45 | 2 9 | 22 14 | 0 3 | 13 21 | 1 47 | 20 24 | 15 28 | 19 26 | 19 43 | 16 26 | 12 12 | 6 23 |
| S 4 | 6 6 | 21 18 | 5 4 | 14 22 | 1 38 | 8 46 | 2 7 | 2 13 | 0 44 | 6 47 | 1 36 | 3 42 | 2 9 | 22 15 | 0 3 | 13 22 | 1 47 | 20 24 | 15 28 | 19 25 | 19 43 | 16 24 | 12 13 | 6 22 |
| S 5 | 6 29 | 16 32 | 5 9 | 14 56 | 1 44 | 8 40 | 1 58 | 2 29 | 0 44 | 6 44 | 1 36 | 3 40 | 2 9 | 22 15 | 0 3 | 13 23 | 1 47 | 20 23 | 15 28 | 19 24 | 19 42 | 16 21 | 12 13 | 6 22 |
| M 6 | 6 52 | 10 43 | 4 54 | 15 30 | 1 50 | 8 33 | 1 48 | 2 45 | 0 43 | 6 41 | 1 36 | 3 37 | 2 9 | 22 15 | 0 3 | 13 23 | 1 47 | 20 23 | 15 29 | 19 23 | 19 41 | 16 19 | 12 14 | 6 21 |
| T 7 | 7 15 | 4 17 | 4 20 | 16 3 | 1 55 | 8 26 | 1 39 | 3 1 | 0 43 | 6 38 | 1 36 | 3 34 | 2 9 | 22 16 | 0 3 | 13 24 | 1 47 | 20 22 | 15 29 | 19 21 | 19 40 | 16 16 | 12 14 | 6 21 |
| W 8 | 7 38 | 2n22 | 3 27 | 16 36 | 2 1 | 8 18 | 1 30 | 3 18 | 0 42 | 6 35 | 1 36 | 3 31 | 2 9 | 22 16 | 0 3 | 13 25 | 1 47 | 20 22 | 15 29 | 19 20 | 19 40 | 16 14 | 12 15 | 6 21 |
| T 9 | 8 1 | 8 49 | 2 22 | 17 7 | 2 6 | 8 9 | 1 21 | 3 34 | 0 42 | 6 32 | 1 36 | 3 29 | 2 9 | 22 16 | 0 3 | 13 25 | 1 47 | 20 22 | 15 30 | 19 19 | 19 39 | 16 11 | 12 15 | 6 20 |
| F 10 | 8 24 | 14 41 | 1 10 | 17 37 | 2 11 | 8 0 | 1 13 | 3 50 | 0 42 | 6 29 | 1 36 | 3 26 | 2 10 | 22 17 | 0 3 | 13 26 | 1 47 | 20 21 | 15 30 | 19 18 | 19 38 | 16 9 | 12 16 | 6 20 |
| S 11 | 8 46 | 19 37 | 0n 5 | 18 7 | 2 16 | 7 50 | 1 4 | 4 6 | 0 41 | 6 26 | 1 36 | 3 23 | 2 10 | 22 17 | 0 4 | 13 27 | 1 47 | 20 21 | 15 30 | 19 18 | 19 38 | 16 6 | 12 16 | 6 19 |
| S 12 | 9 9 | 23 23 | 1 18 | 18 35 | 2 21 | 7 39 | 0 56 | 4 22 | 0 41 | 6 23 | 1 35 | 3 21 | 2 10 | 22 18 | 0 4 | 13 27 | 1 47 | 20 20 | 15 31 | 19 18 | 19 37 | 16 4 | 12 16 | 6 19 |
| M13 | 9 31 | 25 48 | 2 24 | 19 2 | 2 25 | 7 28 | 0 48 | 4 39 | 0 40 | 6 20 | 1 35 | 3 18 | 2 10 | 22 18 | 0 4 | 13 28 | 1 47 | 20 20 | 15 31 | 19 19 | 19 36 | 16 1 | 12 17 | 6 19 |
| T 14 | 9 53 | 26 48 | 3 22 | 19 28 | 2 29 | 7 17 | 0 40 | 4 55 | 0 40 | 6 17 | 1 35 | 3 16 | 2 10 | 22 18 | 0 4 | 13 29 | 1 47 | 20 19 | 15 31 | 19 19 | 19 35 | 15 59 | 12 17 | 6 18 |
| W15 | 10 15 | 26 26 | 4 8 | 19 53 | 2 33 | 7 5 | 0 32 | 5 11 | 0 39 | 6 14 | 1 35 | 3 13 | 2 10 | 22 19 | 0 4 | 13 29 | 1 47 | 20 19 | 15 32 | 19 20 | 19 35 | 15 56 | 12 18 | 6 18 |
| T 16 | 10 37 | 24 49 | 4 43 | 20 16 | 2 36 | 6 52 | 0 24 | 5 27 | 0 39 | 6 11 | 1 35 | 3 10 | 2 10 | 22 19 | 0 4 | 13 30 | 1 46 | 20 19 | 15 32 | 19 20 | 19 34 | 15 54 | 12 18 | 6 17 |
| F 17 | 10 59 | 22 6 | 5 5 | 20 38 | 2 39 | 6 39 | 0 17 | 5 43 | 0 38 | 6 8 | 1 35 | 3 8 | 2 10 | 22 20 | 0 4 | 13 31 | 1 46 | 20 18 | 15 32 | 19 19 | 19 33 | 15 51 | 12 18 | 6 17 |
| S 18 | 11 20 | 18 30 | 5 13 | 20 59 | 2 41 | 6 25 | 0 10 | 5 59 | 0 38 | 6 5 | 1 35 | 3 5 | 2 11 | 22 20 | 0 4 | 13 32 | 1 46 | 20 18 | 15 33 | 19 19 | 19 32 | 15 49 | 12 19 | 6 17 |
| S 19 | 11 41 | 14 10 | 5 8 | 21 18 | 2 43 | 6 10 | 0 3 | 6 15 | 0 38 | 6 2 | 1 35 | 3 3 | 2 11 | 22 20 | 0 4 | 13 32 | 1 46 | 20 18 | 15 33 | 19 18 | 19 32 | 15 46 | 12 19 | 6 16 |
| M20 | 12 3 | 9 16 | 4 50 | 21 35 | 2 44 | 5 56 | 0n 4 | 6 31 | 0 37 | 5 59 | 1 34 | 3 0 | 2 11 | 22 21 | 0 4 | 13 33 | 1 46 | 20 17 | 15 34 | 19 17 | 19 31 | 15 44 | 12 19 | 6 16 |
| T 21 | 12 24 | 4 0 | 4 19 | 21 51 | 2 44 | 5 40 | 0 11 | 6 47 | 0 37 | 5 57 | 1 34 | 2 58 | 2 11 | 22 21 | 0 4 | 13 34 | 1 46 | 20 17 | 15 34 | 19 16 | 19 30 | 15 41 | 12 20 | 6 15 |
| W22 | 12 44 | 1s30 | 3 36 | 22 5 | 2 44 | 5 24 | 0 17 | 7 3 | 0 36 | 5 54 | 1 34 | 2 55 | 2 11 | 22 22 | 0 4 | 13 34 | 1 46 | 20 17 | 15 34 | 19 15 | 19 29 | 15 39 | 12 20 | 6 15 |
| T 23 | 13 5 | 7 2 | 2 42 | 22 18 | 2 44 | 5 8 | 0 24 | 7 19 | 0 36 | 5 51 | 1 34 | 2 53 | 2 11 | 22 22 | 0 4 | 13 35 | 1 46 | 20 17 | 15 35 | 19 14 | 19 29 | 15 36 | 12 20 | 6 14 |
| F 24 | 13 25 | 12 24 | 1 39 | 22 28 | 2 42 | 4 51 | 0 30 | 7 35 | 0 35 | 5 48 | 1 34 | 2 51 | 2 11 | 22 22 | 0 4 | 13 36 | 1 46 | 20 16 | 15 35 | 19 14 | 19 28 | 15 34 | 12 20 | 6 14 |
| S 25 | 13 45 | 17 20 | 0 30 | 22 36 | 2 40 | 4 34 | 0 36 | 7 50 | 0 35 | 5 46 | 1 34 | 2 48 | 2 12 | 22 23 | 0 4 | 13 36 | 1 46 | 20 16 | 15 36 | 19 14 | 19 27 | 15 31 | 12 21 | 6 14 |
| S 26 | 14 5 | 21 32 | 0s41 | 22 42 | 2 36 | 4 17 | 0 42 | 8 6 | 0 34 | 5 43 | 1 33 | 2 46 | 2 12 | 22 23 | 0 4 | 13 37 | 1 46 | 20 16 | 15 36 | 19 14 | 19 26 | 15 29 | 12 21 | 6 13 |
| M27 | 14 25 | 24 43 | 1 52 | 22 45 | 2 32 | 3 59 | 0 48 | 8 22 | 0 34 | 5 41 | 1 33 | 2 44 | 2 12 | 22 24 | 0 4 | 13 38 | 1 46 | 20 16 | 15 37 | 19 14 | 19 26 | 15 26 | 12 21 | 6 13 |
| T 28 | 14 44 | 26 32 | 2 58 | 22 45 | 2 26 | 3 40 | 0 53 | 8 38 | 0 33 | 5 38 | 1 33 | 2 41 | 2 12 | 22 24 | 0 4 | 13 39 | 1 46 | 20 16 | 15 37 | 19 14 | 19 25 | 15 24 | 12 21 | 6 12 |
| W29 | 15 4 | 26 48 | 3 54 | 22 43 | 2 19 | 3 22 | 0 59 | 8 53 | 0 33 | 5 36 | 1 33 | 2 39 | 2 12 | 22 25 | 0 4 | 13 39 | 1 46 | 20 15 | 15 37 | 19 15 | 19 24 | 15 21 | 12 21 | 6 12 |
| T 30 | 15 23 | 25 24 | 4 38 | 22 38 | 2 11 | 3 2 | 1 4 | 9 9 | 0 32 | 5 33 | 1 33 | 2 37 | 2 13 | 22 25 | 0 4 | 13 40 | 1 46 | 20 15 | 15 38 | 19 15 | 19 23 | 15 19 | 12 21 | 6 12 |
| F 31 | 15s41 | 22s26 | 5s 6 | 22s30 | 2s 1 | 2n43 | 1n 9 | 9s24 | 0n32 | 5n31 | 1s32 | 2n34 | 2n13 | 22s26 | 0s 4 | 13s41 | 1n46 | 20n15 | 15n38 | 19n15 | 19n23 | 15n16 | 12s22 | 6n11 |

Julian Day Number = 2078910.5, Delta T = 26m06s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'15, Lahiri = 9°38'16 Julian Calendar 1 Oct. 979 == Greg. Calendar 6 Oct. 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## NOVEMBER 979 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 59 24 | 13♏33'24 | 25♒20 | 1°R10 | 26♍51 | 26♎ 8 | 17°R28 | 28♍44 | 12♐ 8 | 11♏32 | 15♍ 7 | 25°R31 | 26♉ 1 | 2♍59 | 8♒ 8 | S 1 |
| S 2 | 3 3 21 | 14°34'05 | 9♓39 | 0♐55 | 27°52 | 26°49 | 17♈22 | 28°50 | 12°11 | 11°34 | 15° 9 | 25♉30 | 25°58 | 3° 5 | 8° 9 | S 2 |
| M 3 | 3 7 17 | 15°34'47 | 24° 2 | 0°30 | 28°54 | 27°30 | 17°15 | 28°56 | 12°15 | 11°36 | 15°10 | 25°29 | 25°54 | 3°12 | 8°11 | M 3 |
| T 4 | 3 11 14 | 16°35'30 | 8♈27 | 29♏55 | 29°56 | 28°11 | 17° 9 | 29° 1 | 12°18 | 11°38 | 15°11 | 25°28 | 25°51 | 3°19 | 8°12 | T 4 |
| W 5 | 3 15 10 | 17°36'15 | 22°47 | 29° 9 | 0♎59 | 28°52 | 17° 3 | 29° 7 | 12°21 | 11°41 | 15°13 | 25°27 | 25°48 | 3°26 | 8°13 | W 5 |
| T 6 | 3 19 7 | 18°37'01 | 6♉58 | 28°12 | 2° 2 | 29°34 | 16°57 | 29°13 | 12°25 | 11°43 | 15°14 | 25°26 | 25°45 | 3°32 | 8°15 | T 6 |
| F 7 | 3 23 3 | 19°37'48 | 20°55 | 27° 6 | 3° 5 | 0♏15 | 16°52 | 29°18 | 12°28 | 11°45 | 15°15 | 25°D26 | 25°42 | 3°39 | 8°16 | F 7 |
| S 8 | 3 27 0 | 20°38'36 | 4♊34 | 25°53 | 4° 9 | 0°56 | 16°46 | 29°24 | 12°32 | 11°47 | 15°16 | 25°26 | 25°38 | 3°46 | 8°18 | S 8 |
| S 9 | 3 30 57 | 21°39'26 | 17°54 | 24°34 | 5°12 | 1°37 | 16°41 | 29°29 | 12°35 | 11°50 | 15°17 | 25°26 | 25°35 | 3°52 | 8°20 | S 9 |
| M10 | 3 34 53 | 22°40'17 | 0♋54 | 23°12 | 6°17 | 2°19 | 16°36 | 29°35 | 12°39 | 11°52 | 15°19 | 25°26 | 25°32 | 3°59 | 8°21 | M10 |
| T 11 | 3 38 50 | 23°41'10 | 13°34 | 21°50 | 7°21 | 3° 0 | 16°31 | 29°40 | 12°42 | 11°54 | 15°20 | 25°27 | 25°29 | 4° 6 | 8°23 | T 11 |
| W12 | 3 42 46 | 24°42'03 | 25°57 | 20°30 | 8°26 | 3°41 | 16°26 | 29°45 | 12°46 | 11°56 | 15°21 | 25°27 | 25°26 | 4°13 | 8°25 | W12 |
| T 13 | 3 46 43 | 25°42'59 | 8♌ 5 | 19°15 | 9°31 | 4°23 | 16°21 | 29°50 | 12°49 | 11°58 | 15°22 | 25°R27 | 25°23 | 4°19 | 8°27 | T 13 |
| F 14 | 3 50 39 | 26°43'55 | 20° 4 | 18° 7 | 10°37 | 5° 4 | 16°17 | 29°55 | 12°53 | 12° 1 | 15°23 | 25°27 | 25°19 | 4°26 | 8°29 | F 14 |
| S 15 | 3 54 36 | 27°44'53 | 1♍57 | 17° 8 | 11°43 | 5°46 | 16°12 | 0♎ 0 | 12°56 | 12° 3 | 15°24 | 25°D27 | 25°16 | 4°33 | 8°31 | S 15 |
| S 16 | 3 58 32 | 28°45'52 | 13°50 | 16°20 | 12°49 | 6°27 | 16° 8 | 0° 5 | 13° 0 | 12° 5 | 15°25 | 25°27 | 25°13 | 4°39 | 8°33 | S 16 |
| M17 | 4 2 29 | 29°46'52 | 25°46 | 15°43 | 13°55 | 7° 9 | 16° 4 | 0°10 | 13° 3 | 12° 7 | 15°26 | 25°27 | 25°10 | 4°46 | 8°35 | M17 |
| T 18 | 4 6 26 | 0♐47'53 | 7♎51 | 15°18 | 15° 2 | 7°51 | 16° 0 | 0°15 | 13° 7 | 12° 9 | 15°26 | 25°28 | 25° 7 | 4°53 | 8°37 | T 18 |
| W19 | 4 10 22 | 1°48'56 | 20° 8 | 15° 3 | 16° 8 | 8°32 | 15°57 | 0°20 | 13°10 | 12°11 | 15°27 | 25°29 | 25° 3 | 5° 0 | 8°39 | W19 |
| T 20 | 4 14 19 | 2°50'00 | 2♏41 | 15°D 0 | 17°15 | 9°14 | 15°53 | 0°25 | 13°14 | 12°14 | 15°28 | 25°29 | 25° 0 | 5° 6 | 8°42 | T 20 |
| F 21 | 4 18 15 | 3°51'04 | 15°30 | 15° 7 | 18°23 | 9°56 | 15°50 | 0°29 | 13°18 | 12°16 | 15°29 | 25°30 | 24°57 | 5°13 | 8°44 | F 21 |
| S 22 | 4 22 12 | 4°52'10 | 28°38 | 15°23 | 19°30 | 10°37 | 15°47 | 0°34 | 13°21 | 12°18 | 15°30 | 25°R30 | 24°54 | 5°20 | 8°46 | S 22 |
| S 23 | 4 26 8 | 5°53'16 | 12♐ 4 | 15°47 | 20°38 | 11°19 | 15°45 | 0°38 | 13°25 | 12°20 | 15°30 | 25°29 | 24°51 | 5°27 | 8°49 | S 23 |
| M24 | 4 30 5 | 6°54'23 | 25°45 | 16°20 | 21°46 | 12° 1 | 15°42 | 0°42 | 13°28 | 12°22 | 15°31 | 25°28 | 24°48 | 5°33 | 8°51 | M24 |
| T 25 | 4 34 1 | 7°55'31 | 9♑40 | 16°59 | 22°54 | 12°43 | 15°40 | 0°47 | 13°32 | 12°24 | 15°32 | 25°27 | 24°44 | 5°40 | 8°54 | T 25 |
| W26 | 4 37 58 | 8°56'40 | 23°45 | 17°44 | 24° 2 | 13°25 | 15°37 | 0°51 | 13°36 | 12°26 | 15°32 | 25°25 | 24°41 | 5°47 | 8°56 | W26 |
| T 27 | 4 41 55 | 9°57'48 | 7♒56 | 18°35 | 25°10 | 14° 7 | 15°36 | 0°55 | 13°39 | 12°28 | 15°33 | 25°23 | 24°38 | 5°53 | 8°59 | T 27 |
| F 28 | 4 45 51 | 10°58'57 | 22° 9 | 19°30 | 26°19 | 14°49 | 15°34 | 0°59 | 13°43 | 12°30 | 15°33 | 25°22 | 24°35 | 6° 0 | 9° 2 | F 28 |
| S 29 | 4 49 48 | 12° 0'06 | 6♓22 | 20°30 | 27°28 | 15°31 | 15°32 | 1° 3 | 13°47 | 12°32 | 15°34 | 25°D21 | 24°32 | 6° 7 | 9° 5 | S 29 |
| S 30 | 4 53 44 | 13♐ 1'16 | 20♓32 | 21♏33 | 28♎37 | 16♏13 | 15♈31 | 1♎ 7 | 13♐50 | 12♏34 | 15♍34 | 25♉21 | 24♉29 | 6♍14 | 9♒ 7 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s 0 | 18s 6 | 5s16 | 22s18 | 1s50 | 2n23 | 1n14 | 9s40 | 0n31 | 5n28 | 1s32 | 2n32 | 2n13 | 22s26 | 0s 4 | 13s41 | 1n46 | 20n15 | 15n39 | 19n15 | 19n22 | 15n13 | 12s22 | 6n11 |
| S 2 | 16 18 | 12 43 | 5 7 | 22 2 | 1 37 | 2 3 | 1 18 | 9 55 | 0 31 | 5 26 | 1 32 | 2 30 | 2 13 | 22 26 | 0 4 | 13 42 | 1 46 | 20 15 | 15 39 | 19 15 | 19 21 | 15 11 | 12 22 | 6 10 |
| M 3 | 16 36 | 6 38 | 4 38 | 21 43 | 1 23 | 1 42 | 1 23 | 10 10 | 0 30 | 5 24 | 1 32 | 2 28 | 2 13 | 22 27 | 0 4 | 13 43 | 1 46 | 20 15 | 15 40 | 19 14 | 19 20 | 15 8 | 12 22 | 6 10 |
| T 4 | 16 53 | 0 11 | 3 52 | 21 20 | 1 7 | 1 22 | 1 27 | 10 26 | 0 30 | 5 22 | 1 32 | 2 26 | 2 13 | 22 27 | 0 4 | 13 43 | 1 46 | 20 15 | 15 40 | 19 14 | 19 20 | 15 6 | 12 22 | 6 10 |
| W 5 | 17 11 | 6n16 | 2 51 | 20 53 | 0 49 | 1 0 | 1 32 | 10 41 | 0 29 | 5 20 | 1 31 | 2 24 | 2 14 | 22 28 | 0 4 | 13 44 | 1 46 | 20 15 | 15 41 | 19 14 | 19 19 | 15 3 | 12 22 | 6 9 |
| T 6 | 17 28 | 12 20 | 1 41 | 20 22 | 0 31 | 0 39 | 1 36 | 10 56 | 0 29 | 5 18 | 1 31 | 2 22 | 2 14 | 22 28 | 0 4 | 13 45 | 1 46 | 20 15 | 15 41 | 19 14 | 19 18 | 15 0 | 12 22 | 6 9 |
| F 7 | 17 44 | 17 41 | 0 25 | 19 48 | 0 11 | 0 17 | 1 40 | 11 11 | 0 28 | 5 16 | 1 31 | 2 20 | 2 14 | 22 29 | 0 4 | 13 45 | 1 46 | 20 14 | 15 42 | 19 14 | 19 17 | 14 58 | 12 22 | 6 8 |
| S 8 | 18 1 | 22 0 | 0n50 | 19 11 | 0n10 | 0s 5 | 1 43 | 11 26 | 0 28 | 5 14 | 1 31 | 2 18 | 2 14 | 22 29 | 0 4 | 13 46 | 1 46 | 20 14 | 15 42 | 19 14 | 19 17 | 14 55 | 12 22 | 6 8 |
| S 9 | 18 17 | 25 2 | 2 1 | 18 32 | 0 30 | 0 27 | 1 47 | 11 41 | 0 27 | 5 12 | 1 30 | 2 16 | 2 14 | 22 30 | 0 4 | 13 47 | 1 46 | 20 14 | 15 43 | 19 14 | 19 16 | 14 53 | 12 22 | 6 8 |
| M10 | 18 33 | 26 38 | 3 4 | 17 52 | 0 50 | 0 49 | 1 50 | 11 56 | 0 27 | 5 10 | 1 30 | 2 14 | 2 15 | 22 30 | 0 4 | 13 47 | 1 46 | 20 14 | 15 43 | 19 14 | 19 15 | 14 50 | 12 22 | 6 7 |
| T 11 | 18 48 | 26 48 | 3 56 | 17 12 | 1 10 | 1 12 | 1 54 | 12 10 | 0 26 | 5 9 | 1 30 | 2 12 | 2 15 | 22 31 | 0 4 | 13 48 | 1 46 | 20 15 | 15 44 | 19 14 | 19 14 | 14 47 | 12 22 | 6 7 |
| W12 | 19 3 | 25 36 | 4 36 | 16 33 | 1 28 | 1 35 | 1 57 | 12 25 | 0 26 | 5 7 | 1 30 | 2 10 | 2 15 | 22 31 | 0 4 | 13 49 | 1 46 | 20 15 | 15 44 | 19 14 | 19 14 | 14 45 | 12 22 | 6 6 |
| T 13 | 19 18 | 23 13 | 5 3 | 15 57 | 1 45 | 1 58 | 2 0 | 12 40 | 0 25 | 5 6 | 1 29 | 2 8 | 2 15 | 22 31 | 0 4 | 13 49 | 1 46 | 20 15 | 15 45 | 19 14 | 19 13 | 14 42 | 12 21 | 6 6 |
| F 14 | 19 32 | 19 51 | 5 16 | 15 24 | 2 0 | 2 21 | 2 3 | 12 54 | 0 24 | 5 4 | 1 29 | 2 6 | 2 15 | 22 32 | 0 4 | 13 50 | 1 46 | 20 15 | 15 45 | 19 14 | 19 12 | 14 40 | 12 21 | 6 6 |
| S 15 | 19 46 | 15 44 | 5 15 | 14 56 | 2 13 | 2 44 | 2 5 | 13 8 | 0 24 | 5 3 | 1 29 | 2 4 | 2 16 | 22 32 | 0 4 | 13 51 | 1 46 | 20 15 | 15 46 | 19 14 | 19 11 | 14 37 | 12 21 | 6 5 |
| S 16 | 20 0 | 11 1 | 5 1 | 14 32 | 2 23 | 3 8 | 2 8 | 13 23 | 0 23 | 5 1 | 1 28 | 2 2 | 2 16 | 22 33 | 0 4 | 13 51 | 1 46 | 20 15 | 15 46 | 19 14 | 19 11 | 14 34 | 12 21 | 6 5 |
| M17 | 20 13 | 5 52 | 4 34 | 14 13 | 2 31 | 3 31 | 2 10 | 13 37 | 0 23 | 5 0 | 1 28 | 2 1 | 2 16 | 22 33 | 0 4 | 13 52 | 1 47 | 20 15 | 15 47 | 19 14 | 19 10 | 14 32 | 12 21 | 6 5 |
| T 18 | 20 26 | 0 27 | 3 54 | 14 0 | 2 37 | 3 55 | 2 13 | 13 51 | 0 22 | 4 59 | 1 28 | 1 59 | 2 16 | 22 34 | 0 4 | 13 53 | 1 47 | 20 15 | 15 47 | 19 14 | 19 9 | 14 29 | 12 21 | 6 4 |
| W19 | 20 38 | 5s 5 | 3 4 | 13 52 | 2 42 | 4 19 | 2 15 | 14 5 | 0 22 | 4 58 | 1 27 | 1 57 | 2 17 | 22 34 | 0 4 | 13 53 | 1 47 | 20 15 | 15 48 | 19 14 | 19 8 | 14 26 | 12 20 | 6 4 |
| T 20 | 20 51 | 10 33 | 2 3 | 13 49 | 2 44 | 4 43 | 2 17 | 14 19 | 0 21 | 4 57 | 1 27 | 1 56 | 2 17 | 22 35 | 0 4 | 13 54 | 1 47 | 20 15 | 15 49 | 19 14 | 19 7 | 14 24 | 12 20 | 6 4 |
| F 21 | 21 2 | 15 42 | 0 55 | 13 50 | 2 45 | 5 7 | 2 18 | 14 33 | 0 21 | 4 56 | 1 27 | 1 54 | 2 17 | 22 35 | 0 4 | 13 55 | 1 47 | 20 16 | 15 49 | 19 15 | 19 7 | 14 21 | 12 20 | 6 3 |
| S 22 | 21 14 | 20 15 | 0s17 | 13 55 | 2 44 | 5 31 | 2 20 | 14 47 | 0 20 | 4 55 | 1 27 | 1 52 | 2 17 | 22 36 | 0 4 | 13 55 | 1 47 | 20 16 | 15 50 | 19 15 | 19 6 | 14 18 | 12 20 | 6 3 |
| S 23 | 21 25 | 23 51 | 1 30 | 14 4 | 2 42 | 5 55 | 2 22 | 15 0 | 0 19 | 4 54 | 1 26 | 1 51 | 2 18 | 22 36 | 0 4 | 13 56 | 1 47 | 20 16 | 15 50 | 19 14 | 19 5 | 14 16 | 12 19 | 6 2 |
| M24 | 21 35 | 26 10 | 2 40 | 14 16 | 2 40 | 6 19 | 2 23 | 15 14 | 0 19 | 4 53 | 1 26 | 1 49 | 2 18 | 22 36 | 0 4 | 13 57 | 1 47 | 20 16 | 15 51 | 19 14 | 19 4 | 14 13 | 12 19 | 6 2 |
| T 25 | 21 45 | 26 53 | 3 41 | 14 31 | 2 36 | 6 43 | 2 24 | 15 27 | 0 18 | 4 53 | 1 26 | 1 48 | 2 18 | 22 37 | 0 4 | 13 57 | 1 47 | 20 17 | 15 51 | 19 14 | 19 4 | 14 10 | 12 19 | 6 2 |
| W26 | 21 55 | 25 53 | 4 29 | 14 48 | 2 31 | 7 7 | 2 25 | 15 40 | 0 18 | 4 52 | 1 25 | 1 46 | 2 18 | 22 37 | 0 4 | 13 58 | 1 47 | 20 17 | 15 52 | 19 13 | 19 3 | 14 8 | 12 18 | 6 1 |
| T 27 | 22 4 | 23 14 | 5 1 | 15 7 | 2 26 | 7 31 | 2 26 | 15 53 | 0 17 | 4 52 | 1 25 | 1 45 | 2 19 | 22 38 | 0 4 | 13 58 | 1 47 | 20 17 | 15 52 | 19 13 | 19 2 | 14 5 | 12 18 | 6 1 |
| F 28 | 22 13 | 19 10 | 5 15 | 15 28 | 2 20 | 7 55 | 2 27 | 16 7 | 0 16 | 4 51 | 1 25 | 1 44 | 2 19 | 22 38 | 0 4 | 13 59 | 1 47 | 20 17 | 15 53 | 19 13 | 19 1 | 14 2 | 12 18 | 6 1 |
| S 29 | 22 21 | 14 1 | 5 10 | 15 50 | 2 14 | 8 20 | 2 28 | 16 19 | 0 16 | 4 51 | 1 24 | 1 42 | 2 19 | 22 39 | 0 4 | 14 0 | 1 47 | 20 18 | 15 54 | 19 12 | 19 0 | 14 0 | 12 17 | 6 0 |
| S 30 | 22s29 | 8s 8 | 4s46 | 16s13 | 2n 7 | 8s44 | 2n29 | 16s32 | 0n15 | 4n51 | 1s24 | 1n41 | 2n19 | 22s39 | 0s 4 | 14s 0 | 1n47 | 20n18 | 15n54 | 19n13 | 19n 0 | 13n57 | 12s17 | 6n 0 |

Julian Day Number = 2078941.5, Delta T = 26m06s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'19, Lahiri = 9°38'20 Julian Calendar 1 Nov. 979 == Greg. Calendar 6 Nov. 979


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# ASTRODIENST EPHEMERIS for the year 979
# geocentric

## DECEMBER 979 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 57 41 | 14♐ 2'25 | 4♈38 | 22♏40 | 29♎46 | 16♏55 | 15°R30 | 1♎10 | 13♐54 | 12♏36 | 15♍35 | 25♉22 | 24♉25 | 6♍20 | 9♒10 | M 1 |
| T 2 | 5 1 37 | 15° 3'35 | 18°37 | 23°49 | 0♏55 | 17°37 | 15♈29 | 1°14 | 13°57 | 12°38 | 15°35 | 25°23 | 24°22 | 6°27 | 9°13 | T 2 |
| W 3 | 5 5 34 | 16° 4'44 | 2♉27 | 25° 1 | 2° 5 | 18°19 | 15°28 | 1°18 | 14° 1 | 12°40 | 15°36 | 25°25 | 24°19 | 6°34 | 9°16 | W 3 |
| T 4 | 5 9 30 | 17° 5'54 | 16° 9 | 26°15 | 3°14 | 19° 1 | 15°28 | 1°21 | 14° 5 | 12°42 | 15°36 | 25°26 | 24°16 | 6°40 | 9°19 | T 4 |
| F 5 | 5 13 27 | 18° 7'04 | 29°39 | 27°31 | 4°24 | 19°44 | 15°27 | 1°24 | 14° 8 | 12°44 | 15°36 | 25°R26 | 24°13 | 6°47 | 9°22 | F 5 |
| S 6 | 5 17 24 | 19° 8'15 | 12♊56 | 28°49 | 5°34 | 20°26 | 15°D27 | 1°28 | 14°12 | 12°46 | 15°37 | 25°25 | 24° 9 | 6°54 | 9°25 | S 6 |
| S 7 | 5 21 20 | 20° 9'25 | 26° 0 | 0♐ 8 | 6°44 | 21° 8 | 15°28 | 1°31 | 14°16 | 12°48 | 15°37 | 25°23 | 24° 6 | 7° 1 | 9°28 | S 7 |
| M 8 | 5 25 17 | 21°10'36 | 8♋49 | 1°29 | 7°54 | 21°50 | 15°28 | 1°34 | 14°19 | 12°50 | 15°37 | 25°19 | 24° 3 | 7° 7 | 9°31 | M 8 |
| T 9 | 5 29 13 | 22°11'47 | 21°24 | 2°51 | 9° 5 | 22°33 | 15°28 | 1°37 | 14°23 | 12°52 | 15°37 | 25°15 | 24° 0 | 7°14 | 9°34 | T 9 |
| W10 | 5 33 10 | 23°12'58 | 3♌44 | 4°14 | 10°15 | 23°15 | 15°29 | 1°40 | 14°26 | 12°54 | 15°37 | 25°10 | 23°57 | 7°21 | 9°38 | W10 |
| T 11 | 5 37 6 | 24°14'10 | 15°53 | 5°37 | 11°25 | 23°58 | 15°30 | 1°43 | 14°30 | 12°56 | 15°38 | 25° 5 | 23°54 | 7°28 | 9°41 | T 11 |
| F 12 | 5 41 3 | 25°15'22 | 27°52 | 7° 2 | 12°36 | 24°40 | 15°31 | 1°45 | 14°34 | 12°57 | 15°38 | 25° 1 | 23°50 | 7°34 | 9°44 | F 12 |
| S 13 | 5 45 0 | 26°16'34 | 9♍45 | 8°27 | 13°47 | 25°23 | 15°33 | 1°48 | 14°37 | 12°59 | 15°38 | 24°58 | 23°47 | 7°41 | 9°48 | S 13 |
| S 14 | 5 48 56 | 27°17'46 | 21°37 | 9°54 | 14°58 | 26° 5 | 15°34 | 1°50 | 14°41 | 13° 1 | 15°R38 | 24°56 | 23°44 | 7°48 | 9°51 | S 14 |
| M15 | 5 52 53 | 28°18'58 | 3♎31 | 11°21 | 16° 9 | 26°48 | 15°36 | 1°53 | 14°44 | 13° 3 | 15°38 | 24°D56 | 23°41 | 7°54 | 9°54 | M15 |
| T 16 | 5 56 49 | 29°20'10 | 15°34 | 12°48 | 17°20 | 27°31 | 15°38 | 1°55 | 14°48 | 13° 4 | 15°38 | 24°57 | 23°38 | 8° 1 | 9°58 | T 16 |
| W17 | 6 0 46 | 0♏21'23 | 27°51 | 14°16 | 18°31 | 28°13 | 15°40 | 1°57 | 14°51 | 13° 6 | 15°37 | 24°59 | 23°35 | 8° 8 | 10° 1 | W17 |
| T 18 | 6 4 42 | 1°22'36 | 10♏24 | 15°45 | 19°43 | 28°56 | 15°43 | 1°59 | 14°55 | 13° 8 | 15°37 | 25° 1 | 23°31 | 8°15 | 10° 5 | T 18 |
| F 19 | 6 8 39 | 2°23'48 | 23°20 | 17°14 | 20°54 | 29°39 | 15°45 | 2° 1 | 14°58 | 13° 9 | 15°37 | 25°R 2 | 23°28 | 8°21 | 10° 8 | F 19 |
| S 20 | 6 12 35 | 3°25'01 | 6♐38 | 18°44 | 22° 5 | 0♐21 | 15°48 | 2° 3 | 15° 2 | 13°11 | 15°37 | 25° 1 | 23°25 | 8°28 | 10°12 | S 20 |
| S 21 | 6 16 32 | 4°26'14 | 20°21 | 20°14 | 23°17 | 1° 4 | 15°51 | 2° 5 | 15° 5 | 13°12 | 15°37 | 24°59 | 23°22 | 8°35 | 10°16 | S 21 |
| M22 | 6 20 29 | 5°27'26 | 4♏27 | 21°45 | 24°29 | 1°47 | 15°54 | 2° 7 | 15° 9 | 13°14 | 15°36 | 24°54 | 23°19 | 8°41 | 10°19 | M22 |
| T 23 | 6 24 25 | 6°28'38 | 18°50 | 23°16 | 25°40 | 2°30 | 15°58 | 2° 8 | 15°12 | 13°16 | 15°36 | 24°48 | 23°15 | 8°48 | 10°23 | T 23 |
| W24 | 6 28 22 | 7°29'50 | 3♒25 | 24°48 | 26°52 | 3°13 | 16° 1 | 2°10 | 15°16 | 13°17 | 15°36 | 24°41 | 23°12 | 8°55 | 10°27 | W24 |
| T 25 | 6 32 18 | 8°31'00 | 18° 5 | 26°20 | 28° 4 | 3°56 | 16° 5 | 2°11 | 15°19 | 13°19 | 15°35 | 24°34 | 23° 9 | 9° 2 | 10°31 | T 25 |
| F 26 | 6 36 15 | 9°32'11 | 2♓43 | 27°53 | 29°16 | 4°39 | 16° 9 | 2°12 | 15°23 | 13°20 | 15°35 | 24°28 | 23° 6 | 9° 8 | 10°34 | F 26 |
| S 27 | 6 40 11 | 10°33'20 | 17°12 | 29°26 | 0♐28 | 5°22 | 16°13 | 2°13 | 15°26 | 13°21 | 15°35 | 24°24 | 23° 3 | 9°15 | 10°38 | S 27 |
| S 28 | 6 44 8 | 11°34'28 | 1♈28 | 1♏ 0 | 1°40 | 6° 5 | 16°18 | 2°14 | 15°29 | 13°23 | 15°34 | 24°21 | 23° 0 | 9°22 | 10°42 | S 28 |
| M29 | 6 48 4 | 12°35'35 | 15°30 | 2°34 | 2°52 | 6°48 | 16°22 | 2°15 | 15°33 | 13°24 | 15°34 | 24°D21 | 22°56 | 9°28 | 10°46 | M29 |
| T 30 | 6 52 1 | 13°36'42 | 29°16 | 4° 9 | 4° 4 | 7°31 | 16°27 | 2°16 | 15°36 | 13°26 | 15°33 | 24°22 | 22°53 | 9°35 | 10°50 | T 30 |
| W31 | 6 55 58 | 14♏37'47 | 12♉47 | 5♏44 | 5♐17 | 8♐14 | 16♈32 | 2♎17 | 15♐39 | 13♏27 | 15♍32 | 24♉23 | 22♉50 | 9♍42 | 10♒54 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s37 | 1s53 | 4s 5 | 16s37 | 2n 0 | 9s 7 | 2n29 | 16s45 | 0n15 | 4n51 | 1s24 | 1n40 | 2n20 | 22s40 | 0s 4 | 14s 1 | 1n47 | 20n18 | 15n55 | 19n13 | 18n59 | 13n54 | 12s16 | 6n 0 |
| T 2 | 22 44 | 4n25 | 3 9 | 17 1 | 1 53 | 9 31 | 2 30 | 16 57 | 0 14 | 4 51 | 1 23 | 1 39 | 2 20 | 22 40 | 0 4 | 14 1 | 1 47 | 20 19 | 15 55 | 19 13 | 18 58 | 13 52 | 12 16 | 5 59 |
| W 3 | 22 50 | 10 28 | 2 3 | 17 26 | 1 45 | 9 55 | 2 30 | 17 10 | 0 13 | 4 51 | 1 23 | 1 37 | 2 20 | 22 40 | 0 4 | 14 2 | 1 47 | 20 19 | 15 56 | 19 13 | 18 57 | 13 49 | 12 16 | 5 59 |
| T 4 | 22 57 | 15 57 | 0 51 | 17 51 | 1 37 | 10 19 | 2 30 | 17 22 | 0 13 | 4 51 | 1 23 | 1 36 | 2 20 | 22 41 | 0 4 | 14 2 | 1 47 | 20 19 | 15 56 | 19 14 | 18 57 | 13 46 | 12 15 | 5 59 |
| F 5 | 23 2 | 20 34 | 0n23 | 18 16 | 1 30 | 10 42 | 2 30 | 17 34 | 0 12 | 4 51 | 1 22 | 1 35 | 2 21 | 22 41 | 0 4 | 14 3 | 1 47 | 20 20 | 15 57 | 19 14 | 18 56 | 13 44 | 12 15 | 5 59 |
| S 6 | 23 8 | 24 3 | 1 35 | 18 41 | 1 22 | 11 6 | 2 30 | 17 46 | 0 12 | 4 51 | 1 22 | 1 34 | 2 21 | 22 42 | 0 4 | 14 4 | 1 47 | 20 20 | 15 57 | 19 13 | 18 55 | 13 41 | 12 14 | 5 58 |
| S 7 | 23 12 | 26 11 | 2 40 | 19 5 | 1 14 | 11 29 | 2 30 | 17 58 | 0 11 | 4 52 | 1 22 | 1 33 | 2 21 | 22 42 | 0 4 | 14 4 | 1 47 | 20 21 | 15 58 | 19 13 | 18 54 | 13 38 | 12 14 | 5 58 |
| M 8 | 23 17 | 26 52 | 3 36 | 19 30 | 1 6 | 11 52 | 2 29 | 18 10 | 0 10 | 4 52 | 1 21 | 1 32 | 2 21 | 22 43 | 0 4 | 14 5 | 1 47 | 20 21 | 15 59 | 19 12 | 18 53 | 13 35 | 12 13 | 5 58 |
| T 9 | 23 20 | 26 8 | 4 20 | 19 54 | 0 58 | 12 15 | 2 29 | 18 21 | 0 10 | 4 53 | 1 21 | 1 31 | 2 22 | 22 43 | 0 4 | 14 5 | 1 47 | 20 21 | 15 59 | 19 11 | 18 53 | 13 33 | 12 13 | 5 57 |
| W10 | 23 24 | 24 8 | 4 51 | 20 17 | 0 50 | 12 38 | 2 28 | 18 33 | 0 9 | 4 53 | 1 21 | 1 30 | 2 22 | 22 44 | 0 4 | 14 6 | 1 47 | 20 22 | 16 0 | 19 10 | 18 52 | 13 30 | 12 12 | 5 57 |
| T 11 | 23 27 | 21 4 | 5 8 | 20 40 | 0 42 | 13 0 | 2 28 | 18 44 | 0 8 | 4 54 | 1 20 | 1 29 | 2 22 | 22 44 | 0 4 | 14 6 | 1 47 | 20 22 | 16 0 | 19 9 | 18 51 | 13 27 | 12 11 | 5 57 |
| F 12 | 23 29 | 17 9 | 5 12 | 21 2 | 0 34 | 13 22 | 2 27 | 18 55 | 0 8 | 4 55 | 1 20 | 1 29 | 2 22 | 22 44 | 0 4 | 14 7 | 1 47 | 20 23 | 16 1 | 19 8 | 18 50 | 13 24 | 12 11 | 5 57 |
| S 13 | 23 31 | 12 37 | 5 2 | 21 24 | 0 27 | 13 44 | 2 26 | 19 6 | 0 7 | 4 56 | 1 20 | 1 28 | 2 23 | 22 45 | 0 4 | 14 7 | 1 47 | 20 23 | 16 1 | 19 7 | 18 49 | 13 22 | 12 10 | 5 56 |
| S 14 | 23 33 | 7 37 | 4 39 | 21 45 | 0 19 | 14 6 | 2 25 | 19 17 | 0 6 | 4 56 | 1 20 | 1 27 | 2 23 | 22 45 | 0 4 | 14 8 | 1 47 | 20 24 | 16 2 | 19 6 | 18 49 | 13 19 | 12 10 | 5 56 |
| M15 | 23 34 | 2 20 | 4 5 | 22 5 | 0 11 | 14 28 | 2 24 | 19 27 | 0 6 | 4 57 | 1 19 | 1 26 | 2 23 | 22 46 | 0 4 | 14 8 | 1 47 | 20 24 | 16 3 | 19 6 | 18 48 | 13 16 | 12 9 | 5 56 |
| T 16 | 23 34 | 3s 7 | 3 19 | 22 24 | 0 4 | 14 49 | 2 23 | 19 38 | 0 5 | 4 59 | 1 19 | 1 26 | 2 24 | 22 46 | 0 4 | 14 9 | 1 47 | 20 25 | 16 3 | 19 7 | 18 47 | 13 13 | 12 8 | 5 56 |
| W17 | 23 34 | 8 33 | 2 23 | 22 42 | 0s 4 | 15 10 | 2 22 | 19 48 | 0 4 | 5 0 | 1 19 | 1 25 | 2 24 | 22 46 | 0 4 | 14 9 | 1 47 | 20 26 | 16 4 | 19 7 | 18 46 | 13 11 | 12 8 | 5 55 |
| T 18 | 23 34 | 13 47 | 1 19 | 22 59 | 0 11 | 15 30 | 2 20 | 19 58 | 0 4 | 5 1 | 1 18 | 1 24 | 2 24 | 22 47 | 0 4 | 14 10 | 1 47 | 20 26 | 16 4 | 19 8 | 18 45 | 13 8 | 12 7 | 5 55 |
| F 19 | 23 33 | 18 34 | 0 9 | 23 15 | 0 18 | 15 51 | 2 19 | 20 8 | 0 3 | 5 2 | 1 18 | 1 24 | 2 24 | 22 47 | 0 4 | 14 10 | 1 47 | 20 27 | 16 5 | 19 8 | 18 45 | 13 5 | 12 6 | 5 55 |
| S 20 | 23 32 | 22 34 | 1s 3 | 23 30 | 0 25 | 16 11 | 2 17 | 20 18 | 0 2 | 5 4 | 1 18 | 1 23 | 2 25 | 22 48 | 0 4 | 14 10 | 1 48 | 20 27 | 16 5 | 19 8 | 18 44 | 13 2 | 12 5 | 5 55 |
| S 21 | 23 30 | 25 26 | 2 13 | 23 44 | 0 32 | 16 30 | 2 16 | 20 28 | 0 2 | 5 5 | 1 17 | 1 23 | 2 25 | 22 48 | 0 4 | 14 11 | 1 48 | 20 28 | 16 6 | 19 7 | 18 43 | 13 0 | 12 5 | 5 54 |
| M22 | 23 28 | 26 47 | 3 17 | 23 57 | 0 38 | 16 50 | 2 14 | 20 37 | 0 1 | 5 7 | 1 17 | 1 23 | 2 25 | 22 48 | 0 4 | 14 11 | 1 48 | 20 28 | 16 6 | 19 6 | 18 42 | 12 57 | 12 4 | 5 54 |
| T 23 | 23 25 | 26 22 | 4 10 | 24 9 | 0 45 | 17 9 | 2 12 | 20 46 | 0 0 | 5 8 | 1 17 | 1 22 | 2 26 | 22 49 | 0 4 | 14 12 | 1 48 | 20 29 | 16 7 | 19 4 | 18 41 | 12 54 | 12 3 | 5 54 |
| W24 | 23 22 | 24 9 | 4 47 | 24 19 | 0 51 | 17 27 | 2 10 | 20 55 | 0s 0 | 5 10 | 1 16 | 1 22 | 2 26 | 22 49 | 0 4 | 14 12 | 1 48 | 20 30 | 16 7 | 19 3 | 18 41 | 12 51 | 12 2 | 5 54 |
| T 25 | 23 18 | 20 21 | 5 6 | 24 28 | 0 57 | 17 45 | 2 9 | 21 4 | 0 1 | 5 12 | 1 16 | 1 22 | 2 26 | 22 50 | 0 4 | 14 13 | 1 48 | 20 30 | 16 8 | 19 1 | 18 40 | 12 49 | 12 2 | 5 53 |
| F 26 | 23 14 | 15 18 | 5 5 | 24 36 | 1 3 | 18 3 | 2 7 | 21 13 | 0 2 | 5 13 | 1 16 | 1 21 | 2 26 | 22 50 | 0 4 | 14 13 | 1 48 | 20 31 | 16 9 | 19 0 | 18 39 | 12 46 | 12 1 | 5 53 |
| S 27 | 23 9 | 9 26 | 4 44 | 24 43 | 1 9 | 18 20 | 2 5 | 21 21 | 0 2 | 5 15 | 1 15 | 1 21 | 2 27 | 22 50 | 0 4 | 14 13 | 1 48 | 20 32 | 16 9 | 18 58 | 18 38 | 12 43 | 12 0 | 5 53 |
| S 28 | 23 4 | 3 10 | 4 6 | 24 48 | 1 14 | 18 37 | 2 2 | 21 30 | 0 3 | 5 17 | 1 15 | 1 21 | 2 27 | 22 51 | 0 4 | 14 14 | 1 48 | 20 32 | 16 10 | 18 58 | 18 37 | 12 40 | 11 59 | 5 53 |
| M29 | 22 58 | 3n 9 | 3 14 | 24 52 | 1 19 | 18 53 | 2 0 | 21 38 | 0 4 | 5 19 | 1 15 | 1 21 | 2 27 | 22 51 | 0 4 | 14 14 | 1 48 | 20 33 | 16 10 | 18 58 | 18 37 | 12 37 | 11 58 | 5 53 |
| T 30 | 22 52 | 9 14 | 2 11 | 24 55 | 1 24 | 19 9 | 1 58 | 21 46 | 0 5 | 5 21 | 1 14 | 1 21 | 2 28 | 22 52 | 0 4 | 14 14 | 1 48 | 20 34 | 16 11 | 18 58 | 18 36 | 12 35 | 11 57 | 5 53 |
| W31 | 22s46 | 14n46 | 1s 2 | 24s56 | 1s29 | 19s24 | 1n56 | 21s53 | 0s 5 | 5n24 | 1s14 | 1n21 | 2n28 | 22s52 | 0s 4 | 14s15 | 1n48 | 20n34 | 16n11 | 18n58 | 18n35 | 12n32 | 11s57 | 5n52 |

Julian Day Number = 2078971.5, Delta T = 26m05s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'24, Lahiri = 9°38'24 Julian Calendar 1 Dec. 979 == Greg. Calendar 6 Dec. 979


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## JANUARY 980 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 6 59 54 | 15♑38'52 | 26♉ 4 | 7♑20 | 6♐29 | 8♐58 | 16♈37 | 2♎18 | 15♐43 | 13♏28 | 15°R32 | 24°R23 | 22♉47 | 9♍49 | 10♒58 | T 1 |
| F 2 | 7 3 51 | 16°39'55 | 9♊10 | 8°56 | 7°41 | 9°41 | 16°42 | 2°18 | 15°46 | 13°29 | 15♍31 | 24♉22 | 22°44 | 9°55 | 11° 2 | F 2 |
| S 3 | 7 7 47 | 17°40'58 | 22° 4 | 10°33 | 8°54 | 10°24 | 16°48 | 2°18 | 15°49 | 13°31 | 15°31 | 24°19 | 22°41 | 10° 2 | 11° 6 | S 3 |
| S 4 | 7 11 44 | 18°42'00 | 4♋47 | 12°11 | 10° 6 | 11° 7 | 16°53 | 2°19 | 15°52 | 13°32 | 15°30 | 24°12 | 22°37 | 10° 9 | 11°10 | S 4 |
| M 5 | 7 15 40 | 19°43'01 | 17°20 | 13°49 | 11°19 | 11°51 | 16°59 | 2°19 | 15°56 | 13°33 | 15°29 | 24° 4 | 22°34 | 10°16 | 11°14 | M 5 |
| T 6 | 7 19 37 | 20°44'00 | 29°42 | 15°28 | 12°31 | 12°34 | 17° 5 | 2°R19 | 15°59 | 13°34 | 15°28 | 23°53 | 22°31 | 10°22 | 11°18 | T 6 |
| W 7 | 7 23 33 | 21°44'59 | 11♌55 | 17° 7 | 13°44 | 13°17 | 17°11 | 2°19 | 16° 2 | 13°35 | 15°28 | 23°42 | 22°28 | 10°29 | 11°22 | W 7 |
| T 8 | 7 27 30 | 22°45'57 | 24° 0 | 18°47 | 14°57 | 14° 1 | 17°18 | 2°19 | 16° 5 | 13°36 | 15°27 | 23°30 | 22°25 | 10°36 | 11°26 | T 8 |
| F 9 | 7 31 27 | 23°46'54 | 5♍56 | 20°28 | 16° 9 | 14°44 | 17°24 | 2°19 | 16° 8 | 13°37 | 15°26 | 23°20 | 22°22 | 10°42 | 11°30 | F 9 |
| S 10 | 7 35 23 | 24°47'51 | 17°48 | 22°10 | 17°22 | 15°28 | 17°31 | 2°18 | 16°11 | 13°38 | 15°25 | 23°11 | 22°18 | 10°49 | 11°34 | S 10 |
| S 11 | 7 39 20 | 25°48'46 | 29°39 | 23°52 | 18°35 | 16°11 | 17°37 | 2°18 | 16°14 | 13°39 | 15°24 | 23° 5 | 22°15 | 10°56 | 11°38 | S 11 |
| M12 | 7 43 16 | 26°49'40 | 11♎31 | 25°35 | 19°48 | 16°55 | 17°44 | 2°17 | 16°17 | 13°40 | 15°23 | 23° 1 | 22°12 | 11° 3 | 11°42 | M12 |
| T 13 | 7 47 13 | 27°50'34 | 23°31 | 27°18 | 21° 1 | 17°38 | 17°52 | 2°17 | 16°20 | 13°41 | 15°22 | 23°D 0 | 22° 9 | 11° 9 | 11°46 | T 13 |
| W14 | 7 51 9 | 28°51'27 | 5♏43 | 29° 3 | 22°14 | 18°22 | 17°59 | 2°16 | 16°23 | 13°42 | 15°21 | 23° 0 | 22° 6 | 11°16 | 11°50 | W14 |
| T 15 | 7 55 6 | 29°52'18 | 18°13 | 0♒48 | 23°27 | 19° 6 | 18° 6 | 2°15 | 16°26 | 13°43 | 15°20 | 23°R 1 | 22° 2 | 11°23 | 11°55 | T 15 |
| F 16 | 7 59 2 | 0♒53'09 | 1♐ 5 | 2°33 | 24°40 | 19°50 | 18°14 | 2°14 | 16°29 | 13°44 | 15°19 | 23° 0 | 21°59 | 11°29 | 11°59 | F 16 |
| S 17 | 8 2 59 | 1°53'59 | 14°24 | 4°20 | 25°53 | 20°33 | 18°22 | 2°13 | 16°32 | 13°45 | 15°18 | 22°58 | 21°56 | 11°36 | 12° 3 | S 17 |
| S 18 | 8 6 56 | 2°54'48 | 28°11 | 6° 7 | 27° 6 | 21°17 | 18°29 | 2°12 | 16°34 | 13°46 | 15°17 | 22°54 | 21°53 | 11°43 | 12° 7 | S 18 |
| M19 | 8 10 52 | 3°55'36 | 12♑27 | 7°54 | 28°19 | 22° 1 | 18°38 | 2°10 | 16°37 | 13°46 | 15°16 | 22°47 | 21°50 | 11°50 | 12°11 | M19 |
| T 20 | 8 14 49 | 4°56'23 | 27° 7 | 9°43 | 29°32 | 22°45 | 18°46 | 2° 9 | 16°40 | 13°47 | 15°15 | 22°37 | 21°47 | 11°56 | 12°16 | T 20 |
| W21 | 8 18 45 | 5°57'08 | 12♒ 5 | 11°32 | 0♑45 | 23°28 | 18°54 | 2° 8 | 16°43 | 13°48 | 15°14 | 22°26 | 21°43 | 12° 3 | 12°20 | W21 |
| T 22 | 8 22 42 | 6°57'52 | 27°11 | 13°21 | 1°58 | 24°12 | 19° 3 | 2° 6 | 16°45 | 13°48 | 15°13 | 22°15 | 21°40 | 12°10 | 12°24 | T 22 |
| F 23 | 8 26 38 | 7°58'34 | 12♓15 | 15°10 | 3°12 | 24°56 | 19°11 | 2° 4 | 16°48 | 13°49 | 15°11 | 22° 5 | 21°37 | 12°16 | 12°28 | F 23 |
| S 24 | 8 30 35 | 8°59'14 | 27° 7 | 17° 0 | 4°25 | 25°40 | 19°20 | 2° 2 | 16°50 | 13°49 | 15°10 | 21°57 | 21°34 | 12°23 | 12°33 | S 24 |
| S 25 | 8 34 32 | 9°59'53 | 11♈40 | 18°50 | 5°38 | 26°24 | 19°29 | 2° 1 | 16°53 | 13°50 | 15° 9 | 21°52 | 21°31 | 12°30 | 12°37 | S 25 |
| M26 | 8 38 28 | 11° 0'29 | 25°51 | 20°40 | 6°51 | 27° 8 | 19°38 | 1°59 | 16°55 | 13°50 | 15° 8 | 21°49 | 21°27 | 12°37 | 12°41 | M26 |
| T 27 | 8 42 25 | 12° 1'04 | 9♉39 | 22°30 | 8° 5 | 27°52 | 19°47 | 1°56 | 16°58 | 13°51 | 15° 6 | 21°D49 | 21°24 | 12°43 | 12°45 | T 27 |
| W28 | 8 46 21 | 13° 1'38 | 23° 5 | 24°19 | 9°18 | 28°36 | 19°56 | 1°54 | 17° 0 | 13°51 | 15° 5 | 21°R49 | 21°21 | 12°50 | 12°50 | W28 |
| T 29 | 8 50 18 | 14° 2'09 | 6♊12 | 26° 7 | 10°31 | 29°20 | 20° 6 | 1°52 | 17° 3 | 13°52 | 15° 4 | 21°48 | 21°18 | 12°57 | 12°54 | T 29 |
| F 30 | 8 54 14 | 15° 2'38 | 19° 2 | 27°55 | 11°45 | 0♑ 4 | 20°15 | 1°50 | 17° 5 | 13°52 | 15° 2 | 21°46 | 21°15 | 13° 3 | 12°58 | F 30 |
| S 31 | 8 58 11 | 16♒ 3'06 | 1♋39 | 29♒40 | 12♑58 | 0♑49 | 20♈25 | 1♎47 | 17♐ 7 | 13♏52 | 15♍ 1 | 21♉41 | 21♉12 | 13♍10 | 13♒ 2 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s39 | 19n32 | 0n 9 | 24s56 | 1s34 | 19s39 | 1n53 | 22s 1 | 0s 6 | 5n26 | 1s14 | 1n21 | 2n28 | 22s52 | 0s 4 | 14s15 | 1n48 | 20n35 | 16n12 | 18n58 | 18n34 | 12n29 | 11s56 | 5n52 |
| F 2 | 22 32 | 23 14 | 1 19 | 24 54 | 1 38 | 19 54 | 1 51 | 22 8 | 0 7 | 5 28 | 1 14 | 1 21 | 2 28 | 22 53 | 0 4 | 14 15 | 1 48 | 20 36 | 16 12 | 18 58 | 18 33 | 12 26 | 11 55 | 5 52 |
| S 3 | 22 24 | 25 43 | 2 23 | 24 50 | 1 42 | 20 7 | 1 48 | 22 15 | 0 7 | 5 31 | 1 13 | 1 21 | 2 29 | 22 53 | 0 4 | 14 16 | 1 48 | 20 36 | 16 13 | 18 57 | 18 33 | 12 23 | 11 54 | 5 52 |
| S 4 | 22 16 | 26 48 | 3 19 | 24 46 | 1 45 | 20 21 | 1 46 | 22 22 | 0 8 | 5 33 | 1 13 | 1 21 | 2 29 | 22 53 | 0 4 | 14 16 | 1 48 | 20 37 | 16 13 | 18 56 | 18 32 | 12 20 | 11 53 | 5 52 |
| M 5 | 22 7 | 26 29 | 4 4 | 24 39 | 1 49 | 20 34 | 1 43 | 22 29 | 0 9 | 5 35 | 1 13 | 1 21 | 2 29 | 22 54 | 0 4 | 14 16 | 1 48 | 20 38 | 16 14 | 18 54 | 18 31 | 12 18 | 11 52 | 5 52 |
| T 6 | 21 58 | 24 50 | 4 37 | 24 31 | 1 52 | 20 46 | 1 40 | 22 35 | 0 10 | 5 38 | 1 12 | 1 22 | 2 30 | 22 54 | 0 4 | 14 17 | 1 48 | 20 39 | 16 14 | 18 51 | 18 30 | 12 15 | 11 51 | 5 51 |
| W 7 | 21 48 | 22 4 | 4 57 | 24 22 | 1 55 | 20 58 | 1 38 | 22 42 | 0 10 | 5 41 | 1 12 | 1 22 | 2 30 | 22 54 | 0 4 | 14 17 | 1 48 | 20 39 | 16 15 | 18 48 | 18 29 | 12 12 | 11 50 | 5 51 |
| T 8 | 21 38 | 18 22 | 5 4 | 24 11 | 1 57 | 21 9 | 1 35 | 22 48 | 0 11 | 5 43 | 1 12 | 1 22 | 2 30 | 22 55 | 0 4 | 14 17 | 1 48 | 20 40 | 16 15 | 18 45 | 18 29 | 12 9 | 11 49 | 5 51 |
| F 9 | 21 28 | 13 58 | 4 56 | 23 58 | 1 59 | 21 19 | 1 32 | 22 53 | 0 12 | 5 46 | 1 11 | 1 22 | 2 30 | 22 55 | 0 4 | 14 17 | 1 49 | 20 41 | 16 16 | 18 43 | 18 28 | 12 6 | 11 48 | 5 51 |
| S 10 | 21 17 | 9 5 | 4 36 | 23 43 | 2 1 | 21 29 | 1 29 | 22 59 | 0 13 | 5 49 | 1 11 | 1 23 | 2 31 | 22 55 | 0 4 | 14 18 | 1 49 | 20 42 | 16 16 | 18 40 | 18 27 | 12 3 | 11 47 | 5 51 |
| S 11 | 21 6 | 3 53 | 4 5 | 23 27 | 2 2 | 21 39 | 1 26 | 23 4 | 0 13 | 5 52 | 1 11 | 1 23 | 2 31 | 22 56 | 0 4 | 14 18 | 1 49 | 20 42 | 16 16 | 18 39 | 18 26 | 12 1 | 11 46 | 5 51 |
| M12 | 20 54 | 1s29 | 3 22 | 23 9 | 2 3 | 21 47 | 1 23 | 23 10 | 0 14 | 5 55 | 1 11 | 1 24 | 2 31 | 22 56 | 0 4 | 14 18 | 1 49 | 20 43 | 16 17 | 18 38 | 18 25 | 11 58 | 11 45 | 5 51 |
| T 13 | 20 43 | 6 51 | 2 30 | 22 50 | 2 3 | 21 56 | 1 21 | 23 15 | 0 15 | 5 58 | 1 10 | 1 24 | 2 32 | 22 56 | 0 4 | 14 18 | 1 49 | 20 44 | 16 17 | 18 38 | 18 24 | 11 55 | 11 44 | 5 51 |
| W14 | 20 30 | 12 4 | 1 31 | 22 29 | 2 3 | 22 3 | 1 18 | 23 19 | 0 16 | 6 1 | 1 10 | 1 25 | 2 32 | 22 57 | 0 4 | 14 19 | 1 49 | 20 45 | 16 18 | 18 38 | 18 24 | 11 52 | 11 43 | 5 51 |
| T 15 | 20 17 | 16 56 | 0 26 | 22 6 | 2 3 | 22 10 | 1 15 | 23 24 | 0 16 | 6 4 | 1 10 | 1 25 | 2 32 | 22 57 | 0 4 | 14 19 | 1 49 | 20 46 | 16 18 | 18 38 | 18 23 | 11 49 | 11 42 | 5 50 |
| F 16 | 20 4 | 21 11 | 0s43 | 21 41 | 2 2 | 22 16 | 1 12 | 23 28 | 0 17 | 6 7 | 1 10 | 1 26 | 2 32 | 22 57 | 0 4 | 14 19 | 1 49 | 20 46 | 16 19 | 18 38 | 18 22 | 11 46 | 11 41 | 5 50 |
| S 17 | 19 51 | 24 29 | 1 51 | 21 14 | 2 1 | 22 22 | 1 8 | 23 32 | 0 18 | 6 10 | 1 9 | 1 27 | 2 33 | 22 58 | 0 4 | 14 19 | 1 49 | 20 47 | 16 19 | 18 37 | 18 21 | 11 43 | 11 40 | 5 50 |
| S 18 | 19 37 | 26 29 | 2 55 | 20 46 | 1 59 | 22 27 | 1 5 | 23 36 | 0 19 | 6 13 | 1 9 | 1 28 | 2 33 | 22 58 | 0 4 | 14 19 | 1 49 | 20 48 | 16 20 | 18 36 | 18 20 | 11 41 | 11 39 | 5 50 |
| M19 | 19 23 | 26 49 | 3 50 | 20 16 | 1 57 | 22 31 | 1 2 | 23 39 | 0 20 | 6 17 | 1 9 | 1 28 | 2 33 | 22 58 | 0 4 | 14 20 | 1 49 | 20 49 | 16 20 | 18 34 | 18 19 | 11 38 | 11 38 | 5 50 |
| T 20 | 19 8 | 25 18 | 4 32 | 19 45 | 1 54 | 22 35 | 0 59 | 23 43 | 0 20 | 6 20 | 1 8 | 1 29 | 2 34 | 22 58 | 0 4 | 14 20 | 1 49 | 20 50 | 16 20 | 18 32 | 18 19 | 11 35 | 11 37 | 5 50 |
| W21 | 18 53 | 22 0 | 4 56 | 19 11 | 1 50 | 22 38 | 0 56 | 23 46 | 0 21 | 6 24 | 1 8 | 1 30 | 2 34 | 22 59 | 0 4 | 14 20 | 1 49 | 20 50 | 16 21 | 18 29 | 18 18 | 11 32 | 11 36 | 5 50 |
| T 22 | 18 38 | 17 12 | 5 0 | 18 36 | 1 46 | 22 41 | 0 53 | 23 49 | 0 22 | 6 27 | 1 8 | 1 31 | 2 34 | 22 59 | 0 4 | 14 20 | 1 49 | 20 51 | 16 21 | 18 26 | 18 17 | 11 29 | 11 34 | 5 50 |
| F 23 | 18 23 | 11 21 | 4 43 | 18 0 | 1 42 | 22 42 | 0 50 | 23 51 | 0 23 | 6 31 | 1 8 | 1 32 | 2 34 | 22 59 | 0 4 | 14 20 | 1 49 | 20 52 | 16 22 | 18 23 | 18 16 | 11 26 | 11 33 | 5 50 |
| S 24 | 18 7 | 4 55 | 4 7 | 17 21 | 1 36 | 22 43 | 0 47 | 23 54 | 0 23 | 6 34 | 1 7 | 1 33 | 2 35 | 23 0 | 0 4 | 14 20 | 1 49 | 20 53 | 16 22 | 18 21 | 18 15 | 11 23 | 11 32 | 5 50 |
| S 25 | 17 50 | 1n39 | 3 15 | 16 42 | 1 31 | 22 44 | 0 43 | 23 56 | 0 24 | 6 38 | 1 7 | 1 34 | 2 35 | 23 0 | 0 4 | 14 20 | 1 49 | 20 54 | 16 22 | 18 20 | 18 15 | 11 20 | 11 31 | 5 50 |
| M26 | 17 34 | 7 59 | 2 13 | 16 0 | 1 24 | 22 43 | 0 40 | 23 58 | 0 25 | 6 41 | 1 7 | 1 35 | 2 35 | 23 0 | 0 4 | 14 20 | 1 50 | 20 55 | 16 23 | 18 19 | 18 14 | 11 18 | 11 30 | 5 50 |
| T 27 | 17 17 | 13 47 | 1 4 | 15 18 | 1 17 | 22 42 | 0 37 | 23 59 | 0 26 | 6 45 | 1 7 | 1 36 | 2 35 | 23 0 | 0 4 | 14 20 | 1 50 | 20 55 | 16 23 | 18 19 | 18 13 | 11 15 | 11 29 | 5 50 |
| W28 | 17 0 | 18 45 | 0n 7 | 14 34 | 1 9 | 22 41 | 0 34 | 24 1 | 0 27 | 6 49 | 1 6 | 1 37 | 2 36 | 23 1 | 0 5 | 14 21 | 1 50 | 20 56 | 16 23 | 18 19 | 18 12 | 11 12 | 11 28 | 5 50 |
| T 29 | 16 43 | 22 42 | 1 15 | 13 49 | 1 0 | 22 38 | 0 31 | 24 2 | 0 28 | 6 53 | 1 6 | 1 38 | 2 36 | 23 1 | 0 5 | 14 21 | 1 50 | 20 57 | 16 24 | 18 19 | 18 11 | 11 9 | 11 27 | 5 50 |
| F 30 | 16 25 | 25 25 | 2 18 | 13 3 | 0 51 | 22 35 | 0 28 | 24 3 | 0 28 | 6 56 | 1 6 | 1 39 | 2 36 | 23 1 | 0 5 | 14 21 | 1 50 | 20 58 | 16 24 | 18 18 | 18 10 | 11 6 | 11 25 | 5 50 |
| S 31 | 16s 7 | 26n47 | 3n14 | 12s17 | 0s41 | 22s32 | 0n25 | 24s 3 | 0s29 | 7n 0 | 1s 6 | 1n40 | 2n36 | 23s 1 | 0s 5 | 14s21 | 1n50 | 20n59 | 16n24 | 18n17 | 18n 9 | 11n 3 | 11s24 | 5n50 |

Julian Day Number = 2079002.5, Delta T = 26m05s
Ecliptic obliquity = 23°34'22, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'28, Lahiri = 9°38'28 Julian Calendar 1 Jan. 980 == Greg. Calendar 6 Jan. 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## FEBRUARY 980 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 2 7 | 17♒ 3'32 | 14♋ 5 | 1♓25 | 14♑11 | 1♑33 | 20♈35 | 1°R45 | 17♐10 | 13♏53 | 15°R 0 | 21°R32 | 21♉ 8 | 13♍17 | 13♒ 6 | S 1 |
| M 2 | 9 6 4 | 18° 3'55 | 26°23 | 3° 6 | 15°25 | 2°17 | 20°44 | 1♎42 | 17°12 | 13°53 | 14♍58 | 21♉21 | 21° 5 | 13°24 | 13°11 | M 2 |
| T 3 | 9 10 1 | 19° 4'18 | 8♌32 | 4°45 | 16°38 | 3° 1 | 20°54 | 1°39 | 17°14 | 13°53 | 14°57 | 21° 8 | 21° 2 | 13°30 | 13°15 | T 3 |
| W 4 | 9 13 57 | 20° 4'38 | 20°36 | 6°21 | 17°52 | 3°45 | 21° 5 | 1°36 | 17°16 | 13°53 | 14°55 | 20°53 | 20°59 | 13°37 | 13°19 | W 4 |
| T 5 | 9 17 54 | 21° 4'56 | 2♍34 | 7°53 | 19° 5 | 4°30 | 21°15 | 1°34 | 17°18 | 13°54 | 14°54 | 20°39 | 20°56 | 13°44 | 13°23 | T 5 |
| F 6 | 9 21 50 | 22° 5'13 | 14°27 | 9°20 | 20°18 | 5°14 | 21°25 | 1°31 | 17°20 | 13°54 | 14°53 | 20°25 | 20°53 | 13°50 | 13°28 | F 6 |
| S 7 | 9 25 47 | 23° 5'28 | 26°18 | 10°43 | 21°32 | 5°58 | 21°36 | 1°27 | 17°22 | 13°54 | 14°51 | 20°13 | 20°49 | 13°57 | 13°32 | S 7 |
| S 8 | 9 29 43 | 24° 5'41 | 8♎ 8 | 11°59 | 22°45 | 6°43 | 21°46 | 1°24 | 17°24 | 13°54 | 14°50 | 20° 5 | 20°46 | 14° 4 | 13°36 | S 8 |
| M 9 | 9 33 40 | 25° 5'52 | 20° 1 | 13° 9 | 23°59 | 7°27 | 21°57 | 1°21 | 17°26 | 13°R54 | 14°48 | 19°59 | 20°43 | 14°11 | 13°40 | M 9 |
| T 10 | 9 37 36 | 26° 6'02 | 2♏ 0 | 14°13 | 25°12 | 8°11 | 22° 8 | 1°18 | 17°28 | 13°54 | 14°47 | 19°56 | 20°40 | 14°17 | 13°44 | T 10 |
| W11 | 9 41 33 | 27° 6'11 | 14°10 | 15° 9 | 26°26 | 8°56 | 22°18 | 1°14 | 17°30 | 13°54 | 14°45 | 19°55 | 20°37 | 14°24 | 13°48 | W11 |
| T 12 | 9 45 29 | 28° 6'18 | 26°36 | 15°57 | 27°40 | 9°40 | 22°29 | 1°11 | 17°32 | 13°54 | 14°44 | 19°55 | 20°33 | 14°31 | 13°53 | T 12 |
| F 13 | 9 49 26 | 29° 6'23 | 9♐23 | 16°36 | 28°53 | 10°25 | 22°40 | 1° 7 | 17°33 | 13°54 | 14°42 | 19°55 | 20°30 | 14°37 | 13°57 | F 13 |
| S 14 | 9 53 23 | 0♓ 6'27 | 22°35 | 17° 7 | 0♒ 7 | 11° 9 | 22°52 | 1° 4 | 17°35 | 13°53 | 14°40 | 19°53 | 20°27 | 14°44 | 14° 1 | S 14 |
| S 15 | 9 57 19 | 1° 6'29 | 6♑17 | 17°30 | 1°20 | 11°54 | 23° 3 | 1° 0 | 17°37 | 13°53 | 14°39 | 19°49 | 20°24 | 14°51 | 14° 5 | S 15 |
| M16 | 10 1 16 | 2° 6'29 | 20°28 | 17°43 | 2°34 | 12°38 | 23°14 | 0°57 | 17°38 | 13°53 | 14°37 | 19°42 | 20°21 | 14°58 | 14° 9 | M16 |
| T 17 | 10 5 12 | 3° 6'28 | 5♒ 8 | 17°R47 | 3°47 | 13°23 | 23°26 | 0°53 | 17°40 | 13°53 | 14°36 | 19°33 | 20°18 | 15° 4 | 14°13 | T 17 |
| W18 | 10 9 9 | 4° 6'24 | 20°11 | 17°42 | 5° 1 | 14° 8 | 23°37 | 0°49 | 17°41 | 13°53 | 14°34 | 19°23 | 20°14 | 15°11 | 14°17 | W18 |
| T 19 | 10 13 5 | 5° 6'19 | 5♓27 | 17°28 | 6°15 | 14°52 | 23°49 | 0°45 | 17°43 | 13°52 | 14°32 | 19°12 | 20°11 | 15°18 | 14°21 | T 19 |
| F 20 | 10 17 2 | 6° 6'12 | 20°46 | 17° 6 | 7°28 | 15°37 | 24° 1 | 0°41 | 17°44 | 13°52 | 14°31 | 19° 1 | 20° 8 | 15°24 | 14°25 | F 20 |
| S 21 | 10 20 58 | 7° 6'03 | 5♈56 | 16°37 | 8°42 | 16°21 | 24°12 | 0°37 | 17°45 | 13°52 | 14°29 | 18°53 | 20° 5 | 15°31 | 14°29 | S 21 |
| S 22 | 10 24 55 | 8° 5'51 | 20°47 | 16° 0 | 9°55 | 17° 6 | 24°24 | 0°33 | 17°47 | 13°51 | 14°28 | 18°48 | 20° 2 | 15°38 | 14°33 | S 22 |
| M23 | 10 28 52 | 9° 5'37 | 5♉14 | 15°18 | 11° 9 | 17°51 | 24°36 | 0°29 | 17°48 | 13°51 | 14°26 | 18°45 | 19°59 | 15°44 | 14°37 | M23 |
| T 24 | 10 32 48 | 10° 5'21 | 19°13 | 14°31 | 12°23 | 18°36 | 24°48 | 0°25 | 17°49 | 13°50 | 14°24 | 18°D45 | 19°55 | 15°51 | 14°41 | T 24 |
| W25 | 10 36 45 | 11° 5'03 | 2♊46 | 13°39 | 13°36 | 19°20 | 25° 0 | 0°20 | 17°50 | 13°50 | 14°23 | 18°45 | 19°52 | 15°58 | 14°45 | W25 |
| T 26 | 10 40 41 | 12° 4'42 | 15°54 | 12°46 | 14°50 | 20° 5 | 25°13 | 0°16 | 17°51 | 13°49 | 14°21 | 18°R45 | 19°49 | 16° 5 | 14°49 | T 26 |
| F 27 | 10 44 38 | 13° 4'19 | 28°41 | 11°50 | 16° 4 | 20°50 | 25°25 | 0°12 | 17°52 | 13°49 | 14°19 | 18°44 | 19°46 | 16°11 | 14°53 | F 27 |
| S 28 | 10 48 34 | 14° 3'54 | 11♋11 | 10°55 | 17°17 | 21°34 | 25°37 | 0° 7 | 17°53 | 13°48 | 14°18 | 18°41 | 19°43 | 16°18 | 14°56 | S 28 |
| S 29 | 10 52 31 | 15♓ 3'26 | 23♋28 | 10♓ 0 | 18♒31 | 22♑19 | 25♈50 | 0♎ 3 | 17♐54 | 13♏47 | 14♍16 | 18♉35 | 19♉39 | 16♍25 | 15♒ 0 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s49 | 26n47 | 3n59 | 11s30 | 0s30 | 22s27 | 0n21 | 24s 4 | 0s30 | 7n 4 | 1s 5 | 1n42 | 2n37 | 23s 1 | 0s 5 | 14s21 | 1n50 | 21n 0 | 16n25 | 18n15 | 18n 9 | 11n 0 | 11s23 | 5n50 |
| M 2 | 15 30 | 25 26 | 4 32 | 10 42 | 0 18 | 22 22 | 0 18 | 24 4 | 0 31 | 7 8 | 1 5 | 1 43 | 2 37 | 23 2 | 0 5 | 14 21 | 1 50 | 21 0 | 16 25 | 18 12 | 18 8 | 10 57 | 11 22 | 5 50 |
| T 3 | 15 11 | 22 55 | 4 52 | 9 55 | 0 6 | 22 17 | 0 15 | 24 4 | 0 32 | 7 12 | 1 5 | 1 44 | 2 37 | 23 2 | 0 5 | 14 21 | 1 50 | 21 1 | 16 25 | 18 9 | 18 7 | 10 54 | 11 21 | 5 50 |
| W 4 | 14 52 | 19 25 | 4 59 | 9 8 | 0n 6 | 22 10 | 0 12 | 24 4 | 0 32 | 7 16 | 1 5 | 1 46 | 2 37 | 23 2 | 0 5 | 14 21 | 1 50 | 21 2 | 16 26 | 18 5 | 18 6 | 10 51 | 11 19 | 5 50 |
| T 5 | 14 33 | 15 10 | 4 53 | 8 21 | 0 20 | 22 3 | 0 9 | 24 3 | 0 33 | 7 20 | 1 5 | 1 47 | 2 37 | 23 2 | 0 5 | 14 21 | 1 50 | 21 3 | 16 26 | 18 1 | 18 5 | 10 48 | 11 18 | 5 50 |
| F 6 | 14 14 | 10 21 | 4 34 | 7 36 | 0 33 | 21 56 | 0 6 | 24 2 | 0 34 | 7 24 | 1 4 | 1 48 | 2 38 | 23 3 | 0 5 | 14 21 | 1 50 | 21 4 | 16 26 | 17 57 | 18 4 | 10 45 | 11 17 | 5 50 |
| S 7 | 13 54 | 5 11 | 4 3 | 6 52 | 0 47 | 21 48 | 0 3 | 24 1 | 0 35 | 7 28 | 1 4 | 1 50 | 2 38 | 23 3 | 0 5 | 14 21 | 1 50 | 21 5 | 16 26 | 17 54 | 18 4 | 10 43 | 11 16 | 5 50 |
| S 8 | 13 34 | 0s10 | 3 21 | 6 9 | 1 2 | 21 39 | 0s 0 | 24 0 | 0 36 | 7 33 | 1 4 | 1 51 | 2 38 | 23 3 | 0 5 | 14 21 | 1 50 | 21 5 | 16 27 | 17 52 | 18 3 | 10 40 | 11 15 | 5 50 |
| M 9 | 13 14 | 5 33 | 2 31 | 5 29 | 1 16 | 21 29 | 0 3 | 23 58 | 0 37 | 7 37 | 1 4 | 1 53 | 2 38 | 23 3 | 0 5 | 14 21 | 1 50 | 21 6 | 16 27 | 17 50 | 18 2 | 10 37 | 11 13 | 5 50 |
| T 10 | 12 53 | 10 47 | 1 33 | 4 51 | 1 31 | 21 19 | 0 6 | 23 57 | 0 37 | 7 41 | 1 3 | 1 54 | 2 39 | 23 3 | 0 5 | 14 21 | 1 50 | 21 7 | 16 27 | 17 49 | 18 1 | 10 34 | 11 12 | 5 50 |
| W11 | 12 33 | 15 42 | 0 30 | 4 15 | 1 46 | 21 8 | 0 9 | 23 54 | 0 38 | 7 45 | 1 3 | 1 56 | 2 39 | 23 4 | 0 5 | 14 20 | 1 50 | 21 8 | 16 27 | 17 49 | 18 0 | 10 31 | 11 11 | 5 50 |
| T 12 | 12 12 | 20 5 | 0s35 | 3 43 | 2 0 | 20 56 | 0 12 | 23 52 | 0 39 | 7 50 | 1 3 | 1 57 | 2 39 | 23 4 | 0 5 | 14 20 | 1 51 | 21 9 | 16 27 | 17 49 | 17 59 | 10 28 | 11 10 | 5 50 |
| F 13 | 11 51 | 23 39 | 1 41 | 3 15 | 2 15 | 20 44 | 0 15 | 23 50 | 0 40 | 7 54 | 1 3 | 1 59 | 2 39 | 23 4 | 0 5 | 14 20 | 1 51 | 21 9 | 16 28 | 17 49 | 17 59 | 10 25 | 11 9 | 5 50 |
| S 14 | 11 30 | 26 5 | 2 44 | 2 50 | 2 28 | 20 32 | 0 18 | 23 47 | 0 41 | 7 58 | 1 3 | 2 0 | 2 39 | 23 4 | 0 5 | 14 20 | 1 51 | 21 10 | 16 28 | 17 48 | 17 58 | 10 22 | 11 7 | 5 50 |
| S 15 | 11 8 | 27 4 | 3 39 | 2 30 | 2 41 | 20 18 | 0 20 | 23 44 | 0 42 | 8 3 | 1 2 | 2 2 | 2 40 | 23 4 | 0 5 | 14 20 | 1 51 | 21 11 | 16 28 | 17 47 | 17 57 | 10 19 | 11 6 | 5 50 |
| M16 | 10 47 | 26 20 | 4 23 | 2 13 | 2 54 | 20 4 | 0 23 | 23 40 | 0 43 | 8 7 | 1 2 | 2 4 | 2 40 | 23 4 | 0 5 | 14 20 | 1 51 | 21 12 | 16 28 | 17 46 | 17 56 | 10 16 | 11 5 | 5 50 |
| T 17 | 10 25 | 23 48 | 4 52 | 2 1 | 3 5 | 19 50 | 0 26 | 23 37 | 0 43 | 8 11 | 1 2 | 2 5 | 2 40 | 23 5 | 0 5 | 14 20 | 1 51 | 21 13 | 16 28 | 17 43 | 17 55 | 10 13 | 11 4 | 5 51 |
| W18 | 10 3 | 19 35 | 5 1 | 1 54 | 3 15 | 19 35 | 0 29 | 23 33 | 0 44 | 8 16 | 1 2 | 2 7 | 2 40 | 23 5 | 0 5 | 14 20 | 1 51 | 21 13 | 16 29 | 17 40 | 17 54 | 10 10 | 11 2 | 5 51 |
| T 19 | 9 42 | 14 2 | 4 49 | 1 52 | 3 23 | 19 19 | 0 31 | 23 29 | 0 45 | 8 20 | 1 2 | 2 9 | 2 40 | 23 5 | 0 5 | 14 20 | 1 51 | 21 14 | 16 29 | 17 37 | 17 53 | 10 7 | 11 1 | 5 51 |
| F 20 | 9 19 | 7 36 | 4 17 | 1 54 | 3 30 | 19 3 | 0 34 | 23 25 | 0 46 | 8 25 | 1 1 | 2 11 | 2 40 | 23 5 | 0 5 | 14 19 | 1 51 | 21 15 | 16 29 | 17 34 | 17 53 | 10 4 | 11 0 | 5 51 |
| S 21 | 8 57 | 0 47 | 3 26 | 2 0 | 3 36 | 18 46 | 0 37 | 23 20 | 0 47 | 8 29 | 1 1 | 2 12 | 2 41 | 23 5 | 0 5 | 14 19 | 1 51 | 21 16 | 16 29 | 17 32 | 17 52 | 10 1 | 10 59 | 5 51 |
| S 22 | 8 35 | 5n58 | 2 22 | 2 11 | 3 39 | 18 29 | 0 39 | 23 16 | 0 48 | 8 34 | 1 1 | 2 14 | 2 41 | 23 5 | 0 5 | 14 19 | 1 51 | 21 16 | 16 29 | 17 31 | 17 51 | 9 58 | 10 57 | 5 51 |
| M23 | 8 12 | 12 13 | 1 11 | 2 26 | 3 41 | 18 11 | 0 42 | 23 11 | 0 49 | 8 39 | 1 1 | 2 16 | 2 41 | 23 5 | 0 5 | 14 19 | 1 51 | 21 17 | 16 29 | 17 30 | 17 50 | 9 55 | 10 56 | 5 51 |
| T 24 | 7 50 | 17 40 | 0n 3 | 2 44 | 3 41 | 17 53 | 0 44 | 23 5 | 0 49 | 8 43 | 1 1 | 2 18 | 2 41 | 23 6 | 0 5 | 14 19 | 1 51 | 21 18 | 16 29 | 17 30 | 17 49 | 9 52 | 10 55 | 5 51 |
| W25 | 7 27 | 22 2 | 1 14 | 3 6 | 3 39 | 17 34 | 0 46 | 23 0 | 0 50 | 8 48 | 1 0 | 2 20 | 2 41 | 23 6 | 0 5 | 14 18 | 1 51 | 21 19 | 16 29 | 17 30 | 17 48 | 9 49 | 10 54 | 5 51 |
| T 26 | 7 4 | 25 8 | 2 19 | 3 30 | 3 35 | 17 15 | 0 49 | 22 54 | 0 51 | 8 52 | 1 0 | 2 21 | 2 41 | 23 6 | 0 5 | 14 18 | 1 51 | 21 19 | 16 29 | 17 30 | 17 47 | 9 46 | 10 52 | 5 52 |
| F 27 | 6 41 | 26 49 | 3 15 | 3 57 | 3 28 | 16 55 | 0 51 | 22 48 | 0 52 | 8 57 | 1 0 | 2 23 | 2 41 | 23 6 | 0 5 | 14 18 | 1 51 | 21 20 | 16 30 | 17 30 | 17 47 | 9 43 | 10 51 | 5 52 |
| S 28 | 6 18 | 27 6 | 4 1 | 4 25 | 3 21 | 16 35 | 0 53 | 22 42 | 0 53 | 9 2 | 1 0 | 2 25 | 2 41 | 23 6 | 0 5 | 14 18 | 1 51 | 21 21 | 16 30 | 17 29 | 17 46 | 9 40 | 10 50 | 5 52 |
| S 29 | 5s55 | 26n 2 | 4n35 | 4s55 | 3n11 | 16s14 | 0s55 | 22s36 | 0s54 | 9n 6 | 1s 0 | 2n27 | 2n42 | 23s 6 | 0s 5 | 14s18 | 1n51 | 21n21 | 16n30 | 17n27 | 17n45 | 9n37 | 10s49 | 5n52 |

Julian Day Number = 2079033.5, Delta T = 26m04s
Ecliptic obliquity = 23°34'23, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'32, Lahiri = 9°38'33 Julian Calendar 1 Feb. 980 == Greg. Calendar 6 Feb. 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## MARCH 980 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 56 27 | 16♓ 2'56 | 5♌35 | 9°R 7 | 19♒44 | 23♉ 4 | 26♈ 2 | 29°R59 | 17♐55 | 13°R47 | 14°R15 | 18°R26 | 19♉36 | 16♍31 | 15♒ 4 | M 1 |
| T 2 | 11 0 24 | 17° 2'24 | 17°36 | 8♓18 | 20°58 | 23°49 | 26°15 | 29♍54 | 17°56 | 13♏46 | 14♍13 | 18♉16 | 19°33 | 16°38 | 15° 8 | T 2 |
| W 3 | 11 4 21 | 18° 1'49 | 29°31 | 7°32 | 22°12 | 24°34 | 26°27 | 29°50 | 17°57 | 13°45 | 14°11 | 18° 4 | 19°30 | 16°45 | 15°11 | W 3 |
| T 4 | 11 8 17 | 19° 1'13 | 11♍24 | 6°50 | 23°25 | 25°19 | 26°40 | 29°45 | 17°57 | 13°45 | 14°10 | 17°52 | 19°27 | 16°52 | 15°15 | T 4 |
| F 5 | 11 12 14 | 20° 0'34 | 23°16 | 6°13 | 24°39 | 26° 3 | 26°53 | 29°41 | 17°58 | 13°44 | 14° 8 | 17°41 | 19°24 | 16°58 | 15°19 | F 5 |
| S 6 | 11 16 10 | 20°59'53 | 5♎ 8 | 5°42 | 25°53 | 26°48 | 27° 6 | 29°36 | 17°59 | 13°43 | 14° 6 | 17°32 | 19°20 | 17° 5 | 15°22 | S 6 |
| S 7 | 11 20 7 | 21°59'10 | 17° 1 | 5°17 | 27° 6 | 27°33 | 27°19 | 29°32 | 17°59 | 13°42 | 14° 5 | 17°25 | 19°17 | 17°12 | 15°26 | S 7 |
| M 8 | 11 24 3 | 22°58'25 | 28°59 | 4°57 | 28°20 | 28°18 | 27°31 | 29°27 | 18° 0 | 13°41 | 14° 3 | 17°21 | 19°14 | 17°18 | 15°29 | M 8 |
| T 9 | 11 28 0 | 23°57'38 | 11♏ 3 | 4°43 | 29°33 | 29° 3 | 27°44 | 29°22 | 18° 0 | 13°40 | 14° 1 | 17°19 | 19°11 | 17°25 | 15°33 | T 9 |
| W10 | 11 31 56 | 24°56'49 | 23°17 | 4°34 | 0♓47 | 29°48 | 27°57 | 29°18 | 18° 1 | 13°40 | 14° 0 | 17°D19 | 19° 8 | 17°32 | 15°36 | W10 |
| T 11 | 11 35 53 | 25°55'59 | 5♐45 | 4°D32 | 2° 1 | 0♒33 | 28°11 | 29°13 | 18° 1 | 13°39 | 13°58 | 17°20 | 19° 5 | 17°38 | 15°40 | T 11 |
| F 12 | 11 39 50 | 26°55'07 | 18°31 | 4°35 | 3°14 | 1°18 | 28°24 | 29° 9 | 18° 1 | 13°38 | 13°57 | 17°21 | 19° 1 | 17°45 | 15°43 | F 12 |
| S 13 | 11 43 46 | 27°54'13 | 1♉39 | 4°44 | 4°28 | 2° 3 | 28°37 | 29° 4 | 18° 2 | 13°37 | 13°55 | 17°R22 | 18°58 | 17°52 | 15°47 | S 13 |
| S 14 | 11 47 43 | 28°53'17 | 15°13 | 4°57 | 5°42 | 2°48 | 28°50 | 28°59 | 18° 2 | 13°36 | 13°54 | 17°20 | 18°55 | 17°59 | 15°50 | S 14 |
| M15 | 11 51 39 | 29°52'19 | 29°13 | 5°16 | 6°55 | 3°33 | 29° 3 | 28°55 | 18° 2 | 13°35 | 13°52 | 17°17 | 18°52 | 18° 5 | 15°53 | M15 |
| T 16 | 11 55 36 | 0♈51'20 | 13♒41 | 5°40 | 8° 9 | 4°18 | 29°17 | 28°50 | 18° 2 | 13°34 | 13°50 | 17°12 | 18°49 | 18°12 | 15°57 | T 16 |
| W17 | 11 59 32 | 1°50'18 | 28°33 | 6° 8 | 9°23 | 5° 3 | 29°30 | 28°45 | 18°R 2 | 13°32 | 13°49 | 17° 6 | 18°45 | 18°19 | 16° 0 | W17 |
| T 18 | 12 3 29 | 2°49'15 | 13♓41 | 6°40 | 10°36 | 5°48 | 29°44 | 28°41 | 18° 2 | 13°31 | 13°47 | 16°59 | 18°42 | 18°25 | 16° 3 | T 18 |
| F 19 | 12 7 25 | 3°48'10 | 28°56 | 7°16 | 11°50 | 6°33 | 29°57 | 28°36 | 18° 2 | 13°30 | 13°46 | 16°52 | 18°39 | 18°32 | 16° 6 | F 19 |
| S 20 | 12 11 22 | 4°47'02 | 14♈ 7 | 7°57 | 13° 4 | 7°18 | 0♉11 | 28°31 | 18° 2 | 13°29 | 13°44 | 16°47 | 18°36 | 18°39 | 16° 9 | S 20 |
| S 21 | 12 15 19 | 5°45'53 | 29° 5 | 8°41 | 14°17 | 8° 3 | 0°24 | 28°27 | 18° 2 | 13°28 | 13°43 | 16°44 | 18°33 | 18°46 | 16°13 | S 21 |
| M22 | 12 19 15 | 6°44'42 | 13♉41 | 9°28 | 15°31 | 8°48 | 0°38 | 28°22 | 18° 1 | 13°27 | 13°41 | 16°D43 | 18°30 | 18°52 | 16°16 | M22 |
| T 23 | 12 23 12 | 7°43'28 | 27°52 | 10°19 | 16°45 | 9°33 | 0°51 | 28°18 | 18° 1 | 13°25 | 13°40 | 16°43 | 18°26 | 18°59 | 16°19 | T 23 |
| W24 | 12 27 8 | 8°42'12 | 11♊34 | 11°13 | 17°58 | 10°18 | 1° 5 | 28°13 | 18° 1 | 13°24 | 13°38 | 16°45 | 18°23 | 19° 6 | 16°22 | W24 |
| T 25 | 12 31 5 | 9°40'54 | 24°50 | 12°10 | 19°12 | 11° 3 | 1°19 | 28° 9 | 18° 1 | 13°23 | 13°37 | 16°46 | 18°20 | 19°12 | 16°24 | T 25 |
| F 26 | 12 35 1 | 10°39'33 | 7♋42 | 13°10 | 20°25 | 11°48 | 1°33 | 28° 4 | 18° 0 | 13°22 | 13°36 | 16°R47 | 18°17 | 19°19 | 16°27 | F 26 |
| S 27 | 12 38 58 | 11°38'11 | 20°13 | 14°13 | 21°39 | 12°33 | 1°46 | 28° 0 | 18° 0 | 13°20 | 13°34 | 16°47 | 18°14 | 19°26 | 16°30 | S 27 |
| S 28 | 12 42 54 | 12°36'46 | 2♌29 | 15°19 | 22°53 | 13°18 | 2° 0 | 27°55 | 17°59 | 13°19 | 13°33 | 16°45 | 18°10 | 19°32 | 16°33 | S 28 |
| M29 | 12 46 51 | 13°35'18 | 14°33 | 16°26 | 24° 6 | 14° 3 | 2°14 | 27°51 | 17°59 | 13°18 | 13°31 | 16°41 | 18° 7 | 19°39 | 16°36 | M29 |
| T 30 | 12 50 48 | 14°33'49 | 26°29 | 17°37 | 25°20 | 14°48 | 2°28 | 27°46 | 17°58 | 13°16 | 13°30 | 16°37 | 18° 4 | 19°46 | 16°38 | T 30 |
| W31 | 12 54 44 | 15♈32'17 | 8♍21 | 18♓49 | 26♓34 | 15♒33 | 2♉42 | 27♍42 | 17♐57 | 13♏15 | 13♍29 | 16♉32 | 18♉ 1 | 19♍53 | 16♒41 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s32 | 23n45 | 4n56 | 5s24 | 3n 0 | 15s53 | 0s57 | 22s29 | 0s55 | 9n11 | 1s 0 | 2n29 | 2n42 | 23s 6 | 0s 5 | 14s17 | 1n52 | 21n22 | 16n30 | 17n25 | 17n44 | 9n34 | 10s48 | 5n52 |
| T 2 | 5 9 | 20 27 | 5 3 | 5 54 | 2 48 | 15 32 | 0 59 | 22 22 | 0 56 | 9 16 | 0 59 | 2 31 | 2 42 | 23 6 | 0 5 | 14 17 | 1 52 | 21 23 | 16 30 | 17 22 | 17 43 | 9 31 | 10 46 | 5 52 |
| W 3 | 4 45 | 16 20 | 4 57 | 6 24 | 2 35 | 15 10 | 1 1 | 22 15 | 0 56 | 9 21 | 0 59 | 2 32 | 2 42 | 23 6 | 0 5 | 14 17 | 1 52 | 21 23 | 16 30 | 17 19 | 17 42 | 9 28 | 10 45 | 5 53 |
| T 4 | 4 22 | 11 37 | 4 38 | 6 52 | 2 21 | 14 47 | 1 3 | 22 8 | 0 57 | 9 25 | 0 59 | 2 34 | 2 42 | 23 6 | 0 5 | 14 17 | 1 52 | 21 24 | 16 30 | 17 15 | 17 41 | 9 25 | 10 44 | 5 53 |
| F 5 | 3 59 | 6 28 | 4 7 | 7 19 | 2 7 | 14 24 | 1 5 | 22 0 | 0 58 | 9 30 | 0 59 | 2 36 | 2 42 | 23 6 | 0 5 | 14 16 | 1 52 | 21 25 | 16 30 | 17 12 | 17 40 | 9 22 | 10 43 | 5 53 |
| S 6 | 3 35 | 1 6 | 3 26 | 7 45 | 1 52 | 14 1 | 1 7 | 21 53 | 0 59 | 9 35 | 0 59 | 2 38 | 2 42 | 23 7 | 0 5 | 14 16 | 1 52 | 21 25 | 16 30 | 17 10 | 17 40 | 9 19 | 10 41 | 5 53 |
| S 7 | 3 12 | 4s20 | 2 35 | 8 8 | 1 36 | 13 37 | 1 9 | 21 45 | 1 0 | 9 40 | 0 59 | 2 40 | 2 42 | 23 7 | 0 5 | 14 16 | 1 52 | 21 26 | 16 30 | 17 8 | 17 39 | 9 16 | 10 40 | 5 53 |
| M 8 | 2 48 | 9 40 | 1 37 | 8 30 | 1 21 | 13 13 | 1 11 | 21 37 | 1 1 | 9 44 | 0 58 | 2 42 | 2 42 | 23 7 | 0 5 | 14 15 | 1 52 | 21 27 | 16 30 | 17 6 | 17 38 | 9 13 | 10 39 | 5 53 |
| T 9 | 2 25 | 14 42 | 0 34 | 8 49 | 1 6 | 12 49 | 1 12 | 21 28 | 1 2 | 9 49 | 0 58 | 2 44 | 2 42 | 23 7 | 0 5 | 14 15 | 1 52 | 21 27 | 16 30 | 17 6 | 17 37 | 9 10 | 10 38 | 5 54 |
| W10 | 2 1 | 19 13 | 0s32 | 9 6 | 0 50 | 12 24 | 1 14 | 21 19 | 1 3 | 9 54 | 0 58 | 2 46 | 2 42 | 23 7 | 0 5 | 14 15 | 1 52 | 21 28 | 16 30 | 17 6 | 17 36 | 9 7 | 10 37 | 5 54 |
| T 11 | 1 38 | 22 59 | 1 38 | 9 21 | 0 35 | 11 59 | 1 15 | 21 11 | 1 3 | 9 59 | 0 58 | 2 48 | 2 42 | 23 7 | 0 5 | 14 14 | 1 52 | 21 28 | 16 30 | 17 6 | 17 35 | 9 4 | 10 35 | 5 54 |
| F 12 | 1 14 | 25 44 | 2 40 | 9 34 | 0 21 | 11 34 | 1 17 | 21 2 | 1 4 | 10 4 | 0 58 | 2 50 | 2 43 | 23 7 | 0 5 | 14 14 | 1 52 | 21 29 | 16 30 | 17 6 | 17 34 | 9 1 | 10 34 | 5 54 |
| S 13 | 0 50 | 27 9 | 3 36 | 9 44 | 0 7 | 11 8 | 1 18 | 20 52 | 1 5 | 10 9 | 0 58 | 2 51 | 2 43 | 23 7 | 0 5 | 14 14 | 1 52 | 21 30 | 16 29 | 17 7 | 17 34 | 8 58 | 10 33 | 5 55 |
| S 14 | 0 27 | 27 2 | 4 21 | 9 51 | 0s 7 | 10 42 | 1 19 | 20 43 | 1 6 | 10 13 | 0 58 | 2 53 | 2 43 | 23 7 | 0 5 | 14 13 | 1 52 | 21 30 | 16 29 | 17 6 | 17 33 | 8 55 | 10 32 | 5 55 |
| M15 | 0 3 | 25 12 | 4 53 | 9 57 | 0 20 | 10 16 | 1 21 | 20 33 | 1 7 | 10 18 | 0 57 | 2 55 | 2 43 | 23 7 | 0 5 | 14 13 | 1 52 | 21 31 | 16 29 | 17 5 | 17 32 | 8 52 | 10 31 | 5 55 |
| T 16 | 0n21 | 21 43 | 5 8 | 10 0 | 0 33 | 9 49 | 1 22 | 20 23 | 1 8 | 10 23 | 0 57 | 2 57 | 2 43 | 23 7 | 0 5 | 14 13 | 1 52 | 21 31 | 16 29 | 17 4 | 17 31 | 8 49 | 10 29 | 5 55 |
| W17 | 0 44 | 16 45 | 5 2 | 10 1 | 0 45 | 9 23 | 1 23 | 20 13 | 1 9 | 10 28 | 0 57 | 2 59 | 2 43 | 23 7 | 0 5 | 14 12 | 1 52 | 21 32 | 16 29 | 17 2 | 17 30 | 8 46 | 10 28 | 5 55 |
| T 18 | 1 8 | 10 41 | 4 36 | 10 0 | 0 57 | 8 56 | 1 24 | 20 3 | 1 9 | 10 33 | 0 57 | 3 1 | 2 43 | 23 7 | 0 5 | 14 12 | 1 52 | 21 32 | 16 29 | 17 0 | 17 29 | 8 43 | 10 27 | 5 56 |
| F 19 | 1 31 | 3 56 | 3 50 | 9 56 | 1 8 | 8 28 | 1 25 | 19 53 | 1 10 | 10 38 | 0 57 | 3 3 | 2 43 | 23 7 | 0 5 | 14 12 | 1 52 | 21 33 | 16 29 | 16 58 | 17 28 | 8 40 | 10 26 | 5 56 |
| S 20 | 1 55 | 3n 2 | 2 47 | 9 51 | 1 18 | 8 1 | 1 26 | 19 42 | 1 11 | 10 43 | 0 57 | 3 5 | 2 43 | 23 7 | 0 5 | 14 11 | 1 52 | 21 33 | 16 29 | 16 57 | 17 27 | 8 37 | 10 25 | 5 56 |
| S 21 | 2 18 | 9 45 | 1 34 | 9 43 | 1 28 | 7 33 | 1 27 | 19 31 | 1 12 | 10 48 | 0 57 | 3 6 | 2 43 | 23 7 | 0 5 | 14 11 | 1 52 | 21 34 | 16 29 | 16 56 | 17 26 | 8 34 | 10 24 | 5 56 |
| M22 | 2 42 | 15 47 | 0 16 | 9 33 | 1 37 | 7 5 | 1 28 | 19 20 | 1 13 | 10 52 | 0 57 | 3 8 | 2 43 | 23 7 | 0 5 | 14 10 | 1 53 | 21 34 | 16 28 | 16 56 | 17 26 | 8 30 | 10 23 | 5 57 |
| T 23 | 3 5 | 20 46 | 1n 0 | 9 22 | 1 45 | 6 37 | 1 28 | 19 9 | 1 14 | 10 57 | 0 56 | 3 10 | 2 43 | 23 7 | 0 5 | 14 10 | 1 53 | 21 35 | 16 28 | 16 56 | 17 25 | 8 27 | 10 21 | 5 57 |
| W24 | 3 28 | 24 28 | 2 11 | 9 9 | 1 53 | 6 9 | 1 29 | 18 57 | 1 15 | 11 2 | 0 56 | 3 12 | 2 43 | 23 7 | 0 5 | 14 10 | 1 53 | 21 35 | 16 28 | 16 56 | 17 24 | 8 24 | 10 20 | 5 57 |
| T 25 | 3 51 | 26 41 | 3 12 | 8 53 | 2 1 | 5 40 | 1 29 | 18 46 | 1 15 | 11 7 | 0 56 | 3 14 | 2 43 | 23 7 | 0 5 | 14 9 | 1 53 | 21 35 | 16 28 | 16 56 | 17 23 | 8 21 | 10 19 | 5 57 |
| F 26 | 4 15 | 27 23 | 4 2 | 8 36 | 2 7 | 5 12 | 1 30 | 18 34 | 1 16 | 11 12 | 0 56 | 3 15 | 2 43 | 23 7 | 0 5 | 14 9 | 1 53 | 21 36 | 16 28 | 16 57 | 17 22 | 8 18 | 10 18 | 5 58 |
| S 27 | 4 38 | 26 38 | 4 39 | 8 18 | 2 14 | 4 43 | 1 30 | 18 22 | 1 17 | 11 17 | 0 56 | 3 17 | 2 43 | 23 7 | 0 5 | 14 8 | 1 53 | 21 36 | 16 27 | 16 57 | 17 21 | 8 15 | 10 17 | 5 58 |
| S 28 | 5 1 | 24 37 | 5 2 | 7 57 | 2 19 | 4 14 | 1 31 | 18 10 | 1 18 | 11 22 | 0 56 | 3 19 | 2 42 | 23 7 | 0 5 | 14 8 | 1 53 | 21 36 | 16 27 | 16 56 | 17 20 | 8 12 | 10 16 | 5 58 |
| M29 | 5 23 | 21 31 | 5 11 | 7 35 | 2 24 | 3 45 | 1 31 | 17 58 | 1 19 | 11 27 | 0 56 | 3 21 | 2 42 | 23 7 | 0 5 | 14 7 | 1 53 | 21 37 | 16 27 | 16 55 | 17 19 | 8 9 | 10 15 | 5 59 |
| T 30 | 5 46 | 17 33 | 5 7 | 7 12 | 2 28 | 3 16 | 1 31 | 17 45 | 1 20 | 11 32 | 0 56 | 3 22 | 2 42 | 23 7 | 0 5 | 14 7 | 1 53 | 21 37 | 16 27 | 16 54 | 17 19 | 8 6 | 10 14 | 5 59 |
| W31 | 6n 9 | 12n57 | 4n49 | 6s46 | 2s32 | 2s46 | 1s31 | 17s33 | 1s21 | 11n36 | 0s55 | 3n24 | 2n42 | 23s 7 | 0s 5 | 14s 7 | 1n53 | 21n37 | 16n27 | 16n52 | 17n18 | 8n 3 | 10s13 | 5n59 |

Julian Day Number = 2079062.5, Delta T = 26m04s
Ecliptic obliquity = 23°34'23, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'36, Lahiri = 9°38'37 Julian Calendar 1 March 980 == Greg. Calendar 6 March 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## APRIL 980 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 58 41 | 16♈30'43 | 20♍12 | 20♓ 4 | 27♓47 | 16♒18 | 2♉56 | 27°R38 | 17°R57 | 13°R13 | 13°R27 | 16°R26 | 17♉58 | 19♍59 | 16♒44 | T 1 |
| F 2 | 13 2 37 | 17°29'08 | 2♎ 4 | 21°22 | 29° 1 | 17° 3 | 3°10 | 27♍34 | 17♐56 | 13♏12 | 13♍26 | 16♉21 | 17°55 | 20° 6 | 16°46 | F 2 |
| S 3 | 13 6 34 | 18°27'30 | 13°59 | 22°41 | 0♈14 | 17°48 | 3°24 | 27°29 | 17°55 | 13°11 | 13°25 | 16°17 | 17°51 | 20°13 | 16°49 | S 3 |
| S 4 | 13 10 30 | 19°25'50 | 26° 0 | 24° 2 | 1°28 | 18°33 | 3°38 | 27°25 | 17°54 | 13° 9 | 13°24 | 16°14 | 17°48 | 20°19 | 16°51 | S 4 |
| M 5 | 13 14 27 | 20°24'09 | 8♏ 6 | 25°26 | 2°41 | 19°18 | 3°52 | 27°21 | 17°53 | 13° 8 | 13°22 | 16°13 | 17°45 | 20°26 | 16°53 | M 5 |
| T 6 | 13 18 23 | 21°22'25 | 20°22 | 26°51 | 3°55 | 20° 3 | 4° 6 | 27°17 | 17°52 | 13° 6 | 13°21 | 16°D12 | 17°42 | 20°33 | 16°56 | T 6 |
| W 7 | 13 22 20 | 22°20'40 | 2♐48 | 28°19 | 5° 9 | 20°47 | 4°20 | 27°13 | 17°51 | 13° 5 | 13°20 | 16°13 | 17°39 | 20°39 | 16°58 | W 7 |
| T 8 | 13 26 16 | 23°18'54 | 15°27 | 29°48 | 6°22 | 21°32 | 4°34 | 27° 9 | 17°50 | 13° 3 | 13°19 | 16°15 | 17°36 | 20°46 | 17° 0 | T 8 |
| F 9 | 13 30 13 | 24°17'06 | 28°22 | 1♈20 | 7°36 | 22°17 | 4°48 | 27° 5 | 17°49 | 13° 2 | 13°18 | 16°16 | 17°32 | 20°53 | 17° 2 | F 9 |
| S 10 | 13 34 10 | 25°15'16 | 11♑34 | 2°53 | 8°49 | 23° 2 | 5° 2 | 27° 2 | 17°48 | 13° 0 | 13°16 | 16°17 | 17°29 | 21° 0 | 17° 5 | S 10 |
| S 11 | 13 38 6 | 26°13'25 | 25° 6 | 4°28 | 10° 3 | 23°47 | 5°16 | 26°58 | 17°47 | 12°59 | 13°15 | 16°R18 | 17°26 | 21° 6 | 17° 7 | S 11 |
| M12 | 13 42 3 | 27°11'33 | 8♒59 | 6° 5 | 11°17 | 24°32 | 5°30 | 26°54 | 17°46 | 12°57 | 13°14 | 16°17 | 17°23 | 21°13 | 17° 9 | M12 |
| T 13 | 13 45 59 | 28° 9'39 | 23°13 | 7°44 | 12°30 | 25°17 | 5°44 | 26°50 | 17°44 | 12°56 | 13°13 | 16°16 | 17°20 | 21°20 | 17°11 | T 13 |
| W14 | 13 49 56 | 29° 7'43 | 7♓47 | 9°25 | 13°44 | 26° 2 | 5°58 | 26°47 | 17°43 | 12°54 | 13°12 | 16°14 | 17°16 | 21°26 | 17°13 | W14 |
| T 15 | 13 53 52 | 0♉ 5'46 | 22°34 | 11° 8 | 14°57 | 26°47 | 6°13 | 26°43 | 17°42 | 12°52 | 13°11 | 16°12 | 17°13 | 21°33 | 17°15 | T 15 |
| F 16 | 13 57 49 | 1° 3'48 | 7♈30 | 12°52 | 16°11 | 27°31 | 6°27 | 26°40 | 17°40 | 12°51 | 13°10 | 16°11 | 17°10 | 21°40 | 17°16 | F 16 |
| S 17 | 14 1 45 | 2° 1'48 | 22°26 | 14°39 | 17°25 | 28°16 | 6°41 | 26°37 | 17°39 | 12°49 | 13° 9 | 16° 9 | 17° 7 | 21°46 | 17°18 | S 17 |
| S 18 | 14 5 42 | 2°59'46 | 7♉14 | 16°27 | 18°38 | 29° 1 | 6°55 | 26°33 | 17°37 | 12°48 | 13° 8 | 16° 8 | 17° 4 | 21°53 | 17°20 | S 18 |
| M19 | 14 9 39 | 3°57'43 | 21°46 | 18°18 | 19°52 | 29°46 | 7° 9 | 26°30 | 17°36 | 12°46 | 13° 7 | 16°D 8 | 17° 1 | 22° 0 | 17°21 | M19 |
| T 20 | 14 13 35 | 4°55'39 | 5♊57 | 20°10 | 21° 5 | 0♓30 | 7°23 | 26°27 | 17°34 | 12°45 | 13° 6 | 16° 9 | 16°57 | 22° 7 | 17°23 | T 20 |
| W21 | 14 17 32 | 5°53'32 | 19°44 | 22° 4 | 22°19 | 1°15 | 7°38 | 26°24 | 17°33 | 12°43 | 13° 6 | 16°10 | 16°54 | 22°13 | 17°25 | W21 |
| T 22 | 14 21 28 | 6°51'24 | 3♋ 6 | 24° 0 | 23°32 | 2° 0 | 7°52 | 26°21 | 17°31 | 12°41 | 13° 5 | 16°10 | 16°51 | 22°20 | 17°26 | T 22 |
| F 23 | 14 25 25 | 7°49'14 | 16° 3 | 25°58 | 24°46 | 2°44 | 8° 6 | 26°18 | 17°30 | 12°40 | 13° 4 | 16°11 | 16°48 | 22°27 | 17°27 | F 23 |
| S 24 | 14 29 21 | 8°47'03 | 28°40 | 27°57 | 26° 0 | 3°29 | 8°20 | 26°15 | 17°28 | 12°38 | 13° 3 | 16°12 | 16°45 | 22°33 | 17°29 | S 24 |
| S 25 | 14 33 18 | 9°44'49 | 10♌58 | 29°59 | 27°13 | 4°13 | 8°34 | 26°12 | 17°26 | 12°36 | 13° 2 | 16°R12 | 16°42 | 22°40 | 17°30 | S 25 |
| M26 | 14 37 14 | 10°42'34 | 23° 3 | 2♉ 2 | 28°27 | 4°58 | 8°49 | 26°10 | 17°24 | 12°35 | 13° 2 | 16°12 | 16°38 | 22°47 | 17°31 | M26 |
| T 27 | 14 41 11 | 11°40'17 | 4♍59 | 4° 6 | 29°40 | 5°42 | 9° 3 | 26° 7 | 17°23 | 12°33 | 13° 1 | 16°11 | 16°35 | 22°53 | 17°33 | T 27 |
| W28 | 14 45 8 | 12°37'58 | 16°51 | 6°13 | 0♉54 | 6°27 | 9°17 | 26° 5 | 17°21 | 12°32 | 13° 0 | 16°11 | 16°32 | 23° 0 | 17°34 | W28 |
| T 29 | 14 49 4 | 13°35'38 | 28°42 | 8°20 | 2° 7 | 7°11 | 9°31 | 26° 2 | 17°19 | 12°30 | 13° 0 | 16°10 | 16°29 | 23° 7 | 17°35 | T 29 |
| F 30 | 14 53 1 | 14♉33'17 | 10♎36 | 10♉29 | 3♉21 | 7♓56 | 9♉45 | 26♍ 0 | 17♐17 | 12♏28 | 12♍59 | 16♉10 | 16♉26 | 23♍14 | 17♒36 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n32 | 7n52 | 4n20 | 6s20 | 2s35 | 2s17 | 1s32 | 17s20 | 1s21 | 11n41 | 0s55 | 3n26 | 2n42 | 23s 7 | 0s 5 | 14s 6 | 1n53 | 21n38 | 16n26 | 16n51 | 17n17 | 8n 0 | 10s12 | 5n59 |
| F 2 | 6 54 | 2 31 | 3 38 | 5 51 | 2 38 | 1 48 | 1 32 | 17 7 | 1 22 | 11 46 | 0 55 | 3 27 | 2 42 | 23 7 | 0 5 | 14 6 | 1 53 | 21 38 | 16 26 | 16 49 | 17 16 | 7 57 | 10 11 | 6 0 |
| S 3 | 7 16 | 2s59 | 2 47 | 5 22 | 2 40 | 1 18 | 1 32 | 16 54 | 1 23 | 11 51 | 0 55 | 3 29 | 2 42 | 23 7 | 0 5 | 14 5 | 1 53 | 21 38 | 16 26 | 16 48 | 17 15 | 7 54 | 10 10 | 6 0 |
| S 4 | 7 39 | 8 24 | 1 49 | 4 51 | 2 41 | 0 49 | 1 31 | 16 41 | 1 24 | 11 56 | 0 55 | 3 30 | 2 42 | 23 7 | 0 5 | 14 5 | 1 53 | 21 39 | 16 26 | 16 47 | 17 14 | 7 50 | 10 9 | 6 0 |
| M 5 | 8 1 | 13 35 | 0 44 | 4 18 | 2 42 | 0 19 | 1 31 | 16 28 | 1 25 | 12 1 | 0 55 | 3 32 | 2 42 | 23 6 | 0 5 | 14 4 | 1 53 | 21 39 | 16 25 | 16 47 | 17 13 | 7 47 | 10 8 | 6 1 |
| T 6 | 8 23 | 18 18 | 0s23 | 3 44 | 2 42 | 0n11 | 1 31 | 16 14 | 1 26 | 12 6 | 0 55 | 3 33 | 2 42 | 23 6 | 0 5 | 14 4 | 1 53 | 21 39 | 16 25 | 16 47 | 17 12 | 7 44 | 10 7 | 6 1 |
| W 7 | 8 45 | 22 19 | 1 30 | 3 9 | 2 42 | 0 40 | 1 31 | 16 0 | 1 26 | 12 11 | 0 55 | 3 35 | 2 42 | 23 6 | 0 5 | 14 3 | 1 53 | 21 39 | 16 25 | 16 47 | 17 11 | 7 41 | 10 6 | 6 1 |
| T 8 | 9 6 | 25 20 | 2 34 | 2 32 | 2 41 | 1 10 | 1 30 | 15 47 | 1 27 | 12 15 | 0 55 | 3 36 | 2 42 | 23 6 | 0 5 | 14 3 | 1 53 | 21 39 | 16 24 | 16 47 | 17 10 | 7 38 | 10 5 | 6 2 |
| F 9 | 9 28 | 27 5 | 3 32 | 1 55 | 2 40 | 1 39 | 1 30 | 15 33 | 1 28 | 12 20 | 0 55 | 3 38 | 2 42 | 23 6 | 0 5 | 14 2 | 1 53 | 21 40 | 16 24 | 16 48 | 17 10 | 7 35 | 10 4 | 6 2 |
| S 10 | 9 49 | 27 22 | 4 19 | 1 16 | 2 38 | 2 9 | 1 29 | 15 19 | 1 29 | 12 25 | 0 54 | 3 39 | 2 41 | 23 6 | 0 5 | 14 2 | 1 53 | 21 40 | 16 24 | 16 48 | 17 9 | 7 32 | 10 3 | 6 2 |
| S 11 | 10 11 | 26 3 | 4 54 | 0 35 | 2 35 | 2 39 | 1 29 | 15 4 | 1 30 | 12 30 | 0 54 | 3 41 | 2 41 | 23 6 | 0 6 | 14 2 | 1 53 | 21 40 | 16 24 | 16 48 | 17 8 | 7 29 | 10 2 | 6 3 |
| M12 | 10 32 | 23 8 | 5 13 | 0n 6 | 2 32 | 3 8 | 1 28 | 14 50 | 1 30 | 12 35 | 0 54 | 3 42 | 2 41 | 23 6 | 0 6 | 14 1 | 1 53 | 21 40 | 16 23 | 16 48 | 17 7 | 7 26 | 10 1 | 6 3 |
| T 13 | 10 53 | 18 46 | 5 13 | 0 49 | 2 29 | 3 38 | 1 27 | 14 36 | 1 31 | 12 39 | 0 54 | 3 43 | 2 41 | 23 6 | 0 6 | 14 1 | 1 53 | 21 40 | 16 23 | 16 48 | 17 6 | 7 22 | 10 0 | 6 3 |
| W14 | 11 14 | 13 14 | 4 54 | 1 32 | 2 24 | 4 7 | 1 27 | 14 21 | 1 32 | 12 44 | 0 54 | 3 45 | 2 41 | 23 6 | 0 6 | 14 0 | 1 53 | 21 40 | 16 23 | 16 47 | 17 5 | 7 19 | 9 59 | 6 4 |
| T 15 | 11 34 | 6 51 | 4 14 | 2 17 | 2 20 | 4 36 | 1 26 | 14 7 | 1 33 | 12 49 | 0 54 | 3 46 | 2 41 | 23 6 | 0 6 | 14 0 | 1 53 | 21 40 | 16 22 | 16 47 | 17 4 | 7 16 | 9 58 | 6 4 |
| F 16 | 11 55 | 0 2 | 3 18 | 3 3 | 2 15 | 5 6 | 1 25 | 13 52 | 1 34 | 12 54 | 0 54 | 3 47 | 2 41 | 23 5 | 0 6 | 13 59 | 1 53 | 21 40 | 16 22 | 16 46 | 17 3 | 7 13 | 9 57 | 6 4 |
| S 17 | 12 15 | 6n48 | 2 7 | 3 49 | 2 9 | 5 35 | 1 24 | 13 37 | 1 34 | 12 58 | 0 54 | 3 48 | 2 40 | 23 5 | 0 6 | 13 59 | 1 53 | 21 41 | 16 21 | 16 46 | 17 2 | 7 10 | 9 57 | 6 5 |
| S 18 | 12 35 | 13 14 | 0 49 | 4 37 | 2 3 | 6 4 | 1 23 | 13 22 | 1 35 | 13 3 | 0 54 | 3 50 | 2 40 | 23 5 | 0 6 | 13 58 | 1 53 | 21 41 | 16 21 | 16 46 | 17 1 | 7 7 | 9 56 | 6 5 |
| M19 | 12 55 | 18 49 | 0n31 | 5 26 | 1 56 | 6 33 | 1 22 | 13 7 | 1 36 | 13 8 | 0 54 | 3 51 | 2 40 | 23 5 | 0 6 | 13 58 | 1 53 | 21 41 | 16 21 | 16 46 | 17 1 | 7 4 | 9 55 | 6 5 |
| T 20 | 13 14 | 23 11 | 1 48 | 6 15 | 1 49 | 7 2 | 1 21 | 12 52 | 1 37 | 13 13 | 0 54 | 3 52 | 2 40 | 23 5 | 0 6 | 13 57 | 1 53 | 21 41 | 16 20 | 16 46 | 17 0 | 7 1 | 9 54 | 6 6 |
| W21 | 13 34 | 26 5 | 2 56 | 7 5 | 1 41 | 7 30 | 1 20 | 12 36 | 1 37 | 13 17 | 0 54 | 3 53 | 2 40 | 23 5 | 0 6 | 13 57 | 1 53 | 21 41 | 16 20 | 16 46 | 16 59 | 6 57 | 9 53 | 6 6 |
| T 22 | 13 53 | 27 24 | 3 52 | 7 55 | 1 33 | 7 59 | 1 18 | 12 21 | 1 38 | 13 22 | 0 54 | 3 54 | 2 40 | 23 5 | 0 6 | 13 56 | 1 53 | 21 41 | 16 20 | 16 46 | 16 58 | 6 54 | 9 53 | 6 6 |
| F 23 | 14 12 | 27 8 | 4 34 | 8 46 | 1 24 | 8 27 | 1 17 | 12 5 | 1 39 | 13 27 | 0 53 | 3 55 | 2 40 | 23 5 | 0 6 | 13 56 | 1 53 | 21 41 | 16 19 | 16 46 | 16 57 | 6 51 | 9 52 | 6 7 |
| S 24 | 14 30 | 25 28 | 5 2 | 9 38 | 1 15 | 8 55 | 1 16 | 11 50 | 1 40 | 13 31 | 0 53 | 3 56 | 2 39 | 23 4 | 0 6 | 13 55 | 1 53 | 21 41 | 16 19 | 16 47 | 16 56 | 6 48 | 9 51 | 6 7 |
| S 25 | 14 49 | 22 38 | 5 16 | 10 30 | 1 6 | 9 23 | 1 14 | 11 34 | 1 40 | 13 36 | 0 53 | 3 57 | 2 39 | 23 4 | 0 6 | 13 55 | 1 53 | 21 40 | 16 18 | 16 47 | 16 55 | 6 45 | 9 50 | 6 7 |
| M26 | 15 7 | 18 51 | 5 15 | 11 22 | 0 57 | 9 51 | 1 13 | 11 18 | 1 41 | 13 40 | 0 53 | 3 58 | 2 39 | 23 4 | 0 6 | 13 54 | 1 53 | 21 40 | 16 18 | 16 47 | 16 54 | 6 42 | 9 50 | 6 8 |
| T 27 | 15 25 | 14 23 | 5 0 | 12 14 | 0 47 | 10 18 | 1 11 | 11 3 | 1 42 | 13 45 | 0 53 | 3 59 | 2 39 | 23 4 | 0 6 | 13 54 | 1 53 | 21 40 | 16 18 | 16 46 | 16 53 | 6 39 | 9 49 | 6 8 |
| W28 | 15 43 | 9 24 | 4 33 | 13 6 | 0 36 | 10 46 | 1 10 | 10 47 | 1 42 | 13 50 | 0 53 | 3 59 | 2 39 | 23 4 | 0 6 | 13 53 | 1 53 | 21 40 | 16 17 | 16 46 | 16 52 | 6 35 | 9 48 | 6 8 |
| T 29 | 16 0 | 4 6 | 3 54 | 13 57 | 0 26 | 11 13 | 1 8 | 10 31 | 1 43 | 13 54 | 0 53 | 4 0 | 2 38 | 23 4 | 0 6 | 13 53 | 1 53 | 21 40 | 16 17 | 16 46 | 16 51 | 6 32 | 9 48 | 6 9 |
| F 30 | 16n18 | 1s23 | 3n 5 | 14n48 | 0s16 | 11n39 | 1s 7 | 10s15 | 1s44 | 13n59 | 0s53 | 4n 1 | 2n38 | 23s 3 | 0s 6 | 13s52 | 1n53 | 21n40 | 16n16 | 16n46 | 16n51 | 6n29 | 9s47 | 6n 9 |

Julian Day Number = 2079093.5, Delta T = 26m03s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'40, Lahiri = 9°38'41 Julian Calendar 1 Apr. 980 == Greg. Calendar 6 Apr. 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## MAY 980 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 56 57 | 15♉30'53 | 22♎36 | 12♉39 | 4♉34 | 8♓40 | 9♉59 | 25°R58 | 17°R15 | 12°R27 | 12°R59 | 16°R10 | 16♉22 | 23♍20 | 17♒37 | S 1 |
| S 2 | 15 0 54 | 16°28'29 | 4♏45 | 14°49 | 5°48 | 9°24 | 10°13 | 25♍56 | 17♐13 | 12♏25 | 12♍58 | 16°D10 | 16°19 | 23°27 | 17°38 | S 2 |
| M 3 | 15 4 50 | 17°26'03 | 17° 5 | 17° 1 | 7° 1 | 10° 9 | 10°28 | 25°54 | 17°11 | 12°23 | 12°58 | 16°R10 | 16°16 | 23°34 | 17°39 | M 3 |
| T 4 | 15 8 47 | 18°23'36 | 29°36 | 19°12 | 8°15 | 10°53 | 10°42 | 25°52 | 17° 9 | 12°22 | 12°57 | 16♉10 | 16°13 | 23°40 | 17°39 | T 4 |
| W 5 | 15 12 43 | 19°21'08 | 12♐21 | 21°24 | 9°29 | 11°37 | 10°56 | 25°50 | 17° 7 | 12°20 | 12°57 | 16°10 | 16°10 | 23°47 | 17°40 | W 5 |
| T 6 | 15 16 40 | 20°18'39 | 25°19 | 23°35 | 10°42 | 12°21 | 11°10 | 25°48 | 17° 5 | 12°19 | 12°56 | 16° 9 | 16° 7 | 23°54 | 17°41 | T 6 |
| F 7 | 15 20 37 | 21°16'08 | 8♑32 | 25°47 | 11°56 | 13° 5 | 11°24 | 25°46 | 17° 3 | 12°17 | 12°56 | 16° 9 | 16° 3 | 24° 0 | 17°41 | F 7 |
| S 8 | 15 24 33 | 22°13'37 | 21°59 | 27°57 | 13° 9 | 13°50 | 11°38 | 25°45 | 17° 1 | 12°15 | 12°56 | 16° 8 | 16° 0 | 24° 7 | 17°42 | S 8 |
| S 9 | 15 28 30 | 23°11'05 | 5♒39 | 0♊ 6 | 14°23 | 14°34 | 11°52 | 25°43 | 16°59 | 12°14 | 12°55 | 16° 8 | 15°57 | 24°14 | 17°42 | S 9 |
| M10 | 15 32 26 | 24° 8'33 | 19°34 | 2°14 | 15°36 | 15°18 | 12° 6 | 25°42 | 16°56 | 12°12 | 12°55 | 16°D 7 | 15°54 | 24°20 | 17°43 | M10 |
| T 11 | 15 36 23 | 25° 5'59 | 3♓41 | 4°21 | 16°50 | 16° 2 | 12°20 | 25°41 | 16°54 | 12°11 | 12°55 | 16° 7 | 15°51 | 24°27 | 17°43 | T 11 |
| W12 | 15 40 19 | 26° 3'25 | 17°59 | 6°26 | 18° 4 | 16°45 | 12°34 | 25°40 | 16°52 | 12° 9 | 12°55 | 16° 8 | 15°48 | 24°34 | 17°43 | W12 |
| T 13 | 15 44 16 | 27° 0'50 | 2♈25 | 8°29 | 19°17 | 17°29 | 12°48 | 25°38 | 16°50 | 12° 8 | 12°54 | 16° 9 | 15°44 | 24°41 | 17°44 | T 13 |
| F 14 | 15 48 12 | 27°58'14 | 16°56 | 10°30 | 20°31 | 18°13 | 13° 2 | 25°37 | 16°48 | 12° 6 | 12°54 | 16°10 | 15°41 | 24°47 | 17°44 | F 14 |
| S 15 | 15 52 9 | 28°55'38 | 1♉27 | 12°29 | 21°44 | 18°57 | 13°16 | 25°37 | 16°45 | 12° 4 | 12°54 | 16°10 | 15°38 | 24°54 | 17°44 | S 15 |
| S 16 | 15 56 6 | 29°53'01 | 15°52 | 14°25 | 22°58 | 19°40 | 13°29 | 25°36 | 16°43 | 12° 3 | 12°54 | 16°R11 | 15°35 | 25° 1 | 17°R44 | S 16 |
| M17 | 16 0 2 | 0♊50'23 | 0♊ 7 | 16°20 | 24°11 | 20°24 | 13°43 | 25°35 | 16°41 | 12° 1 | 12°54 | 16°10 | 15°32 | 25° 7 | 17°44 | M17 |
| T 18 | 16 3 59 | 1°47'44 | 14° 6 | 18°12 | 25°25 | 21° 8 | 13°57 | 25°34 | 16°38 | 12° 0 | 12°D54 | 16° 9 | 15°28 | 25°14 | 17°44 | T 18 |
| W19 | 16 7 55 | 2°45'05 | 27°46 | 20° 1 | 26°39 | 21°51 | 14°11 | 25°34 | 16°36 | 11°58 | 12°54 | 16° 7 | 15°25 | 25°21 | 17°44 | W19 |
| T 20 | 16 11 52 | 3°42'24 | 11♋ 6 | 21°48 | 27°52 | 22°34 | 14°25 | 25°34 | 16°34 | 11°57 | 12°54 | 16° 5 | 15°22 | 25°27 | 17°44 | T 20 |
| F 21 | 16 15 48 | 4°39'43 | 24° 4 | 23°33 | 29° 6 | 23°18 | 14°38 | 25°33 | 16°31 | 11°55 | 12°54 | 16° 2 | 15°19 | 25°34 | 17°43 | F 21 |
| S 22 | 16 19 45 | 5°37'01 | 6♌42 | 25°15 | 0♊19 | 24° 1 | 14°52 | 25°33 | 16°29 | 11°54 | 12°54 | 16° 0 | 15°16 | 25°41 | 17°43 | S 22 |
| S 23 | 16 23 42 | 6°34'18 | 19° 2 | 26°54 | 1°33 | 24°44 | 15° 6 | 25°D33 | 16°27 | 11°52 | 12°54 | 15°58 | 15°13 | 25°48 | 17°43 | S 23 |
| M24 | 16 27 38 | 7°31'33 | 1♍ 9 | 28°31 | 2°47 | 25°27 | 15°19 | 25°33 | 16°24 | 11°51 | 12°54 | 15°57 | 15° 9 | 25°54 | 17°42 | M24 |
| T 25 | 16 31 35 | 8°28'48 | 13° 6 | 0♋ 5 | 4° 0 | 26°10 | 15°33 | 25°33 | 16°22 | 11°50 | 12°55 | 15°D57 | 15° 6 | 26° 1 | 17°42 | T 25 |
| W26 | 16 35 31 | 9°26'02 | 24°58 | 1°37 | 5°14 | 26°53 | 15°46 | 25°33 | 16°19 | 11°48 | 12°55 | 15°58 | 15° 3 | 26° 8 | 17°41 | W26 |
| T 27 | 16 39 28 | 10°23'16 | 6♎49 | 3° 6 | 6°27 | 27°36 | 16° 0 | 25°34 | 16°17 | 11°47 | 12°55 | 15°59 | 15° 0 | 26°14 | 17°41 | T 27 |
| F 28 | 16 43 24 | 11°20'28 | 18°45 | 4°32 | 7°41 | 28°19 | 16°13 | 25°34 | 16°14 | 11°45 | 12°55 | 16° 1 | 14°57 | 26°21 | 17°40 | F 28 |
| S 29 | 16 47 21 | 12°17'40 | 0♏50 | 5°56 | 8°55 | 29° 2 | 16°27 | 25°35 | 16°12 | 11°44 | 12°56 | 16° 3 | 14°53 | 26°28 | 17°39 | S 29 |
| S 30 | 16 51 17 | 13°14'51 | 13° 7 | 7°17 | 10° 8 | 29°45 | 16°40 | 25°35 | 16°10 | 11°43 | 12°56 | 16°R 3 | 14°50 | 26°34 | 17°39 | S 30 |
| M31 | 16 55 14 | 14♊12'02 | 25♏40 | 8♋35 | 11♊22 | 0♈27 | 16♉53 | 25♍36 | 16♐ 7 | 11♏41 | 12♍56 | 16♉ 3 | 14♉47 | 26♍41 | 17♒38 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n35 | 6s53 | 2n 7 | 15n38 | 0s 5 | 12n 6 | 1s 5 | 9s59 | 1s45 | 14n 3 | 0s53 | 4n 2 | 2n38 | 23s 3 | 0s 6 | 13s52 | 1n53 | 21n40 | 16n16 | 16n46 | 16n50 | 6n26 | 9s46 | 6n10 |
| S 2 | 16 51 | 12 11 | 1 3 | 16 28 | 0n 6 | 12 32 | 1 3 | 9 43 | 1 45 | 14 8 | 0 53 | 4 2 | 2 38 | 23 3 | 0 6 | 13 51 | 1 53 | 21 40 | 16 16 | 16 46 | 16 49 | 6 23 | 9 46 | 6 10 |
| M 3 | 17 8 | 17 7 | 0s 5 | 17 16 | 0 16 | 12 58 | 1 1 | 9 26 | 1 46 | 14 12 | 0 53 | 4 3 | 2 38 | 23 3 | 0 6 | 13 51 | 1 53 | 21 39 | 16 15 | 16 46 | 16 48 | 6 20 | 9 45 | 6 10 |
| T 4 | 17 24 | 21 23 | 1 14 | 18 3 | 0 26 | 13 24 | 1 0 | 9 10 | 1 47 | 14 17 | 0 53 | 4 4 | 2 37 | 23 3 | 0 6 | 13 50 | 1 53 | 21 39 | 16 15 | 16 46 | 16 47 | 6 17 | 9 44 | 6 11 |
| W 5 | 17 40 | 24 43 | 2 20 | 18 48 | 0 37 | 13 49 | 0 58 | 8 54 | 1 47 | 14 21 | 0 53 | 4 4 | 2 37 | 23 3 | 0 6 | 13 50 | 1 53 | 21 39 | 16 14 | 16 46 | 16 46 | 6 13 | 9 44 | 6 11 |
| T 6 | 17 55 | 26 50 | 3 20 | 19 32 | 0 47 | 14 14 | 0 56 | 8 37 | 1 48 | 14 26 | 0 53 | 4 5 | 2 37 | 23 2 | 0 6 | 13 49 | 1 53 | 21 39 | 16 14 | 16 46 | 16 45 | 6 10 | 9 43 | 6 11 |
| F 7 | 18 11 | 27 28 | 4 11 | 20 13 | 0 56 | 14 39 | 0 54 | 8 21 | 1 49 | 14 30 | 0 53 | 4 5 | 2 37 | 23 2 | 0 6 | 13 49 | 1 53 | 21 38 | 16 13 | 16 46 | 16 44 | 6 7 | 9 43 | 6 12 |
| S 8 | 18 26 | 26 31 | 4 49 | 20 52 | 1 5 | 15 3 | 0 52 | 8 4 | 1 49 | 14 34 | 0 53 | 4 6 | 2 37 | 23 2 | 0 6 | 13 48 | 1 53 | 21 38 | 16 13 | 16 46 | 16 43 | 6 4 | 9 42 | 6 12 |
| S 9 | 18 40 | 23 59 | 5 11 | 21 29 | 1 14 | 15 27 | 0 50 | 7 48 | 1 50 | 14 39 | 0 53 | 4 6 | 2 36 | 23 2 | 0 6 | 13 48 | 1 53 | 21 38 | 16 13 | 16 45 | 16 42 | 6 1 | 9 42 | 6 12 |
| M10 | 18 55 | 20 2 | 5 16 | 22 4 | 1 22 | 15 50 | 0 48 | 7 31 | 1 51 | 14 43 | 0 53 | 4 6 | 2 36 | 23 2 | 0 6 | 13 47 | 1 53 | 21 38 | 16 12 | 16 45 | 16 41 | 5 58 | 9 41 | 6 13 |
| T 11 | 19 9 | 14 54 | 5 2 | 22 36 | 1 30 | 16 14 | 0 46 | 7 15 | 1 51 | 14 47 | 0 53 | 4 7 | 2 36 | 23 1 | 0 6 | 13 47 | 1 53 | 21 37 | 16 12 | 16 45 | 16 40 | 5 54 | 9 41 | 6 13 |
| W12 | 19 23 | 8 54 | 4 29 | 23 5 | 1 37 | 16 36 | 0 44 | 6 58 | 1 52 | 14 52 | 0 52 | 4 7 | 2 36 | 23 1 | 0 6 | 13 46 | 1 53 | 21 37 | 16 11 | 16 45 | 16 40 | 5 51 | 9 40 | 6 14 |
| T 13 | 19 36 | 2 23 | 3 39 | 23 32 | 1 43 | 16 59 | 0 42 | 6 42 | 1 52 | 14 56 | 0 52 | 4 7 | 2 36 | 23 1 | 0 6 | 13 46 | 1 53 | 21 37 | 16 11 | 16 46 | 16 39 | 5 48 | 9 40 | 6 14 |
| F 14 | 19 49 | 4n18 | 2 35 | 23 56 | 1 49 | 17 21 | 0 40 | 6 25 | 1 53 | 15 0 | 0 52 | 4 7 | 2 35 | 23 1 | 0 6 | 13 46 | 1 53 | 21 36 | 16 10 | 16 46 | 16 38 | 5 45 | 9 40 | 6 14 |
| S 15 | 20 2 | 10 47 | 1 21 | 24 18 | 1 53 | 17 42 | 0 37 | 6 8 | 1 54 | 15 4 | 0 52 | 4 8 | 2 35 | 23 0 | 0 6 | 13 45 | 1 53 | 21 36 | 16 10 | 16 46 | 16 37 | 5 42 | 9 39 | 6 15 |
| S 16 | 20 14 | 16 39 | 0 2 | 24 36 | 1 58 | 18 3 | 0 35 | 5 51 | 1 54 | 15 9 | 0 52 | 4 8 | 2 35 | 23 0 | 0 6 | 13 45 | 1 53 | 21 36 | 16 9 | 16 46 | 16 36 | 5 38 | 9 39 | 6 15 |
| M17 | 20 26 | 21 32 | 1n16 | 24 52 | 2 1 | 18 24 | 0 33 | 5 35 | 1 55 | 15 13 | 0 52 | 4 8 | 2 35 | 23 0 | 0 6 | 13 44 | 1 53 | 21 35 | 16 9 | 16 46 | 16 35 | 5 35 | 9 39 | 6 15 |
| T 18 | 20 38 | 25 4 | 2 28 | 25 6 | 2 4 | 18 44 | 0 31 | 5 18 | 1 55 | 15 17 | 0 52 | 4 8 | 2 34 | 23 0 | 0 6 | 13 44 | 1 53 | 21 35 | 16 8 | 16 46 | 16 34 | 5 32 | 9 38 | 6 16 |
| W19 | 20 50 | 27 3 | 3 30 | 25 17 | 2 6 | 19 3 | 0 28 | 5 1 | 1 56 | 15 21 | 0 52 | 4 8 | 2 34 | 23 0 | 0 6 | 13 43 | 1 53 | 21 34 | 16 8 | 16 45 | 16 33 | 5 29 | 9 38 | 6 16 |
| T 20 | 21 1 | 27 24 | 4 18 | 25 26 | 2 7 | 19 22 | 0 26 | 4 44 | 1 56 | 15 25 | 0 52 | 4 8 | 2 34 | 22 59 | 0 6 | 13 43 | 1 53 | 21 34 | 16 8 | 16 45 | 16 32 | 5 26 | 9 38 | 6 16 |
| F 21 | 21 11 | 26 13 | 4 52 | 25 32 | 2 7 | 19 41 | 0 24 | 4 28 | 1 57 | 15 29 | 0 52 | 4 8 | 2 34 | 22 59 | 0 6 | 13 42 | 1 53 | 21 33 | 16 7 | 16 44 | 16 31 | 5 22 | 9 37 | 6 17 |
| S 22 | 21 22 | 23 43 | 5 11 | 25 36 | 2 7 | 19 59 | 0 21 | 4 11 | 1 57 | 15 33 | 0 52 | 4 7 | 2 34 | 22 59 | 0 6 | 13 42 | 1 53 | 21 33 | 16 7 | 16 43 | 16 30 | 5 19 | 9 37 | 6 17 |
| S 23 | 21 32 | 20 10 | 5 15 | 25 38 | 2 6 | 20 16 | 0 19 | 3 54 | 1 58 | 15 37 | 0 52 | 4 7 | 2 33 | 22 59 | 0 6 | 13 42 | 1 53 | 21 32 | 16 6 | 16 43 | 16 29 | 5 16 | 9 37 | 6 18 |
| M24 | 21 41 | 15 51 | 5 4 | 25 38 | 2 4 | 20 33 | 0 17 | 3 37 | 1 58 | 15 41 | 0 52 | 4 7 | 2 33 | 22 58 | 0 6 | 13 41 | 1 53 | 21 32 | 16 6 | 16 42 | 16 28 | 5 13 | 9 37 | 6 18 |
| T 25 | 21 50 | 10 59 | 4 40 | 25 36 | 2 2 | 20 50 | 0 14 | 3 21 | 1 59 | 15 45 | 0 52 | 4 7 | 2 33 | 22 58 | 0 6 | 13 41 | 1 53 | 21 31 | 16 5 | 16 42 | 16 27 | 5 10 | 9 36 | 6 18 |
| W26 | 21 59 | 5 46 | 4 5 | 25 32 | 1 58 | 21 6 | 0 12 | 3 4 | 1 59 | 15 49 | 0 52 | 4 6 | 2 33 | 22 58 | 0 6 | 13 40 | 1 53 | 21 31 | 16 5 | 16 43 | 16 26 | 5 6 | 9 36 | 6 19 |
| T 27 | 22 8 | 0 19 | 3 19 | 25 27 | 1 54 | 21 21 | 0 10 | 2 47 | 2 0 | 15 53 | 0 52 | 4 6 | 2 32 | 22 58 | 0 6 | 13 40 | 1 53 | 21 30 | 16 4 | 16 43 | 16 26 | 5 3 | 9 36 | 6 19 |
| F 28 | 22 16 | 5s10 | 2 24 | 25 19 | 1 50 | 21 36 | 0 7 | 2 31 | 2 0 | 15 57 | 0 52 | 4 6 | 2 32 | 22 57 | 0 6 | 13 40 | 1 53 | 21 30 | 16 4 | 16 43 | 16 25 | 5 0 | 9 36 | 6 19 |
| S 29 | 22 24 | 10 32 | 1 23 | 25 11 | 1 45 | 21 50 | 0 5 | 2 14 | 2 1 | 16 1 | 0 52 | 4 5 | 2 32 | 22 57 | 0 6 | 13 39 | 1 53 | 21 29 | 16 3 | 16 44 | 16 24 | 4 57 | 9 36 | 6 20 |
| S 30 | 22 31 | 15 37 | 0 16 | 25 1 | 1 39 | 22 3 | 0 3 | 1 57 | 2 1 | 16 5 | 0 52 | 4 5 | 2 32 | 22 57 | 0 6 | 13 39 | 1 53 | 21 29 | 16 3 | 16 44 | 16 23 | 4 54 | 9 36 | 6 20 |
| M31 | 22n38 | 20s 8 | 0s52 | 24n49 | 1n32 | 22n16 | 0s 0 | 1s41 | 2s 2 | 16n 9 | 0s52 | 4n 4 | 2n31 | 22s57 | 0s 6 | 13s38 | 1n53 | 21n28 | 16n 2 | 16n44 | 16n22 | 4n50 | 9s36 | 6n20 |

Julian Day Number = 2079123.5, Delta T = 26m03s
Ecliptic obliquity = 23°34'23, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'44, Lahiri = 9°38'45 Julian Calendar 1 May 980 == Greg. Calendar 6 May 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## JUNE 980 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 59 11 | 15♊ 9'12 | 8♐28 | 9♋50 | 12♊36 | 1♈10 | 17♉ 7 | 25♍37 | 16°R 5 | 11°R40 | 12♍57 | 16°R 1 | 14♉44 | 26♍48 | 17°R37 | T 1 |
| W 2 | 17 3 7 | 16° 6'22 | 21°34 | 11° 3 | 13°49 | 1°52 | 17°20 | 25°38 | 16♐ 2 | 11♏39 | 12°57 | 15♉58 | 14°41 | 26°54 | 17♒36 | W 2 |
| T 3 | 17 7 4 | 17° 3'32 | 4♑57 | 12°12 | 15° 3 | 2°35 | 17°33 | 25°39 | 16° 0 | 11°38 | 12°58 | 15°54 | 14°38 | 27° 1 | 17°35 | T 3 |
| F 4 | 17 11 0 | 18° 0'41 | 18°34 | 13°19 | 16°17 | 3°17 | 17°46 | 25°40 | 15°57 | 11°36 | 12°58 | 15°49 | 14°34 | 27° 8 | 17°34 | F 4 |
| S 5 | 17 14 57 | 18°57'51 | 2♒24 | 14°22 | 17°30 | 3°59 | 17°59 | 25°41 | 15°55 | 11°35 | 12°59 | 15°45 | 14°31 | 27°14 | 17°33 | S 5 |
| S 6 | 17 18 53 | 19°55'00 | 16°24 | 15°23 | 18°44 | 4°41 | 18°12 | 25°42 | 15°52 | 11°34 | 12°59 | 15°40 | 14°28 | 27°21 | 17°32 | S 6 |
| M 7 | 17 22 50 | 20°52'09 | 0♓30 | 16°20 | 19°58 | 5°23 | 18°25 | 25°44 | 15°50 | 11°33 | 13° 0 | 15°37 | 14°25 | 27°28 | 17°30 | M 7 |
| T 8 | 17 26 46 | 21°49'18 | 14°40 | 17°14 | 21°11 | 6° 5 | 18°38 | 25°45 | 15°48 | 11°32 | 13° 1 | 15°36 | 14°22 | 27°35 | 17°29 | T 8 |
| W 9 | 17 30 43 | 22°46'28 | 28°52 | 18° 4 | 22°25 | 6°47 | 18°51 | 25°47 | 15°45 | 11°31 | 13° 1 | 15°D36 | 14°19 | 27°41 | 17°28 | W 9 |
| T 10 | 17 34 40 | 23°43'37 | 13♈ 3 | 18°51 | 23°39 | 7°29 | 19° 4 | 25°48 | 15°43 | 11°29 | 13° 2 | 15°37 | 14°15 | 27°48 | 17°26 | T 10 |
| F 11 | 17 38 36 | 24°40'47 | 27°12 | 19°34 | 24°53 | 8°10 | 19°17 | 25°50 | 15°40 | 11°28 | 13° 3 | 15°38 | 14°12 | 27°55 | 17°25 | F 11 |
| S 12 | 17 42 33 | 25°37'58 | 11♉17 | 20°13 | 26° 6 | 8°52 | 19°29 | 25°52 | 15°38 | 11°27 | 13° 4 | 15°R39 | 14° 9 | 28° 1 | 17°23 | S 12 |
| S 13 | 17 46 29 | 26°35'08 | 25°16 | 20°49 | 27°20 | 9°33 | 19°42 | 25°54 | 15°36 | 11°26 | 13° 4 | 15°39 | 14° 6 | 28° 8 | 17°22 | S 13 |
| M14 | 17 50 26 | 27°32'19 | 9♊ 6 | 21°20 | 28°34 | 10°14 | 19°54 | 25°56 | 15°33 | 11°25 | 13° 5 | 15°37 | 14° 3 | 28°15 | 17°20 | M14 |
| T 15 | 17 54 22 | 28°29'30 | 22°44 | 21°47 | 29°48 | 10°56 | 20° 7 | 25°58 | 15°31 | 11°24 | 13° 6 | 15°33 | 13°59 | 28°21 | 17°19 | T 15 |
| W16 | 17 58 19 | 29°26'41 | 6♋ 9 | 22°10 | 1♋ 1 | 11°37 | 20°19 | 26° 0 | 15°28 | 11°23 | 13° 7 | 15°27 | 13°56 | 28°28 | 17°17 | W16 |
| T 17 | 18 2 15 | 0♋23'52 | 19°17 | 22°29 | 2°15 | 12°18 | 20°32 | 26° 3 | 15°26 | 11°22 | 13° 8 | 15°19 | 13°53 | 28°35 | 17°15 | T 17 |
| F 18 | 18 6 12 | 1°21'03 | 2♌ 8 | 22°42 | 3°29 | 12°58 | 20°44 | 26° 5 | 15°24 | 11°21 | 13° 9 | 15°11 | 13°50 | 28°41 | 17°13 | F 18 |
| S 19 | 18 10 9 | 2°18'14 | 14°42 | 22°52 | 4°43 | 13°39 | 20°56 | 26° 8 | 15°21 | 11°21 | 13°10 | 15° 4 | 13°47 | 28°48 | 17°12 | S 19 |
| S 20 | 18 14 5 | 3°15'26 | 27° 0 | 22°R56 | 5°57 | 14°20 | 21° 9 | 26°10 | 15°19 | 11°20 | 13°11 | 14°57 | 13°44 | 28°55 | 17°10 | S 20 |
| M21 | 18 18 2 | 4°12'37 | 9♍ 5 | 22°56 | 7°10 | 15° 0 | 21°21 | 26°13 | 15°17 | 11°19 | 13°12 | 14°52 | 13°40 | 29° 1 | 17° 8 | M21 |
| T 22 | 18 21 58 | 5° 9'48 | 21° 2 | 22°51 | 8°24 | 15°40 | 21°33 | 26°16 | 15°15 | 11°18 | 13°13 | 14°49 | 13°37 | 29° 8 | 17° 6 | T 22 |
| W23 | 18 25 55 | 6° 7'00 | 2♎53 | 22°41 | 9°38 | 16°21 | 21°45 | 26°19 | 15°12 | 11°17 | 13°14 | 14°D48 | 13°34 | 29°15 | 17° 4 | W23 |
| T 24 | 18 29 51 | 7° 4'11 | 14°44 | 22°27 | 10°52 | 17° 1 | 21°56 | 26°22 | 15°10 | 11°16 | 13°15 | 14°48 | 13°31 | 29°22 | 17° 2 | T 24 |
| F 25 | 18 33 48 | 8° 1'23 | 26°40 | 22° 8 | 12° 6 | 17°41 | 22° 8 | 26°25 | 15° 8 | 11°16 | 13°16 | 14°49 | 13°28 | 29°28 | 17° 0 | F 25 |
| S 26 | 18 37 44 | 8°58'34 | 8♏47 | 21°44 | 13°19 | 18°20 | 22°20 | 26°28 | 15° 6 | 11°15 | 13°18 | 14°R50 | 13°25 | 29°35 | 16°57 | S 26 |
| S 27 | 18 41 41 | 9°55'46 | 21° 9 | 21°17 | 14°33 | 19° 0 | 22°32 | 26°31 | 15° 4 | 11°14 | 13°19 | 14°50 | 13°21 | 29°42 | 16°55 | S 27 |
| M28 | 18 45 38 | 10°52'59 | 3♐49 | 20°46 | 15°47 | 19°39 | 22°43 | 26°35 | 15° 2 | 11°14 | 13°20 | 14°48 | 13°18 | 29°48 | 16°53 | M28 |
| T 29 | 18 49 34 | 11°50'12 | 16°51 | 20°11 | 17° 1 | 20°19 | 22°55 | 26°38 | 14°59 | 11°13 | 13°21 | 14°44 | 13°15 | 29°55 | 16°51 | T 29 |
| W30 | 18 53 31 | 12♋47'25 | 0♑16 | 19♋34 | 18♋15 | 20♈58 | 23♉ 6 | 26♍42 | 14♐57 | 11♏13 | 13♍23 | 14♉38 | 13♉12 | 0♎ 2 | 16♒48 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n44 | 23s49 | 2s 0 | 24n37 | 1n25 | 22n28 | 0n 2 | 1s24 | 2s 2 | 16n12 | 0s52 | 4n 4 | 2n31 | 22s57 | 0s 6 | 13s38 | 1n53 | 21n28 | 16n 2 | 16n44 | 16n21 | 4n47 | 9s36 | 6n21 |
| W 2 | 22 51 | 26 20 | 3 2 | 24 23 | 1 17 | 22 40 | 0 5 | 1 7 | 2 3 | 16 16 | 0 52 | 4 3 | 2 31 | 22 56 | 0 6 | 13 38 | 1 52 | 21 27 | 16 1 | 16 43 | 16 20 | 4 44 | 9 36 | 6 21 |
| T 3 | 22 56 | 27 24 | 3 56 | 24 9 | 1 8 | 22 51 | 0 7 | 0 51 | 2 3 | 16 20 | 0 52 | 4 3 | 2 31 | 22 56 | 0 6 | 13 37 | 1 52 | 21 26 | 16 1 | 16 41 | 16 19 | 4 41 | 9 36 | 6 21 |
| F 4 | 23 2 | 26 51 | 4 37 | 23 53 | 0 59 | 23 1 | 0 9 | 0 34 | 2 3 | 16 24 | 0 52 | 4 2 | 2 30 | 22 56 | 0 6 | 13 37 | 1 52 | 21 26 | 16 1 | 16 40 | 16 18 | 4 38 | 9 36 | 6 22 |
| S 5 | 23 7 | 24 39 | 5 3 | 23 37 | 0 50 | 23 10 | 0 12 | 0 18 | 2 4 | 16 27 | 0 52 | 4 1 | 2 30 | 22 56 | 0 6 | 13 37 | 1 52 | 21 25 | 16 0 | 16 39 | 16 17 | 4 34 | 9 36 | 6 22 |
| S 6 | 23 11 | 20 57 | 5 11 | 23 20 | 0 39 | 23 19 | 0 14 | 0 1 | 2 4 | 16 31 | 0 52 | 4 1 | 2 30 | 22 55 | 0 6 | 13 36 | 1 52 | 21 24 | 16 0 | 16 37 | 16 16 | 4 31 | 9 36 | 6 22 |
| M 7 | 23 15 | 16 3 | 5 1 | 23 3 | 0 29 | 23 28 | 0 16 | 0n15 | 2 4 | 16 34 | 0 52 | 4 0 | 2 30 | 22 55 | 0 6 | 13 36 | 1 52 | 21 24 | 15 59 | 16 37 | 16 15 | 4 28 | 9 36 | 6 23 |
| T 8 | 23 19 | 10 15 | 4 32 | 22 45 | 0 17 | 23 35 | 0 19 | 0 31 | 2 5 | 16 38 | 0 52 | 3 59 | 2 30 | 22 55 | 0 6 | 13 36 | 1 52 | 21 23 | 15 59 | 16 36 | 16 14 | 4 25 | 9 36 | 6 23 |
| W 9 | 23 22 | 3 55 | 3 47 | 22 26 | 0 5 | 23 42 | 0 21 | 0 48 | 2 5 | 16 42 | 0 52 | 3 58 | 2 29 | 22 55 | 0 6 | 13 35 | 1 52 | 21 22 | 15 58 | 16 36 | 16 13 | 4 21 | 9 36 | 6 23 |
| T 10 | 23 25 | 2n36 | 2 48 | 22 8 | 0s 7 | 23 48 | 0 23 | 1 4 | 2 5 | 16 45 | 0 52 | 3 57 | 2 29 | 22 54 | 0 6 | 13 35 | 1 52 | 21 22 | 15 58 | 16 36 | 16 12 | 4 18 | 9 36 | 6 24 |
| F 11 | 23 28 | 9 0 | 1 39 | 21 49 | 0 20 | 23 54 | 0 25 | 1 20 | 2 6 | 16 49 | 0 52 | 3 56 | 2 29 | 22 54 | 0 6 | 13 35 | 1 52 | 21 21 | 15 57 | 16 37 | 16 11 | 4 15 | 9 36 | 6 24 |
| S 12 | 23 30 | 14 56 | 0 24 | 21 30 | 0 33 | 23 59 | 0 28 | 1 36 | 2 6 | 16 52 | 0 52 | 3 55 | 2 29 | 22 54 | 0 6 | 13 35 | 1 52 | 21 20 | 15 57 | 16 37 | 16 10 | 4 12 | 9 36 | 6 24 |
| S 13 | 23 32 | 20 2 | 0n52 | 21 11 | 0 47 | 24 3 | 0 30 | 1 52 | 2 6 | 16 55 | 0 52 | 3 54 | 2 28 | 22 54 | 0 6 | 13 34 | 1 52 | 21 20 | 15 56 | 16 37 | 16 10 | 4 8 | 9 36 | 6 24 |
| M14 | 23 33 | 23 58 | 2 4 | 20 52 | 1 1 | 24 6 | 0 32 | 2 8 | 2 7 | 16 59 | 0 52 | 3 53 | 2 28 | 22 53 | 0 6 | 13 34 | 1 52 | 21 19 | 15 56 | 16 36 | 16 9 | 4 5 | 9 37 | 6 25 |
| T 15 | 23 34 | 26 29 | 3 7 | 20 34 | 1 15 | 24 9 | 0 34 | 2 24 | 2 7 | 17 2 | 0 52 | 3 52 | 2 28 | 22 53 | 0 6 | 13 34 | 1 52 | 21 18 | 15 55 | 16 35 | 16 8 | 4 2 | 9 37 | 6 25 |
| W16 | 23 34 | 27 24 | 3 59 | 20 16 | 1 30 | 24 11 | 0 37 | 2 40 | 2 7 | 17 5 | 0 52 | 3 51 | 2 28 | 22 53 | 0 6 | 13 34 | 1 52 | 21 17 | 15 55 | 16 33 | 16 7 | 3 59 | 9 37 | 6 25 |
| T 17 | 23 34 | 26 45 | 4 37 | 19 58 | 1 44 | 24 12 | 0 39 | 2 56 | 2 7 | 17 9 | 0 52 | 3 50 | 2 27 | 22 53 | 0 6 | 13 33 | 1 52 | 21 17 | 15 55 | 16 31 | 16 6 | 3 55 | 9 37 | 6 26 |
| F 18 | 23 34 | 24 39 | 5 0 | 19 41 | 1 59 | 24 12 | 0 41 | 3 12 | 2 8 | 17 12 | 0 52 | 3 49 | 2 27 | 22 52 | 0 6 | 13 33 | 1 52 | 21 16 | 15 54 | 16 29 | 16 5 | 3 52 | 9 38 | 6 26 |
| S 19 | 23 33 | 21 25 | 5 8 | 19 25 | 2 14 | 24 12 | 0 43 | 3 27 | 2 8 | 17 15 | 0 52 | 3 48 | 2 27 | 22 52 | 0 6 | 13 33 | 1 52 | 21 15 | 15 54 | 16 27 | 16 4 | 3 49 | 9 38 | 6 26 |
| S 20 | 23 32 | 17 17 | 5 1 | 19 9 | 2 29 | 24 11 | 0 45 | 3 43 | 2 8 | 17 18 | 0 52 | 3 46 | 2 27 | 22 52 | 0 6 | 13 33 | 1 52 | 21 14 | 15 53 | 16 25 | 16 3 | 3 46 | 9 38 | 6 26 |
| M21 | 23 30 | 12 32 | 4 41 | 18 55 | 2 44 | 24 10 | 0 47 | 3 58 | 2 8 | 17 22 | 0 52 | 3 45 | 2 27 | 22 52 | 0 6 | 13 32 | 1 52 | 21 13 | 15 53 | 16 23 | 16 2 | 3 43 | 9 38 | 6 27 |
| T 22 | 23 28 | 7 23 | 4 9 | 18 41 | 2 59 | 24 7 | 0 49 | 4 14 | 2 8 | 17 25 | 0 52 | 3 44 | 2 26 | 22 51 | 0 6 | 13 32 | 1 52 | 21 13 | 15 52 | 16 22 | 16 1 | 3 39 | 9 39 | 6 27 |
| W23 | 23 26 | 2 0 | 3 26 | 18 28 | 3 13 | 24 4 | 0 51 | 4 29 | 2 9 | 17 28 | 0 52 | 3 42 | 2 26 | 22 51 | 0 6 | 13 32 | 1 51 | 21 12 | 15 52 | 16 22 | 16 0 | 3 36 | 9 39 | 6 27 |
| T 24 | 23 23 | 3s28 | 2 35 | 18 17 | 3 27 | 24 0 | 0 53 | 4 44 | 2 9 | 17 31 | 0 52 | 3 41 | 2 26 | 22 51 | 0 6 | 13 32 | 1 51 | 21 11 | 15 52 | 16 22 | 15 59 | 3 33 | 9 40 | 6 27 |
| F 25 | 23 20 | 8 51 | 1 36 | 18 7 | 3 41 | 23 56 | 0 55 | 4 59 | 2 9 | 17 34 | 0 52 | 3 39 | 2 26 | 22 51 | 0 6 | 13 32 | 1 51 | 21 10 | 15 51 | 16 22 | 15 58 | 3 30 | 9 40 | 6 28 |
| S 26 | 23 16 | 14 0 | 0 32 | 17 58 | 3 53 | 23 50 | 0 56 | 5 14 | 2 9 | 17 37 | 0 52 | 3 38 | 2 25 | 22 50 | 0 6 | 13 32 | 1 51 | 21 9 | 15 51 | 16 23 | 15 57 | 3 26 | 9 40 | 6 28 |
| S 27 | 23 12 | 18 41 | 0s34 | 17 51 | 4 5 | 23 44 | 0 58 | 5 29 | 2 9 | 17 40 | 0 52 | 3 36 | 2 25 | 22 50 | 0 6 | 13 31 | 1 51 | 21 8 | 15 50 | 16 23 | 15 56 | 3 23 | 9 41 | 6 28 |
| M28 | 23 7 | 22 40 | 1 40 | 17 45 | 4 16 | 23 38 | 1 0 | 5 44 | 2 9 | 17 43 | 0 52 | 3 35 | 2 25 | 22 50 | 0 6 | 13 31 | 1 51 | 21 8 | 15 50 | 16 22 | 15 55 | 3 20 | 9 41 | 6 28 |
| T 29 | 23 3 | 25 37 | 2 43 | 17 40 | 4 25 | 23 30 | 1 2 | 5 59 | 2 9 | 17 46 | 0 52 | 3 33 | 2 25 | 22 50 | 0 6 | 13 31 | 1 51 | 21 7 | 15 50 | 16 21 | 15 54 | 3 16 | 9 42 | 6 29 |
| W30 | 22n57 | 27s12 | 3s38 | 17n38 | 4s33 | 23n22 | 1n 3 | 6n14 | 2s10 | 17n48 | 0s52 | 3n32 | 2n25 | 22s49 | 0s 6 | 13s31 | 1n51 | 21n 6 | 15n49 | 16n19 | 15n53 | 3n13 | 9s42 | 6n29 |

Julian Day Number = 2079154.5, Delta T = 26m03s
Ecliptic obliquity = 23°34'23, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'49, Lahiri = 9°38'49 Julian Calendar 1 June 980 == Greg. Calendar 6 June 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## JULY 980 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 57 27 | 13♋44'39 | 14♉ 1 | 18°R54 | 19♋29 | 21♈37 | 23♉17 | 26♍45 | 14°R55 | 11°R12 | 13♍24 | 14°R30 | 13♉ 9 | 0♎ 8 | 16°R46 | T 1 |
| F 2 | 19 1 24 | 14°41'53 | 28° 5 | 18♋13 | 20°43 | 22°16 | 23°28 | 26°49 | 14♐53 | 11♏12 | 13°25 | 14♉21 | 13° 5 | 0°15 | 16♒44 | F 2 |
| S 3 | 19 5 20 | 15°39'08 | 12♒22 | 17°30 | 21°57 | 22°55 | 23°40 | 26°53 | 14°51 | 11°11 | 13°27 | 14°11 | 13° 2 | 0°22 | 16°41 | S 3 |
| S 4 | 19 9 17 | 16°36'24 | 26°47 | 16°48 | 23°10 | 23°33 | 23°51 | 26°57 | 14°49 | 11°11 | 13°28 | 14° 3 | 12°59 | 0°28 | 16°39 | S 4 |
| M 5 | 19 13 14 | 17°33'41 | 11♓13 | 16° 6 | 24°24 | 24°12 | 24° 2 | 27° 0 | 14°47 | 11°10 | 13°29 | 13°56 | 12°56 | 0°35 | 16°36 | M 5 |
| T 6 | 19 17 10 | 18°30'58 | 25°37 | 15°25 | 25°38 | 24°50 | 24°12 | 27° 4 | 14°46 | 11°10 | 13°31 | 13°52 | 12°53 | 0°42 | 16°34 | T 6 |
| W 7 | 19 21 7 | 19°28'17 | 9♈53 | 14°46 | 26°52 | 25°28 | 24°23 | 27° 9 | 14°44 | 11° 9 | 13°32 | 13°50 | 12°50 | 0°48 | 16°31 | W 7 |
| T 8 | 19 25 3 | 20°25'37 | 24° 0 | 14°10 | 28° 6 | 26° 6 | 24°34 | 27°13 | 14°42 | 11° 9 | 13°34 | 13°D50 | 12°46 | 0°55 | 16°29 | T 8 |
| F 9 | 19 29 0 | 21°22'58 | 7♉57 | 13°38 | 29°20 | 26°44 | 24°44 | 27°17 | 14°40 | 11° 9 | 13°35 | 13°R50 | 12°43 | 1° 2 | 16°26 | F 9 |
| S 10 | 19 32 56 | 22°20'20 | 21°44 | 13° 9 | 0♌34 | 27°22 | 24°55 | 27°21 | 14°38 | 11° 8 | 13°37 | 13°50 | 12°40 | 1° 8 | 16°23 | S 10 |
| S 11 | 19 36 53 | 23°17'44 | 5♊20 | 12°45 | 1°48 | 27°59 | 25° 5 | 27°26 | 14°37 | 11° 8 | 13°38 | 13°48 | 12°37 | 1°15 | 16°21 | S 11 |
| M12 | 19 40 49 | 24°15'08 | 18°46 | 12°27 | 3° 2 | 28°36 | 25°16 | 27°30 | 14°35 | 11° 8 | 13°40 | 13°44 | 12°34 | 1°22 | 16°18 | M12 |
| T 13 | 19 44 46 | 25°12'34 | 2♋ 1 | 12°14 | 4°16 | 29°13 | 25°26 | 27°35 | 14°33 | 11° 8 | 13°42 | 13°37 | 12°31 | 1°28 | 16°15 | T 13 |
| W14 | 19 48 43 | 26°10'01 | 15° 4 | 12° 7 | 5°30 | 29°50 | 25°36 | 27°39 | 14°32 | 11° 8 | 13°43 | 13°28 | 12°27 | 1°35 | 16°12 | W14 |
| T 15 | 19 52 39 | 27° 7'29 | 27°55 | 12°D 6 | 6°44 | 0♉27 | 25°46 | 27°44 | 14°30 | 11° 8 | 13°45 | 13°16 | 12°24 | 1°42 | 16°10 | T 15 |
| F 16 | 19 56 36 | 28° 4'58 | 10♌33 | 12°12 | 7°58 | 1° 3 | 25°55 | 27°49 | 14°28 | 11° 7 | 13°47 | 13° 4 | 12°21 | 1°49 | 16° 7 | F 16 |
| S 17 | 20 0 32 | 29° 2'28 | 22°57 | 12°24 | 9°12 | 1°40 | 26° 5 | 27°54 | 14°27 | 11° 7 | 13°48 | 12°51 | 12°18 | 1°55 | 16° 4 | S 17 |
| S 18 | 20 4 29 | 29°59'59 | 5♍ 9 | 12°43 | 10°26 | 2°16 | 26°15 | 27°58 | 14°25 | 11°D 7 | 13°50 | 12°40 | 12°15 | 2° 2 | 16° 1 | S 18 |
| M19 | 20 8 25 | 0♌57'31 | 17°11 | 13° 9 | 11°40 | 2°51 | 26°24 | 28° 3 | 14°24 | 11° 7 | 13°52 | 12°31 | 12°11 | 2° 9 | 15°58 | M19 |
| T 20 | 20 12 22 | 1°55'04 | 29° 4 | 13°42 | 12°54 | 3°27 | 26°34 | 28° 8 | 14°23 | 11° 7 | 13°54 | 12°24 | 12° 8 | 2°15 | 15°55 | T 20 |
| W21 | 20 16 18 | 2°52'37 | 10♎53 | 14°21 | 14° 8 | 4° 2 | 26°43 | 28°14 | 14°21 | 11° 8 | 13°55 | 12°21 | 12° 5 | 2°22 | 15°52 | W21 |
| T 22 | 20 20 15 | 3°50'12 | 22°42 | 15° 7 | 15°22 | 4°38 | 26°52 | 28°19 | 14°20 | 11° 8 | 13°57 | 12°19 | 12° 2 | 2°29 | 15°49 | T 22 |
| F 23 | 20 24 12 | 4°47'48 | 4♏37 | 16° 0 | 16°36 | 5°12 | 27° 1 | 28°24 | 14°19 | 11° 8 | 13°59 | 12°18 | 11°59 | 2°35 | 15°47 | F 23 |
| S 24 | 20 28 8 | 5°45'25 | 16°42 | 16°59 | 17°50 | 5°47 | 27°10 | 28°29 | 14°17 | 11° 8 | 14° 1 | 12°18 | 11°56 | 2°42 | 15°44 | S 24 |
| S 25 | 20 32 5 | 6°43'03 | 29° 4 | 18° 4 | 19° 4 | 6°22 | 27°19 | 28°35 | 14°16 | 11° 8 | 14° 3 | 12°18 | 11°52 | 2°49 | 15°41 | S 25 |
| M26 | 20 36 1 | 7°40'42 | 11♐47 | 19°16 | 20°18 | 6°56 | 27°27 | 28°40 | 14°15 | 11° 8 | 14° 5 | 12°15 | 11°49 | 2°55 | 15°38 | M26 |
| T 27 | 20 39 58 | 8°38'22 | 24°54 | 20°33 | 21°32 | 7°30 | 27°36 | 28°45 | 14°14 | 11° 9 | 14° 7 | 12°10 | 11°46 | 3° 2 | 15°35 | T 27 |
| W28 | 20 43 54 | 9°36'03 | 8♑29 | 21°55 | 22°46 | 8° 3 | 27°44 | 28°51 | 14°13 | 11° 9 | 14° 9 | 12° 3 | 11°43 | 3° 9 | 15°32 | W28 |
| T 29 | 20 47 51 | 10°33'46 | 22°29 | 23°23 | 24° 1 | 8°37 | 27°52 | 28°57 | 14°12 | 11° 9 | 14°10 | 11°53 | 11°40 | 3°15 | 15°29 | T 29 |
| F 30 | 20 51 47 | 11°31'30 | 6♒53 | 24°55 | 25°15 | 9°10 | 28° 0 | 29° 2 | 14°11 | 11°10 | 14°12 | 11°42 | 11°37 | 3°22 | 15°26 | F 30 |
| S 31 | 20 55 44 | 12♌29'15 | 21♒34 | 26♋32 | 26♌29 | 9♉43 | 28♉ 8 | 29♍ 8 | 14♐10 | 11♏10 | 14♍14 | 11♉31 | 11♉33 | 3♎29 | 15♒23 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n52 | 27s11 | 4s22 | 17n36 | 4s40 | 23n13 | 1n 5 | 6n28 | 2s10 | 17n51 | 0s52 | 3n30 | 2n24 | 22s49 | 0s 6 | 13s31 | 1n51 | 21n 5 | 15n49 | 16n17 | 15n52 | 3n10 | 9s43 | 6n29 |
| F 2 | 22 45 | 25 25 | 4 52 | 17 37 | 4 46 | 23 4 | 1 7 | 6 43 | 2 10 | 17 54 | 0 52 | 3 28 | 2 24 | 22 49 | 0 6 | 13 31 | 1 51 | 21 4 | 15 48 | 16 14 | 15 51 | 3 7 | 9 43 | 6 29 |
| S 3 | 22 39 | 22 2 | 5 4 | 17 38 | 4 49 | 22 54 | 1 8 | 6 57 | 2 10 | 17 57 | 0 52 | 3 27 | 2 24 | 22 49 | 0 6 | 13 31 | 1 51 | 21 3 | 15 48 | 16 11 | 15 50 | 3 3 | 9 44 | 6 29 |
| S 4 | 22 32 | 17 17 | 4 56 | 17 42 | 4 51 | 22 43 | 1 10 | 7 11 | 2 10 | 17 59 | 0 52 | 3 25 | 2 24 | 22 49 | 0 6 | 13 31 | 1 51 | 21 2 | 15 48 | 16 9 | 15 49 | 3 0 | 9 44 | 6 30 |
| M 5 | 22 25 | 11 33 | 4 30 | 17 46 | 4 51 | 22 31 | 1 11 | 7 25 | 2 10 | 18 2 | 0 53 | 3 23 | 2 24 | 22 48 | 0 6 | 13 30 | 1 51 | 21 1 | 15 47 | 16 7 | 15 48 | 2 57 | 9 45 | 6 30 |
| T 6 | 22 17 | 5 14 | 3 47 | 17 53 | 4 50 | 22 19 | 1 12 | 7 40 | 2 10 | 18 5 | 0 53 | 3 22 | 2 23 | 22 48 | 0 6 | 13 30 | 1 51 | 21 0 | 15 47 | 16 5 | 15 47 | 2 54 | 9 45 | 6 30 |
| W 7 | 22 9 | 1n20 | 2 50 | 18 0 | 4 47 | 22 6 | 1 14 | 7 53 | 2 10 | 18 7 | 0 53 | 3 20 | 2 23 | 22 48 | 0 6 | 13 30 | 1 51 | 21 0 | 15 47 | 16 5 | 15 46 | 2 50 | 9 46 | 6 30 |
| T 8 | 22 1 | 7 45 | 1 44 | 18 9 | 4 42 | 21 53 | 1 15 | 8 7 | 2 10 | 18 10 | 0 53 | 3 18 | 2 23 | 22 48 | 0 6 | 13 30 | 1 51 | 20 59 | 15 46 | 16 5 | 15 46 | 2 47 | 9 47 | 6 30 |
| F 9 | 21 52 | 13 45 | 0 31 | 18 19 | 4 35 | 21 39 | 1 16 | 8 21 | 2 10 | 18 12 | 0 53 | 3 16 | 2 23 | 22 48 | 0 6 | 13 30 | 1 51 | 20 58 | 15 46 | 16 5 | 15 45 | 2 44 | 9 47 | 6 31 |
| S 10 | 21 43 | 18 58 | 0n42 | 18 29 | 4 27 | 21 24 | 1 17 | 8 35 | 2 10 | 18 15 | 0 53 | 3 14 | 2 23 | 22 47 | 0 6 | 13 30 | 1 51 | 20 57 | 15 46 | 16 5 | 15 44 | 2 41 | 9 48 | 6 31 |
| S 11 | 21 33 | 23 8 | 1 52 | 18 41 | 4 17 | 21 8 | 1 18 | 8 48 | 2 10 | 18 17 | 0 53 | 3 12 | 2 22 | 22 47 | 0 6 | 13 30 | 1 50 | 20 56 | 15 45 | 16 4 | 15 43 | 2 37 | 9 48 | 6 31 |
| M12 | 21 23 | 25 59 | 2 54 | 18 54 | 4 7 | 20 53 | 1 19 | 9 1 | 2 10 | 18 20 | 0 53 | 3 10 | 2 22 | 22 47 | 0 6 | 13 30 | 1 50 | 20 55 | 15 45 | 16 3 | 15 42 | 2 34 | 9 49 | 6 31 |
| T 13 | 21 13 | 27 20 | 3 46 | 19 7 | 3 55 | 20 36 | 1 20 | 9 15 | 2 9 | 18 22 | 0 53 | 3 8 | 2 22 | 22 47 | 0 6 | 13 30 | 1 50 | 20 54 | 15 45 | 16 1 | 15 41 | 2 31 | 9 50 | 6 31 |
| W14 | 21 2 | 27 7 | 4 25 | 19 20 | 3 42 | 20 19 | 1 21 | 9 28 | 2 9 | 18 25 | 0 53 | 3 6 | 2 22 | 22 47 | 0 6 | 13 30 | 1 50 | 20 53 | 15 44 | 15 58 | 15 40 | 2 27 | 9 50 | 6 31 |
| T 15 | 20 51 | 25 26 | 4 50 | 19 34 | 3 28 | 20 1 | 1 22 | 9 41 | 2 9 | 18 27 | 0 53 | 3 4 | 2 22 | 22 46 | 0 6 | 13 30 | 1 50 | 20 52 | 15 44 | 15 55 | 15 39 | 2 24 | 9 51 | 6 31 |
| F 16 | 20 40 | 22 30 | 5 1 | 19 48 | 3 13 | 19 43 | 1 23 | 9 53 | 2 9 | 18 29 | 0 53 | 3 2 | 2 21 | 22 46 | 0 6 | 13 30 | 1 50 | 20 51 | 15 44 | 15 51 | 15 38 | 2 21 | 9 52 | 6 31 |
| S 17 | 20 28 | 18 36 | 4 56 | 20 2 | 2 58 | 19 24 | 1 24 | 10 6 | 2 9 | 18 31 | 0 53 | 3 0 | 2 21 | 22 46 | 0 6 | 13 30 | 1 50 | 20 50 | 15 43 | 15 47 | 15 37 | 2 18 | 9 53 | 6 32 |
| S 18 | 20 16 | 13 59 | 4 38 | 20 16 | 2 42 | 19 4 | 1 24 | 10 19 | 2 9 | 18 34 | 0 53 | 2 58 | 2 21 | 22 46 | 0 6 | 13 30 | 1 50 | 20 49 | 15 43 | 15 44 | 15 36 | 2 14 | 9 53 | 6 32 |
| M19 | 20 3 | 8 54 | 4 8 | 20 29 | 2 26 | 18 44 | 1 25 | 10 31 | 2 9 | 18 36 | 0 53 | 2 56 | 2 21 | 22 46 | 0 6 | 13 30 | 1 50 | 20 48 | 15 43 | 15 41 | 15 35 | 2 11 | 9 54 | 6 32 |
| T 20 | 19 51 | 3 33 | 3 28 | 20 42 | 2 10 | 18 24 | 1 25 | 10 43 | 2 8 | 18 38 | 0 53 | 2 54 | 2 21 | 22 46 | 0 6 | 13 31 | 1 50 | 20 47 | 15 42 | 15 39 | 15 34 | 2 8 | 9 55 | 6 32 |
| W21 | 19 38 | 1s54 | 2 38 | 20 55 | 1 54 | 18 3 | 1 26 | 10 56 | 2 8 | 18 40 | 0 53 | 2 51 | 2 21 | 22 45 | 0 6 | 13 31 | 1 50 | 20 46 | 15 42 | 15 38 | 15 33 | 2 4 | 9 56 | 6 32 |
| T 22 | 19 24 | 7 18 | 1 42 | 21 6 | 1 38 | 17 41 | 1 26 | 11 8 | 2 8 | 18 42 | 0 53 | 2 49 | 2 20 | 22 45 | 0 6 | 13 31 | 1 50 | 20 45 | 15 42 | 15 37 | 15 32 | 2 1 | 9 56 | 6 32 |
| F 23 | 19 10 | 12 30 | 0 41 | 21 16 | 1 21 | 17 19 | 1 27 | 11 19 | 2 8 | 18 44 | 0 53 | 2 47 | 2 20 | 22 45 | 0 7 | 13 31 | 1 50 | 20 44 | 15 42 | 15 37 | 15 31 | 1 58 | 9 57 | 6 32 |
| S 24 | 18 56 | 17 18 | 0s23 | 21 24 | 1 6 | 16 57 | 1 27 | 11 31 | 2 7 | 18 46 | 0 53 | 2 45 | 2 20 | 22 45 | 0 7 | 13 31 | 1 50 | 20 43 | 15 41 | 15 37 | 15 30 | 1 55 | 9 58 | 6 32 |
| S 25 | 18 42 | 21 29 | 1 28 | 21 31 | 0 50 | 16 34 | 1 27 | 11 43 | 2 7 | 18 48 | 0 53 | 2 42 | 2 20 | 22 45 | 0 7 | 13 31 | 1 50 | 20 42 | 15 41 | 15 37 | 15 29 | 1 51 | 9 59 | 6 32 |
| M26 | 18 27 | 24 47 | 2 29 | 21 36 | 0 35 | 16 11 | 1 27 | 11 54 | 2 7 | 18 50 | 0 54 | 2 40 | 2 20 | 22 45 | 0 7 | 13 31 | 1 49 | 20 41 | 15 41 | 15 36 | 15 28 | 1 48 | 10 0 | 6 32 |
| T 27 | 18 12 | 26 53 | 3 25 | 21 40 | 0 20 | 15 47 | 1 27 | 12 6 | 2 7 | 18 52 | 0 54 | 2 38 | 2 20 | 22 45 | 0 7 | 13 31 | 1 49 | 20 40 | 15 41 | 15 34 | 15 27 | 1 45 | 10 0 | 6 32 |
| W28 | 17 57 | 27 28 | 4 11 | 21 41 | 0 6 | 15 23 | 1 27 | 12 17 | 2 6 | 18 54 | 0 54 | 2 35 | 2 19 | 22 45 | 0 7 | 13 32 | 1 49 | 20 39 | 15 40 | 15 32 | 15 26 | 1 41 | 10 1 | 6 32 |
| T 29 | 17 41 | 26 21 | 4 44 | 21 39 | 0n 7 | 14 58 | 1 27 | 12 28 | 2 6 | 18 55 | 0 54 | 2 33 | 2 19 | 22 44 | 0 7 | 13 32 | 1 49 | 20 39 | 15 40 | 15 29 | 15 25 | 1 38 | 10 2 | 6 32 |
| F 30 | 17 25 | 23 28 | 4 59 | 21 36 | 0 20 | 14 33 | 1 27 | 12 39 | 2 6 | 18 57 | 0 54 | 2 31 | 2 19 | 22 44 | 0 7 | 13 32 | 1 49 | 20 38 | 15 40 | 15 26 | 15 24 | 1 35 | 10 3 | 6 32 |
| S 31 | 17n 9 | 19s 3 | 4s56 | 21n29 | 0n32 | 14n 7 | 1n27 | 12n50 | 2s 5 | 18n59 | 0s54 | 2n28 | 2n19 | 22s44 | 0s 7 | 13s32 | 1n49 | 20n37 | 15n40 | 15n22 | 15n23 | 1n31 | 10s 4 | 6n32 |

Julian Day Number = 2079184.5, Delta T = 26m02s
Ecliptic obliquity = 23°34'23, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'53, Lahiri = 9°38'53 Julian Calendar 1 July 980 == Greg. Calendar 6 July 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## AUGUST 980 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 59 41 | 13♌27'01 | 6♓24 | 28♋13 | 27♌43 | 10♉16 | 28♉16 | 29♍14 | 14°R 9 | 11♏11 | 14♍16 | 11°R20 | 11♉30 | 3♎35 | 15°R20 | S 1 |
| M 2 | 21 3 37 | 14°24'50 | 21°15 | 29°57 | 28°57 | 10°48 | 28°24 | 29°20 | 14♐ 8 | 11°11 | 14°18 | 11♉12 | 11°27 | 3°42 | 15♒17 | M 2 |
| T 3 | 21 7 34 | 15°22'40 | 5♈58 | 1♌45 | 0♍11 | 11°20 | 28°32 | 29°25 | 14° 8 | 11°12 | 14°20 | 11° 6 | 11°24 | 3°49 | 15°14 | T 3 |
| W 4 | 21 11 30 | 16°20'31 | 20°29 | 3°35 | 1°25 | 11°52 | 28°39 | 29°31 | 14° 7 | 11°12 | 14°22 | 11° 4 | 11°21 | 3°55 | 15°11 | W 4 |
| T 5 | 21 15 27 | 17°18'25 | 4♉43 | 5°28 | 2°39 | 12°24 | 28°46 | 29°37 | 14° 6 | 11°13 | 14°24 | 11° 3 | 11°17 | 4° 2 | 15° 8 | T 5 |
| F 6 | 21 19 23 | 18°16'21 | 18°39 | 7°22 | 3°53 | 12°55 | 28°53 | 29°43 | 14° 6 | 11°13 | 14°27 | 11° 3 | 11°14 | 4° 9 | 15° 5 | F 6 |
| S 7 | 21 23 20 | 19°14'18 | 2♊17 | 9°18 | 5° 7 | 13°26 | 29° 0 | 29°49 | 14° 5 | 11°14 | 14°29 | 11° 2 | 11°11 | 4°15 | 15° 2 | S 7 |
| S 8 | 21 27 16 | 20°12'18 | 15°40 | 11°14 | 6°21 | 13°56 | 29° 7 | 29°56 | 14° 4 | 11°14 | 14°31 | 11° 0 | 11° 8 | 4°22 | 14°59 | S 8 |
| M 9 | 21 31 13 | 21°10'19 | 28°49 | 13°12 | 7°35 | 14°27 | 29°14 | 0♎ 2 | 14° 4 | 11°15 | 14°33 | 10°56 | 11° 5 | 4°29 | 14°56 | M 9 |
| T 10 | 21 35 10 | 22° 8'23 | 11♋44 | 15°10 | 8°49 | 14°57 | 29°20 | 0° 8 | 14° 4 | 11°16 | 14°35 | 10°48 | 11° 2 | 4°35 | 14°53 | T 10 |
| W11 | 21 39 6 | 23° 6'28 | 24°28 | 17° 7 | 10° 3 | 15°26 | 29°27 | 0°14 | 14° 3 | 11°17 | 14°37 | 10°39 | 10°58 | 4°42 | 14°50 | W11 |
| T 12 | 21 43 3 | 24° 4'35 | 7♌ 1 | 19° 5 | 11°17 | 15°55 | 29°33 | 0°21 | 14° 3 | 11°17 | 14°39 | 10°26 | 10°55 | 4°49 | 14°47 | T 12 |
| F 13 | 21 46 59 | 25° 2'44 | 19°23 | 21° 3 | 12°31 | 16°24 | 29°39 | 0°27 | 14° 3 | 11°18 | 14°41 | 10°13 | 10°52 | 4°55 | 14°44 | F 13 |
| S 14 | 21 50 56 | 26° 0'55 | 1♍36 | 23° 0 | 13°45 | 16°53 | 29°45 | 0°33 | 14° 2 | 11°19 | 14°43 | 10° 0 | 10°49 | 5° 2 | 14°41 | S 14 |
| S 15 | 21 54 52 | 26°59'07 | 13°39 | 24°56 | 15° 0 | 17°21 | 29°50 | 0°40 | 14° 2 | 11°20 | 14°46 | 9°49 | 10°46 | 5° 9 | 14°38 | S 15 |
| M16 | 21 58 49 | 27°57'21 | 25°35 | 26°52 | 16°14 | 17°49 | 29°56 | 0°46 | 14° 2 | 11°21 | 14°48 | 9°39 | 10°43 | 5°15 | 14°35 | M16 |
| T 17 | 22 2 45 | 28°55'37 | 7♎25 | 28°47 | 17°28 | 18°16 | 0♊ 1 | 0°53 | 14° 2 | 11°22 | 14°50 | 9°32 | 10°39 | 5°22 | 14°32 | T 17 |
| W18 | 22 6 42 | 29°53'54 | 19°12 | 0♍40 | 18°42 | 18°43 | 0° 7 | 0°59 | 14°D 2 | 11°23 | 14°52 | 9°27 | 10°36 | 5°29 | 14°29 | W18 |
| T 19 | 22 10 39 | 0♍52'13 | 0♏59 | 2°33 | 19°56 | 19°10 | 0°12 | 1° 6 | 14° 2 | 11°24 | 14°54 | 9°25 | 10°33 | 5°35 | 14°26 | T 19 |
| F 20 | 22 14 35 | 1°50'34 | 12°53 | 4°25 | 21°10 | 19°36 | 0°17 | 1°13 | 14° 2 | 11°25 | 14°57 | 9°D25 | 10°30 | 5°42 | 14°24 | F 20 |
| S 21 | 22 18 32 | 2°48'56 | 24°56 | 6°16 | 22°24 | 20° 2 | 0°21 | 1°19 | 14° 2 | 11°26 | 14°59 | 9°26 | 10°27 | 5°49 | 14°21 | S 21 |
| S 22 | 22 22 28 | 3°47'20 | 7♐15 | 8° 5 | 23°38 | 20°27 | 0°26 | 1°26 | 14° 2 | 11°27 | 15° 1 | 9°R26 | 10°23 | 5°55 | 14°18 | S 22 |
| M23 | 22 26 25 | 4°45'46 | 19°55 | 9°54 | 24°52 | 20°52 | 0°30 | 1°33 | 14° 3 | 11°28 | 15° 3 | 9°25 | 10°20 | 6° 2 | 14°15 | M23 |
| T 24 | 22 30 21 | 5°44'13 | 3♑ 0 | 11°42 | 26° 6 | 21°17 | 0°34 | 1°40 | 14° 3 | 11°29 | 15° 6 | 9°21 | 10°17 | 6° 9 | 14°13 | T 24 |
| W25 | 22 34 18 | 6°42'42 | 16°34 | 13°28 | 27°20 | 21°41 | 0°38 | 1°47 | 14° 3 | 11°30 | 15° 8 | 9°16 | 10°14 | 6°15 | 14°10 | W25 |
| T 26 | 22 38 14 | 7°41'13 | 0♒37 | 15°13 | 28°34 | 22° 4 | 0°42 | 1°53 | 14° 4 | 11°32 | 15°10 | 9° 9 | 10°11 | 6°22 | 14° 7 | T 26 |
| F 27 | 22 42 11 | 8°39'46 | 15° 8 | 16°58 | 29°48 | 22°27 | 0°46 | 2° 0 | 14° 4 | 11°33 | 15°12 | 9° 0 | 10° 8 | 6°29 | 14° 5 | F 27 |
| S 28 | 22 46 8 | 9°38'20 | 0♓ 1 | 18°41 | 1♎ 2 | 22°50 | 0°49 | 2° 7 | 14° 4 | 11°34 | 15°14 | 8°50 | 10° 4 | 6°35 | 14° 2 | S 28 |
| S 29 | 22 50 4 | 10°36'56 | 15° 7 | 20°23 | 2°16 | 23°12 | 0°52 | 2°14 | 14° 5 | 11°35 | 15°17 | 8°42 | 10° 1 | 6°42 | 13°59 | S 29 |
| M30 | 22 54 1 | 11°35'34 | 0♈17 | 22° 4 | 3°30 | 23°34 | 0°55 | 2°21 | 14° 6 | 11°37 | 15°19 | 8°35 | 9°58 | 6°49 | 13°57 | M30 |
| T 31 | 22 57 57 | 12♍34'14 | 15♈21 | 23♍44 | 4♎44 | 23♉55 | 0♊58 | 2♎28 | 14♐ 6 | 11♏38 | 15♍21 | 8♉31 | 9♉55 | 6♎55 | 13♒54 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n53 | 13s25 | 4s32 | 21n20 | 0n43 | 13n42 | 1n27 | 13n 0 | 2s 5 | 19n 1 | 0s54 | 2n26 | 2n19 | 22s44 | 0s 7 | 13s32 | 1n49 | 20n36 | 15n39 | 15n19 | 15n22 | 1n28 | 10s 5 | 6n32 |
| M 2 | 16 36 | 7 1 | 3 51 | 21 9 | 0 53 | 13 15 | 1 27 | 13 11 | 2 4 | 19 2 | 0 54 | 2 23 | 2 19 | 22 44 | 0 7 | 13 32 | 1 49 | 20 35 | 15 39 | 15 16 | 15 21 | 1 25 | 10 6 | 6 32 |
| T 3 | 16 19 | 0 16 | 2 54 | 20 54 | 1 3 | 12 49 | 1 26 | 13 21 | 2 4 | 19 4 | 0 54 | 2 21 | 2 19 | 22 44 | 0 7 | 13 33 | 1 49 | 20 34 | 15 39 | 15 15 | 15 20 | 1 22 | 10 6 | 6 32 |
| W 4 | 16 2 | 6n24 | 1 46 | 20 37 | 1 11 | 12 22 | 1 26 | 13 31 | 2 4 | 19 5 | 0 54 | 2 18 | 2 18 | 22 44 | 0 7 | 13 33 | 1 49 | 20 33 | 15 39 | 15 14 | 15 19 | 1 18 | 10 7 | 6 32 |
| T 5 | 15 44 | 12 38 | 0 33 | 20 17 | 1 19 | 11 55 | 1 25 | 13 41 | 2 3 | 19 7 | 0 54 | 2 16 | 2 18 | 22 44 | 0 7 | 13 33 | 1 49 | 20 32 | 15 39 | 15 13 | 15 18 | 1 15 | 10 8 | 6 32 |
| F 6 | 15 26 | 18 7 | 0n40 | 19 54 | 1 25 | 11 27 | 1 25 | 13 51 | 2 3 | 19 8 | 0 54 | 2 13 | 2 18 | 22 44 | 0 7 | 13 33 | 1 49 | 20 31 | 15 38 | 15 13 | 15 17 | 1 12 | 10 9 | 6 32 |
| S 7 | 15 8 | 22 32 | 1 50 | 19 29 | 1 31 | 10 59 | 1 24 | 14 1 | 2 2 | 19 10 | 0 54 | 2 11 | 2 18 | 22 44 | 0 7 | 13 34 | 1 49 | 20 30 | 15 38 | 15 13 | 15 16 | 1 8 | 10 10 | 6 32 |
| S 8 | 14 50 | 25 39 | 2 52 | 19 2 | 1 36 | 10 31 | 1 23 | 14 11 | 2 2 | 19 11 | 0 54 | 2 8 | 2 18 | 22 44 | 0 7 | 13 34 | 1 49 | 20 29 | 15 38 | 15 13 | 15 15 | 1 5 | 10 11 | 6 32 |
| M 9 | 14 31 | 27 18 | 3 44 | 18 32 | 1 40 | 10 3 | 1 22 | 14 20 | 2 1 | 19 13 | 0 54 | 2 6 | 2 18 | 22 44 | 0 7 | 13 34 | 1 49 | 20 28 | 15 38 | 15 11 | 15 14 | 1 2 | 10 12 | 6 32 |
| T 10 | 14 13 | 27 25 | 4 23 | 18 1 | 1 43 | 9 34 | 1 22 | 14 29 | 2 0 | 19 14 | 0 55 | 2 3 | 2 18 | 22 43 | 0 7 | 13 34 | 1 49 | 20 27 | 15 38 | 15 9 | 15 13 | 0 58 | 10 13 | 6 32 |
| W11 | 13 53 | 26 5 | 4 49 | 17 27 | 1 45 | 9 5 | 1 21 | 14 39 | 2 0 | 19 15 | 0 55 | 2 0 | 2 18 | 22 43 | 0 7 | 13 35 | 1 48 | 20 26 | 15 38 | 15 6 | 15 12 | 0 55 | 10 14 | 6 32 |
| T 12 | 13 34 | 23 27 | 5 0 | 16 52 | 1 46 | 8 36 | 1 20 | 14 48 | 1 59 | 19 17 | 0 55 | 1 58 | 2 17 | 22 43 | 0 7 | 13 35 | 1 48 | 20 25 | 15 38 | 15 2 | 15 11 | 0 52 | 10 15 | 6 32 |
| F 13 | 13 15 | 19 47 | 4 57 | 16 15 | 1 47 | 8 6 | 1 19 | 14 56 | 1 59 | 19 18 | 0 55 | 1 55 | 2 17 | 22 43 | 0 7 | 13 35 | 1 48 | 20 24 | 15 37 | 14 58 | 15 10 | 0 48 | 10 16 | 6 32 |
| S 14 | 12 55 | 15 19 | 4 40 | 15 37 | 1 47 | 7 37 | 1 18 | 15 5 | 1 58 | 19 19 | 0 55 | 1 52 | 2 17 | 22 43 | 0 7 | 13 36 | 1 48 | 20 23 | 15 37 | 14 54 | 15 9 | 0 45 | 10 16 | 6 31 |
| S 15 | 12 35 | 10 19 | 4 11 | 14 57 | 1 47 | 7 7 | 1 16 | 15 14 | 1 57 | 19 20 | 0 55 | 1 50 | 2 17 | 22 43 | 0 7 | 13 36 | 1 48 | 20 22 | 15 37 | 14 50 | 15 8 | 0 42 | 10 17 | 6 31 |
| M16 | 12 15 | 4 59 | 3 31 | 14 17 | 1 45 | 6 37 | 1 15 | 15 22 | 1 57 | 19 21 | 0 55 | 1 47 | 2 17 | 22 43 | 0 7 | 13 36 | 1 48 | 20 21 | 15 37 | 14 47 | 15 7 | 0 39 | 10 18 | 6 31 |
| T 17 | 11 55 | 0s29 | 2 41 | 13 35 | 1 44 | 6 7 | 1 14 | 15 30 | 1 56 | 19 22 | 0 55 | 1 44 | 2 17 | 22 43 | 0 7 | 13 37 | 1 48 | 20 20 | 15 37 | 14 45 | 15 6 | 0 35 | 10 19 | 6 31 |
| W18 | 11 34 | 5 56 | 1 45 | 12 52 | 1 41 | 5 36 | 1 12 | 15 39 | 1 55 | 19 23 | 0 55 | 1 42 | 2 17 | 22 43 | 0 7 | 13 37 | 1 48 | 20 19 | 15 37 | 14 43 | 15 5 | 0 32 | 10 20 | 6 31 |
| T 19 | 11 14 | 11 11 | 0 45 | 12 9 | 1 38 | 5 6 | 1 11 | 15 46 | 1 55 | 19 24 | 0 55 | 1 39 | 2 17 | 22 43 | 0 7 | 13 37 | 1 48 | 20 18 | 15 37 | 14 43 | 15 4 | 0 29 | 10 21 | 6 31 |
| F 20 | 10 53 | 16 5 | 0s18 | 11 25 | 1 35 | 4 35 | 1 10 | 15 54 | 1 54 | 19 25 | 0 55 | 1 36 | 2 17 | 22 43 | 0 7 | 13 38 | 1 48 | 20 17 | 15 37 | 14 43 | 15 3 | 0 25 | 10 22 | 6 31 |
| S 21 | 10 32 | 20 26 | 1 22 | 10 41 | 1 31 | 4 4 | 1 8 | 16 2 | 1 53 | 19 26 | 0 55 | 1 33 | 2 17 | 22 43 | 0 7 | 13 38 | 1 48 | 20 16 | 15 37 | 14 43 | 15 2 | 0 22 | 10 23 | 6 31 |
| S 22 | 10 10 | 23 59 | 2 23 | 9 56 | 1 27 | 3 33 | 1 6 | 16 10 | 1 52 | 19 27 | 0 55 | 1 31 | 2 17 | 22 43 | 0 7 | 13 39 | 1 48 | 20 15 | 15 37 | 14 43 | 15 1 | 0 19 | 10 24 | 6 30 |
| M23 | 9 49 | 26 29 | 3 19 | 9 11 | 1 23 | 3 2 | 1 5 | 16 17 | 1 51 | 19 28 | 0 56 | 1 28 | 2 16 | 22 43 | 0 7 | 13 39 | 1 48 | 20 14 | 15 37 | 14 42 | 15 0 | 0 15 | 10 25 | 6 30 |
| T 24 | 9 28 | 27 38 | 4 6 | 8 25 | 1 18 | 2 31 | 1 3 | 16 24 | 1 51 | 19 29 | 0 56 | 1 25 | 2 16 | 22 43 | 0 7 | 13 39 | 1 48 | 20 14 | 15 37 | 14 41 | 14 59 | 0 12 | 10 26 | 6 30 |
| W25 | 9 6 | 27 11 | 4 41 | 7 39 | 1 13 | 2 0 | 1 1 | 16 31 | 1 50 | 19 29 | 0 56 | 1 22 | 2 16 | 22 43 | 0 7 | 13 40 | 1 48 | 20 13 | 15 37 | 14 40 | 14 58 | 0 9 | 10 27 | 6 30 |
| T 26 | 8 44 | 25 2 | 5 1 | 6 54 | 1 8 | 1 29 | 0 59 | 16 38 | 1 49 | 19 30 | 0 56 | 1 20 | 2 16 | 22 44 | 0 7 | 13 40 | 1 48 | 20 12 | 15 37 | 14 37 | 14 57 | 0 5 | 10 28 | 6 30 |
| F 27 | 8 22 | 21 12 | 5 3 | 6 8 | 1 2 | 0 57 | 0 57 | 16 45 | 1 48 | 19 31 | 0 56 | 1 17 | 2 16 | 22 44 | 0 7 | 13 41 | 1 48 | 20 11 | 15 36 | 14 35 | 14 56 | 0 2 | 10 29 | 6 29 |
| S 28 | 8 0 | 15 57 | 4 44 | 5 22 | 0 56 | 0 26 | 0 56 | 16 52 | 1 47 | 19 31 | 0 56 | 1 14 | 2 16 | 22 44 | 0 7 | 13 41 | 1 48 | 20 10 | 15 36 | 14 32 | 14 55 | 0s 1 | 10 30 | 6 29 |
| S 29 | 7 38 | 9 40 | 4 6 | 4 36 | 0 50 | 0s 5 | 0 54 | 16 58 | 1 46 | 19 32 | 0 56 | 1 11 | 2 16 | 22 44 | 0 7 | 13 41 | 1 47 | 20 9 | 15 36 | 14 29 | 14 54 | 0 5 | 10 31 | 6 29 |
| M30 | 7 15 | 2 47 | 3 10 | 3 50 | 0 44 | 0 37 | 0 51 | 17 5 | 1 45 | 19 33 | 0 56 | 1 8 | 2 16 | 22 44 | 0 7 | 13 42 | 1 47 | 20 8 | 15 36 | 14 27 | 14 53 | 0 8 | 10 31 | 6 29 |
| T 31 | 6n53 | 4n13 | 2s 1 | 3n 4 | 0n37 | 1s 8 | 0n49 | 17n11 | 1s44 | 19n33 | 0s56 | 1n 5 | 2n16 | 22s44 | 0s 7 | 13s42 | 1n47 | 20n 7 | 15n37 | 14n25 | 14n52 | 0s11 | 10s32 | 6n29 |

Julian Day Number = 2079215.5, Delta T = 26m02s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°31'57, Lahiri = 9°38'57 Julian Calendar 1 Aug. 980 == Greg. Calendar 6 Aug. 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## SEPTEMBER 980 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 1 54 | 13♍32'57 | 0♉10 | 25♍23 | 5♎58 | 24♉15 | 1♊ 1 | 2♎35 | 14♐ 7 | 11♏39 | 15♍24 | 8°R29 | 9♉52 | 7♎ 2 | 13°R52 | W 1 |
| T 2 | 23 5 50 | 14°31'41 | 14°39 | 27° 1 | 7°12 | 24°35 | 1° 4 | 2°42 | 14° 8 | 11°41 | 15°26 | 8°D29 | 9°49 | 7° 9 | 13♒49 | T 2 |
| F 3 | 23 9 47 | 15°30'29 | 28°45 | 28°39 | 8°26 | 24°55 | 1° 6 | 2°49 | 14° 8 | 11°42 | 15°28 | 8♉30 | 9°45 | 7°15 | 13°47 | F 3 |
| S 4 | 23 13 43 | 16°29'18 | 12♊27 | 0♎15 | 9°40 | 25°14 | 1° 8 | 2°56 | 14° 9 | 11°44 | 15°30 | 8°R30 | 9°42 | 7°22 | 13°45 | S 4 |
| S 5 | 23 17 40 | 17°28'10 | 25°47 | 1°50 | 10°54 | 25°32 | 1°10 | 3° 3 | 14°10 | 11°45 | 15°33 | 8°30 | 9°39 | 7°29 | 13°42 | S 5 |
| M 6 | 23 21 37 | 18°27'04 | 8♋48 | 3°25 | 12° 7 | 25°50 | 1°12 | 3°11 | 14°11 | 11°47 | 15°35 | 8°28 | 9°36 | 7°35 | 13°40 | M 6 |
| T 7 | 23 25 33 | 19°26'01 | 21°32 | 4°58 | 13°21 | 26° 7 | 1°13 | 3°18 | 14°12 | 11°48 | 15°37 | 8°24 | 9°33 | 7°42 | 13°38 | T 7 |
| W 8 | 23 29 30 | 20°25'00 | 4♌ 3 | 6°31 | 14°35 | 26°24 | 1°15 | 3°25 | 14°13 | 11°50 | 15°39 | 8°18 | 9°29 | 7°49 | 13°35 | W 8 |
| T 9 | 23 33 26 | 21°24'01 | 16°21 | 8° 3 | 15°49 | 26°40 | 1°16 | 3°32 | 14°14 | 11°51 | 15°42 | 8°10 | 9°26 | 7°55 | 13°33 | T 9 |
| F 10 | 23 37 23 | 22°23'04 | 28°30 | 9°33 | 17° 3 | 26°55 | 1°17 | 3°39 | 14°15 | 11°53 | 15°44 | 8° 1 | 9°23 | 8° 2 | 13°31 | F 10 |
| S 11 | 23 41 19 | 23°22'10 | 10♍32 | 11° 3 | 18°17 | 27°10 | 1°17 | 3°46 | 14°17 | 11°54 | 15°46 | 7°52 | 9°20 | 8° 9 | 13°29 | S 11 |
| S 12 | 23 45 16 | 24°21'17 | 22°27 | 12°32 | 19°31 | 27°24 | 1°18 | 3°54 | 14°18 | 11°56 | 15°48 | 7°44 | 9°17 | 8°15 | 13°27 | S 12 |
| M13 | 23 49 12 | 25°20'27 | 4♎18 | 14° 1 | 20°45 | 27°37 | 1°18 | 4° 1 | 14°19 | 11°58 | 15°51 | 7°38 | 9°14 | 8°22 | 13°25 | M13 |
| T 14 | 23 53 9 | 26°19'38 | 16° 5 | 15°28 | 21°59 | 27°50 | 1°R18 | 4° 8 | 14°20 | 11°59 | 15°53 | 7°34 | 9°10 | 8°29 | 13°23 | T 14 |
| W15 | 23 57 5 | 27°18'52 | 27°53 | 16°54 | 23°12 | 28° 2 | 1°18 | 4°15 | 14°22 | 12° 1 | 15°55 | 7°31 | 9° 7 | 8°35 | 13°21 | W15 |
| T 16 | 0 1 2 | 28°18'08 | 9♏42 | 18°20 | 24°26 | 28°13 | 1°18 | 4°23 | 14°23 | 12° 3 | 15°57 | 7°D31 | 9° 4 | 8°42 | 13°19 | T 16 |
| F 17 | 0 4 59 | 29°17'26 | 21°37 | 19°44 | 25°40 | 28°23 | 1°18 | 4°30 | 14°25 | 12° 5 | 15°59 | 7°32 | 9° 1 | 8°49 | 13°17 | F 17 |
| S 18 | 0 8 55 | 0♎16'45 | 3♐42 | 21° 8 | 26°54 | 28°33 | 1°17 | 4°37 | 14°26 | 12° 6 | 16° 2 | 7°33 | 8°58 | 8°55 | 13°16 | S 18 |
| S 19 | 0 12 52 | 1°16'07 | 16° 0 | 22°31 | 28° 8 | 28°42 | 1°16 | 4°45 | 14°28 | 12° 8 | 16° 4 | 7°35 | 8°54 | 9° 2 | 13°14 | S 19 |
| M20 | 0 16 48 | 2°15'30 | 28°37 | 23°52 | 29°22 | 28°50 | 1°15 | 4°52 | 14°29 | 12°10 | 16° 6 | 7°R36 | 8°51 | 9° 9 | 13°12 | M20 |
| T 21 | 0 20 45 | 3°14'55 | 11♑37 | 25°13 | 0♏35 | 28°58 | 1°14 | 4°59 | 14°31 | 12°12 | 16° 8 | 7°35 | 8°48 | 9°15 | 13°11 | T 21 |
| W22 | 0 24 41 | 4°14'22 | 25° 3 | 26°32 | 1°49 | 29° 5 | 1°12 | 5° 6 | 14°33 | 12°14 | 16°10 | 7°34 | 8°45 | 9°22 | 13° 9 | W22 |
| T 23 | 0 28 38 | 5°13'51 | 8♒58 | 27°50 | 3° 3 | 29°10 | 1°11 | 5°14 | 14°35 | 12°16 | 16°13 | 7°31 | 8°42 | 9°29 | 13° 8 | T 23 |
| F 24 | 0 32 34 | 6°13'22 | 23°21 | 29° 7 | 4°17 | 29°16 | 1° 9 | 5°21 | 14°36 | 12°18 | 16°15 | 7°26 | 8°39 | 9°35 | 13° 6 | F 24 |
| S 25 | 0 36 31 | 7°12'54 | 8♓ 9 | 0♏22 | 5°30 | 29°20 | 1° 7 | 5°28 | 14°38 | 12°19 | 16°17 | 7°22 | 8°35 | 9°42 | 13° 5 | S 25 |
| S 26 | 0 40 28 | 8°12'28 | 23°15 | 1°36 | 6°44 | 29°23 | 1° 4 | 5°36 | 14°40 | 12°21 | 16°19 | 7°18 | 8°32 | 9°49 | 13° 4 | S 26 |
| M27 | 0 44 24 | 9°12'04 | 8♈31 | 2°48 | 7°58 | 29°26 | 1° 2 | 5°43 | 14°42 | 12°23 | 16°21 | 7°15 | 8°29 | 9°55 | 13° 2 | M27 |
| T 28 | 0 48 21 | 10°11'42 | 23°45 | 3°59 | 9°11 | 29°28 | 0°59 | 5°50 | 14°44 | 12°25 | 16°23 | 7°13 | 8°26 | 10° 2 | 13° 1 | T 28 |
| W29 | 0 52 17 | 11°11'23 | 8♉48 | 5° 8 | 10°25 | 29°29 | 0°56 | 5°57 | 14°46 | 12°27 | 16°25 | 7°D12 | 8°23 | 10° 9 | 13° 0 | W29 |
| T 30 | 0 56 14 | 12♎11'05 | 23♉33 | 6♏14 | 11♏39 | 29°R29 | 0♊53 | 6♎ 5 | 14♐48 | 12♏29 | 16♍28 | 7♉13 | 8♉20 | 10♎15 | 12♒59 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n30 | 10n54 | 0s44 | 2n19 | 0n31 | 1s40 | 0n47 | 17n17 | 1s43 | 19n34 | 0s56 | 1n 3 | 2n16 | 22s44 | 0s 7 | 13s43 | 1n47 | 20n 6 | 15n37 | 14n25 | 14n51 | 0s15 | 10s33 | 6n28 |
| T 2 | 6 7 | 16 51 | 0n33 | 1 33 | 0 24 | 2 11 | 0 45 | 17 23 | 1 42 | 19 34 | 0 56 | 1 0 | 2 16 | 22 44 | 0 7 | 13 43 | 1 47 | 20 5 | 15 37 | 14 25 | 14 50 | 0 18 | 10 34 | 6 28 |
| F 3 | 5 45 | 21 44 | 1 47 | 0 48 | 0 17 | 2 42 | 0 43 | 17 29 | 1 41 | 19 34 | 0 56 | 0 57 | 2 16 | 22 44 | 0 7 | 13 44 | 1 47 | 20 5 | 15 37 | 14 25 | 14 49 | 0 21 | 10 35 | 6 28 |
| S 4 | 5 22 | 25 16 | 2 52 | 0 3 | 0 10 | 3 14 | 0 41 | 17 34 | 1 39 | 19 35 | 0 56 | 0 54 | 2 16 | 22 44 | 0 7 | 13 44 | 1 47 | 20 4 | 15 37 | 14 25 | 14 48 | 0 25 | 10 36 | 6 28 |
| S 5 | 4 59 | 27 17 | 3 47 | 0s41 | 0 3 | 3 45 | 0 38 | 17 40 | 1 38 | 19 35 | 0 57 | 0 51 | 2 16 | 22 44 | 0 7 | 13 45 | 1 47 | 20 3 | 15 37 | 14 25 | 14 47 | 0 28 | 10 37 | 6 27 |
| M 6 | 4 36 | 27 44 | 4 28 | 1 26 | 0s 4 | 4 16 | 0 36 | 17 45 | 1 37 | 19 35 | 0 57 | 0 48 | 2 16 | 22 44 | 0 7 | 13 45 | 1 47 | 20 2 | 15 37 | 14 24 | 14 46 | 0 31 | 10 38 | 6 27 |
| T 7 | 4 12 | 26 41 | 4 54 | 2 10 | 0 11 | 4 47 | 0 33 | 17 51 | 1 36 | 19 36 | 0 57 | 0 45 | 2 16 | 22 45 | 0 7 | 13 46 | 1 47 | 20 1 | 15 37 | 14 23 | 14 45 | 0 35 | 10 39 | 6 27 |
| W 8 | 3 49 | 24 19 | 5 7 | 2 53 | 0 19 | 5 18 | 0 31 | 17 56 | 1 34 | 19 36 | 0 57 | 0 42 | 2 16 | 22 45 | 0 7 | 13 46 | 1 47 | 20 0 | 15 37 | 14 21 | 14 44 | 0 38 | 10 40 | 6 27 |
| T 9 | 3 26 | 20 51 | 5 4 | 3 36 | 0 26 | 5 49 | 0 28 | 18 1 | 1 33 | 19 36 | 0 57 | 0 40 | 2 16 | 22 45 | 0 7 | 13 47 | 1 47 | 20 0 | 15 37 | 14 18 | 14 43 | 0 41 | 10 40 | 6 26 |
| F 10 | 3 2 | 16 33 | 4 48 | 4 19 | 0 33 | 6 20 | 0 26 | 18 5 | 1 32 | 19 36 | 0 57 | 0 37 | 2 16 | 22 45 | 0 7 | 13 47 | 1 47 | 19 59 | 15 37 | 14 16 | 14 42 | 0 45 | 10 41 | 6 26 |
| S 11 | 2 39 | 11 40 | 4 20 | 5 1 | 0 40 | 6 51 | 0 23 | 18 10 | 1 30 | 19 36 | 0 57 | 0 34 | 2 16 | 22 45 | 0 7 | 13 48 | 1 47 | 19 58 | 15 37 | 14 13 | 14 41 | 0 48 | 10 42 | 6 26 |
| S 12 | 2 15 | 6 22 | 3 40 | 5 43 | 0 48 | 7 21 | 0 21 | 18 15 | 1 29 | 19 36 | 0 57 | 0 31 | 2 15 | 22 45 | 0 7 | 13 49 | 1 47 | 19 57 | 15 37 | 14 10 | 14 40 | 0 51 | 10 43 | 6 25 |
| M13 | 1 52 | 0 53 | 2 50 | 6 24 | 0 55 | 7 52 | 0 18 | 18 19 | 1 28 | 19 36 | 0 57 | 0 28 | 2 15 | 22 45 | 0 7 | 13 49 | 1 47 | 19 56 | 15 37 | 14 8 | 14 39 | 0 55 | 10 44 | 6 25 |
| T 14 | 1 28 | 4s37 | 1 54 | 7 5 | 1 2 | 8 22 | 0 16 | 18 23 | 1 26 | 19 36 | 0 57 | 0 25 | 2 15 | 22 46 | 0 7 | 13 50 | 1 47 | 19 56 | 15 38 | 14 7 | 14 38 | 0 58 | 10 45 | 6 25 |
| W15 | 1 4 | 9 58 | 0 52 | 7 45 | 1 10 | 8 52 | 0 13 | 18 28 | 1 25 | 19 36 | 0 57 | 0 22 | 2 15 | 22 46 | 0 7 | 13 50 | 1 47 | 19 55 | 15 38 | 14 6 | 14 37 | 1 1 | 10 46 | 6 24 |
| T 16 | 0 41 | 14 59 | 0s12 | 8 24 | 1 17 | 9 22 | 0 10 | 18 32 | 1 23 | 19 36 | 0 57 | 0 19 | 2 15 | 22 46 | 0 7 | 13 51 | 1 47 | 19 54 | 15 38 | 14 6 | 14 36 | 1 5 | 10 46 | 6 24 |
| F 17 | 0 17 | 19 30 | 1 16 | 9 3 | 1 24 | 9 52 | 0 7 | 18 35 | 1 21 | 19 36 | 0 57 | 0 16 | 2 15 | 22 46 | 0 7 | 13 51 | 1 47 | 19 53 | 15 38 | 14 6 | 14 35 | 1 8 | 10 47 | 6 24 |
| S 18 | 0s 7 | 23 16 | 2 18 | 9 41 | 1 31 | 10 21 | 0 5 | 18 39 | 1 20 | 19 36 | 0 57 | 0 13 | 2 15 | 22 46 | 0 7 | 13 52 | 1 46 | 19 53 | 15 38 | 14 6 | 14 34 | 1 11 | 10 48 | 6 24 |
| S 19 | 0 30 | 26 4 | 3 15 | 10 19 | 1 38 | 10 50 | 0 2 | 18 43 | 1 18 | 19 35 | 0 58 | 0 11 | 2 15 | 22 46 | 0 7 | 13 53 | 1 46 | 19 52 | 15 38 | 14 7 | 14 33 | 1 15 | 10 49 | 6 23 |
| M20 | 0 54 | 27 37 | 4 3 | 10 56 | 1 44 | 11 19 | 0s 1 | 18 46 | 1 16 | 19 35 | 0 58 | 0 8 | 2 15 | 22 47 | 0 7 | 13 53 | 1 46 | 19 51 | 15 39 | 14 7 | 14 32 | 1 18 | 10 50 | 6 23 |
| T 21 | 1 18 | 27 44 | 4 41 | 11 32 | 1 51 | 11 48 | 0 4 | 18 50 | 1 15 | 19 35 | 0 58 | 0 5 | 2 15 | 22 47 | 0 7 | 13 54 | 1 46 | 19 51 | 15 39 | 14 7 | 14 31 | 1 21 | 10 50 | 6 23 |
| W22 | 1 42 | 26 15 | 5 5 | 12 7 | 1 58 | 12 17 | 0 7 | 18 53 | 1 13 | 19 34 | 0 58 | 0 2 | 2 15 | 22 47 | 0 7 | 13 54 | 1 46 | 19 50 | 15 39 | 14 7 | 14 30 | 1 25 | 10 51 | 6 22 |
| T 23 | 2 5 | 23 8 | 5 13 | 12 41 | 2 4 | 12 45 | 0 9 | 18 56 | 1 11 | 19 34 | 0 58 | 0s 1 | 2 15 | 22 47 | 0 7 | 13 55 | 1 46 | 19 49 | 15 39 | 14 6 | 14 29 | 1 28 | 10 52 | 6 22 |
| F 24 | 2 29 | 18 32 | 5 1 | 13 15 | 2 10 | 13 13 | 0 12 | 18 59 | 1 9 | 19 34 | 0 58 | 0 4 | 2 16 | 22 47 | 0 7 | 13 56 | 1 46 | 19 49 | 15 39 | 14 4 | 14 28 | 1 31 | 10 53 | 6 22 |
| S 25 | 2 53 | 12 43 | 4 29 | 13 47 | 2 16 | 13 40 | 0 15 | 19 2 | 1 7 | 19 33 | 0 58 | 0 7 | 2 16 | 22 48 | 0 7 | 13 56 | 1 46 | 19 48 | 15 40 | 14 3 | 14 27 | 1 35 | 10 53 | 6 21 |
| S 26 | 3 16 | 6 2 | 3 38 | 14 19 | 2 22 | 14 7 | 0 18 | 19 4 | 1 5 | 19 33 | 0 58 | 0 10 | 2 16 | 22 48 | 0 7 | 13 57 | 1 46 | 19 47 | 15 40 | 14 1 | 14 26 | 1 38 | 10 54 | 6 21 |
| M27 | 3 40 | 1n 5 | 2 31 | 14 49 | 2 27 | 14 34 | 0 21 | 19 7 | 1 3 | 19 32 | 0 58 | 0 13 | 2 16 | 22 48 | 0 7 | 13 57 | 1 46 | 19 47 | 15 40 | 14 0 | 14 25 | 1 41 | 10 55 | 6 20 |
| T 28 | 4 4 | 8 8 | 1 13 | 15 18 | 2 32 | 15 1 | 0 24 | 19 9 | 1 1 | 19 31 | 0 58 | 0 15 | 2 16 | 22 48 | 0 7 | 13 58 | 1 46 | 19 46 | 15 40 | 14 0 | 14 24 | 1 45 | 10 55 | 6 20 |
| W29 | 4 27 | 14 39 | 0n 9 | 15 46 | 2 37 | 15 27 | 0 27 | 19 11 | 0 59 | 19 31 | 0 58 | 0 18 | 2 16 | 22 49 | 0 7 | 13 59 | 1 46 | 19 45 | 15 40 | 14 0 | 14 23 | 1 48 | 10 56 | 6 20 |
| T 30 | 4s51 | 20n12 | 1n29 | 16s13 | 2s42 | 15s53 | 0s30 | 19n13 | 0s57 | 19n30 | 0s58 | 0s21 | 2n16 | 22s49 | 0s 7 | 13s59 | 1n46 | 19n45 | 15n41 | 14n 0 | 14n22 | 1s51 | 10s57 | 6n19 |

Julian Day Number = 2079246.5, Delta T = 26m01s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'01, Lahiri = 9°39'02 Julian Calendar 1 Sept. 980 == Greg. Calendar 6 Sept. 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## OCTOBER 980 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 1 0 10 | 13♎10'50 | 7♊53 | 7♏19 | 12♏52 | 29°R28 | 0°R50 | 6♎12 | 14♐50 | 12♏31 | 16♍30 | 7♉14 | 8♉16 | 10♎22 | 12°R58 | F 1 |
| S 2 | 1 4 7 | 14°10'38 | 21°47 | 8°21 | 14° 6 | 29♉26 | 0♊47 | 6°19 | 14°53 | 12°33 | 16°32 | 7°16 | 8°13 | 10°29 | 12♒57 | S 2 |
| S 3 | 1 8 3 | 15°10'27 | 5♋14 | 9°20 | 15°19 | 29°24 | 0°43 | 6°26 | 14°55 | 12°35 | 16°34 | 7°17 | 8°10 | 10°35 | 12°56 | S 3 |
| M 4 | 1 12 0 | 16°10'19 | 18°17 | 10°17 | 16°33 | 29°20 | 0°39 | 6°34 | 14°57 | 12°37 | 16°36 | 7°R17 | 8° 7 | 10°42 | 12°55 | M 4 |
| T 5 | 1 15 57 | 17°10'13 | 0♌59 | 11° 9 | 17°47 | 29°16 | 0°35 | 6°41 | 14°59 | 12°39 | 16°38 | 7°16 | 8° 4 | 10°49 | 12°54 | T 5 |
| W 6 | 1 19 53 | 18°10'10 | 13°23 | 11°59 | 19° 0 | 29°10 | 0°31 | 6°48 | 15° 2 | 12°42 | 16°40 | 7°15 | 8° 0 | 10°55 | 12°53 | W 6 |
| T 7 | 1 23 50 | 19°10'08 | 25°34 | 12°44 | 20°14 | 29° 4 | 0°27 | 6°55 | 15° 4 | 12°44 | 16°42 | 7°12 | 7°57 | 11° 2 | 12°53 | T 7 |
| F 8 | 1 27 46 | 20°10'09 | 7♍34 | 13°25 | 21°27 | 28°57 | 0°22 | 7° 2 | 15° 6 | 12°46 | 16°44 | 7°10 | 7°54 | 11° 9 | 12°52 | F 8 |
| S 9 | 1 31 43 | 21°10'12 | 19°28 | 14° 0 | 22°41 | 28°49 | 0°17 | 7°10 | 15° 9 | 12°48 | 16°46 | 7° 7 | 7°51 | 11°15 | 12°51 | S 9 |
| S 10 | 1 35 39 | 22°10'17 | 1♎18 | 14°30 | 23°54 | 28°40 | 0°12 | 7°17 | 15°11 | 12°50 | 16°48 | 7° 5 | 7°48 | 11°22 | 12°51 | S 10 |
| M11 | 1 39 36 | 23°10'23 | 13° 6 | 14°54 | 25° 8 | 28°31 | 0° 7 | 7°24 | 15°14 | 12°52 | 16°50 | 7° 3 | 7°45 | 11°29 | 12°50 | M11 |
| T 12 | 1 43 32 | 24°10'32 | 24°55 | 15°11 | 26°21 | 28°20 | 0° 2 | 7°31 | 15°16 | 12°54 | 16°51 | 7° 2 | 7°41 | 11°35 | 12°50 | T 12 |
| W13 | 1 47 29 | 25°10'43 | 6♏46 | 15°21 | 27°35 | 28° 9 | 29♉57 | 7°38 | 15°19 | 12°56 | 16°53 | 7°D 1 | 7°38 | 11°42 | 12°50 | W13 |
| T 14 | 1 51 26 | 26°10'55 | 18°42 | 15°R22 | 28°48 | 27°56 | 29°51 | 7°45 | 15°22 | 12°59 | 16°55 | 7° 2 | 7°35 | 11°49 | 12°49 | T 14 |
| F 15 | 1 55 22 | 27°11'10 | 0♐46 | 15°15 | 0♐ 1 | 27°43 | 29°45 | 7°52 | 15°24 | 13° 1 | 16°57 | 7° 2 | 7°32 | 11°55 | 12°49 | F 15 |
| S 16 | 1 59 19 | 28°11'26 | 12°58 | 14°58 | 1°15 | 27°29 | 29°39 | 7°59 | 15°27 | 13° 3 | 16°59 | 7° 3 | 7°29 | 12° 2 | 12°49 | S 16 |
| S 17 | 2 3 15 | 29°11'44 | 25°23 | 14°32 | 2°28 | 27°14 | 29°33 | 8° 6 | 15°30 | 13° 5 | 17° 1 | 7° 4 | 7°26 | 12° 9 | 12°49 | S 17 |
| M18 | 2 7 12 | 0♏12'03 | 8♑ 4 | 13°56 | 3°42 | 26°59 | 29°27 | 8°13 | 15°33 | 13° 7 | 17° 2 | 7° 5 | 7°22 | 12°15 | 12°D49 | M18 |
| T 19 | 2 11 8 | 1°12'24 | 21° 2 | 13°10 | 4°55 | 26°43 | 29°21 | 8°20 | 15°35 | 13°10 | 17° 4 | 7° 5 | 7°19 | 12°22 | 12°49 | T 19 |
| W20 | 2 15 5 | 2°12'46 | 4♒22 | 12°15 | 6° 8 | 26°26 | 29°14 | 8°27 | 15°38 | 13°12 | 17° 6 | 7°R 5 | 7°16 | 12°29 | 12°49 | W20 |
| T 21 | 2 19 1 | 3°13'10 | 18° 6 | 11°11 | 7°21 | 26° 8 | 29° 8 | 8°34 | 15°41 | 13°14 | 17° 8 | 7° 5 | 7°13 | 12°35 | 12°49 | T 21 |
| F 22 | 2 22 58 | 4°13'35 | 2♓13 | 10° 0 | 8°35 | 25°50 | 29° 1 | 8°41 | 15°44 | 13°16 | 17° 9 | 7° 5 | 7°10 | 12°42 | 12°50 | F 22 |
| S 23 | 2 26 55 | 5°14'01 | 16°43 | 8°44 | 9°48 | 25°31 | 28°54 | 8°48 | 15°47 | 13°19 | 17°11 | 7° 5 | 7° 6 | 12°49 | 12°50 | S 23 |
| S 24 | 2 30 51 | 6°14'29 | 1♈33 | 7°24 | 11° 1 | 25°12 | 28°47 | 8°54 | 15°50 | 13°21 | 17°13 | 7° 5 | 7° 3 | 12°55 | 12°50 | S 24 |
| M25 | 2 34 48 | 7°14'58 | 16°35 | 6° 3 | 12°14 | 24°52 | 28°40 | 9° 1 | 15°53 | 13°23 | 17°14 | 7°D 4 | 7° 0 | 13° 2 | 12°51 | M25 |
| T 26 | 2 38 44 | 8°15'28 | 1♉42 | 4°45 | 13°27 | 24°31 | 28°33 | 9° 8 | 15°56 | 13°25 | 17°16 | 7°R 5 | 6°57 | 13° 9 | 12°51 | T 26 |
| W27 | 2 42 41 | 9°16'01 | 16°45 | 3°30 | 14°40 | 24°10 | 28°26 | 9°14 | 15°59 | 13°28 | 17°17 | 7° 4 | 6°54 | 13°15 | 12°52 | W27 |
| T 28 | 2 46 37 | 10°16'35 | 1♊35 | 2°23 | 15°53 | 23°49 | 28°18 | 9°21 | 16° 2 | 13°30 | 17°19 | 7° 4 | 6°51 | 13°22 | 12°52 | T 28 |
| F 29 | 2 50 34 | 11°17'10 | 16° 4 | 1°24 | 17° 6 | 23°27 | 28°11 | 9°28 | 16° 5 | 13°32 | 17°21 | 7° 4 | 6°47 | 13°29 | 12°53 | F 29 |
| S 30 | 2 54 30 | 12°17'48 | 0♋ 9 | 0°36 | 18°19 | 23° 5 | 28° 3 | 9°34 | 16° 8 | 13°34 | 17°22 | 7° 3 | 6°44 | 13°35 | 12°54 | S 30 |
| S 31 | 2 58 27 | 13♏18'27 | 13♋47 | 29♎59 | 19♐32 | 22♉43 | 27♉56 | 9♎41 | 16♐12 | 13♏37 | 17♍24 | 7♉ 3 | 6♉41 | 13♎42 | 12♒54 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s14 | 24n24 | 2n41 | 16s39 | 2s46 | 16s18 | 0s33 | 19n15 | 0s55 | 19n29 | 0s58 | 0s24 | 2n16 | 22s49 | 0s 7 | 14s 0 | 1n46 | 19n44 | 15n41 | 14n 0 | 14n21 | 1s55 | 10s57 | 6n19 |
| S 2 | 5 37 | 27 0 | 3 41 | 17 2 | 2 50 | 16 43 | 0 35 | 19 17 | 0 53 | 19 29 | 0 58 | 0 27 | 2 16 | 22 49 | 0 7 | 14 1 | 1 46 | 19 44 | 15 41 | 14 1 | 14 20 | 1 58 | 10 58 | 6 19 |
| S 3 | 6 1 | 27 56 | 4 28 | 17 25 | 2 53 | 17 8 | 0 38 | 19 19 | 0 50 | 19 28 | 0 58 | 0 30 | 2 16 | 22 50 | 0 7 | 14 1 | 1 46 | 19 43 | 15 42 | 14 1 | 14 18 | 2 1 | 10 59 | 6 18 |
| M 4 | 6 24 | 27 15 | 4 58 | 17 46 | 2 56 | 17 32 | 0 41 | 19 20 | 0 48 | 19 27 | 0 58 | 0 32 | 2 16 | 22 50 | 0 7 | 14 2 | 1 46 | 19 42 | 15 42 | 14 1 | 14 17 | 2 5 | 10 59 | 6 18 |
| T 5 | 6 47 | 25 9 | 5 14 | 18 5 | 2 58 | 17 56 | 0 44 | 19 22 | 0 46 | 19 26 | 0 58 | 0 35 | 2 16 | 22 50 | 0 7 | 14 3 | 1 46 | 19 42 | 15 42 | 14 1 | 14 16 | 2 8 | 11 0 | 6 17 |
| W 6 | 7 10 | 21 54 | 5 14 | 18 21 | 2 59 | 18 19 | 0 47 | 19 23 | 0 43 | 19 25 | 0 58 | 0 38 | 2 16 | 22 50 | 0 7 | 14 3 | 1 46 | 19 41 | 15 42 | 14 0 | 14 15 | 2 11 | 11 0 | 6 17 |
| T 7 | 7 33 | 17 46 | 5 0 | 18 36 | 3 0 | 18 42 | 0 50 | 19 24 | 0 41 | 19 24 | 0 58 | 0 41 | 2 16 | 22 51 | 0 7 | 14 4 | 1 46 | 19 41 | 15 43 | 14 0 | 14 14 | 2 15 | 11 1 | 6 17 |
| F 8 | 7 56 | 12 59 | 4 32 | 18 49 | 3 0 | 19 4 | 0 53 | 19 25 | 0 38 | 19 23 | 0 58 | 0 44 | 2 16 | 22 51 | 0 7 | 14 4 | 1 46 | 19 40 | 15 43 | 13 59 | 14 13 | 2 18 | 11 2 | 6 16 |
| S 9 | 8 18 | 7 46 | 3 54 | 18 59 | 3 0 | 19 26 | 0 55 | 19 26 | 0 36 | 19 22 | 0 58 | 0 46 | 2 16 | 22 51 | 0 7 | 14 5 | 1 46 | 19 40 | 15 43 | 13 58 | 14 12 | 2 21 | 11 2 | 6 16 |
| S 10 | 8 41 | 2 19 | 3 5 | 19 6 | 2 58 | 19 48 | 0 58 | 19 26 | 0 33 | 19 21 | 0 58 | 0 49 | 2 16 | 22 51 | 0 7 | 14 6 | 1 46 | 19 39 | 15 44 | 13 57 | 14 11 | 2 25 | 11 3 | 6 16 |
| M11 | 9 3 | 3s14 | 2 9 | 19 11 | 2 55 | 20 9 | 1 1 | 19 27 | 0 31 | 19 20 | 0 58 | 0 52 | 2 16 | 22 52 | 0 7 | 14 6 | 1 46 | 19 39 | 15 44 | 13 57 | 14 10 | 2 28 | 11 3 | 6 15 |
| T 12 | 9 26 | 8 40 | 1 7 | 19 12 | 2 51 | 20 29 | 1 4 | 19 27 | 0 28 | 19 19 | 0 58 | 0 55 | 2 16 | 22 52 | 0 7 | 14 7 | 1 46 | 19 39 | 15 44 | 13 56 | 14 9 | 2 31 | 11 4 | 6 15 |
| W13 | 9 48 | 13 50 | 0 1 | 19 10 | 2 46 | 20 49 | 1 7 | 19 27 | 0 25 | 19 18 | 0 58 | 0 58 | 2 16 | 22 52 | 0 7 | 14 8 | 1 46 | 19 38 | 15 45 | 13 56 | 14 8 | 2 35 | 11 4 | 6 14 |
| T 14 | 10 10 | 18 31 | 1s 4 | 19 4 | 2 39 | 21 8 | 1 9 | 19 27 | 0 23 | 19 17 | 0 58 | 1 0 | 2 17 | 22 53 | 0 7 | 14 9 | 1 46 | 19 38 | 15 45 | 13 56 | 14 7 | 2 38 | 11 4 | 6 14 |
| F 15 | 10 32 | 22 31 | 2 8 | 18 55 | 2 31 | 21 26 | 1 12 | 19 26 | 0 20 | 19 16 | 0 58 | 1 3 | 2 17 | 22 53 | 0 7 | 14 9 | 1 46 | 19 37 | 15 45 | 13 56 | 14 6 | 2 41 | 11 5 | 6 14 |
| S 16 | 10 53 | 25 34 | 3 7 | 18 40 | 2 22 | 21 44 | 1 15 | 19 26 | 0 17 | 19 14 | 0 58 | 1 6 | 2 17 | 22 53 | 0 7 | 14 10 | 1 46 | 19 37 | 15 46 | 13 57 | 14 5 | 2 45 | 11 5 | 6 13 |
| S 17 | 11 15 | 27 27 | 3 58 | 18 22 | 2 10 | 22 2 | 1 17 | 19 25 | 0 14 | 19 13 | 0 58 | 1 8 | 2 17 | 22 54 | 0 7 | 14 11 | 1 46 | 19 36 | 15 46 | 13 57 | 14 4 | 2 48 | 11 6 | 6 13 |
| M18 | 11 36 | 27 57 | 4 38 | 17 59 | 1 57 | 22 19 | 1 20 | 19 25 | 0 11 | 19 12 | 0 58 | 1 11 | 2 17 | 22 54 | 0 7 | 14 11 | 1 46 | 19 36 | 15 47 | 13 57 | 14 3 | 2 51 | 11 6 | 6 12 |
| T 19 | 11 58 | 26 57 | 5 5 | 17 31 | 1 43 | 22 35 | 1 22 | 19 24 | 0 8 | 19 10 | 0 58 | 1 14 | 2 17 | 22 54 | 0 7 | 14 12 | 1 46 | 19 36 | 15 47 | 13 57 | 14 2 | 2 55 | 11 7 | 6 12 |
| W20 | 12 19 | 24 24 | 5 17 | 16 58 | 1 26 | 22 51 | 1 25 | 19 22 | 0 6 | 19 9 | 0 58 | 1 16 | 2 17 | 22 54 | 0 7 | 14 13 | 1 46 | 19 35 | 15 47 | 13 57 | 14 1 | 2 58 | 11 7 | 6 12 |
| T 21 | 12 39 | 20 26 | 5 12 | 16 21 | 1 8 | 23 6 | 1 27 | 19 21 | 0 3 | 19 8 | 0 58 | 1 19 | 2 17 | 22 55 | 0 7 | 14 13 | 1 46 | 19 35 | 15 48 | 13 57 | 14 0 | 3 1 | 11 7 | 6 11 |
| F 22 | 13 0 | 15 13 | 4 48 | 15 41 | 0 49 | 23 20 | 1 30 | 19 20 | 0n 0 | 19 6 | 0 58 | 1 21 | 2 17 | 22 55 | 0 7 | 14 14 | 1 46 | 19 35 | 15 48 | 13 57 | 13 59 | 3 5 | 11 8 | 6 11 |
| S 23 | 13 20 | 9 1 | 4 5 | 14 57 | 0 29 | 23 34 | 1 32 | 19 18 | 0 3 | 19 5 | 0 58 | 1 24 | 2 17 | 22 55 | 0 7 | 14 15 | 1 46 | 19 35 | 15 49 | 13 57 | 13 58 | 3 8 | 11 8 | 6 10 |
| S 24 | 13 41 | 2 12 | 3 5 | 14 12 | 0 9 | 23 47 | 1 34 | 19 16 | 0 6 | 19 3 | 0 58 | 1 27 | 2 18 | 22 56 | 0 7 | 14 15 | 1 46 | 19 34 | 15 49 | 13 57 | 13 57 | 3 11 | 11 8 | 6 10 |
| M25 | 14 1 | 4n50 | 1 52 | 13 25 | 0n12 | 23 59 | 1 37 | 19 14 | 0 9 | 19 2 | 0 58 | 1 29 | 2 18 | 22 56 | 0 7 | 14 16 | 1 46 | 19 34 | 15 49 | 13 57 | 13 56 | 3 15 | 11 8 | 6 10 |
| T 26 | 14 20 | 11 40 | 0 30 | 12 40 | 0 32 | 24 11 | 1 39 | 19 12 | 0 12 | 19 0 | 0 58 | 1 32 | 2 18 | 22 56 | 0 7 | 14 17 | 1 46 | 19 34 | 15 50 | 13 57 | 13 55 | 3 18 | 11 9 | 6 9 |
| W27 | 14 40 | 17 47 | 0n54 | 11 57 | 0 52 | 24 22 | 1 41 | 19 10 | 0 15 | 18 59 | 0 58 | 1 34 | 2 18 | 22 57 | 0 7 | 14 17 | 1 46 | 19 34 | 15 50 | 13 57 | 13 54 | 3 21 | 11 9 | 6 9 |
| T 28 | 14 59 | 22 45 | 2 12 | 11 16 | 1 10 | 24 32 | 1 43 | 19 8 | 0 18 | 18 57 | 0 58 | 1 37 | 2 18 | 22 57 | 0 7 | 14 18 | 1 46 | 19 33 | 15 51 | 13 57 | 13 52 | 3 25 | 11 9 | 6 8 |
| F 29 | 15 18 | 26 10 | 3 20 | 10 41 | 1 26 | 24 41 | 1 45 | 19 5 | 0 21 | 18 56 | 0 58 | 1 39 | 2 18 | 22 57 | 0 7 | 14 19 | 1 46 | 19 33 | 15 51 | 13 57 | 13 51 | 3 28 | 11 9 | 6 8 |
| S 30 | 15 37 | 27 49 | 4 14 | 10 10 | 1 41 | 24 50 | 1 47 | 19 2 | 0 24 | 18 54 | 0 58 | 1 42 | 2 18 | 22 58 | 0 7 | 14 19 | 1 46 | 19 33 | 15 52 | 13 57 | 13 50 | 3 31 | 11 9 | 6 7 |
| S 31 | 15s55 | 27n42 | 4n52 | 9s45 | 1n54 | 24s58 | 1s49 | 19n 0 | 0n27 | 18n52 | 0s58 | 1s44 | 2n18 | 22s58 | 0s 7 | 14s20 | 1n46 | 19n33 | 15n52 | 13n56 | 13n49 | 3s35 | 11s10 | 6n 7 |

Julian Day Number = 2079276.5, Delta T = 26m01s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'05, Lahiri = 9°39'06 Julian Calendar 1 Oct. 980 == Greg. Calendar 6 Oct. 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## NOVEMBER 980 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 2 24 | 14♏19'08 | 26♋57 | 29°R33 | 20♐45 | 22°R21 | 27°R48 | 9♎47 | 16♐15 | 13♏39 | 17♍25 | 7°R 2 | 6♉38 | 13♎49 | 12♒55 | M 1 |
| T 2 | 3 6 20 | 15°19'50 | 9♌44 | 29♎20 | 21°58 | 21♉58 | 27♉40 | 9°54 | 16°18 | 13°41 | 17°26 | 7°D 2 | 6°35 | 13°55 | 12°56 | T 2 |
| W 3 | 3 10 17 | 16°20'35 | 22°10 | 29°D17 | 23°11 | 21°35 | 27°32 | 10° 0 | 16°21 | 13°43 | 17°28 | 7♉ 2 | 6°32 | 14° 2 | 12°57 | W 3 |
| T 4 | 3 14 13 | 17°21'20 | 4♍19 | 29°26 | 24°24 | 21°12 | 27°24 | 10° 6 | 16°24 | 13°46 | 17°29 | 7° 2 | 6°28 | 14° 9 | 12°58 | T 4 |
| F 5 | 3 18 10 | 18°22'08 | 16°17 | 29°44 | 25°36 | 20°49 | 27°16 | 10°13 | 16°28 | 13°48 | 17°30 | 7° 3 | 6°25 | 14°15 | 12°59 | F 5 |
| S 6 | 3 22 6 | 19°22'56 | 28° 7 | 0♏11 | 26°49 | 20°26 | 27° 8 | 10°19 | 16°31 | 13°50 | 17°32 | 7° 4 | 6°22 | 14°22 | 13° 1 | S 6 |
| S 7 | 3 26 3 | 20°23'47 | 9♎54 | 0°47 | 28° 2 | 20° 4 | 27° 0 | 10°25 | 16°34 | 13°52 | 17°33 | 7° 6 | 6°19 | 14°28 | 13° 2 | S 7 |
| M 8 | 3 29 59 | 21°24'39 | 21°43 | 1°30 | 29°14 | 19°41 | 26°52 | 10°31 | 16°38 | 13°55 | 17°34 | 7° 7 | 6°16 | 14°35 | 13° 3 | M 8 |
| T 9 | 3 33 56 | 22°25'32 | 3♏35 | 2°19 | 0♑27 | 19°18 | 26°44 | 10°37 | 16°41 | 13°57 | 17°36 | 7°R 7 | 6°12 | 14°42 | 13° 4 | T 9 |
| W10 | 3 37 53 | 23°26'26 | 15°33 | 3°14 | 1°40 | 18°56 | 26°36 | 10°43 | 16°44 | 13°59 | 17°37 | 7° 7 | 6° 9 | 14°48 | 13° 6 | W10 |
| T 11 | 3 41 49 | 24°27'22 | 27°40 | 4°14 | 2°52 | 18°34 | 26°28 | 10°49 | 16°48 | 14° 1 | 17°38 | 7° 6 | 6° 6 | 14°55 | 13° 7 | T 11 |
| F 12 | 3 45 46 | 25°28'19 | 9♐58 | 5°19 | 4° 5 | 18°13 | 26°19 | 10°55 | 16°51 | 14° 4 | 17°39 | 7° 4 | 6° 3 | 15° 2 | 13° 9 | F 12 |
| S 13 | 3 49 42 | 26°29'17 | 22°26 | 6°27 | 5°17 | 17°51 | 26°11 | 11° 1 | 16°55 | 14° 6 | 17°40 | 7° 1 | 6° 0 | 15° 8 | 13°10 | S 13 |
| S 14 | 3 53 39 | 27°30'16 | 5♑ 7 | 7°39 | 6°29 | 17°30 | 26° 3 | 11° 7 | 16°58 | 14° 8 | 17°41 | 6°58 | 5°57 | 15°15 | 13°12 | S 14 |
| M15 | 3 57 35 | 28°31'15 | 18° 2 | 8°53 | 7°42 | 17°10 | 25°55 | 11°12 | 17° 2 | 14°10 | 17°42 | 6°55 | 5°53 | 15°22 | 13°14 | M15 |
| T 16 | 4 1 32 | 29°32'16 | 1♒10 | 10°10 | 8°54 | 16°50 | 25°47 | 11°18 | 17° 5 | 14°12 | 17°43 | 6°52 | 5°50 | 15°28 | 13°15 | T 16 |
| W17 | 4 5 28 | 0♐33'17 | 14°33 | 11°28 | 10° 6 | 16°31 | 25°38 | 11°24 | 17° 9 | 14°15 | 17°44 | 6°50 | 5°47 | 15°35 | 13°17 | W17 |
| T 18 | 4 9 25 | 1°34'19 | 28°12 | 12°49 | 11°18 | 16°12 | 25°30 | 11°29 | 17°12 | 14°17 | 17°45 | 6°D49 | 5°44 | 15°42 | 13°19 | T 18 |
| F 19 | 4 13 22 | 2°35'21 | 12♓ 8 | 14°11 | 12°30 | 15°54 | 25°22 | 11°35 | 17°16 | 14°19 | 17°46 | 6°49 | 5°41 | 15°48 | 13°21 | F 19 |
| S 20 | 4 17 18 | 3°36'24 | 26°19 | 15°35 | 13°42 | 15°37 | 25°14 | 11°40 | 17°19 | 14°21 | 17°47 | 6°50 | 5°37 | 15°55 | 13°23 | S 20 |
| S 21 | 4 21 15 | 4°37'27 | 10♈45 | 16°59 | 14°54 | 15°20 | 25° 6 | 11°45 | 17°23 | 14°23 | 17°48 | 6°52 | 5°34 | 16° 2 | 13°25 | S 21 |
| M22 | 4 25 11 | 5°38'31 | 25°22 | 18°25 | 16° 6 | 15° 4 | 24°58 | 11°51 | 17°26 | 14°25 | 17°49 | 6°53 | 5°31 | 16° 8 | 13°27 | M22 |
| T 23 | 4 29 8 | 6°39'35 | 10♉ 6 | 19°51 | 17°18 | 14°48 | 24°50 | 11°56 | 17°30 | 14°28 | 17°49 | 6°R53 | 5°28 | 16°15 | 13°29 | T 23 |
| W24 | 4 33 4 | 7°40'40 | 24°50 | 21°19 | 18°30 | 14°34 | 24°43 | 12° 1 | 17°34 | 14°30 | 17°50 | 6°52 | 5°25 | 16°22 | 13°31 | W24 |
| T 25 | 4 37 1 | 8°41'46 | 9♊28 | 22°46 | 19°41 | 14°20 | 24°35 | 12° 6 | 17°37 | 14°32 | 17°51 | 6°49 | 5°22 | 16°28 | 13°34 | T 25 |
| F 26 | 4 40 57 | 9°42'52 | 23°52 | 24°15 | 20°53 | 14° 7 | 24°27 | 12°11 | 17°41 | 14°34 | 17°51 | 6°45 | 5°18 | 16°35 | 13°36 | F 26 |
| S 27 | 4 44 54 | 10°43'59 | 7♋57 | 25°44 | 22° 4 | 13°54 | 24°20 | 12°16 | 17°44 | 14°36 | 17°52 | 6°40 | 5°15 | 16°42 | 13°38 | S 27 |
| S 28 | 4 48 51 | 11°45'07 | 21°39 | 27°13 | 23°16 | 13°43 | 24°12 | 12°21 | 17°48 | 14°38 | 17°53 | 6°34 | 5°12 | 16°48 | 13°41 | S 28 |
| M29 | 4 52 47 | 12°46'15 | 4♌56 | 28°43 | 24°27 | 13°32 | 24° 5 | 12°26 | 17°52 | 14°40 | 17°53 | 6°28 | 5° 9 | 16°55 | 13°43 | M29 |
| T 30 | 4 56 44 | 13♐47'24 | 17♌48 | 0♐13 | 25♑38 | 13♉22 | 23♉58 | 12♎30 | 17♐55 | 14♏42 | 17♍54 | 6♉24 | 5♉ 6 | 17♎ 2 | 13♒46 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s13 | 26n 0 | 5n13 | 9s26 | 2n 5 | 25s 6 | 1s51 | 18n57 | 0n30 | 18n51 | 0s58 | 1s47 | 2n19 | 22s58 | 0s 7 | 14s21 | 1n46 | 19n33 | 15n53 | 13n56 | 13n48 | 3s38 | 11s10 | 6n 7 |
| T 2 | 16 31 | 23 0 | 5 17 | 9 13 | 2 13 | 25 12 | 1 53 | 18 54 | 0 33 | 18 49 | 0 58 | 1 49 | 2 19 | 22 59 | 0 7 | 14 21 | 1 46 | 19 32 | 15 53 | 13 56 | 13 47 | 3 41 | 11 10 | 6 6 |
| W 3 | 16 49 | 19 2 | 5 7 | 9 6 | 2 20 | 25 18 | 1 55 | 18 51 | 0 36 | 18 47 | 0 58 | 1 51 | 2 19 | 22 59 | 0 7 | 14 22 | 1 46 | 19 32 | 15 53 | 13 56 | 13 46 | 3 45 | 11 10 | 6 6 |
| T 4 | 17 6 | 14 21 | 4 42 | 9 4 | 2 25 | 25 23 | 1 56 | 18 47 | 0 39 | 18 45 | 0 57 | 1 54 | 2 19 | 22 59 | 0 7 | 14 23 | 1 46 | 19 32 | 15 54 | 13 56 | 13 45 | 3 48 | 11 10 | 6 6 |
| F 5 | 17 24 | 9 13 | 4 6 | 9 8 | 2 28 | 25 28 | 1 58 | 18 44 | 0 42 | 18 44 | 0 57 | 1 56 | 2 19 | 23 0 | 0 7 | 14 23 | 1 46 | 19 32 | 15 54 | 13 57 | 13 44 | 3 51 | 11 10 | 6 5 |
| S 6 | 17 40 | 3 48 | 3 20 | 9 15 | 2 30 | 25 31 | 1 59 | 18 41 | 0 45 | 18 42 | 0 57 | 1 58 | 2 19 | 23 0 | 0 7 | 14 24 | 1 46 | 19 32 | 15 55 | 13 57 | 13 43 | 3 55 | 11 10 | 6 5 |
| S 7 | 17 57 | 1s43 | 2 25 | 9 27 | 2 31 | 25 34 | 2 1 | 18 37 | 0 48 | 18 40 | 0 57 | 2 1 | 2 19 | 23 0 | 0 7 | 14 25 | 1 46 | 19 32 | 15 55 | 13 57 | 13 42 | 3 58 | 11 10 | 6 4 |
| M 8 | 18 13 | 7 12 | 1 24 | 9 43 | 2 30 | 25 36 | 2 2 | 18 34 | 0 50 | 18 38 | 0 57 | 2 3 | 2 20 | 23 1 | 0 7 | 14 25 | 1 46 | 19 32 | 15 56 | 13 58 | 13 41 | 4 1 | 11 10 | 6 4 |
| T 9 | 18 29 | 12 28 | 0 20 | 10 1 | 2 28 | 25 38 | 2 4 | 18 30 | 0 53 | 18 37 | 0 57 | 2 5 | 2 20 | 23 1 | 0 7 | 14 26 | 1 46 | 19 32 | 15 56 | 13 58 | 13 40 | 4 5 | 11 10 | 6 4 |
| W10 | 18 44 | 17 20 | 0s47 | 10 23 | 2 26 | 25 39 | 2 5 | 18 27 | 0 56 | 18 35 | 0 57 | 2 7 | 2 20 | 23 1 | 0 7 | 14 27 | 1 46 | 19 32 | 15 57 | 13 58 | 13 39 | 4 8 | 11 10 | 6 3 |
| T 11 | 18 59 | 21 33 | 1 51 | 10 46 | 2 22 | 25 38 | 2 6 | 18 23 | 0 58 | 18 33 | 0 57 | 2 10 | 2 20 | 23 2 | 0 7 | 14 27 | 1 46 | 19 32 | 15 57 | 13 58 | 13 38 | 4 12 | 11 10 | 6 3 |
| F 12 | 19 14 | 24 54 | 2 52 | 11 12 | 2 18 | 25 38 | 2 7 | 18 19 | 1 1 | 18 31 | 0 57 | 2 12 | 2 20 | 23 2 | 0 7 | 14 28 | 1 46 | 19 32 | 15 58 | 13 57 | 13 37 | 4 15 | 11 10 | 6 2 |
| S 13 | 19 29 | 27 6 | 3 45 | 11 39 | 2 14 | 25 36 | 2 8 | 18 16 | 1 3 | 18 30 | 0 56 | 2 14 | 2 20 | 23 2 | 0 7 | 14 29 | 1 46 | 19 32 | 15 58 | 13 56 | 13 36 | 4 18 | 11 10 | 6 2 |
| S 14 | 19 43 | 27 56 | 4 28 | 12 7 | 2 8 | 25 33 | 2 9 | 18 12 | 1 6 | 18 28 | 0 56 | 2 16 | 2 21 | 23 3 | 0 7 | 14 29 | 1 46 | 19 32 | 15 59 | 13 55 | 13 35 | 4 22 | 11 10 | 6 2 |
| M15 | 19 57 | 27 16 | 4 58 | 12 36 | 2 3 | 25 30 | 2 10 | 18 9 | 1 8 | 18 26 | 0 56 | 2 18 | 2 21 | 23 3 | 0 7 | 14 30 | 1 46 | 19 32 | 16 0 | 13 54 | 13 34 | 4 25 | 11 10 | 6 1 |
| T 16 | 20 10 | 25 6 | 5 13 | 13 6 | 1 57 | 25 26 | 2 10 | 18 5 | 1 11 | 18 24 | 0 56 | 2 20 | 2 21 | 23 4 | 0 7 | 14 31 | 1 46 | 19 32 | 16 0 | 13 53 | 13 32 | 4 28 | 11 10 | 6 1 |
| W17 | 20 23 | 21 31 | 5 12 | 13 36 | 1 50 | 25 22 | 2 11 | 18 2 | 1 13 | 18 22 | 0 56 | 2 22 | 2 21 | 23 4 | 0 7 | 14 31 | 1 46 | 19 32 | 16 1 | 13 52 | 13 31 | 4 32 | 11 10 | 6 1 |
| T 18 | 20 35 | 16 44 | 4 53 | 14 7 | 1 44 | 25 16 | 2 12 | 17 59 | 1 15 | 18 21 | 0 56 | 2 24 | 2 21 | 23 4 | 0 7 | 14 32 | 1 46 | 19 32 | 16 1 | 13 52 | 13 30 | 4 35 | 11 10 | 6 0 |
| F 19 | 20 48 | 11 0 | 4 17 | 14 38 | 1 37 | 25 10 | 2 12 | 17 56 | 1 18 | 18 19 | 0 56 | 2 26 | 2 22 | 23 5 | 0 7 | 14 33 | 1 46 | 19 33 | 16 2 | 13 52 | 13 29 | 4 38 | 11 9 | 6 0 |
| S 20 | 21 0 | 4 36 | 3 25 | 15 10 | 1 30 | 25 3 | 2 12 | 17 52 | 1 20 | 18 17 | 0 55 | 2 28 | 2 22 | 23 5 | 0 7 | 14 33 | 1 46 | 19 33 | 16 2 | 13 52 | 13 28 | 4 42 | 11 9 | 5 59 |
| S 21 | 21 11 | 2n 9 | 2 19 | 15 41 | 1 23 | 24 56 | 2 13 | 17 50 | 1 22 | 18 15 | 0 55 | 2 30 | 2 22 | 23 5 | 0 7 | 14 34 | 1 46 | 19 33 | 16 3 | 13 53 | 13 27 | 4 45 | 11 9 | 5 59 |
| M22 | 21 22 | 8 53 | 1 3 | 16 11 | 1 16 | 24 47 | 2 13 | 17 47 | 1 24 | 18 14 | 0 55 | 2 32 | 2 22 | 23 6 | 0 7 | 14 34 | 1 46 | 19 33 | 16 3 | 13 53 | 13 26 | 4 48 | 11 9 | 5 59 |
| T 23 | 21 33 | 15 12 | 0n18 | 16 42 | 1 9 | 24 38 | 2 13 | 17 44 | 1 26 | 18 12 | 0 55 | 2 34 | 2 22 | 23 6 | 0 7 | 14 35 | 1 46 | 19 33 | 16 4 | 13 53 | 13 25 | 4 52 | 11 8 | 5 58 |
| W24 | 21 43 | 20 39 | 1 37 | 17 12 | 1 1 | 24 29 | 2 13 | 17 41 | 1 28 | 18 10 | 0 55 | 2 35 | 2 23 | 23 6 | 0 7 | 14 36 | 1 46 | 19 33 | 16 4 | 13 53 | 13 24 | 4 55 | 11 8 | 5 58 |
| T 25 | 21 53 | 24 47 | 2 49 | 17 42 | 0 54 | 24 18 | 2 13 | 17 39 | 1 29 | 18 8 | 0 55 | 2 37 | 2 23 | 23 7 | 0 7 | 14 36 | 1 46 | 19 34 | 16 5 | 13 52 | 13 23 | 4 58 | 11 8 | 5 58 |
| F 26 | 22 2 | 27 15 | 3 49 | 18 11 | 0 46 | 24 7 | 2 12 | 17 37 | 1 31 | 18 7 | 0 54 | 2 39 | 2 23 | 23 7 | 0 7 | 14 37 | 1 46 | 19 34 | 16 6 | 13 51 | 13 22 | 5 2 | 11 8 | 5 57 |
| S 27 | 22 11 | 27 53 | 4 34 | 18 40 | 0 39 | 23 55 | 2 12 | 17 35 | 1 33 | 18 5 | 0 54 | 2 41 | 2 23 | 23 7 | 0 7 | 14 37 | 1 46 | 19 34 | 16 6 | 13 49 | 13 21 | 5 5 | 11 7 | 5 57 |
| S 28 | 22 19 | 26 46 | 5 1 | 19 8 | 0 32 | 23 43 | 2 12 | 17 33 | 1 35 | 18 3 | 0 54 | 2 42 | 2 23 | 23 8 | 0 7 | 14 38 | 1 46 | 19 34 | 16 7 | 13 47 | 13 20 | 5 8 | 11 7 | 5 57 |
| M29 | 22 27 | 24 10 | 5 11 | 19 35 | 0 24 | 23 30 | 2 11 | 17 31 | 1 36 | 18 2 | 0 54 | 2 44 | 2 24 | 23 8 | 0 7 | 14 39 | 1 46 | 19 35 | 16 7 | 13 45 | 13 19 | 5 12 | 11 7 | 5 56 |
| T 30 | 22s35 | 20n25 | 5n 5 | 20s 2 | 0n17 | 23s16 | 2s10 | 17n29 | 1n38 | 18n 0 | 0s54 | 2s46 | 2n24 | 23s 8 | 0s 7 | 14s39 | 1n46 | 19n35 | 16n 8 | 13n44 | 13n18 | 5s15 | 11s 6 | 5n56 |

Julian Day Number = 2079307.5, Delta T = 26m00s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'10, Lahiri = 9°39'10 Julian Calendar 1 Nov. 980 == Greg. Calendar 6 Nov. 980


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# ASTRODIENST EPHEMERIS for the year 980
# geocentric

## DECEMBER 980 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 0 40 | 14♐48'34 | 0♍18 | 1♐44 | 26♑49 | 13°R13 | 23°R50 | 12♎35 | 17♐59 | 14♏44 | 17♍54 | 6°R21 | 5♉ 3 | 17♎ 8 | 13♒48 | W 1 |
| T 2 | 5 4 37 | 15°49'44 | 12°30 | 3°15 | 28° 0 | 13♉ 4 | 23♉43 | 12°40 | 18° 2 | 14°46 | 17°55 | 6°D20 | 4°59 | 17°15 | 13°51 | T 2 |
| F 3 | 5 8 33 | 16°50'55 | 24°28 | 4°46 | 29°11 | 12°57 | 23°36 | 12°44 | 18° 6 | 14°48 | 17°55 | 6♉20 | 4°56 | 17°21 | 13°53 | F 3 |
| S 4 | 5 12 30 | 17°52'07 | 6♎18 | 6°18 | 0♒22 | 12°50 | 23°30 | 12°48 | 18°10 | 14°50 | 17°56 | 6°21 | 4°53 | 17°28 | 13°56 | S 4 |
| S 5 | 5 16 27 | 18°53'19 | 18° 5 | 7°49 | 1°33 | 12°44 | 23°23 | 12°53 | 18°13 | 14°52 | 17°56 | 6°23 | 4°50 | 17°35 | 13°59 | S 5 |
| M 6 | 5 20 23 | 19°54'31 | 29°55 | 9°21 | 2°44 | 12°39 | 23°16 | 12°57 | 18°17 | 14°54 | 17°56 | 6°24 | 4°47 | 17°41 | 14° 2 | M 6 |
| T 7 | 5 24 20 | 20°55'44 | 11♏50 | 10°54 | 3°54 | 12°35 | 23°10 | 13° 1 | 18°20 | 14°56 | 17°57 | 6°R24 | 4°43 | 17°48 | 14° 4 | T 7 |
| W 8 | 5 28 16 | 21°56'58 | 23°56 | 12°26 | 5° 5 | 12°31 | 23° 4 | 13° 5 | 18°24 | 14°58 | 17°57 | 6°22 | 4°40 | 17°55 | 14° 7 | W 8 |
| T 9 | 5 32 13 | 22°58'12 | 6♐15 | 13°59 | 6°15 | 12°29 | 22°57 | 13° 9 | 18°28 | 15° 0 | 17°57 | 6°18 | 4°37 | 18° 1 | 14°10 | T 9 |
| F 10 | 5 36 9 | 23°59'26 | 18°49 | 15°33 | 7°25 | 12°27 | 22°51 | 13°13 | 18°31 | 15° 2 | 17°57 | 6°12 | 4°34 | 18° 8 | 14°13 | F 10 |
| S 11 | 5 40 6 | 25° 0'40 | 1♑38 | 17° 6 | 8°35 | 12°26 | 22°46 | 13°17 | 18°35 | 15° 3 | 17°58 | 6° 4 | 4°31 | 18°15 | 14°16 | S 11 |
| S 12 | 5 44 2 | 26° 1'54 | 14°42 | 18°40 | 9°45 | 12°D26 | 22°40 | 13°20 | 18°39 | 15° 5 | 17°58 | 5°55 | 4°28 | 18°21 | 14°19 | S 12 |
| M13 | 5 47 59 | 27° 3'07 | 27°59 | 20°14 | 10°55 | 12°26 | 22°34 | 13°24 | 18°42 | 15° 7 | 17°58 | 5°45 | 4°24 | 18°28 | 14°22 | M13 |
| T 14 | 5 51 56 | 28° 4'21 | 11♒29 | 21°49 | 12° 4 | 12°28 | 22°29 | 13°28 | 18°46 | 15° 9 | 17°58 | 5°37 | 4°21 | 18°35 | 14°25 | T 14 |
| W15 | 5 55 52 | 29° 5'34 | 25° 8 | 23°24 | 13°14 | 12°30 | 22°24 | 13°31 | 18°49 | 15°11 | 17°R58 | 5°30 | 4°18 | 18°41 | 14°29 | W15 |
| T 16 | 5 59 49 | 0♑ 6'47 | 8♓57 | 24°59 | 14°23 | 12°33 | 22°19 | 13°34 | 18°53 | 15°12 | 17°58 | 5°26 | 4°15 | 18°48 | 14°32 | T 16 |
| F 17 | 6 3 45 | 1° 8'00 | 22°52 | 26°35 | 15°33 | 12°36 | 22°14 | 13°38 | 18°56 | 15°14 | 17°58 | 5°23 | 4°12 | 18°55 | 14°35 | F 17 |
| S 18 | 6 7 42 | 2° 9'11 | 6♈55 | 28°11 | 16°42 | 12°40 | 22° 9 | 13°41 | 19° 0 | 15°16 | 17°58 | 5°D23 | 4° 9 | 19° 1 | 14°38 | S 18 |
| S 19 | 6 11 38 | 3°10'22 | 21° 3 | 29°47 | 17°50 | 12°46 | 22° 5 | 13°44 | 19° 4 | 15°17 | 17°58 | 5°24 | 4° 5 | 19° 8 | 14°42 | S 19 |
| M20 | 6 15 35 | 4°11'33 | 5♉16 | 1♑24 | 18°59 | 12°51 | 22° 0 | 13°47 | 19° 7 | 15°19 | 17°57 | 5°R24 | 4° 2 | 19°15 | 14°45 | M20 |
| T 21 | 6 19 31 | 5°12'43 | 19°33 | 3° 1 | 20° 8 | 12°58 | 21°56 | 13°50 | 19°11 | 15°21 | 17°57 | 5°24 | 3°59 | 19°21 | 14°48 | T 21 |
| W22 | 6 23 28 | 6°13'53 | 3♊49 | 4°39 | 21°16 | 13° 5 | 21°52 | 13°52 | 19°14 | 15°22 | 17°57 | 5°20 | 3°56 | 19°28 | 14°52 | W22 |
| T 23 | 6 27 25 | 7°15'02 | 18° 2 | 6°17 | 22°24 | 13°13 | 21°49 | 13°55 | 19°18 | 15°24 | 17°57 | 5°14 | 3°53 | 19°35 | 14°55 | T 23 |
| F 24 | 6 31 21 | 8°16'10 | 2♋ 6 | 7°56 | 23°32 | 13°21 | 21°45 | 13°58 | 19°21 | 15°25 | 17°57 | 5° 6 | 3°50 | 19°41 | 14°59 | F 24 |
| S 25 | 6 35 18 | 9°17'18 | 15°56 | 9°35 | 24°40 | 13°30 | 21°42 | 14° 0 | 19°25 | 15°27 | 17°56 | 4°55 | 3°46 | 19°48 | 15° 2 | S 25 |
| S 26 | 6 39 14 | 10°18'25 | 29°29 | 11°15 | 25°48 | 13°40 | 21°38 | 14° 3 | 19°28 | 15°28 | 17°56 | 4°44 | 3°43 | 19°54 | 15° 6 | S 26 |
| M27 | 6 43 11 | 11°19'32 | 12♌41 | 12°55 | 26°55 | 13°50 | 21°35 | 14° 5 | 19°31 | 15°30 | 17°56 | 4°32 | 3°40 | 20° 1 | 15° 9 | M27 |
| T 28 | 6 47 7 | 12°20'39 | 25°33 | 14°36 | 28° 2 | 14° 1 | 21°33 | 14° 7 | 19°35 | 15°31 | 17°55 | 4°22 | 3°37 | 20° 8 | 15°13 | T 28 |
| W29 | 6 51 4 | 13°21'44 | 8♍ 4 | 16°17 | 29° 9 | 14°13 | 21°30 | 14° 9 | 19°38 | 15°33 | 17°55 | 4°14 | 3°34 | 20°14 | 15°16 | W29 |
| T 30 | 6 55 1 | 14°22'50 | 20°17 | 17°58 | 0♓16 | 14°25 | 21°28 | 14°11 | 19°42 | 15°34 | 17°54 | 4° 9 | 3°30 | 20°21 | 15°20 | T 30 |
| F 31 | 6 58 57 | 15♑23'55 | 2♎17 | 19♑41 | 1♓22 | 14♉37 | 21♉25 | 14♎13 | 19♐45 | 15♏35 | 17♍54 | 4♉ 6 | 3♉27 | 20♎28 | 15♒24 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s42 | 15n52 | 4n45 | 20s28 | 0n10 | 23s 2 | 2s10 | 17n28 | 1n39 | 17n59 | 0s53 | 2s47 | 2n24 | 23s 9 | 0s 7 | 14s40 | 1n46 | 19n35 | 16n 8 | 13n43 | 13n17 | 5s18 | 11s 6 | 5n56 |
| T 2 | 22 49 | 10 47 | 4 12 | 20 53 | 0 3 | 22 47 | 2 9 | 17 27 | 1 40 | 17 57 | 0 53 | 2 49 | 2 24 | 23 9 | 0 7 | 14 40 | 1 46 | 19 36 | 16 9 | 13 42 | 13 15 | 5 22 | 11 5 | 5 55 |
| F 3 | 22 55 | 5 24 | 3 28 | 21 17 | 0s 4 | 22 31 | 2 8 | 17 26 | 1 42 | 17 55 | 0 53 | 2 50 | 2 24 | 23 9 | 0 7 | 14 41 | 1 46 | 19 36 | 16 9 | 13 42 | 13 14 | 5 25 | 11 5 | 5 55 |
| S 4 | 23 1 | 0s 8 | 2 36 | 21 40 | 0 11 | 22 15 | 2 7 | 17 25 | 1 43 | 17 54 | 0 53 | 2 52 | 2 25 | 23 10 | 0 7 | 14 41 | 1 46 | 19 36 | 16 10 | 13 43 | 13 13 | 5 28 | 11 4 | 5 55 |
| S 5 | 23 6 | 5 38 | 1 38 | 22 2 | 0 18 | 21 58 | 2 5 | 17 24 | 1 44 | 17 53 | 0 53 | 2 53 | 2 25 | 23 10 | 0 7 | 14 42 | 1 46 | 19 37 | 16 11 | 13 43 | 13 12 | 5 32 | 11 4 | 5 54 |
| M 6 | 23 11 | 10 57 | 0 35 | 22 23 | 0 25 | 21 40 | 2 4 | 17 24 | 1 46 | 17 51 | 0 52 | 2 55 | 2 25 | 23 10 | 0 7 | 14 42 | 1 46 | 19 37 | 16 11 | 13 44 | 13 11 | 5 35 | 11 3 | 5 54 |
| T 7 | 23 16 | 15 56 | 0s29 | 22 43 | 0 31 | 21 22 | 2 3 | 17 23 | 1 47 | 17 50 | 0 52 | 2 56 | 2 25 | 23 11 | 0 7 | 14 43 | 1 46 | 19 37 | 16 12 | 13 44 | 13 10 | 5 38 | 11 3 | 5 54 |
| W 8 | 23 20 | 20 22 | 1 34 | 23 2 | 0 38 | 21 4 | 2 1 | 17 23 | 1 48 | 17 48 | 0 52 | 2 58 | 2 26 | 23 11 | 0 7 | 14 44 | 1 46 | 19 38 | 16 12 | 13 43 | 13 9 | 5 41 | 11 2 | 5 53 |
| T 9 | 23 23 | 24 0 | 2 34 | 23 20 | 0 44 | 20 45 | 1 59 | 17 24 | 1 49 | 17 47 | 0 52 | 2 59 | 2 26 | 23 11 | 0 7 | 14 44 | 1 46 | 19 38 | 16 13 | 13 42 | 13 8 | 5 45 | 11 2 | 5 53 |
| F 10 | 23 26 | 26 34 | 3 28 | 23 37 | 0 50 | 20 25 | 1 58 | 17 24 | 1 50 | 17 46 | 0 51 | 3 0 | 2 26 | 23 12 | 0 7 | 14 45 | 1 46 | 19 39 | 16 13 | 13 40 | 13 7 | 5 48 | 11 1 | 5 53 |
| S 11 | 23 29 | 27 47 | 4 13 | 23 53 | 0 56 | 20 5 | 1 56 | 17 24 | 1 51 | 17 44 | 0 51 | 3 1 | 2 26 | 23 12 | 0 7 | 14 45 | 1 46 | 19 39 | 16 14 | 13 37 | 13 6 | 5 51 | 11 1 | 5 53 |
| S 12 | 23 31 | 27 29 | 4 46 | 24 7 | 1 2 | 19 44 | 1 54 | 17 25 | 1 52 | 17 43 | 0 51 | 3 3 | 2 27 | 23 12 | 0 7 | 14 46 | 1 46 | 19 40 | 16 15 | 13 34 | 13 5 | 5 55 | 11 0 | 5 52 |
| M13 | 23 32 | 25 38 | 5 3 | 24 20 | 1 8 | 19 23 | 1 52 | 17 26 | 1 52 | 17 42 | 0 51 | 3 4 | 2 27 | 23 13 | 0 7 | 14 46 | 1 46 | 19 40 | 16 15 | 13 31 | 13 4 | 5 58 | 11 0 | 5 52 |
| T 14 | 23 34 | 22 18 | 5 5 | 24 32 | 1 13 | 19 1 | 1 49 | 17 27 | 1 53 | 17 41 | 0 50 | 3 5 | 2 27 | 23 13 | 0 7 | 14 47 | 1 46 | 19 41 | 16 16 | 13 28 | 13 3 | 6 1 | 10 59 | 5 52 |
| W15 | 23 34 | 17 44 | 4 49 | 24 43 | 1 18 | 18 39 | 1 47 | 17 29 | 1 54 | 17 40 | 0 50 | 3 6 | 2 27 | 23 13 | 0 7 | 14 47 | 1 46 | 19 41 | 16 16 | 13 26 | 13 1 | 6 5 | 10 58 | 5 51 |
| T 16 | 23 34 | 12 12 | 4 16 | 24 52 | 1 23 | 18 16 | 1 45 | 17 30 | 1 55 | 17 39 | 0 50 | 3 7 | 2 28 | 23 14 | 0 7 | 14 47 | 1 46 | 19 42 | 16 17 | 13 24 | 13 0 | 6 8 | 10 58 | 5 51 |
| F 17 | 23 34 | 6 1 | 3 28 | 25 0 | 1 28 | 17 53 | 1 42 | 17 32 | 1 55 | 17 38 | 0 50 | 3 8 | 2 28 | 23 14 | 0 7 | 14 48 | 1 46 | 19 42 | 16 17 | 13 24 | 12 59 | 6 11 | 10 57 | 5 51 |
| S 18 | 23 33 | 0n31 | 2 27 | 25 6 | 1 33 | 17 30 | 1 39 | 17 34 | 1 56 | 17 37 | 0 50 | 3 9 | 2 28 | 23 14 | 0 7 | 14 48 | 1 46 | 19 43 | 16 18 | 13 23 | 12 58 | 6 15 | 10 56 | 5 51 |
| S 19 | 23 32 | 7 5 | 1 16 | 25 11 | 1 37 | 17 6 | 1 36 | 17 36 | 1 57 | 17 36 | 0 49 | 3 10 | 2 28 | 23 14 | 0 7 | 14 49 | 1 47 | 19 43 | 16 19 | 13 24 | 12 57 | 6 18 | 10 56 | 5 50 |
| M20 | 23 30 | 13 20 | 0 1 | 25 15 | 1 41 | 16 42 | 1 33 | 17 38 | 1 57 | 17 35 | 0 49 | 3 11 | 2 29 | 23 15 | 0 7 | 14 49 | 1 47 | 19 44 | 16 19 | 13 24 | 12 56 | 6 21 | 10 55 | 5 50 |
| T 21 | 23 28 | 18 55 | 1n15 | 25 17 | 1 45 | 16 17 | 1 30 | 17 41 | 1 58 | 17 34 | 0 49 | 3 12 | 2 29 | 23 15 | 0 7 | 14 50 | 1 47 | 19 44 | 16 20 | 13 24 | 12 55 | 6 25 | 10 54 | 5 50 |
| W22 | 23 26 | 23 25 | 2 26 | 25 17 | 1 48 | 15 52 | 1 27 | 17 44 | 1 58 | 17 33 | 0 49 | 3 13 | 2 29 | 23 15 | 0 7 | 14 50 | 1 47 | 19 45 | 16 20 | 13 23 | 12 54 | 6 28 | 10 53 | 5 50 |
| T 23 | 23 22 | 26 28 | 3 27 | 25 17 | 1 51 | 15 27 | 1 24 | 17 46 | 1 59 | 17 33 | 0 48 | 3 14 | 2 29 | 23 16 | 0 7 | 14 51 | 1 47 | 19 46 | 16 21 | 13 21 | 12 53 | 6 31 | 10 53 | 5 49 |
| F 24 | 23 19 | 27 48 | 4 15 | 25 14 | 1 54 | 15 1 | 1 20 | 17 49 | 1 59 | 17 32 | 0 48 | 3 14 | 2 30 | 23 16 | 0 7 | 14 51 | 1 47 | 19 46 | 16 21 | 13 18 | 12 52 | 6 35 | 10 52 | 5 49 |
| S 25 | 23 15 | 27 21 | 4 47 | 25 10 | 1 57 | 14 35 | 1 17 | 17 53 | 1 59 | 17 31 | 0 48 | 3 15 | 2 30 | 23 16 | 0 7 | 14 51 | 1 47 | 19 47 | 16 22 | 13 14 | 12 51 | 6 38 | 10 51 | 5 49 |
| S 26 | 23 10 | 25 17 | 5 2 | 25 4 | 1 59 | 14 8 | 1 13 | 17 56 | 2 0 | 17 31 | 0 48 | 3 16 | 2 30 | 23 16 | 0 7 | 14 52 | 1 47 | 19 48 | 16 22 | 13 10 | 12 50 | 6 41 | 10 50 | 5 49 |
| M27 | 23 5 | 21 53 | 5 0 | 24 57 | 2 1 | 13 42 | 1 9 | 17 59 | 2 0 | 17 30 | 0 47 | 3 16 | 2 31 | 23 17 | 0 7 | 14 52 | 1 47 | 19 48 | 16 23 | 13 6 | 12 49 | 6 45 | 10 49 | 5 49 |
| T 28 | 23 0 | 17 30 | 4 43 | 24 48 | 2 2 | 13 15 | 1 6 | 18 3 | 2 0 | 17 30 | 0 47 | 3 17 | 2 31 | 23 17 | 0 7 | 14 52 | 1 47 | 19 49 | 16 24 | 13 3 | 12 47 | 6 48 | 10 49 | 5 48 |
| W29 | 22 54 | 12 29 | 4 12 | 24 37 | 2 3 | 12 48 | 1 2 | 18 7 | 2 1 | 17 29 | 0 47 | 3 18 | 2 31 | 23 17 | 0 7 | 14 53 | 1 47 | 19 49 | 16 24 | 13 0 | 12 46 | 6 51 | 10 48 | 5 48 |
| T 30 | 22 48 | 7 6 | 3 31 | 24 25 | 2 4 | 12 20 | 0 57 | 18 11 | 2 1 | 17 29 | 0 46 | 3 18 | 2 31 | 23 18 | 0 7 | 14 53 | 1 47 | 19 50 | 16 25 | 12 58 | 12 45 | 6 54 | 10 47 | 5 48 |
| F 31 | 22s41 | 1n33 | 2n41 | 24s10 | 2s 4 | 11s53 | 0s53 | 18n15 | 2n 1 | 17n29 | 0s46 | 3s19 | 2n32 | 23s18 | 0s 7 | 14s54 | 1n47 | 19n51 | 16n25 | 12n57 | 12n44 | 6s58 | 10s46 | 5n48 |

Julian Day Number = 2079337.5, Delta T = 26m00s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'14, Lahiri = 9°39'14 Julian Calendar 1 Dec. 980 == Greg. Calendar 6 Dec. 980


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## JANUARY 981 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 2 54 | 16♑24'59 | 14♎ 8 | 21♑23 | 2♓28 | 14♉50 | 21°R23 | 14♎15 | 19♐48 | 15♏37 | 17°R53 | 4°D 5 | 3♉24 | 20♎34 | 15♒28 | S 1 |
| S 2 | 7 6 50 | 17°26'03 | 25°55 | 23° 7 | 3°34 | 15° 4 | 21♉22 | 14°16 | 19°52 | 15°38 | 17♍53 | 4♉ 5 | 3°21 | 20°41 | 15°31 | S 2 |
| M 3 | 7 10 47 | 18°27'06 | 7♏45 | 24°50 | 4°40 | 15°18 | 21°20 | 14°18 | 19°55 | 15°39 | 17°52 | 4°R 5 | 3°18 | 20°48 | 15°35 | M 3 |
| T 4 | 7 14 43 | 19°28'09 | 19°43 | 26°34 | 5°45 | 15°33 | 21°19 | 14°19 | 19°58 | 15°41 | 17°51 | 4° 4 | 3°15 | 20°54 | 15°39 | T 4 |
| W 5 | 7 18 40 | 20°29'11 | 1♐53 | 28°18 | 6°51 | 15°48 | 21°18 | 14°21 | 20° 2 | 15°42 | 17°51 | 4° 1 | 3°11 | 21° 1 | 15°43 | W 5 |
| T 6 | 7 22 36 | 21°30'13 | 14°19 | 0♒ 3 | 7°55 | 16° 4 | 21°17 | 14°22 | 20° 5 | 15°43 | 17°50 | 3°55 | 3° 8 | 21° 8 | 15°46 | T 6 |
| F 7 | 7 26 33 | 22°31'14 | 27° 5 | 1°48 | 9° 0 | 16°20 | 21°16 | 14°23 | 20° 8 | 15°44 | 17°49 | 3°46 | 3° 5 | 21°14 | 15°50 | F 7 |
| S 8 | 7 30 30 | 23°32'13 | 10♑12 | 3°33 | 10° 4 | 16°37 | 21°15 | 14°24 | 20°11 | 15°45 | 17°48 | 3°35 | 3° 2 | 21°21 | 15°54 | S 8 |
| S 9 | 7 34 26 | 24°33'12 | 23°38 | 5°17 | 11° 8 | 16°54 | 21°15 | 14°25 | 20°14 | 15°46 | 17°48 | 3°22 | 2°59 | 21°28 | 15°58 | S 9 |
| M10 | 7 38 23 | 25°34'10 | 7♒21 | 7° 2 | 12°12 | 17°12 | 21°D15 | 14°26 | 20°17 | 15°48 | 17°47 | 3° 9 | 2°56 | 21°34 | 16° 2 | M10 |
| T 11 | 7 42 19 | 26°35'07 | 21°18 | 8°46 | 13°15 | 17°30 | 21°15 | 14°27 | 20°21 | 15°49 | 17°46 | 2°57 | 2°52 | 21°41 | 16° 6 | T 11 |
| W12 | 7 46 16 | 27°36'02 | 5♓24 | 10°29 | 14°18 | 17°48 | 21°15 | 14°28 | 20°24 | 15°50 | 17°45 | 2°47 | 2°49 | 21°48 | 16°10 | W12 |
| T 13 | 7 50 12 | 28°36'56 | 19°34 | 12°12 | 15°21 | 18° 7 | 21°16 | 14°28 | 20°27 | 15°51 | 17°44 | 2°40 | 2°46 | 21°54 | 16°14 | T 13 |
| F 14 | 7 54 9 | 29°37'48 | 3♈45 | 13°53 | 16°23 | 18°26 | 21°16 | 14°28 | 20°30 | 15°51 | 17°43 | 2°36 | 2°43 | 22° 1 | 16°18 | F 14 |
| S 15 | 7 58 5 | 0♒38'39 | 17°54 | 15°32 | 17°25 | 18°46 | 21°17 | 14°29 | 20°33 | 15°52 | 17°42 | 2°34 | 2°40 | 22° 7 | 16°22 | S 15 |
| S 16 | 8 2 2 | 1°39'28 | 2♉ 0 | 17°10 | 18°27 | 19° 6 | 21°18 | 14°29 | 20°36 | 15°53 | 17°41 | 2°34 | 2°36 | 22°14 | 16°26 | S 16 |
| M17 | 8 5 59 | 2°40'16 | 16° 1 | 18°45 | 19°28 | 19°26 | 21°20 | 14°R29 | 20°39 | 15°54 | 17°40 | 2°34 | 2°33 | 22°21 | 16°30 | M17 |
| T 18 | 8 9 55 | 3°41'02 | 29°58 | 20°17 | 20°28 | 19°47 | 21°21 | 14°29 | 20°41 | 15°55 | 17°39 | 2°32 | 2°30 | 22°27 | 16°34 | T 18 |
| W19 | 8 13 52 | 4°41'47 | 13♊50 | 21°46 | 21°29 | 20° 8 | 21°23 | 14°29 | 20°44 | 15°56 | 17°38 | 2°28 | 2°27 | 22°34 | 16°38 | W19 |
| T 20 | 8 17 48 | 5°42'30 | 27°35 | 23°10 | 22°28 | 20°30 | 21°25 | 14°29 | 20°47 | 15°56 | 17°37 | 2°21 | 2°24 | 22°41 | 16°42 | T 20 |
| F 21 | 8 21 45 | 6°43'12 | 11♋12 | 24°30 | 23°28 | 20°52 | 21°27 | 14°28 | 20°50 | 15°57 | 17°36 | 2°11 | 2°21 | 22°47 | 16°46 | F 21 |
| S 22 | 8 25 41 | 7°43'51 | 24°39 | 25°44 | 24°27 | 21°14 | 21°29 | 14°28 | 20°53 | 15°58 | 17°35 | 1°59 | 2°17 | 22°54 | 16°50 | S 22 |
| S 23 | 8 29 38 | 8°44'30 | 7♌51 | 26°52 | 25°25 | 21°36 | 21°31 | 14°27 | 20°55 | 15°58 | 17°34 | 1°46 | 2°14 | 23° 1 | 16°54 | S 23 |
| M24 | 8 33 34 | 9°45'06 | 20°49 | 27°53 | 26°23 | 21°59 | 21°34 | 14°27 | 20°58 | 15°59 | 17°32 | 1°32 | 2°11 | 23° 7 | 16°58 | M24 |
| T 25 | 8 37 31 | 10°45'42 | 3♍30 | 28°46 | 27°20 | 22°22 | 21°37 | 14°26 | 21° 1 | 16° 0 | 17°31 | 1°20 | 2° 8 | 23°14 | 17° 2 | T 25 |
| W26 | 8 41 28 | 11°46'15 | 15°55 | 29°31 | 28°17 | 22°46 | 21°40 | 14°25 | 21° 3 | 16° 0 | 17°30 | 1°10 | 2° 5 | 23°21 | 17° 6 | W26 |
| T 27 | 8 45 24 | 12°46'48 | 28° 6 | 0♓ 6 | 29°13 | 23° 9 | 21°43 | 14°24 | 21° 6 | 16° 1 | 17°29 | 1° 3 | 2° 1 | 23°27 | 17°10 | T 27 |
| F 28 | 8 49 21 | 13°47'19 | 10♎ 4 | 0°33 | 0♈ 8 | 23°33 | 21°47 | 14°23 | 21° 9 | 16° 1 | 17°27 | 0°59 | 1°58 | 23°34 | 17°15 | F 28 |
| S 29 | 8 53 17 | 14°47'48 | 21°55 | 0°49 | 1° 3 | 23°58 | 21°50 | 14°22 | 21°11 | 16° 2 | 17°26 | 0°57 | 1°55 | 23°41 | 17°19 | S 29 |
| S 30 | 8 57 14 | 15°48'16 | 3♏42 | 0°R55 | 1°57 | 24°22 | 21°54 | 14°21 | 21°14 | 16° 2 | 17°25 | 0°D57 | 1°52 | 23°47 | 17°23 | S 30 |
| M31 | 9 1 10 | 16♒48'43 | 15♏32 | 0♓51 | 2♈51 | 24♉47 | 21♉58 | 14♎20 | 21♐16 | 16♏ 2 | 17♍23 | 0°R57 | 1♉49 | 23♎54 | 17♒27 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 22s33 | 4s 0 | 1n44 | 23s54 | 2s 4 | 11s25 | 0s49 | 18n19 | 2n 1 | 17n28 | 0s46 | 3s19 | 2n32 | 23s18 | 0s 7 | 14s54 | 1n47 | 19n52 | 16n26 | 12n57 | 12n43 | 7s 1 | 10s45 | 5n48 | S 1 |
| S 2 | 22 26 | 9 24 | 0 43 | 23 37 | 2 4 | 10 56 | 0 44 | 18 23 | 2 2 | 17 28 | 0 46 | 3 19 | 2 32 | 23 18 | 0 7 | 14 54 | 1 47 | 19 52 | 16 26 | 12 57 | 12 42 | 7 4 | 10 44 | 5 47 | S 2 |
| M 3 | 22 18 | 14 29 | 0s19 | 23 17 | 2 3 | 10 28 | 0 40 | 18 27 | 2 2 | 17 28 | 0 45 | 3 20 | 2 32 | 23 19 | 0 7 | 14 55 | 1 47 | 19 53 | 16 27 | 12 57 | 12 41 | 7 8 | 10 43 | 5 47 | M 3 |
| T 4 | 22 9 | 19 5 | 1 22 | 22 56 | 2 1 | 10 0 | 0 35 | 18 32 | 2 2 | 17 28 | 0 45 | 3 20 | 2 33 | 23 19 | 0 7 | 14 55 | 1 47 | 19 54 | 16 27 | 12 57 | 12 40 | 7 11 | 10 42 | 5 47 | T 4 |
| W 5 | 22 0 | 22 58 | 2 22 | 22 33 | 1 59 | 9 31 | 0 30 | 18 37 | 2 2 | 17 28 | 0 45 | 3 20 | 2 33 | 23 19 | 0 7 | 14 55 | 1 47 | 19 54 | 16 28 | 12 56 | 12 39 | 7 14 | 10 41 | 5 47 | W 5 |
| T 6 | 21 51 | 25 53 | 3 16 | 22 8 | 1 56 | 9 2 | 0 25 | 18 41 | 2 2 | 17 28 | 0 45 | 3 21 | 2 33 | 23 19 | 0 7 | 14 55 | 1 47 | 19 55 | 16 28 | 12 54 | 12 38 | 7 18 | 10 41 | 5 47 | T 6 |
| F 7 | 21 41 | 27 34 | 4 2 | 21 42 | 1 53 | 8 33 | 0 20 | 18 46 | 2 2 | 17 28 | 0 44 | 3 21 | 2 34 | 23 20 | 0 8 | 14 56 | 1 47 | 19 56 | 16 29 | 12 51 | 12 37 | 7 21 | 10 40 | 5 47 | F 7 |
| S 8 | 21 31 | 27 46 | 4 36 | 21 14 | 1 49 | 8 4 | 0 15 | 18 51 | 2 2 | 17 28 | 0 44 | 3 21 | 2 34 | 23 20 | 0 8 | 14 56 | 1 47 | 19 57 | 16 29 | 12 47 | 12 35 | 7 24 | 10 39 | 5 46 | S 8 |
| S 9 | 21 20 | 26 21 | 4 56 | 20 44 | 1 44 | 7 35 | 0 10 | 18 56 | 2 3 | 17 28 | 0 44 | 3 21 | 2 34 | 23 20 | 0 8 | 14 56 | 1 48 | 19 57 | 16 30 | 12 43 | 12 34 | 7 28 | 10 38 | 5 46 | S 9 |
| M10 | 21 9 | 23 21 | 4 59 | 20 13 | 1 39 | 7 5 | 0 4 | 19 1 | 2 3 | 17 28 | 0 44 | 3 21 | 2 34 | 23 20 | 0 8 | 14 57 | 1 48 | 19 58 | 16 30 | 12 38 | 12 33 | 7 31 | 10 37 | 5 46 | M10 |
| T 11 | 20 57 | 18 58 | 4 45 | 19 40 | 1 33 | 6 36 | 0n 1 | 19 6 | 2 3 | 17 28 | 0 43 | 3 21 | 2 35 | 23 21 | 0 8 | 14 57 | 1 48 | 19 59 | 16 31 | 12 34 | 12 32 | 7 34 | 10 36 | 5 46 | T 11 |
| W12 | 20 45 | 13 30 | 4 14 | 19 6 | 1 26 | 6 6 | 0 7 | 19 12 | 2 3 | 17 29 | 0 43 | 3 21 | 2 35 | 23 21 | 0 8 | 14 57 | 1 48 | 20 0 | 16 31 | 12 30 | 12 31 | 7 37 | 10 35 | 5 46 | W12 |
| T 13 | 20 33 | 7 18 | 3 26 | 18 30 | 1 19 | 5 37 | 0 12 | 19 17 | 2 3 | 17 29 | 0 43 | 3 21 | 2 35 | 23 21 | 0 8 | 14 57 | 1 48 | 20 0 | 16 32 | 12 28 | 12 30 | 7 41 | 10 33 | 5 46 | T 13 |
| F 14 | 20 21 | 0 44 | 2 26 | 17 53 | 1 11 | 5 7 | 0 18 | 19 22 | 2 3 | 17 30 | 0 43 | 3 21 | 2 35 | 23 21 | 0 8 | 14 57 | 1 48 | 20 1 | 16 32 | 12 27 | 12 29 | 7 44 | 10 32 | 5 46 | F 14 |
| S 15 | 20 8 | 5n53 | 1 17 | 17 15 | 1 2 | 4 38 | 0 24 | 19 28 | 2 3 | 17 30 | 0 42 | 3 21 | 2 36 | 23 22 | 0 8 | 14 58 | 1 48 | 20 2 | 16 32 | 12 26 | 12 28 | 7 47 | 10 31 | 5 45 | S 15 |
| S 16 | 19 54 | 12 11 | 0 3 | 16 36 | 0 52 | 4 8 | 0 30 | 19 33 | 2 3 | 17 31 | 0 42 | 3 21 | 2 36 | 23 22 | 0 8 | 14 58 | 1 48 | 20 3 | 16 33 | 12 26 | 12 27 | 7 51 | 10 30 | 5 45 | S 16 |
| M17 | 19 40 | 17 51 | 1n10 | 15 57 | 0 42 | 3 38 | 0 36 | 19 39 | 2 3 | 17 31 | 0 42 | 3 20 | 2 36 | 23 22 | 0 8 | 14 58 | 1 48 | 20 4 | 16 33 | 12 26 | 12 26 | 7 54 | 10 29 | 5 45 | M17 |
| T 18 | 19 26 | 22 32 | 2 19 | 15 17 | 0 30 | 3 8 | 0 43 | 19 45 | 2 2 | 17 32 | 0 42 | 3 20 | 2 37 | 23 22 | 0 8 | 14 58 | 1 48 | 20 4 | 16 34 | 12 25 | 12 25 | 7 57 | 10 28 | 5 45 | T 18 |
| W19 | 19 12 | 25 53 | 3 19 | 14 37 | 0 18 | 2 39 | 0 49 | 19 50 | 2 2 | 17 33 | 0 41 | 3 20 | 2 37 | 23 23 | 0 8 | 14 58 | 1 48 | 20 5 | 16 34 | 12 24 | 12 23 | 8 0 | 10 27 | 5 45 | W19 |
| T 20 | 18 57 | 27 40 | 4 7 | 13 57 | 0 5 | 2 9 | 0 56 | 19 56 | 2 2 | 17 33 | 0 41 | 3 19 | 2 37 | 23 23 | 0 8 | 14 59 | 1 48 | 20 6 | 16 35 | 12 22 | 12 22 | 8 4 | 10 26 | 5 45 | T 20 |
| F 21 | 18 42 | 27 45 | 4 40 | 13 18 | 0n 8 | 1 40 | 1 2 | 20 2 | 2 2 | 17 34 | 0 41 | 3 19 | 2 37 | 23 23 | 0 8 | 14 59 | 1 48 | 20 7 | 16 35 | 12 18 | 12 21 | 8 7 | 10 25 | 5 45 | F 21 |
| S 22 | 18 26 | 26 12 | 4 58 | 12 39 | 0 23 | 1 10 | 1 9 | 20 8 | 2 2 | 17 35 | 0 41 | 3 19 | 2 38 | 23 23 | 0 8 | 14 59 | 1 48 | 20 8 | 16 35 | 12 14 | 12 20 | 8 10 | 10 24 | 5 45 | S 22 |
| S 23 | 18 11 | 23 12 | 4 58 | 12 2 | 0 38 | 0 41 | 1 15 | 20 14 | 2 2 | 17 36 | 0 40 | 3 18 | 2 38 | 23 23 | 0 8 | 14 59 | 1 48 | 20 9 | 16 36 | 12 9 | 12 19 | 8 14 | 10 23 | 5 45 | S 23 |
| M24 | 17 54 | 19 6 | 4 44 | 11 27 | 0 53 | 0 11 | 1 22 | 20 20 | 2 2 | 17 37 | 0 40 | 3 18 | 2 38 | 23 24 | 0 8 | 14 59 | 1 48 | 20 9 | 16 36 | 12 5 | 12 18 | 8 17 | 10 21 | 5 45 | M24 |
| T 25 | 17 38 | 14 14 | 4 15 | 10 54 | 1 9 | 0n18 | 1 29 | 20 26 | 2 2 | 17 38 | 0 40 | 3 17 | 2 39 | 23 24 | 0 8 | 14 59 | 1 48 | 20 10 | 16 37 | 12 0 | 12 17 | 8 20 | 10 20 | 5 45 | T 25 |
| W26 | 17 21 | 8 52 | 3 34 | 10 23 | 1 25 | 0 47 | 1 36 | 20 32 | 2 2 | 17 39 | 0 40 | 3 17 | 2 39 | 23 24 | 0 8 | 14 59 | 1 49 | 20 11 | 16 37 | 11 57 | 12 16 | 8 23 | 10 19 | 5 45 | W26 |
| T 27 | 17 4 | 3 17 | 2 45 | 9 55 | 1 41 | 1 16 | 1 43 | 20 37 | 2 2 | 17 40 | 0 39 | 3 16 | 2 39 | 23 24 | 0 8 | 14 59 | 1 49 | 20 12 | 16 37 | 11 54 | 12 15 | 8 27 | 10 18 | 5 45 | T 27 |
| F 28 | 16 47 | 2s21 | 1 48 | 9 31 | 1 57 | 1 45 | 1 51 | 20 43 | 2 1 | 17 41 | 0 39 | 3 15 | 2 39 | 23 24 | 0 8 | 14 59 | 1 49 | 20 13 | 16 38 | 11 53 | 12 14 | 8 30 | 10 17 | 5 44 | F 28 |
| S 29 | 16 29 | 7 51 | 0 48 | 9 10 | 2 13 | 2 13 | 1 58 | 20 49 | 2 1 | 17 42 | 0 39 | 3 15 | 2 40 | 23 24 | 0 8 | 15 0 | 1 49 | 20 14 | 16 38 | 11 52 | 12 12 | 8 33 | 10 16 | 5 44 | S 29 |
| S 30 | 16 11 | 13 3 | 0s15 | 8 54 | 2 28 | 2 42 | 2 5 | 20 55 | 2 1 | 17 43 | 0 39 | 3 14 | 2 40 | 23 25 | 0 8 | 15 0 | 1 49 | 20 14 | 16 38 | 11 52 | 12 11 | 8 37 | 10 14 | 5 44 | S 30 |
| M31 | 15s53 | 17s48 | 1s17 | 8s41 | 2n43 | 3n10 | 2n13 | 21n 1 | 2n 1 | 17n45 | 0s38 | 3s13 | 2n40 | 23s25 | 0s 8 | 15s 0 | 1n49 | 20n15 | 16n39 | 11n52 | 12n10 | 8s40 | 10s13 | 5n44 | M31 |

Julian Day Number = 2079368.5, Delta T = 25m59s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'18, Lahiri = 9°39'18 Julian Calendar 1 Jan. 981 == Greg. Calendar 6 Jan. 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## FEBRUARY 981 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 5 7 | 17♒49'08 | 27♏29 | 0°R37 | 3♈44 | 25♉12 | 22♉ 2 | 14°R18 | 21♐18 | 16♏ 3 | 17°R22 | 0°R57 | 1♉46 | 24♎ 0 | 17♒31 | T 1 |
| W 2 | 9 9 3 | 18°49'32 | 9♐39 | 0♓13 | 4°36 | 25°37 | 22° 7 | 14♎17 | 21°21 | 16° 3 | 17♍21 | 0♉55 | 1°42 | 24° 7 | 17°35 | W 2 |
| T 3 | 9 13 0 | 19°49'55 | 22° 7 | 29♒41 | 5°28 | 26° 3 | 22°11 | 14°15 | 21°23 | 16° 3 | 17°19 | 0°51 | 1°39 | 24°14 | 17°39 | T 3 |
| F 4 | 9 16 57 | 20°50'16 | 4♑58 | 29° 0 | 6°18 | 26°28 | 22°16 | 14°13 | 21°25 | 16° 4 | 17°18 | 0°44 | 1°36 | 24°20 | 17°43 | F 4 |
| S 5 | 9 20 53 | 21°50'35 | 18°13 | 28°11 | 7° 8 | 26°54 | 22°21 | 14°11 | 21°28 | 16° 4 | 17°16 | 0°34 | 1°33 | 24°27 | 17°47 | S 5 |
| S 6 | 9 24 50 | 22°50'53 | 1♒53 | 27°17 | 7°57 | 27°21 | 22°26 | 14° 9 | 21°30 | 16° 4 | 17°15 | 0°24 | 1°30 | 24°34 | 17°51 | S 6 |
| M 7 | 9 28 46 | 23°51'09 | 15°55 | 26°19 | 8°46 | 27°47 | 22°31 | 14° 7 | 21°32 | 16° 4 | 17°14 | 0°12 | 1°27 | 24°40 | 17°56 | M 7 |
| T 8 | 9 32 43 | 24°51'24 | 0♓16 | 25°17 | 9°33 | 28°14 | 22°36 | 14° 5 | 21°34 | 16° 4 | 17°12 | 0° 2 | 1°23 | 24°47 | 18° 0 | T 8 |
| W 9 | 9 36 39 | 25°51'36 | 14°48 | 24°14 | 10°19 | 28°41 | 22°42 | 14° 3 | 21°36 | 16° 4 | 17°11 | 29♈53 | 1°20 | 24°54 | 18° 4 | W 9 |
| T 10 | 9 40 36 | 26°51'46 | 29°25 | 23°11 | 11° 5 | 29° 8 | 22°48 | 14° 1 | 21°38 | 16° 4 | 17° 9 | 29°47 | 1°17 | 25° 0 | 18° 8 | T 10 |
| F 11 | 9 44 32 | 27°51'55 | 14♈ 1 | 22°10 | 11°49 | 29°35 | 22°54 | 13°58 | 21°40 | 16°R 4 | 17° 8 | 29°44 | 1°14 | 25° 7 | 18°12 | F 11 |
| S 12 | 9 48 29 | 28°52'01 | 28°29 | 21°11 | 12°33 | 0♊ 3 | 23° 0 | 13°56 | 21°42 | 16° 4 | 17° 6 | 29°D43 | 1°11 | 25°14 | 18°16 | S 12 |
| S 13 | 9 52 26 | 29°52'05 | 12♉47 | 20°16 | 13°15 | 0°30 | 23° 6 | 13°53 | 21°44 | 16° 4 | 17° 4 | 29°43 | 1° 7 | 25°20 | 18°20 | S 13 |
| M14 | 9 56 22 | 0♓52'06 | 26°52 | 19°26 | 13°57 | 0°58 | 23°12 | 13°51 | 21°46 | 16° 4 | 17° 3 | 29°R44 | 1° 4 | 25°27 | 18°24 | M14 |
| T 15 | 10 0 19 | 1°52'06 | 10♊44 | 18°42 | 14°37 | 1°26 | 23°19 | 13°48 | 21°47 | 16° 4 | 17° 1 | 29°43 | 1° 1 | 25°34 | 18°28 | T 15 |
| W16 | 10 4 15 | 2°52'03 | 24°23 | 18° 4 | 15°16 | 1°55 | 23°26 | 13°45 | 21°49 | 16° 4 | 17° 0 | 29°41 | 0°58 | 25°40 | 18°32 | W16 |
| T 17 | 10 8 12 | 3°51'58 | 7♋49 | 17°32 | 15°53 | 2°23 | 23°32 | 13°42 | 21°51 | 16° 4 | 16°58 | 29°37 | 0°55 | 25°47 | 18°36 | T 17 |
| F 18 | 10 12 8 | 4°51'51 | 21° 4 | 17° 6 | 16°29 | 2°52 | 23°40 | 13°39 | 21°52 | 16° 3 | 16°57 | 29°30 | 0°52 | 25°53 | 18°40 | F 18 |
| S 19 | 10 16 5 | 5°51'42 | 4♌ 6 | 16°48 | 17° 4 | 3°20 | 23°47 | 13°36 | 21°54 | 16° 3 | 16°55 | 29°21 | 0°48 | 26° 0 | 18°44 | S 19 |
| S 20 | 10 20 1 | 6°51'30 | 16°56 | 16°35 | 17°38 | 3°49 | 23°54 | 13°33 | 21°56 | 16° 3 | 16°53 | 29°12 | 0°45 | 26° 7 | 18°48 | S 20 |
| M21 | 10 23 58 | 7°51'17 | 29°34 | 16°D30 | 18°10 | 4°18 | 24° 1 | 13°30 | 21°57 | 16° 3 | 16°52 | 29° 2 | 0°42 | 26°13 | 18°52 | M21 |
| T 22 | 10 27 55 | 8°51'01 | 11♍59 | 16°30 | 18°40 | 4°48 | 24° 9 | 13°26 | 21°59 | 16° 2 | 16°50 | 28°53 | 0°39 | 26°20 | 18°56 | T 22 |
| W23 | 10 31 51 | 9°50'43 | 24°13 | 16°36 | 19° 9 | 5°17 | 24°17 | 13°23 | 22° 0 | 16° 2 | 16°49 | 28°46 | 0°36 | 26°27 | 19° 0 | W23 |
| T 24 | 10 35 48 | 10°50'23 | 6♎16 | 16°48 | 19°37 | 5°47 | 24°25 | 13°20 | 22° 1 | 16° 1 | 16°47 | 28°41 | 0°33 | 26°33 | 19° 3 | T 24 |
| F 25 | 10 39 44 | 11°50'01 | 18°11 | 17° 6 | 20° 2 | 6°16 | 24°33 | 13°16 | 22° 3 | 16° 1 | 16°45 | 28°39 | 0°29 | 26°40 | 19° 7 | F 25 |
| S 26 | 10 43 41 | 12°49'38 | 29°59 | 17°29 | 20°26 | 6°46 | 24°41 | 13°12 | 22° 4 | 16° 0 | 16°44 | 28°D38 | 0°26 | 26°47 | 19°11 | S 26 |
| S 27 | 10 47 37 | 13°49'12 | 11♏46 | 17°56 | 20°48 | 7°16 | 24°49 | 13° 9 | 22° 5 | 16° 0 | 16°42 | 28°39 | 0°23 | 26°53 | 19°15 | S 27 |
| M28 | 10 51 34 | 14♓48'45 | 23♏36 | 18♒28 | 21♈ 8 | 7♊46 | 24♉57 | 13♎ 5 | 22♐ 6 | 15♏59 | 16♍40 | 28♈40 | 0♉20 | 27♎ 0 | 19♒19 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s35 | 21s55 | 2s16 | 8s34 | 2n57 | 3n38 | 2n20 | 21n 7 | 2n 1 | 17n46 | 0s38 | 3s12 | 2n40 | 23s25 | 0s 8 | 15s 0 | 1n49 | 20n16 | 16n39 | 11n52 | 12n 9 | 8s43 | 10s12 | 5n44 |
| W 2 | 15 16 | 25 10 | 3 10 | 8 30 | 3 9 | 4 6 | 2 28 | 21 13 | 2 1 | 17 47 | 0 38 | 3 12 | 2 41 | 23 25 | 0 8 | 15 0 | 1 49 | 20 17 | 16 39 | 11 51 | 12 8 | 8 46 | 10 11 | 5 44 |
| T 3 | 14 57 | 27 17 | 3 57 | 8 31 | 3 20 | 4 33 | 2 36 | 21 19 | 2 0 | 17 49 | 0 38 | 3 11 | 2 41 | 23 25 | 0 8 | 15 0 | 1 49 | 20 18 | 16 40 | 11 50 | 12 7 | 8 50 | 10 10 | 5 44 |
| F 4 | 14 38 | 28 2 | 4 33 | 8 37 | 3 30 | 5 1 | 2 43 | 21 25 | 2 0 | 17 50 | 0 37 | 3 10 | 2 41 | 23 26 | 0 8 | 15 0 | 1 49 | 20 19 | 16 40 | 11 47 | 12 6 | 8 53 | 10 8 | 5 44 |
| S 5 | 14 18 | 27 13 | 4 56 | 8 46 | 3 37 | 5 28 | 2 51 | 21 31 | 2 0 | 17 52 | 0 37 | 3 9 | 2 41 | 23 26 | 0 8 | 15 0 | 1 49 | 20 19 | 16 40 | 11 44 | 12 5 | 8 56 | 10 7 | 5 44 |
| S 6 | 13 59 | 24 46 | 5 3 | 9 0 | 3 42 | 5 55 | 2 59 | 21 37 | 2 0 | 17 53 | 0 37 | 3 8 | 2 42 | 23 26 | 0 8 | 15 0 | 1 49 | 20 20 | 16 41 | 11 40 | 12 4 | 8 59 | 10 6 | 5 44 |
| M 7 | 13 39 | 20 47 | 4 52 | 9 17 | 3 46 | 6 21 | 3 7 | 21 43 | 2 0 | 17 55 | 0 37 | 3 7 | 2 42 | 23 26 | 0 8 | 15 0 | 1 49 | 20 21 | 16 41 | 11 36 | 12 2 | 9 3 | 10 5 | 5 44 |
| T 8 | 13 19 | 15 31 | 4 22 | 9 36 | 3 47 | 6 47 | 3 15 | 21 49 | 1 59 | 17 56 | 0 37 | 3 6 | 2 42 | 23 26 | 0 8 | 15 0 | 1 49 | 20 22 | 16 41 | 11 33 | 12 1 | 9 6 | 10 3 | 5 44 |
| W 9 | 12 58 | 9 20 | 3 35 | 9 58 | 3 46 | 7 13 | 3 23 | 21 55 | 1 59 | 17 58 | 0 36 | 3 5 | 2 42 | 23 26 | 0 8 | 15 0 | 1 49 | 20 23 | 16 41 | 11 30 | 12 0 | 9 9 | 10 2 | 5 44 |
| T 10 | 12 38 | 2 35 | 2 34 | 10 22 | 3 42 | 7 39 | 3 31 | 22 1 | 1 59 | 18 0 | 0 36 | 3 4 | 2 43 | 23 26 | 0 8 | 15 0 | 1 49 | 20 24 | 16 42 | 11 28 | 11 59 | 9 12 | 10 1 | 5 44 |
| F 11 | 12 17 | 4n17 | 1 23 | 10 47 | 3 37 | 8 4 | 3 40 | 22 6 | 1 59 | 18 1 | 0 36 | 3 3 | 2 43 | 23 27 | 0 8 | 15 0 | 1 49 | 20 24 | 16 42 | 11 26 | 11 58 | 9 16 | 10 0 | 5 44 |
| S 12 | 11 56 | 10 54 | 0 7 | 11 12 | 3 30 | 8 29 | 3 48 | 22 12 | 1 58 | 18 3 | 0 36 | 3 1 | 2 43 | 23 27 | 0 8 | 15 0 | 1 50 | 20 25 | 16 42 | 11 26 | 11 57 | 9 19 | 9 58 | 5 44 |
| S 13 | 11 35 | 16 52 | 1n 9 | 11 38 | 3 21 | 8 53 | 3 56 | 22 18 | 1 58 | 18 5 | 0 35 | 3 0 | 2 43 | 23 27 | 0 8 | 14 59 | 1 50 | 20 26 | 16 42 | 11 26 | 11 56 | 9 22 | 9 57 | 5 44 |
| M14 | 11 14 | 21 50 | 2 20 | 12 3 | 3 11 | 9 17 | 4 4 | 22 23 | 1 58 | 18 7 | 0 35 | 2 59 | 2 43 | 23 27 | 0 8 | 14 59 | 1 50 | 20 27 | 16 43 | 11 26 | 11 55 | 9 25 | 9 56 | 5 45 |
| T 15 | 10 52 | 25 30 | 3 21 | 12 27 | 3 0 | 9 40 | 4 13 | 22 29 | 1 58 | 18 9 | 0 35 | 2 58 | 2 44 | 23 27 | 0 8 | 14 59 | 1 50 | 20 28 | 16 43 | 11 26 | 11 54 | 9 29 | 9 55 | 5 45 |
| W16 | 10 31 | 27 37 | 4 10 | 12 51 | 2 48 | 10 3 | 4 21 | 22 35 | 1 57 | 18 10 | 0 35 | 2 56 | 2 44 | 23 27 | 0 8 | 14 59 | 1 50 | 20 28 | 16 43 | 11 25 | 11 52 | 9 32 | 9 53 | 5 45 |
| T 17 | 10 9 | 28 4 | 4 44 | 13 13 | 2 35 | 10 25 | 4 29 | 22 40 | 1 57 | 18 12 | 0 35 | 2 55 | 2 44 | 23 27 | 0 8 | 14 59 | 1 50 | 20 29 | 16 43 | 11 24 | 11 51 | 9 35 | 9 52 | 5 45 |
| F 18 | 9 47 | 26 53 | 5 2 | 13 33 | 2 21 | 10 47 | 4 38 | 22 46 | 1 57 | 18 14 | 0 34 | 2 54 | 2 44 | 23 27 | 0 8 | 14 59 | 1 50 | 20 30 | 16 43 | 11 21 | 11 50 | 9 38 | 9 51 | 5 45 |
| S 19 | 9 25 | 24 16 | 5 5 | 13 52 | 2 7 | 11 9 | 4 46 | 22 51 | 1 57 | 18 16 | 0 34 | 2 52 | 2 44 | 23 28 | 0 8 | 14 59 | 1 50 | 20 31 | 16 43 | 11 18 | 11 49 | 9 42 | 9 50 | 5 45 |
| S 20 | 9 3 | 20 28 | 4 51 | 14 9 | 1 53 | 11 29 | 4 55 | 22 56 | 1 56 | 18 18 | 0 34 | 2 51 | 2 45 | 23 28 | 0 8 | 14 59 | 1 50 | 20 32 | 16 44 | 11 15 | 11 48 | 9 45 | 9 48 | 5 45 |
| M21 | 8 40 | 15 48 | 4 24 | 14 25 | 1 39 | 11 49 | 5 3 | 23 1 | 1 56 | 18 20 | 0 34 | 2 49 | 2 45 | 23 28 | 0 8 | 14 59 | 1 50 | 20 32 | 16 44 | 11 11 | 11 47 | 9 48 | 9 47 | 5 45 |
| T 22 | 8 18 | 10 33 | 3 44 | 14 38 | 1 24 | 12 9 | 5 11 | 23 7 | 1 56 | 18 22 | 0 34 | 2 48 | 2 45 | 23 28 | 0 8 | 14 58 | 1 50 | 20 33 | 16 44 | 11 8 | 11 46 | 9 51 | 9 46 | 5 45 |
| W23 | 7 55 | 4 59 | 2 55 | 14 50 | 1 10 | 12 28 | 5 20 | 23 12 | 1 56 | 18 25 | 0 33 | 2 46 | 2 45 | 23 28 | 0 8 | 14 58 | 1 50 | 20 34 | 16 44 | 11 6 | 11 45 | 9 55 | 9 45 | 5 45 |
| T 24 | 7 33 | 0s42 | 1 58 | 14 59 | 0 57 | 12 46 | 5 28 | 23 17 | 1 55 | 18 27 | 0 33 | 2 45 | 2 45 | 23 28 | 0 8 | 14 58 | 1 50 | 20 35 | 16 44 | 11 4 | 11 44 | 9 58 | 9 43 | 5 45 |
| F 25 | 7 10 | 6 18 | 0 56 | 15 7 | 0 43 | 13 3 | 5 36 | 23 22 | 1 55 | 18 29 | 0 33 | 2 43 | 2 46 | 23 28 | 0 8 | 14 58 | 1 50 | 20 35 | 16 44 | 11 3 | 11 42 | 10 1 | 9 42 | 5 45 |
| S 26 | 6 47 | 11 39 | 0s 7 | 15 13 | 0 30 | 13 20 | 5 44 | 23 27 | 1 55 | 18 31 | 0 33 | 2 42 | 2 46 | 23 28 | 0 8 | 14 58 | 1 50 | 20 36 | 16 44 | 11 3 | 11 41 | 10 4 | 9 41 | 5 46 |
| S 27 | 6 24 | 16 34 | 1 11 | 15 17 | 0 17 | 13 36 | 5 52 | 23 32 | 1 54 | 18 33 | 0 33 | 2 40 | 2 46 | 23 28 | 0 8 | 14 57 | 1 50 | 20 37 | 16 44 | 11 3 | 11 40 | 10 8 | 9 39 | 5 46 |
| M28 | 6s 1 | 20s54 | 2s11 | 15s19 | 0n 4 | 13n51 | 6n 0 | 23n36 | 1n54 | 18n35 | 0s32 | 2s39 | 2n46 | 23s28 | 0s 8 | 14s57 | 1n50 | 20n38 | 16n44 | 11n 4 | 11n39 | 10s11 | 9s38 | 5n46 |

Julian Day Number = 2079399.5, Delta T = 25m59s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'22, Lahiri = 9°39'23 Julian Calendar 1 Feb. 981 == Greg. Calendar 6 Feb. 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## MARCH 981 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 55 30 | 15♓48'16 | 5♐32 | 19♒ 4 | 21♈26 | 8♊16 | 25♉ 6 | 13°R 1 | 22♐ 7 | 15°R59 | 16°R39 | 28♈42 | 0♉17 | 27♎ 7 | 19♒23 | T 1 |
| W 2 | 10 59 27 | 16°47'45 | 17°41 | 19°44 | 21°43 | 8°47 | 25°15 | 12♎57 | 22° 8 | 15♏58 | 16♍37 | 28°R42 | 0°13 | 27°13 | 19°26 | W 2 |
| T 3 | 11 3 24 | 17°47'12 | 0♑ 7 | 20°28 | 21°57 | 9°17 | 25°23 | 12°54 | 22° 9 | 15°58 | 16°35 | 28°41 | 0°10 | 27°20 | 19°30 | T 3 |
| F 4 | 11 7 20 | 18°46'38 | 12°56 | 21°16 | 22° 9 | 9°48 | 25°32 | 12°50 | 22°10 | 15°57 | 16°34 | 28°39 | 0° 7 | 27°26 | 19°34 | F 4 |
| S 5 | 11 11 17 | 19°46'01 | 26°10 | 22° 7 | 22°19 | 10°18 | 25°41 | 12°46 | 22°11 | 15°56 | 16°32 | 28°34 | 0° 4 | 27°33 | 19°37 | S 5 |
| S 6 | 11 15 13 | 20°45'23 | 9♒51 | 23° 1 | 22°26 | 10°49 | 25°51 | 12°42 | 22°12 | 15°55 | 16°31 | 28°29 | 0° 1 | 27°40 | 19°41 | S 6 |
| M 7 | 11 19 10 | 21°44'43 | 23°59 | 23°58 | 22°32 | 11°20 | 26° 0 | 12°38 | 22°13 | 15°55 | 16°29 | 28°23 | 29♈58 | 27°46 | 19°45 | M 7 |
| T 8 | 11 23 6 | 22°44'01 | 8♓30 | 24°58 | 22°35 | 11°51 | 26° 9 | 12°33 | 22°14 | 15°54 | 16°27 | 28°18 | 29°54 | 27°53 | 19°48 | T 8 |
| W 9 | 11 27 3 | 23°43'17 | 23°19 | 26° 1 | 22°R35 | 12°23 | 26°19 | 12°29 | 22°14 | 15°53 | 16°26 | 28°13 | 29°51 | 28° 0 | 19°52 | W 9 |
| T 10 | 11 30 59 | 24°42'31 | 8♈17 | 27° 6 | 22°33 | 12°54 | 26°28 | 12°25 | 22°15 | 15°52 | 16°24 | 28°10 | 29°48 | 28° 6 | 19°55 | T 10 |
| F 11 | 11 34 56 | 25°41'42 | 23°16 | 28°13 | 22°29 | 13°25 | 26°38 | 12°21 | 22°16 | 15°51 | 16°22 | 28°D 9 | 29°45 | 28°13 | 19°59 | F 11 |
| S 12 | 11 38 52 | 26°40'51 | 8♉ 8 | 29°23 | 22°22 | 13°57 | 26°48 | 12°16 | 22°16 | 15°50 | 16°21 | 28° 9 | 29°42 | 28°20 | 20° 2 | S 12 |
| S 13 | 11 42 49 | 27°39'59 | 22°46 | 0♓35 | 22°13 | 14°28 | 26°58 | 12°12 | 22°17 | 15°50 | 16°19 | 28°10 | 29°39 | 28°26 | 20° 6 | S 13 |
| M14 | 11 46 46 | 28°39'03 | 7♊ 6 | 1°49 | 22° 2 | 15° 0 | 27° 8 | 12° 8 | 22°17 | 15°49 | 16°18 | 28°12 | 29°35 | 28°33 | 20° 9 | M14 |
| T 15 | 11 50 42 | 29°38'06 | 21° 6 | 3° 5 | 21°47 | 15°32 | 27°18 | 12° 3 | 22°17 | 15°48 | 16°16 | 28°13 | 29°32 | 28°40 | 20°13 | T 15 |
| W16 | 11 54 39 | 0♈37'06 | 4♋45 | 4°23 | 21°31 | 16° 4 | 27°29 | 11°59 | 22°18 | 15°47 | 16°14 | 28°R13 | 29°29 | 28°46 | 20°16 | W16 |
| T 17 | 11 58 35 | 1°36'04 | 18° 5 | 5°43 | 21°12 | 16°36 | 27°39 | 11°54 | 22°18 | 15°46 | 16°13 | 28°12 | 29°26 | 28°53 | 20°19 | T 17 |
| F 18 | 12 2 32 | 2°34'59 | 1♌ 7 | 7° 5 | 20°50 | 17° 8 | 27°49 | 11°50 | 22°18 | 15°44 | 16°11 | 28°10 | 29°23 | 29° 0 | 20°23 | F 18 |
| S 19 | 12 6 28 | 3°33'52 | 13°53 | 8°29 | 20°27 | 17°40 | 28° 0 | 11°45 | 22°18 | 15°43 | 16°10 | 28° 7 | 29°19 | 29° 6 | 20°26 | S 19 |
| S 20 | 12 10 25 | 4°32'43 | 26°25 | 9°54 | 20° 1 | 18°12 | 28°11 | 11°41 | 22°19 | 15°42 | 16° 8 | 28° 3 | 29°16 | 29°13 | 20°29 | S 20 |
| M21 | 12 14 21 | 5°31'31 | 8♍45 | 11°21 | 19°33 | 18°45 | 28°21 | 11°36 | 22°19 | 15°41 | 16° 7 | 27°59 | 29°13 | 29°19 | 20°32 | M21 |
| T 22 | 12 18 18 | 6°30'17 | 20°55 | 12°50 | 19° 3 | 19°17 | 28°32 | 11°32 | 22°R19 | 15°40 | 16° 5 | 27°56 | 29°10 | 29°26 | 20°35 | T 22 |
| W23 | 12 22 15 | 7°29'01 | 2♎57 | 14°21 | 18°32 | 19°50 | 28°43 | 11°27 | 22°19 | 15°39 | 16° 4 | 27°53 | 29° 7 | 29°33 | 20°38 | W23 |
| T 24 | 12 26 11 | 8°27'44 | 14°51 | 15°53 | 17°58 | 20°22 | 28°54 | 11°23 | 22°19 | 15°38 | 16° 2 | 27°51 | 29° 4 | 29°39 | 20°41 | T 24 |
| F 25 | 12 30 8 | 9°26'24 | 26°41 | 17°27 | 17°24 | 20°55 | 29° 5 | 11°18 | 22°18 | 15°36 | 16° 1 | 27°D51 | 29° 0 | 29°46 | 20°44 | F 25 |
| S 26 | 12 34 4 | 10°25'02 | 8♏29 | 19° 2 | 16°48 | 21°28 | 29°17 | 11°13 | 22°18 | 15°35 | 15°59 | 27°51 | 28°57 | 29°53 | 20°47 | S 26 |
| S 27 | 12 38 1 | 11°23'38 | 20°17 | 20°39 | 16°12 | 22° 1 | 29°28 | 11° 9 | 22°18 | 15°34 | 15°58 | 27°52 | 28°54 | 29°59 | 20°50 | S 27 |
| M28 | 12 41 57 | 12°22'13 | 2♐ 8 | 22°18 | 15°34 | 22°34 | 29°39 | 11° 4 | 22°18 | 15°33 | 15°56 | 27°54 | 28°51 | 0♏ 6 | 20°53 | M28 |
| T 29 | 12 45 54 | 13°20'46 | 14° 7 | 23°59 | 14°56 | 23° 7 | 29°51 | 11° 0 | 22°17 | 15°31 | 15°55 | 27°55 | 28°48 | 0°13 | 20°56 | T 29 |
| W30 | 12 49 50 | 14°19'17 | 26°17 | 25°41 | 14°18 | 23°40 | 0♊ 2 | 10°55 | 22°17 | 15°30 | 15°53 | 27°56 | 28°44 | 0°19 | 20°59 | W30 |
| T 31 | 12 53 47 | 15♈17'47 | 8♑42 | 27♓25 | 13♈41 | 24♊13 | 0♊14 | 10♎51 | 22♐17 | 15♏29 | 15♍52 | 27♈57 | 28♈41 | 0♏26 | 21♒ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s38 | 24s25 | 3s 7 | 15s19 | 0s 8 | 14n 5 | 6n 8 | 23n41 | 1n54 | 18n38 | 0s32 | 2s37 | 2n46 | 23s29 | 0s 8 | 14s57 | 1n50 | 20n38 | 16n44 | 11n 4 | 11n38 | 10s14 | 9s37 | 5n46 |
| W 2 | 5 14 | 26 54 | 3 55 | 15 17 | 0 19 | 14 18 | 6 16 | 23 45 | 1 54 | 18 40 | 0 32 | 2 36 | 2 46 | 23 29 | 0 8 | 14 57 | 1 51 | 20 39 | 16 45 | 11 4 | 11 37 | 10 17 | 9 36 | 5 46 |
| T 3 | 4 51 | 28 8 | 4 33 | 15 14 | 0 30 | 14 30 | 6 23 | 23 50 | 1 53 | 18 42 | 0 32 | 2 34 | 2 47 | 23 29 | 0 8 | 14 57 | 1 51 | 20 40 | 16 45 | 11 4 | 11 36 | 10 21 | 9 34 | 5 46 |
| F 4 | 4 28 | 27 54 | 4 59 | 15 8 | 0 41 | 14 42 | 6 30 | 23 54 | 1 53 | 18 45 | 0 32 | 2 32 | 2 47 | 23 29 | 0 8 | 14 56 | 1 51 | 20 40 | 16 45 | 11 3 | 11 35 | 10 24 | 9 33 | 5 46 |
| S 5 | 4 4 | 26 7 | 5 11 | 15 1 | 0 51 | 14 52 | 6 37 | 23 59 | 1 53 | 18 47 | 0 31 | 2 31 | 2 47 | 23 29 | 0 8 | 14 56 | 1 51 | 20 41 | 16 45 | 11 2 | 11 33 | 10 27 | 9 32 | 5 46 |
| S 6 | 3 41 | 22 46 | 5 5 | 14 53 | 1 1 | 15 1 | 6 44 | 24 3 | 1 52 | 18 49 | 0 31 | 2 29 | 2 47 | 23 29 | 0 8 | 14 56 | 1 51 | 20 42 | 16 45 | 11 0 | 11 32 | 10 30 | 9 31 | 5 47 |
| M 7 | 3 18 | 18 1 | 4 41 | 14 42 | 1 10 | 15 9 | 6 51 | 24 7 | 1 52 | 18 52 | 0 31 | 2 27 | 2 47 | 23 29 | 0 8 | 14 56 | 1 51 | 20 42 | 16 45 | 10 58 | 11 31 | 10 33 | 9 29 | 5 47 |
| T 8 | 2 54 | 12 6 | 3 58 | 14 31 | 1 19 | 15 16 | 6 57 | 24 11 | 1 52 | 18 54 | 0 31 | 2 25 | 2 47 | 23 29 | 0 8 | 14 55 | 1 51 | 20 43 | 16 45 | 10 56 | 11 30 | 10 37 | 9 28 | 5 47 |
| W 9 | 2 30 | 5 24 | 2 59 | 14 17 | 1 27 | 15 22 | 7 3 | 24 15 | 1 51 | 18 56 | 0 31 | 2 24 | 2 47 | 23 29 | 0 8 | 14 55 | 1 51 | 20 44 | 16 45 | 10 54 | 11 29 | 10 40 | 9 27 | 5 47 |
| T 10 | 2 7 | 1n40 | 1 47 | 14 2 | 1 35 | 15 26 | 7 9 | 24 19 | 1 51 | 18 59 | 0 30 | 2 22 | 2 47 | 23 29 | 0 8 | 14 55 | 1 51 | 20 44 | 16 45 | 10 53 | 11 28 | 10 43 | 9 26 | 5 47 |
| F 11 | 1 43 | 8 41 | 0 27 | 13 45 | 1 42 | 15 30 | 7 14 | 24 22 | 1 51 | 19 1 | 0 30 | 2 20 | 2 48 | 23 29 | 0 8 | 14 54 | 1 51 | 20 45 | 16 45 | 10 52 | 11 27 | 10 46 | 9 24 | 5 47 |
| S 12 | 1 20 | 15 9 | 0n54 | 13 27 | 1 49 | 15 31 | 7 19 | 24 26 | 1 50 | 19 4 | 0 30 | 2 18 | 2 48 | 23 29 | 0 8 | 14 54 | 1 51 | 20 46 | 16 45 | 10 53 | 11 26 | 10 49 | 9 23 | 5 48 |
| S 13 | 0 56 | 20 40 | 2 11 | 13 7 | 1 55 | 15 32 | 7 23 | 24 29 | 1 50 | 19 6 | 0 30 | 2 17 | 2 48 | 23 29 | 0 8 | 14 54 | 1 51 | 20 46 | 16 44 | 10 53 | 11 24 | 10 53 | 9 22 | 5 48 |
| M14 | 0 32 | 24 52 | 3 17 | 12 46 | 2 0 | 15 31 | 7 27 | 24 33 | 1 50 | 19 9 | 0 30 | 2 15 | 2 48 | 23 29 | 0 8 | 14 53 | 1 51 | 20 47 | 16 44 | 10 54 | 11 23 | 10 56 | 9 21 | 5 48 |
| T 15 | 0 9 | 27 26 | 4 11 | 12 23 | 2 6 | 15 29 | 7 30 | 24 36 | 1 50 | 19 11 | 0 30 | 2 13 | 2 48 | 23 29 | 0 9 | 14 53 | 1 51 | 20 47 | 16 44 | 10 54 | 11 22 | 10 59 | 9 19 | 5 48 |
| W16 | 0n15 | 28 17 | 4 48 | 11 59 | 2 10 | 15 25 | 7 33 | 24 39 | 1 49 | 19 14 | 0 29 | 2 11 | 2 48 | 23 29 | 0 9 | 14 53 | 1 51 | 20 48 | 16 44 | 10 54 | 11 21 | 11 2 | 9 18 | 5 48 |
| T 17 | 0 38 | 27 27 | 5 9 | 11 33 | 2 15 | 15 19 | 7 35 | 24 42 | 1 49 | 19 16 | 0 29 | 2 9 | 2 48 | 23 29 | 0 9 | 14 52 | 1 51 | 20 48 | 16 44 | 10 54 | 11 20 | 11 5 | 9 17 | 5 48 |
| F 18 | 1 2 | 25 7 | 5 14 | 11 6 | 2 18 | 15 12 | 7 36 | 24 45 | 1 49 | 19 19 | 0 29 | 2 8 | 2 48 | 23 29 | 0 9 | 14 52 | 1 51 | 20 49 | 16 44 | 10 53 | 11 19 | 11 9 | 9 16 | 5 49 |
| S 19 | 1 25 | 21 34 | 5 2 | 10 37 | 2 21 | 15 4 | 7 37 | 24 48 | 1 48 | 19 21 | 0 29 | 2 6 | 2 48 | 23 29 | 0 9 | 14 52 | 1 51 | 20 49 | 16 44 | 10 52 | 11 18 | 11 12 | 9 14 | 5 49 |
| S 20 | 1 49 | 17 7 | 4 37 | 10 7 | 2 24 | 14 54 | 7 37 | 24 50 | 1 48 | 19 24 | 0 29 | 2 4 | 2 48 | 23 30 | 0 9 | 14 51 | 1 51 | 20 50 | 16 44 | 10 50 | 11 17 | 11 15 | 9 13 | 5 49 |
| M21 | 2 12 | 12 1 | 3 58 | 9 36 | 2 26 | 14 42 | 7 36 | 24 53 | 1 48 | 19 27 | 0 29 | 2 2 | 2 48 | 23 30 | 0 9 | 14 51 | 1 51 | 20 50 | 16 44 | 10 49 | 11 15 | 11 18 | 9 12 | 5 49 |
| T 22 | 2 36 | 6 31 | 3 10 | 9 3 | 2 28 | 14 29 | 7 34 | 24 55 | 1 47 | 19 29 | 0 28 | 2 0 | 2 48 | 23 30 | 0 9 | 14 51 | 1 51 | 20 51 | 16 44 | 10 48 | 11 14 | 11 21 | 9 11 | 5 50 |
| W23 | 2 59 | 0 52 | 2 13 | 8 29 | 2 29 | 14 15 | 7 32 | 24 57 | 1 47 | 19 32 | 0 28 | 1 58 | 2 48 | 23 30 | 0 9 | 14 50 | 1 51 | 20 51 | 16 43 | 10 47 | 11 13 | 11 25 | 9 10 | 5 50 |
| T 24 | 3 22 | 4s47 | 1 11 | 7 54 | 2 30 | 13 59 | 7 29 | 25 0 | 1 47 | 19 34 | 0 28 | 1 57 | 2 48 | 23 30 | 0 9 | 14 50 | 1 52 | 20 52 | 16 43 | 10 46 | 11 12 | 11 28 | 9 9 | 5 50 |
| F 25 | 3 46 | 10 15 | 0 6 | 7 17 | 2 30 | 13 42 | 7 25 | 25 2 | 1 46 | 19 37 | 0 28 | 1 55 | 2 48 | 23 30 | 0 9 | 14 50 | 1 52 | 20 52 | 16 43 | 10 46 | 11 11 | 11 31 | 9 7 | 5 50 |
| S 26 | 4 9 | 15 20 | 0s59 | 6 39 | 2 29 | 13 23 | 7 20 | 25 3 | 1 46 | 19 39 | 0 28 | 1 53 | 2 48 | 23 30 | 0 9 | 14 49 | 1 52 | 20 53 | 16 43 | 10 46 | 11 10 | 11 34 | 9 6 | 5 50 |
| S 27 | 4 32 | 19 51 | 2 1 | 6 0 | 2 28 | 13 4 | 7 14 | 25 5 | 1 46 | 19 42 | 0 28 | 1 51 | 2 48 | 23 30 | 0 9 | 14 49 | 1 52 | 20 53 | 16 43 | 10 47 | 11 9 | 11 37 | 9 5 | 5 51 |
| M28 | 4 55 | 23 37 | 2 59 | 5 19 | 2 27 | 12 43 | 7 7 | 25 7 | 1 45 | 19 45 | 0 27 | 1 49 | 2 48 | 23 30 | 0 9 | 14 48 | 1 52 | 20 53 | 16 43 | 10 47 | 11 8 | 11 41 | 9 4 | 5 51 |
| T 29 | 5 18 | 26 25 | 3 49 | 4 37 | 2 25 | 12 21 | 7 0 | 25 8 | 1 45 | 19 47 | 0 27 | 1 48 | 2 48 | 23 30 | 0 9 | 14 48 | 1 52 | 20 54 | 16 42 | 10 47 | 11 6 | 11 44 | 9 3 | 5 51 |
| W30 | 5 41 | 28 1 | 4 30 | 3 54 | 2 22 | 11 59 | 6 52 | 25 10 | 1 45 | 19 50 | 0 27 | 1 46 | 2 48 | 23 30 | 0 9 | 14 48 | 1 52 | 20 54 | 16 42 | 10 48 | 11 5 | 11 47 | 9 2 | 5 51 |
| T 31 | 6n 3 | 28s16 | 5s 0 | 3s10 | 2s19 | 11n36 | 6n43 | 25n11 | 1n44 | 19n52 | 0s27 | 1s44 | 2n48 | 23s30 | 0s 9 | 14s47 | 1n52 | 20n55 | 16n42 | 10n48 | 11n 4 | 11s50 | 9s 1 | 5n52 |

Julian Day Number = 2079427.5, Delta T = 25m59s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'26, Lahiri = 9°39'27 Julian Calendar 1 March 981 == Greg. Calendar 6 March 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## APRIL 981 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 57 44 | 16♈16'14 | 21♑27 | 29♓10 | 13°R 3 | 24♊46 | 0♊26 | 10°R46 | 22°R16 | 15°R27 | 15°R51 | 27°R57 | 28♈38 | 0♏33 | 21♒ 4 | F 1 |
| S 2 | 13 1 40 | 17°14'41 | 4♒35 | 0♈57 | 12♈26 | 25°19 | 0°37 | 10♎41 | 22♐16 | 15♏26 | 15♍49 | 27♈56 | 28°35 | 0°39 | 21° 7 | S 2 |
| S 3 | 13 5 37 | 18°13'05 | 18°10 | 2°46 | 11°49 | 25°53 | 0°49 | 10°37 | 22°15 | 15°25 | 15°48 | 27°55 | 28°32 | 0°46 | 21°10 | S 3 |
| M 4 | 13 9 33 | 19°11'28 | 2♓11 | 4°36 | 11°14 | 26°26 | 1° 1 | 10°32 | 22°14 | 15°23 | 15°47 | 27°54 | 28°29 | 0°52 | 21°12 | M 4 |
| T 5 | 13 13 30 | 20° 9'49 | 16°39 | 6°28 | 10°40 | 26°59 | 1°13 | 10°28 | 22°14 | 15°22 | 15°45 | 27°53 | 28°25 | 0°59 | 21°15 | T 5 |
| W 6 | 13 17 26 | 21° 8'09 | 1♈28 | 8°22 | 10° 7 | 27°33 | 1°25 | 10°23 | 22°13 | 15°20 | 15°44 | 27°53 | 28°22 | 1° 6 | 21°17 | W 6 |
| T 7 | 13 21 23 | 22° 6'26 | 16°32 | 10°17 | 9°36 | 28° 7 | 1°37 | 10°19 | 22°12 | 15°19 | 15°43 | 27°52 | 28°19 | 1°12 | 21°20 | T 7 |
| F 8 | 13 25 19 | 23° 4'43 | 1♉43 | 12°15 | 9° 7 | 28°40 | 1°49 | 10°14 | 22°11 | 15°17 | 15°41 | 27°D52 | 28°16 | 1°19 | 21°22 | F 8 |
| S 9 | 13 29 16 | 24° 2'57 | 16°51 | 14°13 | 8°40 | 29°14 | 2° 2 | 10°10 | 22°11 | 15°16 | 15°40 | 27°52 | 28°13 | 1°26 | 21°24 | S 9 |
| S 10 | 13 33 13 | 25° 1'09 | 1♊47 | 16°14 | 8°14 | 29°48 | 2°14 | 10° 6 | 22°10 | 15°14 | 15°39 | 27°53 | 28°10 | 1°32 | 21°27 | S 10 |
| M11 | 13 37 9 | 25°59'20 | 16°24 | 18°16 | 7°51 | 0♋22 | 2°26 | 10° 1 | 22° 9 | 15°13 | 15°38 | 27°53 | 28° 6 | 1°39 | 21°29 | M11 |
| T 12 | 13 41 6 | 26°57'28 | 0♋38 | 20°19 | 7°30 | 0°55 | 2°39 | 9°57 | 22° 8 | 15°11 | 15°37 | 27°53 | 28° 3 | 1°46 | 21°31 | T 12 |
| W13 | 13 45 2 | 27°55'35 | 14°26 | 22°24 | 7°11 | 1°29 | 2°51 | 9°53 | 22° 7 | 15°10 | 15°36 | 27°R53 | 28° 0 | 1°52 | 21°33 | W13 |
| T 14 | 13 48 59 | 28°53'39 | 27°49 | 24°30 | 6°55 | 2° 3 | 3° 4 | 9°49 | 22° 5 | 15° 8 | 15°35 | 27°D53 | 27°57 | 1°59 | 21°36 | T 14 |
| F 15 | 13 52 55 | 29°51'41 | 10♌48 | 26°37 | 6°41 | 2°38 | 3°16 | 9°44 | 22° 4 | 15° 7 | 15°33 | 27°53 | 27°54 | 2° 6 | 21°38 | F 15 |
| S 16 | 13 56 52 | 0♉49'42 | 23°28 | 28°46 | 6°29 | 3°12 | 3°29 | 9°40 | 22° 3 | 15° 5 | 15°32 | 27°53 | 27°50 | 2°12 | 21°40 | S 16 |
| S 17 | 14 0 48 | 1°47'40 | 5♍50 | 0♉55 | 6°20 | 3°46 | 3°42 | 9°36 | 22° 2 | 15° 4 | 15°31 | 27°53 | 27°47 | 2°19 | 21°42 | S 17 |
| M18 | 14 4 45 | 2°45'37 | 17°59 | 3° 5 | 6°14 | 4°20 | 3°54 | 9°32 | 22° 1 | 15° 2 | 15°30 | 27°54 | 27°44 | 2°25 | 21°43 | M18 |
| T 19 | 14 8 42 | 3°43'32 | 29°59 | 5°15 | 6° 9 | 4°54 | 4° 7 | 9°28 | 21°59 | 15° 1 | 15°29 | 27°55 | 27°41 | 2°32 | 21°45 | T 19 |
| W20 | 14 12 38 | 4°41'25 | 11♎51 | 7°26 | 6°D 7 | 5°29 | 4°20 | 9°24 | 21°58 | 14°59 | 15°28 | 27°55 | 27°38 | 2°39 | 21°47 | W20 |
| T 21 | 14 16 35 | 5°39'16 | 23°40 | 9°36 | 6° 8 | 6° 3 | 4°33 | 9°20 | 21°57 | 14°57 | 15°28 | 27°R55 | 27°35 | 2°45 | 21°49 | T 21 |
| F 22 | 14 20 31 | 6°37'06 | 5♏28 | 11°46 | 6°11 | 6°38 | 4°46 | 9°17 | 21°55 | 14°56 | 15°27 | 27°55 | 27°31 | 2°52 | 21°50 | F 22 |
| S 23 | 14 24 28 | 7°34'54 | 17°17 | 13°56 | 6°16 | 7°12 | 4°59 | 9°13 | 21°54 | 14°54 | 15°26 | 27°55 | 27°28 | 2°59 | 21°52 | S 23 |
| S 24 | 14 28 24 | 8°32'41 | 29° 8 | 16° 4 | 6°23 | 7°47 | 5°12 | 9° 9 | 21°52 | 14°53 | 15°25 | 27°54 | 27°25 | 3° 5 | 21°54 | S 24 |
| M25 | 14 32 21 | 9°30'27 | 11♐ 6 | 18°11 | 6°32 | 8°21 | 5°25 | 9° 5 | 21°51 | 14°51 | 15°24 | 27°52 | 27°22 | 3°12 | 21°55 | M25 |
| T 26 | 14 36 17 | 10°28'11 | 23°11 | 20°17 | 6°44 | 8°56 | 5°38 | 9° 2 | 21°49 | 14°49 | 15°23 | 27°50 | 27°19 | 3°19 | 21°57 | T 26 |
| W27 | 14 40 14 | 11°25'54 | 5♑27 | 22°21 | 6°58 | 9°30 | 5°51 | 8°58 | 21°47 | 14°48 | 15°23 | 27°49 | 27°16 | 3°25 | 21°58 | W27 |
| T 28 | 14 44 11 | 12°23'36 | 17°56 | 24°24 | 7°13 | 10° 5 | 6° 4 | 8°55 | 21°46 | 14°46 | 15°22 | 27°47 | 27°12 | 3°32 | 22° 0 | T 28 |
| F 29 | 14 48 7 | 13°21'17 | 0♒42 | 26°24 | 7°31 | 10°40 | 6°17 | 8°52 | 21°44 | 14°44 | 15°21 | 27°46 | 27° 9 | 3°39 | 22° 1 | F 29 |
| S 30 | 14 52 4 | 14♉18'57 | 13♒47 | 28♉21 | 7♈51 | 11♋15 | 6♊31 | 8♎48 | 21♐42 | 14♏43 | 15♍20 | 27°D46 | 27♈ 6 | 3♏45 | 22♒ 2 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n26 | 27s 2 | 5s15 | 2s25 | 2s16 | 11n12 | 6n33 | 25n12 | 1n44 | 19n55 | 0s27 | 1s42 | 2n48 | 23s30 | 0s 9 | 14s47 | 1n52 | 20n55 | 16n42 | 10n48 | 11n 3 | 11s53 | 9s 0 | 5n52 |
| S 2 | 6 49 | 24 19 | 5 15 | 1 38 | 2 12 | 10 48 | 6 22 | 25 13 | 1 43 | 19 58 | 0 27 | 1 40 | 2 48 | 23 30 | 0 9 | 14 46 | 1 52 | 20 55 | 16 41 | 10 48 | 11 2 | 11 56 | 8 58 | 5 52 |
| S 3 | 7 11 | 20 11 | 4 58 | 0 50 | 2 7 | 10 23 | 6 11 | 25 14 | 1 43 | 20 0 | 0 26 | 1 39 | 2 48 | 23 30 | 0 9 | 14 46 | 1 52 | 20 56 | 16 41 | 10 48 | 11 1 | 12 0 | 8 57 | 5 52 |
| M 4 | 7 33 | 14 50 | 4 22 | 0 2 | 2 2 | 9 59 | 6 0 | 25 14 | 1 43 | 20 3 | 0 26 | 1 37 | 2 48 | 23 30 | 0 9 | 14 45 | 1 52 | 20 56 | 16 41 | 10 47 | 11 0 | 12 3 | 8 56 | 5 53 |
| T 5 | 7 55 | 8 31 | 3 30 | 0n48 | 1 56 | 9 34 | 5 48 | 25 15 | 1 42 | 20 6 | 0 26 | 1 35 | 2 48 | 23 29 | 0 9 | 14 45 | 1 52 | 20 56 | 16 41 | 10 47 | 10 58 | 12 6 | 8 55 | 5 53 |
| W 6 | 8 17 | 1 35 | 2 22 | 1 39 | 1 50 | 9 10 | 5 35 | 25 15 | 1 42 | 20 8 | 0 26 | 1 33 | 2 48 | 23 29 | 0 9 | 14 45 | 1 52 | 20 56 | 16 40 | 10 47 | 10 57 | 12 9 | 8 54 | 5 53 |
| T 7 | 8 39 | 5n34 | 1 3 | 2 31 | 1 44 | 8 45 | 5 22 | 25 15 | 1 42 | 20 11 | 0 26 | 1 32 | 2 48 | 23 29 | 0 9 | 14 44 | 1 52 | 20 57 | 16 40 | 10 47 | 10 56 | 12 12 | 8 53 | 5 54 |
| F 8 | 9 1 | 12 28 | 0n21 | 3 23 | 1 37 | 8 21 | 5 9 | 25 15 | 1 41 | 20 13 | 0 26 | 1 30 | 2 48 | 23 29 | 0 9 | 14 44 | 1 52 | 20 57 | 16 40 | 10 46 | 10 55 | 12 15 | 8 52 | 5 54 |
| S 9 | 9 23 | 18 37 | 1 44 | 4 16 | 1 29 | 7 58 | 4 55 | 25 15 | 1 41 | 20 16 | 0 26 | 1 28 | 2 48 | 23 29 | 0 9 | 14 43 | 1 52 | 20 57 | 16 40 | 10 47 | 10 54 | 12 18 | 8 51 | 5 54 |
| S 10 | 9 44 | 23 32 | 2 58 | 5 10 | 1 21 | 7 35 | 4 41 | 25 15 | 1 41 | 20 19 | 0 25 | 1 27 | 2 48 | 23 29 | 0 9 | 14 43 | 1 52 | 20 57 | 16 39 | 10 47 | 10 53 | 12 22 | 8 50 | 5 54 |
| M11 | 10 6 | 26 50 | 3 58 | 6 5 | 1 12 | 7 13 | 4 27 | 25 15 | 1 40 | 20 21 | 0 25 | 1 25 | 2 48 | 23 29 | 0 9 | 14 42 | 1 52 | 20 57 | 16 39 | 10 47 | 10 52 | 12 25 | 8 49 | 5 55 |
| T 12 | 10 27 | 28 17 | 4 43 | 7 0 | 1 4 | 6 52 | 4 13 | 25 14 | 1 40 | 20 24 | 0 25 | 1 24 | 2 48 | 23 29 | 0 9 | 14 42 | 1 52 | 20 58 | 16 39 | 10 47 | 10 50 | 12 28 | 8 48 | 5 55 |
| W13 | 10 48 | 27 54 | 5 9 | 7 56 | 0 54 | 6 32 | 3 59 | 25 14 | 1 40 | 20 26 | 0 25 | 1 22 | 2 48 | 23 29 | 0 9 | 14 41 | 1 52 | 20 58 | 16 38 | 10 47 | 10 49 | 12 31 | 8 47 | 5 55 |
| T 14 | 11 9 | 25 54 | 5 18 | 8 51 | 0 45 | 6 12 | 3 45 | 25 13 | 1 39 | 20 29 | 0 25 | 1 20 | 2 48 | 23 29 | 0 9 | 14 41 | 1 52 | 20 58 | 16 38 | 10 47 | 10 48 | 12 34 | 8 46 | 5 56 |
| F 15 | 11 29 | 22 35 | 5 10 | 9 47 | 0 35 | 5 54 | 3 31 | 25 12 | 1 39 | 20 31 | 0 25 | 1 19 | 2 48 | 23 29 | 0 9 | 14 40 | 1 52 | 20 58 | 16 38 | 10 47 | 10 47 | 12 37 | 8 45 | 5 56 |
| S 16 | 11 50 | 18 17 | 4 47 | 10 43 | 0 25 | 5 36 | 3 17 | 25 11 | 1 39 | 20 34 | 0 25 | 1 17 | 2 48 | 23 29 | 0 9 | 14 40 | 1 52 | 20 58 | 16 37 | 10 47 | 10 46 | 12 40 | 8 44 | 5 56 |
| S 17 | 12 10 | 13 18 | 4 11 | 11 38 | 0 14 | 5 20 | 3 3 | 25 9 | 1 38 | 20 36 | 0 24 | 1 16 | 2 47 | 23 29 | 0 9 | 14 39 | 1 52 | 20 58 | 16 37 | 10 47 | 10 45 | 12 44 | 8 44 | 5 57 |
| M18 | 12 30 | 7 54 | 3 24 | 12 33 | 0 4 | 5 4 | 2 49 | 25 8 | 1 38 | 20 39 | 0 24 | 1 14 | 2 47 | 23 29 | 0 9 | 14 39 | 1 52 | 20 58 | 16 37 | 10 47 | 10 44 | 12 47 | 8 43 | 5 57 |
| T 19 | 12 50 | 2 17 | 2 29 | 13 27 | 0n 7 | 4 50 | 2 36 | 25 6 | 1 37 | 20 42 | 0 24 | 1 13 | 2 47 | 23 29 | 0 9 | 14 39 | 1 52 | 20 58 | 16 36 | 10 47 | 10 42 | 12 50 | 8 42 | 5 57 |
| W20 | 13 9 | 3s22 | 1 28 | 14 21 | 0 17 | 4 37 | 2 22 | 25 5 | 1 37 | 20 44 | 0 24 | 1 11 | 2 47 | 23 29 | 0 9 | 14 38 | 1 52 | 20 58 | 16 36 | 10 48 | 10 41 | 12 53 | 8 41 | 5 57 |
| T 21 | 13 29 | 8 52 | 0 24 | 15 13 | 0 28 | 4 25 | 2 9 | 25 3 | 1 37 | 20 47 | 0 24 | 1 10 | 2 47 | 23 29 | 0 9 | 14 38 | 1 52 | 20 58 | 16 36 | 10 48 | 10 40 | 12 56 | 8 40 | 5 58 |
| F 22 | 13 48 | 14 4 | 0s42 | 16 4 | 0 38 | 4 15 | 1 56 | 25 1 | 1 36 | 20 49 | 0 24 | 1 9 | 2 47 | 23 29 | 0 9 | 14 37 | 1 52 | 20 58 | 16 35 | 10 48 | 10 39 | 12 59 | 8 39 | 5 58 |
| S 23 | 14 7 | 18 46 | 1 45 | 16 53 | 0 49 | 4 5 | 1 44 | 24 58 | 1 36 | 20 52 | 0 24 | 1 7 | 2 47 | 23 29 | 0 9 | 14 37 | 1 52 | 20 58 | 16 35 | 10 47 | 10 38 | 13 2 | 8 38 | 5 58 |
| S 24 | 14 26 | 22 45 | 2 45 | 17 40 | 0 58 | 3 57 | 1 31 | 24 56 | 1 36 | 20 54 | 0 24 | 1 6 | 2 47 | 23 28 | 0 9 | 14 36 | 1 52 | 20 58 | 16 34 | 10 47 | 10 37 | 13 5 | 8 38 | 5 59 |
| M25 | 14 44 | 25 49 | 3 37 | 18 26 | 1 8 | 3 49 | 1 19 | 24 54 | 1 35 | 20 56 | 0 23 | 1 5 | 2 46 | 23 28 | 0 9 | 14 36 | 1 52 | 20 58 | 16 34 | 10 47 | 10 36 | 13 9 | 8 37 | 5 59 |
| T 26 | 15 3 | 27 44 | 4 21 | 19 9 | 1 17 | 3 43 | 1 7 | 24 51 | 1 35 | 20 59 | 0 23 | 1 3 | 2 46 | 23 28 | 0 9 | 14 35 | 1 52 | 20 58 | 16 34 | 10 46 | 10 34 | 13 12 | 8 36 | 5 59 |
| W27 | 15 21 | 28 20 | 4 53 | 19 51 | 1 26 | 3 38 | 0 56 | 24 48 | 1 35 | 21 1 | 0 23 | 1 2 | 2 46 | 23 28 | 0 9 | 14 35 | 1 52 | 20 58 | 16 33 | 10 45 | 10 33 | 13 15 | 8 35 | 6 0 |
| T 28 | 15 39 | 27 31 | 5 12 | 20 29 | 1 34 | 3 34 | 0 45 | 24 45 | 1 34 | 21 4 | 0 23 | 1 1 | 2 46 | 23 28 | 0 9 | 14 34 | 1 52 | 20 58 | 16 33 | 10 45 | 10 32 | 13 18 | 8 34 | 6 0 |
| F 29 | 15 56 | 25 15 | 5 16 | 21 6 | 1 41 | 3 31 | 0 34 | 24 42 | 1 34 | 21 6 | 0 23 | 1 0 | 2 46 | 23 28 | 0 9 | 14 34 | 1 52 | 20 58 | 16 32 | 10 44 | 10 31 | 13 21 | 8 34 | 6 0 |
| S 30 | 16n13 | 21s38 | 5s 4 | 21n40 | 1n48 | 3n29 | 0n23 | 24n39 | 1n33 | 21n 9 | 0s23 | 0s58 | 2n46 | 23s28 | 0s 9 | 14s33 | 1n52 | 20n58 | 16n32 | 10n44 | 10n30 | 13s24 | 8s33 | 6n 1 |

Julian Day Number = 2079458.5, Delta T = 25m58s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'30, Lahiri = 9°39'31 Julian Calendar 1 Apr. 981 == Greg. Calendar 6 Apr. 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## MAY 981 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 56 0 | 15♉16'35 | 27♒15 | 0♊17 | 8♈12 | 11♋50 | 6♊44 | 8°R45 | 21°R41 | 14°R41 | 15°R20 | 27♈46 | 27♈ 3 | 3♏52 | 22♒ 3 | S 1 |
| M 2 | 14 59 57 | 16°14'13 | 11♓ 6 | 2° 9 | 8°35 | 12°24 | 6°57 | 8♎42 | 21♐39 | 14♏40 | 15♍19 | 27°47 | 27° 0 | 3°59 | 22° 4 | M 2 |
| T 3 | 15 3 53 | 17°11'49 | 25°21 | 3°59 | 9° 0 | 12°59 | 7°11 | 8°39 | 21°37 | 14°38 | 15°19 | 27°48 | 26°56 | 4° 5 | 22° 5 | T 3 |
| W 4 | 15 7 50 | 18° 9'25 | 9♈58 | 5°47 | 9°26 | 13°34 | 7°24 | 8°36 | 21°35 | 14°36 | 15°18 | 27°49 | 26°53 | 4°12 | 22° 6 | W 4 |
| T 5 | 15 11 46 | 19° 6'59 | 24°53 | 7°31 | 9°54 | 14° 9 | 7°37 | 8°33 | 21°33 | 14°35 | 15°18 | 27°R50 | 26°50 | 4°18 | 22° 7 | T 5 |
| F 6 | 15 15 43 | 20° 4'33 | 9♉59 | 9°12 | 10°24 | 14°45 | 7°51 | 8°30 | 21°31 | 14°33 | 15°17 | 27°50 | 26°47 | 4°25 | 22° 8 | F 6 |
| S 7 | 15 19 40 | 21° 2'05 | 25° 8 | 10°51 | 10°54 | 15°20 | 8° 4 | 8°27 | 21°29 | 14°32 | 15°17 | 27°48 | 26°44 | 4°32 | 22° 9 | S 7 |
| S 8 | 15 23 36 | 21°59'37 | 10♊11 | 12°26 | 11°27 | 15°55 | 8°18 | 8°24 | 21°27 | 14°30 | 15°16 | 27°46 | 26°41 | 4°38 | 22°10 | S 8 |
| M 9 | 15 27 33 | 22°57'07 | 24°57 | 13°59 | 12° 0 | 16°30 | 8°31 | 8°22 | 21°25 | 14°28 | 15°16 | 27°42 | 26°37 | 4°45 | 22°11 | M 9 |
| T 10 | 15 31 29 | 23°54'36 | 9♋21 | 15°28 | 12°35 | 17° 5 | 8°45 | 8°19 | 21°23 | 14°27 | 15°15 | 27°39 | 26°34 | 4°52 | 22°11 | T 10 |
| W11 | 15 35 26 | 24°52'04 | 23°19 | 16°54 | 13°11 | 17°41 | 8°58 | 8°17 | 21°21 | 14°25 | 15°15 | 27°36 | 26°31 | 4°58 | 22°12 | W11 |
| T 12 | 15 39 22 | 25°49'30 | 6♌48 | 18°17 | 13°49 | 18°16 | 9°12 | 8°14 | 21°19 | 14°24 | 15°15 | 27°33 | 26°28 | 5° 5 | 22°13 | T 12 |
| F 13 | 15 43 19 | 26°46'56 | 19°51 | 19°37 | 14°27 | 18°51 | 9°26 | 8°12 | 21°17 | 14°22 | 15°15 | 27°32 | 26°25 | 5°12 | 22°13 | F 13 |
| S 14 | 15 47 15 | 27°44'19 | 2♍31 | 20°54 | 15° 7 | 19°27 | 9°39 | 8°10 | 21°15 | 14°20 | 15°14 | 27°D32 | 26°22 | 5°18 | 22°14 | S 14 |
| S 15 | 15 51 12 | 28°41'42 | 14°51 | 22° 7 | 15°47 | 20° 2 | 9°53 | 8° 8 | 21°13 | 14°19 | 15°14 | 27°33 | 26°18 | 5°25 | 22°14 | S 15 |
| M16 | 15 55 9 | 29°39'03 | 26°55 | 23°17 | 16°29 | 20°38 | 10° 6 | 8° 6 | 21°10 | 14°17 | 15°14 | 27°34 | 26°15 | 5°32 | 22°14 | M16 |
| T 17 | 15 59 5 | 0♊36'24 | 8♎50 | 24°24 | 17°11 | 21°13 | 10°20 | 8° 4 | 21° 8 | 14°16 | 15°14 | 27°36 | 26°12 | 5°38 | 22°15 | T 17 |
| W18 | 16 3 2 | 1°33'43 | 20°39 | 25°27 | 17°55 | 21°49 | 10°34 | 8° 2 | 21° 6 | 14°14 | 15°14 | 27°37 | 26° 9 | 5°45 | 22°15 | W18 |
| T 19 | 16 6 58 | 2°31'01 | 2♏26 | 26°27 | 18°39 | 22°24 | 10°47 | 8° 0 | 21° 4 | 14°13 | 15°14 | 27°R37 | 26° 6 | 5°52 | 22°15 | T 19 |
| F 20 | 16 10 55 | 3°28'19 | 14°14 | 27°23 | 19°25 | 23° 0 | 11° 1 | 7°59 | 21° 1 | 14°11 | 15°14 | 27°36 | 26° 2 | 5°58 | 22°15 | F 20 |
| S 21 | 16 14 51 | 4°25'36 | 26° 7 | 28°15 | 20°11 | 23°36 | 11°15 | 7°57 | 20°59 | 14°10 | 15°D13 | 27°33 | 25°59 | 6° 5 | 22°R15 | S 21 |
| S 22 | 16 18 48 | 5°22'52 | 8♐ 6 | 29° 4 | 20°58 | 24°11 | 11°28 | 7°56 | 20°57 | 14° 8 | 15°14 | 27°28 | 25°56 | 6°11 | 22°15 | S 22 |
| M23 | 16 22 44 | 6°20'07 | 20°14 | 29°49 | 21°45 | 24°47 | 11°42 | 7°54 | 20°54 | 14° 7 | 15°14 | 27°22 | 25°53 | 6°18 | 22°15 | M23 |
| T 24 | 16 26 41 | 7°17'22 | 2♑31 | 0♋29 | 22°34 | 25°23 | 11°56 | 7°53 | 20°52 | 14° 5 | 15°14 | 27°15 | 25°50 | 6°25 | 22°15 | T 24 |
| W25 | 16 30 38 | 8°14'36 | 15° 0 | 1° 6 | 23°23 | 25°59 | 12°10 | 7°52 | 20°50 | 14° 4 | 15°14 | 27° 8 | 25°47 | 6°31 | 22°15 | W25 |
| T 26 | 16 34 34 | 9°11'50 | 27°40 | 1°39 | 24°13 | 26°35 | 12°23 | 7°51 | 20°47 | 14° 2 | 15°14 | 27° 2 | 25°43 | 6°38 | 22°14 | T 26 |
| F 27 | 16 38 31 | 10° 9'03 | 10♒35 | 2° 7 | 25° 4 | 27°11 | 12°37 | 7°50 | 20°45 | 14° 1 | 15°14 | 26°57 | 25°40 | 6°45 | 22°14 | F 27 |
| S 28 | 16 42 27 | 11° 6'17 | 23°44 | 2°31 | 25°55 | 27°47 | 12°51 | 7°49 | 20°43 | 13°59 | 15°14 | 26°53 | 25°37 | 6°51 | 22°14 | S 28 |
| S 29 | 16 46 24 | 12° 3'29 | 7♓10 | 2°51 | 26°47 | 28°22 | 13° 5 | 7°48 | 20°40 | 13°58 | 15°15 | 26°D52 | 25°34 | 6°58 | 22°13 | S 29 |
| M30 | 16 50 20 | 13° 0'42 | 20°54 | 3° 6 | 27°39 | 28°58 | 13°18 | 7°48 | 20°38 | 13°57 | 15°15 | 26°52 | 25°31 | 7° 5 | 22°13 | M30 |
| T 31 | 16 54 17 | 13♊57'55 | 4♈56 | 3♋17 | 28♈32 | 29♋35 | 13♊32 | 7♎47 | 20♐35 | 13♏55 | 15♍15 | 26♈53 | 25♈28 | 7♏11 | 22♒12 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n30 | 16s48 | 4s36 | 22n11 | 1n54 | 3n28 | 0n13 | 24n35 | 1n33 | 21n11 | 0s23 | 0s57 | 2n45 | 23s28 | 0s 9 | 14s33 | 1n52 | 20n58 | 16n32 | 10n44 | 10n29 | 13s27 | 8s32 | 6n 1 |
| M 2 | 16 47 | 11 0 | 3 50 | 22 40 | 2 0 | 3 28 | 0 3 | 24 32 | 1 33 | 21 13 | 0 23 | 0 56 | 2 45 | 23 28 | 0 9 | 14 32 | 1 52 | 20 58 | 16 31 | 10 45 | 10 28 | 13 30 | 8 32 | 6 1 |
| T 3 | 17 4 | 4 28 | 2 50 | 23 6 | 2 5 | 3 29 | 0s 6 | 24 28 | 1 32 | 21 16 | 0 22 | 0 55 | 2 45 | 23 28 | 0 9 | 14 32 | 1 52 | 20 58 | 16 31 | 10 45 | 10 26 | 13 33 | 8 31 | 6 2 |
| W 4 | 17 20 | 2n29 | 1 37 | 23 30 | 2 9 | 3 31 | 0 16 | 24 24 | 1 32 | 21 18 | 0 22 | 0 54 | 2 45 | 23 28 | 0 9 | 14 31 | 1 52 | 20 57 | 16 30 | 10 45 | 10 25 | 13 36 | 8 30 | 6 2 |
| T 5 | 17 36 | 9 26 | 0 16 | 23 51 | 2 12 | 3 34 | 0 24 | 24 20 | 1 32 | 21 20 | 0 22 | 0 53 | 2 45 | 23 27 | 0 9 | 14 31 | 1 52 | 20 57 | 16 30 | 10 46 | 10 24 | 13 39 | 8 30 | 6 2 |
| F 6 | 17 52 | 15 57 | 1n 7 | 24 10 | 2 14 | 3 38 | 0 33 | 24 16 | 1 31 | 21 23 | 0 22 | 0 52 | 2 44 | 23 27 | 0 9 | 14 30 | 1 52 | 20 57 | 16 29 | 10 46 | 10 23 | 13 43 | 8 29 | 6 3 |
| S 7 | 18 7 | 21 30 | 2 25 | 24 26 | 2 16 | 3 42 | 0 42 | 24 11 | 1 31 | 21 25 | 0 22 | 0 51 | 2 44 | 23 27 | 0 9 | 14 30 | 1 52 | 20 57 | 16 29 | 10 45 | 10 22 | 13 46 | 8 29 | 6 3 |
| S 8 | 18 22 | 25 36 | 3 32 | 24 40 | 2 17 | 3 48 | 0 50 | 24 7 | 1 30 | 21 27 | 0 22 | 0 50 | 2 44 | 23 27 | 0 9 | 14 30 | 1 52 | 20 57 | 16 28 | 10 44 | 10 21 | 13 49 | 8 28 | 6 3 |
| M 9 | 18 37 | 27 53 | 4 25 | 24 52 | 2 17 | 3 54 | 0 57 | 24 2 | 1 30 | 21 29 | 0 22 | 0 50 | 2 44 | 23 27 | 0 9 | 14 29 | 1 52 | 20 56 | 16 28 | 10 43 | 10 19 | 13 52 | 8 27 | 6 4 |
| T 10 | 18 51 | 28 12 | 4 58 | 25 2 | 2 16 | 4 0 | 1 5 | 23 57 | 1 30 | 21 32 | 0 22 | 0 49 | 2 44 | 23 27 | 0 9 | 14 29 | 1 52 | 20 56 | 16 28 | 10 42 | 10 18 | 13 55 | 8 27 | 6 4 |
| W11 | 19 5 | 26 41 | 5 13 | 25 9 | 2 15 | 4 8 | 1 12 | 23 52 | 1 29 | 21 34 | 0 22 | 0 48 | 2 43 | 23 27 | 0 9 | 14 28 | 1 52 | 20 56 | 16 27 | 10 40 | 10 17 | 13 58 | 8 26 | 6 4 |
| T 12 | 19 19 | 23 40 | 5 10 | 25 15 | 2 12 | 4 16 | 1 19 | 23 47 | 1 29 | 21 36 | 0 21 | 0 47 | 2 43 | 23 27 | 0 9 | 14 28 | 1 52 | 20 55 | 16 27 | 10 40 | 10 16 | 14 1 | 8 26 | 6 5 |
| F 13 | 19 33 | 19 32 | 4 51 | 25 18 | 2 9 | 4 25 | 1 26 | 23 42 | 1 29 | 21 38 | 0 21 | 0 47 | 2 43 | 23 26 | 0 9 | 14 27 | 1 52 | 20 55 | 16 26 | 10 39 | 10 15 | 14 4 | 8 25 | 6 5 |
| S 14 | 19 46 | 14 38 | 4 18 | 25 20 | 2 5 | 4 34 | 1 32 | 23 37 | 1 28 | 21 40 | 0 21 | 0 46 | 2 43 | 23 26 | 0 9 | 14 27 | 1 52 | 20 55 | 16 26 | 10 39 | 10 14 | 14 7 | 8 25 | 6 5 |
| S 15 | 19 59 | 9 17 | 3 33 | 25 20 | 2 0 | 4 44 | 1 38 | 23 31 | 1 28 | 21 42 | 0 21 | 0 45 | 2 43 | 23 26 | 0 9 | 14 26 | 1 52 | 20 54 | 16 25 | 10 39 | 10 13 | 14 10 | 8 24 | 6 6 |
| M16 | 20 11 | 3 41 | 2 40 | 25 19 | 1 55 | 4 55 | 1 44 | 23 25 | 1 27 | 21 45 | 0 21 | 0 45 | 2 42 | 23 26 | 0 9 | 14 26 | 1 52 | 20 54 | 16 25 | 10 40 | 10 11 | 14 13 | 8 24 | 6 6 |
| T 17 | 20 24 | 1s58 | 1 41 | 25 16 | 1 48 | 5 6 | 1 50 | 23 19 | 1 27 | 21 47 | 0 21 | 0 44 | 2 42 | 23 26 | 0 9 | 14 25 | 1 52 | 20 54 | 16 24 | 10 41 | 10 10 | 14 16 | 8 24 | 6 7 |
| W18 | 20 35 | 7 31 | 0 38 | 25 11 | 1 41 | 5 18 | 1 55 | 23 13 | 1 27 | 21 49 | 0 21 | 0 44 | 2 42 | 23 26 | 0 9 | 14 25 | 1 52 | 20 53 | 16 24 | 10 41 | 10 9 | 14 19 | 8 23 | 6 7 |
| T 19 | 20 47 | 12 48 | 0s26 | 25 5 | 1 33 | 5 30 | 2 0 | 23 7 | 1 26 | 21 51 | 0 21 | 0 43 | 2 42 | 23 26 | 0 10 | 14 25 | 1 52 | 20 53 | 16 23 | 10 41 | 10 8 | 14 22 | 8 23 | 6 7 |
| F 20 | 20 58 | 17 37 | 1 29 | 24 58 | 1 25 | 5 43 | 2 5 | 23 1 | 1 26 | 21 53 | 0 21 | 0 43 | 2 41 | 23 26 | 0 10 | 14 24 | 1 52 | 20 53 | 16 23 | 10 41 | 10 7 | 14 25 | 8 22 | 6 8 |
| S 21 | 21 9 | 21 48 | 2 29 | 24 49 | 1 15 | 5 56 | 2 10 | 22 54 | 1 25 | 21 55 | 0 21 | 0 42 | 2 41 | 23 25 | 0 10 | 14 24 | 1 52 | 20 52 | 16 22 | 10 39 | 10 6 | 14 28 | 8 22 | 6 8 |
| S 22 | 21 19 | 25 7 | 3 23 | 24 40 | 1 5 | 6 9 | 2 14 | 22 47 | 1 25 | 21 57 | 0 20 | 0 42 | 2 41 | 23 25 | 0 10 | 14 23 | 1 52 | 20 52 | 16 22 | 10 38 | 10 4 | 14 32 | 8 22 | 6 8 |
| M23 | 21 29 | 27 19 | 4 7 | 24 29 | 0 55 | 6 23 | 2 18 | 22 41 | 1 25 | 21 59 | 0 20 | 0 42 | 2 41 | 23 25 | 0 10 | 14 23 | 1 52 | 20 51 | 16 21 | 10 36 | 10 3 | 14 35 | 8 22 | 6 9 |
| T 24 | 21 39 | 28 14 | 4 41 | 24 17 | 0 43 | 6 38 | 2 22 | 22 34 | 1 24 | 22 1 | 0 20 | 0 41 | 2 41 | 23 25 | 0 10 | 14 23 | 1 52 | 20 51 | 16 21 | 10 33 | 10 2 | 14 38 | 8 21 | 6 9 |
| W25 | 21 48 | 27 44 | 5 3 | 24 5 | 0 31 | 6 53 | 2 26 | 22 27 | 1 24 | 22 3 | 0 20 | 0 41 | 2 40 | 23 25 | 0 10 | 14 22 | 1 52 | 20 50 | 16 20 | 10 30 | 10 1 | 14 41 | 8 21 | 6 9 |
| T 26 | 21 57 | 25 47 | 5 9 | 23 52 | 0 18 | 7 8 | 2 29 | 22 19 | 1 24 | 22 5 | 0 20 | 0 41 | 2 40 | 23 25 | 0 10 | 14 22 | 1 52 | 20 50 | 16 20 | 10 28 | 10 0 | 14 44 | 8 21 | 6 10 |
| F 27 | 22 6 | 22 30 | 5 1 | 23 38 | 0 4 | 7 23 | 2 33 | 22 12 | 1 23 | 22 6 | 0 20 | 0 41 | 2 40 | 23 24 | 0 10 | 14 21 | 1 52 | 20 49 | 16 20 | 10 26 | 9 59 | 14 47 | 8 21 | 6 10 |
| S 28 | 22 14 | 18 1 | 4 36 | 23 23 | 0s10 | 7 39 | 2 36 | 22 4 | 1 23 | 22 8 | 0 20 | 0 41 | 2 40 | 23 24 | 0 10 | 14 21 | 1 52 | 20 49 | 16 19 | 10 25 | 9 57 | 14 50 | 8 20 | 6 10 |
| S 29 | 22 22 | 12 35 | 3 56 | 23 8 | 0 24 | 7 55 | 2 39 | 21 57 | 1 22 | 22 10 | 0 20 | 0 41 | 2 39 | 23 24 | 0 10 | 14 21 | 1 52 | 20 48 | 16 19 | 10 25 | 9 56 | 14 53 | 8 20 | 6 11 |
| M30 | 22 29 | 6 25 | 3 2 | 22 53 | 0 39 | 8 11 | 2 41 | 21 49 | 1 22 | 22 12 | 0 20 | 0 40 | 2 39 | 23 24 | 0 10 | 14 20 | 1 52 | 20 48 | 16 18 | 10 25 | 9 55 | 14 56 | 8 20 | 6 11 |
| T 31 | 22n36 | 0n12 | 1s56 | 22n37 | 0s55 | 8n28 | 2s44 | 21n41 | 1n22 | 22n14 | 0s20 | 0s40 | 2n39 | 23s24 | 0s10 | 14s20 | 1n52 | 20n47 | 16n18 | 10n25 | 9n54 | 14s59 | 8s20 | 6n11 |

Julian Day Number = 2079488.5, Delta T = 25m58s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'34, Lahiri = 9°39'35 Julian Calendar 1 May 981 == Greg. Calendar 6 May 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## JUNE 981 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 58 13 | 14♊55'07 | 19♈17 | 3♋23 | 29♈26 | 0♌11 | 13♊46 | 7°R46 | 20°R33 | 13°R54 | 15♍15 | 26♈54 | 25♈24 | 7♏18 | 22°R12 | W 1 |
| T 2 | 17 2 10 | 15°52'19 | 3♉55 | 3°R24 | 0♉20 | 0°47 | 14° 0 | 7♎46 | 20♐31 | 13♏53 | 15°16 | 26°R54 | 25°21 | 7°25 | 22♒11 | T 2 |
| F 3 | 17 6 7 | 16°49'32 | 18°44 | 3°21 | 1°15 | 1°23 | 14°13 | 7°46 | 20°28 | 13°51 | 15°16 | 26°52 | 25°18 | 7°31 | 22°10 | F 3 |
| S 4 | 17 10 3 | 17°46'44 | 3♊39 | 3°13 | 2°10 | 1°59 | 14°27 | 7°46 | 20°26 | 13°50 | 15°17 | 26°48 | 25°15 | 7°38 | 22° 9 | S 4 |
| S 5 | 17 14 0 | 18°43'56 | 18°32 | 3° 1 | 3° 5 | 2°35 | 14°41 | 7°D45 | 20°23 | 13°49 | 15°17 | 26°42 | 25°12 | 7°45 | 22° 9 | S 5 |
| M 6 | 17 17 56 | 19°41'08 | 3♋14 | 2°45 | 4° 2 | 3°12 | 14°54 | 7°45 | 20°21 | 13°48 | 15°18 | 26°34 | 25° 8 | 7°51 | 22° 8 | M 6 |
| T 7 | 17 21 53 | 20°38'20 | 17°38 | 2°25 | 4°58 | 3°48 | 15° 8 | 7°46 | 20°18 | 13°46 | 15°18 | 26°26 | 25° 5 | 7°58 | 22° 7 | T 7 |
| W 8 | 17 25 49 | 21°35'31 | 1♌38 | 2° 2 | 5°55 | 4°24 | 15°22 | 7°46 | 20°16 | 13°45 | 15°19 | 26°18 | 25° 2 | 8° 4 | 22° 6 | W 8 |
| T 9 | 17 29 46 | 22°32'42 | 15°11 | 1°34 | 6°52 | 5° 1 | 15°35 | 7°46 | 20°13 | 13°44 | 15°19 | 26°11 | 24°59 | 8°11 | 22° 5 | T 9 |
| F 10 | 17 33 43 | 23°29'53 | 28°17 | 1° 4 | 7°50 | 5°37 | 15°49 | 7°46 | 20°11 | 13°43 | 15°20 | 26° 6 | 24°56 | 8°18 | 22° 4 | F 10 |
| S 11 | 17 37 39 | 24°27'03 | 10♍59 | 0°32 | 8°48 | 6°14 | 16° 3 | 7°47 | 20° 9 | 13°42 | 15°21 | 26° 3 | 24°53 | 8°24 | 22° 2 | S 11 |
| S 12 | 17 41 36 | 25°24'13 | 23°19 | 29♊57 | 9°47 | 6°50 | 16°16 | 7°48 | 20° 6 | 13°40 | 15°21 | 26°D 2 | 24°49 | 8°31 | 22° 1 | S 12 |
| M13 | 17 45 32 | 26°21'22 | 5♎24 | 29°21 | 10°46 | 7°27 | 16°30 | 7°48 | 20° 4 | 13°39 | 15°22 | 26° 3 | 24°46 | 8°38 | 22° 0 | M13 |
| T 14 | 17 49 29 | 27°18'32 | 17°18 | 28°44 | 11°45 | 8° 3 | 16°44 | 7°49 | 20° 1 | 13°38 | 15°23 | 26° 3 | 24°43 | 8°44 | 21°59 | T 14 |
| W15 | 17 53 25 | 28°15'41 | 29° 6 | 28° 7 | 12°45 | 8°40 | 16°57 | 7°50 | 19°59 | 13°37 | 15°24 | 26°R 4 | 24°40 | 8°51 | 21°57 | W15 |
| T 16 | 17 57 22 | 29°12'50 | 10♏54 | 27°30 | 13°45 | 9°16 | 17°11 | 7°51 | 19°57 | 13°36 | 15°24 | 26° 2 | 24°37 | 8°58 | 21°56 | T 16 |
| F 17 | 18 1 18 | 0♋ 9'59 | 22°45 | 26°55 | 14°45 | 9°53 | 17°24 | 7°52 | 19°54 | 13°35 | 15°25 | 25°59 | 24°34 | 9° 4 | 21°54 | F 17 |
| S 18 | 18 5 15 | 1° 7'08 | 4♐44 | 26°21 | 15°46 | 10°30 | 17°38 | 7°53 | 19°52 | 13°34 | 15°26 | 25°53 | 24°30 | 9°11 | 21°53 | S 18 |
| S 19 | 18 9 12 | 2° 4'17 | 16°53 | 25°49 | 16°47 | 11° 6 | 17°51 | 7°54 | 19°49 | 13°33 | 15°27 | 25°45 | 24°27 | 9°18 | 21°51 | S 19 |
| M20 | 18 13 8 | 3° 1'27 | 29°14 | 25°20 | 17°48 | 11°43 | 18° 5 | 7°56 | 19°47 | 13°32 | 15°28 | 25°35 | 24°24 | 9°24 | 21°50 | M20 |
| T 21 | 18 17 5 | 3°58'36 | 11♑47 | 24°55 | 18°49 | 12°20 | 18°18 | 7°57 | 19°45 | 13°31 | 15°29 | 25°24 | 24°21 | 9°31 | 21°48 | T 21 |
| W22 | 18 21 1 | 4°55'46 | 24°34 | 24°33 | 19°51 | 12°57 | 18°32 | 7°59 | 19°42 | 13°31 | 15°30 | 25°12 | 24°18 | 9°38 | 21°46 | W22 |
| T 23 | 18 24 58 | 5°52'57 | 7♒32 | 24°16 | 20°53 | 13°34 | 18°45 | 8° 1 | 19°40 | 13°30 | 15°31 | 25° 1 | 24°14 | 9°44 | 21°44 | T 23 |
| F 24 | 18 28 54 | 6°50'07 | 20°43 | 24° 3 | 21°56 | 14°11 | 18°58 | 8° 2 | 19°38 | 13°29 | 15°32 | 24°52 | 24°11 | 9°51 | 21°43 | F 24 |
| S 25 | 18 32 51 | 7°47'19 | 4♓ 6 | 23°55 | 22°58 | 14°48 | 19°12 | 8° 4 | 19°35 | 13°28 | 15°33 | 24°46 | 24° 8 | 9°58 | 21°41 | S 25 |
| S 26 | 18 36 47 | 8°44'31 | 17°40 | 23°D52 | 24° 1 | 15°25 | 19°25 | 8° 6 | 19°33 | 13°27 | 15°34 | 24°42 | 24° 5 | 10° 4 | 21°39 | S 26 |
| M27 | 18 40 44 | 9°41'43 | 1♈25 | 23°55 | 25° 4 | 16° 2 | 19°38 | 8° 8 | 19°31 | 13°27 | 15°36 | 24°41 | 24° 2 | 10°11 | 21°37 | M27 |
| T 28 | 18 44 41 | 10°38'57 | 15°22 | 24° 3 | 26° 8 | 16°39 | 19°52 | 8°10 | 19°29 | 13°26 | 15°37 | 24°D41 | 23°59 | 10°18 | 21°35 | T 28 |
| W29 | 18 48 37 | 11°36'11 | 29°31 | 24°17 | 27°11 | 17°16 | 20° 5 | 8°13 | 19°27 | 13°25 | 15°38 | 24°R41 | 23°55 | 10°24 | 21°33 | W29 |
| T 30 | 18 52 34 | 12♋33'27 | 13♉51 | 24♊37 | 28♉15 | 17♌53 | 20♊18 | 8♎15 | 19♐24 | 13♏25 | 15♍39 | 24♈40 | 23♈52 | 10♏31 | 21♒31 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n43 | 6n57 | 0s41 | 22n21 | 1s11 | 8n44 | 2s46 | 21n33 | 1n21 | 22n16 | 0s19 | 0s41 | 2n39 | 23s24 | 0s10 | 14s19 | 1n52 | 20n47 | 16n17 | 10n25 | 9n53 | 15s 2 | 8s20 | 6n12 |
| T 2 | 22 49 | 13 29 | 0n38 | 22 5 | 1 27 | 9 1 | 2 48 | 21 25 | 1 21 | 22 17 | 0 19 | 0 41 | 2 38 | 23 24 | 0 10 | 14 19 | 1 52 | 20 46 | 16 17 | 10 25 | 9 52 | 15 5 | 8 20 | 6 12 |
| F 3 | 22 55 | 19 20 | 1 55 | 21 49 | 1 43 | 9 19 | 2 50 | 21 16 | 1 20 | 22 19 | 0 19 | 0 41 | 2 38 | 23 23 | 0 10 | 14 19 | 1 52 | 20 45 | 16 16 | 10 25 | 9 50 | 15 8 | 8 20 | 6 12 |
| S 4 | 23 0 | 24 1 | 3 5 | 21 33 | 1 59 | 9 36 | 2 52 | 21 8 | 1 20 | 22 21 | 0 19 | 0 41 | 2 38 | 23 23 | 0 10 | 14 18 | 1 51 | 20 45 | 16 16 | 10 23 | 9 49 | 15 11 | 8 20 | 6 13 |
| S 5 | 23 6 | 27 5 | 4 1 | 21 17 | 2 15 | 9 53 | 2 54 | 20 59 | 1 20 | 22 22 | 0 19 | 0 41 | 2 38 | 23 23 | 0 10 | 14 18 | 1 51 | 20 44 | 16 15 | 10 21 | 9 48 | 15 14 | 8 19 | 6 13 |
| M 6 | 23 10 | 28 13 | 4 41 | 21 1 | 2 32 | 10 11 | 2 55 | 20 50 | 1 19 | 22 24 | 0 19 | 0 41 | 2 37 | 23 23 | 0 10 | 14 18 | 1 51 | 20 43 | 16 15 | 10 18 | 9 47 | 15 17 | 8 19 | 6 13 |
| T 7 | 23 14 | 27 24 | 5 3 | 20 46 | 2 47 | 10 29 | 2 57 | 20 41 | 1 19 | 22 26 | 0 19 | 0 42 | 2 37 | 23 23 | 0 10 | 14 17 | 1 51 | 20 43 | 16 14 | 10 15 | 9 46 | 15 20 | 8 19 | 6 13 |
| W 8 | 23 18 | 24 51 | 5 5 | 20 31 | 3 3 | 10 46 | 2 58 | 20 32 | 1 18 | 22 27 | 0 19 | 0 42 | 2 37 | 23 23 | 0 10 | 14 17 | 1 51 | 20 42 | 16 14 | 10 12 | 9 45 | 15 23 | 8 19 | 6 14 |
| T 9 | 23 22 | 20 59 | 4 50 | 20 16 | 3 17 | 11 4 | 2 59 | 20 23 | 1 18 | 22 29 | 0 19 | 0 42 | 2 36 | 23 22 | 0 10 | 14 17 | 1 51 | 20 41 | 16 13 | 10 10 | 9 43 | 15 26 | 8 20 | 6 14 |
| F 10 | 23 25 | 16 11 | 4 20 | 20 3 | 3 31 | 11 22 | 2 59 | 20 13 | 1 18 | 22 30 | 0 19 | 0 43 | 2 36 | 23 22 | 0 10 | 14 16 | 1 51 | 20 41 | 16 13 | 10 8 | 9 42 | 15 29 | 8 20 | 6 14 |
| S 11 | 23 27 | 10 50 | 3 37 | 19 50 | 3 45 | 11 40 | 3 0 | 20 4 | 1 17 | 22 32 | 0 18 | 0 43 | 2 36 | 23 22 | 0 10 | 14 16 | 1 51 | 20 40 | 16 12 | 10 7 | 9 41 | 15 32 | 8 20 | 6 15 |
| S 12 | 23 30 | 5 12 | 2 46 | 19 38 | 3 57 | 11 58 | 3 1 | 19 54 | 1 17 | 22 33 | 0 18 | 0 44 | 2 36 | 23 22 | 0 10 | 14 16 | 1 51 | 20 39 | 16 12 | 10 7 | 9 40 | 15 35 | 8 20 | 6 15 |
| M13 | 23 31 | 0s30 | 1 48 | 19 27 | 4 7 | 12 16 | 3 1 | 19 44 | 1 16 | 22 35 | 0 18 | 0 44 | 2 35 | 23 22 | 0 10 | 14 16 | 1 51 | 20 39 | 16 11 | 10 7 | 9 39 | 15 38 | 8 20 | 6 15 |
| T 14 | 23 33 | 6 7 | 0 47 | 19 17 | 4 17 | 12 34 | 3 1 | 19 35 | 1 16 | 22 36 | 0 18 | 0 45 | 2 35 | 23 21 | 0 10 | 14 15 | 1 51 | 20 38 | 16 11 | 10 7 | 9 38 | 15 41 | 8 20 | 6 16 |
| W15 | 23 34 | 11 28 | 0s16 | 19 8 | 4 25 | 12 52 | 3 1 | 19 25 | 1 15 | 22 38 | 0 18 | 0 45 | 2 35 | 23 21 | 0 10 | 14 15 | 1 51 | 20 37 | 16 10 | 10 7 | 9 36 | 15 44 | 8 20 | 6 16 |
| T 16 | 23 34 | 16 25 | 1 18 | 19 1 | 4 32 | 13 10 | 3 1 | 19 14 | 1 15 | 22 39 | 0 18 | 0 46 | 2 35 | 23 21 | 0 10 | 14 15 | 1 51 | 20 36 | 16 10 | 10 7 | 9 35 | 15 46 | 8 20 | 6 16 |
| F 17 | 23 34 | 20 47 | 2 17 | 18 55 | 4 37 | 13 28 | 3 1 | 19 4 | 1 15 | 22 41 | 0 18 | 0 47 | 2 34 | 23 21 | 0 10 | 14 15 | 1 51 | 20 36 | 16 10 | 10 6 | 9 34 | 15 49 | 8 21 | 6 16 |
| S 18 | 23 34 | 24 20 | 3 11 | 18 51 | 4 41 | 13 46 | 3 1 | 18 54 | 1 14 | 22 42 | 0 18 | 0 47 | 2 34 | 23 21 | 0 10 | 14 14 | 1 51 | 20 35 | 16 9 | 10 3 | 9 33 | 15 52 | 8 21 | 6 17 |
| S 19 | 23 33 | 26 50 | 3 56 | 18 48 | 4 43 | 14 4 | 3 0 | 18 43 | 1 14 | 22 43 | 0 18 | 0 48 | 2 34 | 23 21 | 0 10 | 14 14 | 1 51 | 20 34 | 16 9 | 10 0 | 9 32 | 15 55 | 8 21 | 6 17 |
| M20 | 23 32 | 28 5 | 4 31 | 18 46 | 4 43 | 14 21 | 3 0 | 18 32 | 1 13 | 22 45 | 0 18 | 0 49 | 2 34 | 23 20 | 0 10 | 14 14 | 1 51 | 20 33 | 16 8 | 9 57 | 9 31 | 15 58 | 8 21 | 6 17 |
| T 21 | 23 31 | 27 55 | 4 54 | 18 47 | 4 42 | 14 39 | 2 59 | 18 22 | 1 13 | 22 46 | 0 18 | 0 50 | 2 33 | 23 20 | 0 10 | 14 14 | 1 51 | 20 33 | 16 8 | 9 53 | 9 29 | 16 1 | 8 22 | 6 18 |
| W22 | 23 29 | 26 17 | 5 2 | 18 48 | 4 40 | 14 56 | 2 58 | 18 11 | 1 13 | 22 47 | 0 18 | 0 50 | 2 33 | 23 20 | 0 10 | 14 13 | 1 51 | 20 32 | 16 7 | 9 48 | 9 28 | 16 4 | 8 22 | 6 18 |
| T 23 | 23 26 | 23 14 | 4 55 | 18 52 | 4 35 | 15 14 | 2 57 | 18 0 | 1 12 | 22 48 | 0 17 | 0 51 | 2 33 | 23 20 | 0 10 | 14 13 | 1 51 | 20 31 | 16 7 | 9 44 | 9 27 | 16 7 | 8 22 | 6 18 |
| F 24 | 23 24 | 18 58 | 4 32 | 18 57 | 4 30 | 15 31 | 2 56 | 17 49 | 1 12 | 22 49 | 0 17 | 0 52 | 2 33 | 23 20 | 0 10 | 14 13 | 1 51 | 20 30 | 16 6 | 9 41 | 9 26 | 16 10 | 8 22 | 6 18 |
| S 25 | 23 21 | 13 42 | 3 54 | 19 3 | 4 23 | 15 48 | 2 55 | 17 37 | 1 11 | 22 51 | 0 17 | 0 53 | 2 32 | 23 20 | 0 10 | 14 13 | 1 51 | 20 29 | 16 6 | 9 39 | 9 25 | 16 13 | 8 23 | 6 19 |
| S 26 | 23 17 | 7 42 | 3 3 | 19 11 | 4 15 | 16 5 | 2 54 | 17 26 | 1 11 | 22 52 | 0 17 | 0 54 | 2 32 | 23 19 | 0 10 | 14 13 | 1 50 | 20 28 | 16 6 | 9 37 | 9 24 | 16 16 | 8 23 | 6 19 |
| M27 | 23 13 | 1 16 | 2 0 | 19 20 | 4 6 | 16 21 | 2 52 | 17 14 | 1 10 | 22 53 | 0 17 | 0 55 | 2 32 | 23 19 | 0 10 | 14 12 | 1 50 | 20 28 | 16 5 | 9 37 | 9 22 | 16 19 | 8 24 | 6 19 |
| T 28 | 23 9 | 5n20 | 0 49 | 19 30 | 3 56 | 16 37 | 2 51 | 17 3 | 1 10 | 22 54 | 0 17 | 0 56 | 2 32 | 23 19 | 0 10 | 14 12 | 1 50 | 20 27 | 16 5 | 9 37 | 9 21 | 16 22 | 8 24 | 6 19 |
| W29 | 23 4 | 11 46 | 0n26 | 19 42 | 3 45 | 16 54 | 2 49 | 16 51 | 1 10 | 22 55 | 0 17 | 0 57 | 2 31 | 23 19 | 0 10 | 14 12 | 1 50 | 20 26 | 16 4 | 9 37 | 9 20 | 16 25 | 8 24 | 6 20 |
| T 30 | 22n59 | 17n40 | 1n40 | 19n54 | 3s34 | 17n 9 | 2s48 | 16n39 | 1n 9 | 22n56 | 0s17 | 0s59 | 2n31 | 23s19 | 0s10 | 14s12 | 1n50 | 20n25 | 16n 4 | 9n36 | 9n19 | 16s28 | 8s25 | 6n20 |

Julian Day Number = 2079519.5, Delta T = 25m57s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'39, Lahiri = 9°39'39 Julian Calendar 1 June 981 == Greg. Calendar 6 June 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## JULY 981 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 56 30 | 13♋30'43 | 28♉19 | 25♊ 2 | 29♉19 | 18♌30 | 20♊31 | 8♎17 | 19°R22 | 13°R24 | 15♍40 | 24°R36 | 23♈49 | 10♏37 | 21°R29 | F 1 |
| S 2 | 19 0 27 | 14°28'00 | 12♊52 | 25°33 | 0♊23 | 19° 7 | 20°44 | 8°20 | 19♐20 | 13♏23 | 15°42 | 24♈31 | 23°46 | 10°44 | 21♒27 | S 2 |
| S 3 | 19 4 23 | 15°25'18 | 27°24 | 26°10 | 1°28 | 19°44 | 20°57 | 8°22 | 19°18 | 13°23 | 15°43 | 24°22 | 23°43 | 10°51 | 21°24 | S 3 |
| M 4 | 19 8 20 | 16°22'36 | 11♋48 | 26°52 | 2°33 | 20°22 | 21°10 | 8°25 | 19°16 | 13°22 | 15°44 | 24°12 | 23°40 | 10°57 | 21°22 | M 4 |
| T 5 | 19 12 17 | 17°19'56 | 25°58 | 27°40 | 3°38 | 20°59 | 21°23 | 8°28 | 19°14 | 13°22 | 15°46 | 24° 0 | 23°36 | 11° 4 | 21°20 | T 5 |
| W 6 | 19 16 13 | 18°17'16 | 9♌49 | 28°34 | 4°43 | 21°36 | 21°36 | 8°31 | 19°12 | 13°21 | 15°47 | 23°49 | 23°33 | 11°11 | 21°17 | W 6 |
| T 7 | 19 20 10 | 19°14'37 | 23°17 | 29°33 | 5°48 | 22°14 | 21°49 | 8°34 | 19°10 | 13°21 | 15°49 | 23°38 | 23°30 | 11°17 | 21°15 | T 7 |
| F 8 | 19 24 6 | 20°11'58 | 6♍21 | 0♋37 | 6°53 | 22°51 | 22° 2 | 8°37 | 19° 8 | 13°20 | 15°50 | 23°31 | 23°27 | 11°24 | 21°13 | F 8 |
| S 9 | 19 28 3 | 21° 9'20 | 19° 2 | 1°47 | 7°59 | 23°29 | 22°15 | 8°40 | 19° 6 | 13°20 | 15°51 | 23°25 | 23°24 | 11°31 | 21°10 | S 9 |
| S 10 | 19 31 59 | 22° 6'42 | 1♎23 | 3° 2 | 9° 5 | 24° 6 | 22°28 | 8°43 | 19° 4 | 13°20 | 15°53 | 23°22 | 23°20 | 11°37 | 21° 8 | S 10 |
| M11 | 19 35 56 | 23° 4'05 | 13°28 | 4°22 | 10°11 | 24°44 | 22°40 | 8°46 | 19° 2 | 13°19 | 15°54 | 23°21 | 23°17 | 11°44 | 21° 5 | M11 |
| T 12 | 19 39 52 | 24° 1'29 | 25°23 | 5°47 | 11°17 | 25°21 | 22°53 | 8°50 | 19° 0 | 13°19 | 15°56 | 23°21 | 23°14 | 11°51 | 21° 3 | T 12 |
| W13 | 19 43 49 | 24°58'53 | 7♏12 | 7°16 | 12°23 | 25°59 | 23° 5 | 8°53 | 18°58 | 13°19 | 15°58 | 23°21 | 23°11 | 11°57 | 21° 0 | W13 |
| T 14 | 19 47 46 | 25°56'19 | 19° 1 | 8°50 | 13°30 | 26°36 | 23°18 | 8°57 | 18°57 | 13°19 | 15°59 | 23°20 | 23° 8 | 12° 4 | 20°58 | T 14 |
| F 15 | 19 51 42 | 26°53'45 | 0♐56 | 10°28 | 14°37 | 27°14 | 23°31 | 9° 0 | 18°55 | 13°18 | 16° 1 | 23°16 | 23° 5 | 12°11 | 20°55 | F 15 |
| S 16 | 19 55 39 | 27°51'12 | 13° 0 | 12°10 | 15°43 | 27°52 | 23°43 | 9° 4 | 18°53 | 13°18 | 16° 2 | 23°10 | 23° 1 | 12°17 | 20°52 | S 16 |
| S 17 | 19 59 35 | 28°48'39 | 25°17 | 13°56 | 16°50 | 28°30 | 23°55 | 9° 8 | 18°51 | 13°18 | 16° 4 | 23° 1 | 22°58 | 12°24 | 20°50 | S 17 |
| M18 | 20 3 32 | 29°46'08 | 7♑50 | 15°45 | 17°58 | 29° 7 | 24° 8 | 9°12 | 18°50 | 13°18 | 16° 6 | 22°50 | 22°55 | 12°31 | 20°47 | M18 |
| T 19 | 20 7 28 | 0♌43'38 | 20°40 | 17°37 | 19° 5 | 29°45 | 24°20 | 9°16 | 18°48 | 13°18 | 16° 8 | 22°38 | 22°52 | 12°37 | 20°44 | T 19 |
| W20 | 20 11 25 | 1°41'09 | 3♒46 | 19°31 | 20°12 | 0♍23 | 24°32 | 9°20 | 18°47 | 13°18 | 16° 9 | 22°26 | 22°49 | 12°44 | 20°42 | W20 |
| T 21 | 20 15 21 | 2°38'41 | 17° 7 | 21°28 | 21°20 | 1° 1 | 24°44 | 9°24 | 18°45 | 13°D18 | 16°11 | 22°14 | 22°46 | 12°51 | 20°39 | T 21 |
| F 22 | 20 19 18 | 3°36'14 | 0♓41 | 23°26 | 22°28 | 1°39 | 24°56 | 9°28 | 18°44 | 13°18 | 16°13 | 22° 5 | 22°42 | 12°57 | 20°36 | F 22 |
| S 23 | 20 23 15 | 4°33'49 | 14°25 | 25°26 | 23°36 | 2°17 | 25° 8 | 9°32 | 18°42 | 13°18 | 16°15 | 21°58 | 22°39 | 13° 4 | 20°33 | S 23 |
| S 24 | 20 27 11 | 5°31'25 | 28°17 | 27°27 | 24°44 | 2°55 | 25°20 | 9°37 | 18°41 | 13°18 | 16°16 | 21°53 | 22°36 | 13°10 | 20°31 | S 24 |
| M25 | 20 31 8 | 6°29'02 | 12♈15 | 29°29 | 25°52 | 3°33 | 25°32 | 9°41 | 18°39 | 13°18 | 16°18 | 21°52 | 22°33 | 13°17 | 20°28 | M25 |
| T 26 | 20 35 4 | 7°26'41 | 26°17 | 1♌31 | 27° 0 | 4°11 | 25°44 | 9°46 | 18°38 | 13°18 | 16°20 | 21°D51 | 22°30 | 13°24 | 20°25 | T 26 |
| W27 | 20 39 1 | 8°24'22 | 10♉23 | 3°33 | 28° 9 | 4°49 | 25°56 | 9°50 | 18°37 | 13°19 | 16°22 | 21°R52 | 22°26 | 13°30 | 20°22 | W27 |
| T 28 | 20 42 57 | 9°22'05 | 24°33 | 5°35 | 29°17 | 5°27 | 26° 7 | 9°55 | 18°35 | 13°19 | 16°24 | 21°51 | 22°23 | 13°37 | 20°19 | T 28 |
| F 29 | 20 46 54 | 10°19'49 | 8♊43 | 7°37 | 0♋26 | 6° 6 | 26°19 | 10° 0 | 18°34 | 13°19 | 16°26 | 21°48 | 22°20 | 13°44 | 20°16 | F 29 |
| S 30 | 20 50 50 | 11°17'35 | 22°53 | 9°38 | 1°35 | 6°44 | 26°30 | 10° 4 | 18°33 | 13°19 | 16°28 | 21°43 | 22°17 | 13°50 | 20°13 | S 30 |
| S 31 | 20 54 47 | 12♌15'23 | 7♋ 0 | 11♌38 | 2♋44 | 7♍22 | 26♊42 | 10♎ 9 | 18♐32 | 13♏20 | 16♍30 | 21♈35 | 22♈14 | 13♏57 | 20♒10 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n53 | 22n37 | 2n48 | 20n 8 | 3s21 | 17n25 | 2s46 | 16n27 | 1n 9 | 22n57 | 0s17 | 1s 0 | 2n31 | 23s19 | 0s10 | 14s12 | 1n50 | 20n24 | 16n 3 | 9n35 | 9n18 | 16s31 | 8s25 | 6n20 |
| S 2 | 22 47 | 26 12 | 3 46 | 20 22 | 3 8 | 17 40 | 2 44 | 16 15 | 1 8 | 22 58 | 0 17 | 1 1 | 2 31 | 23 18 | 0 10 | 14 12 | 1 50 | 20 23 | 16 3 | 9 33 | 9 16 | 16 33 | 8 26 | 6 20 |
| S 3 | 22 41 | 28 1 | 4 28 | 20 37 | 2 55 | 17 56 | 2 42 | 16 3 | 1 8 | 22 59 | 0 17 | 1 2 | 2 30 | 23 18 | 0 10 | 14 12 | 1 50 | 20 22 | 16 3 | 9 30 | 9 15 | 16 36 | 8 26 | 6 20 |
| M 4 | 22 34 | 27 55 | 4 54 | 20 52 | 2 41 | 18 10 | 2 40 | 15 51 | 1 7 | 23 0 | 0 16 | 1 4 | 2 30 | 23 18 | 0 10 | 14 12 | 1 50 | 20 21 | 16 2 | 9 26 | 9 14 | 16 39 | 8 27 | 6 21 |
| T 5 | 22 27 | 25 59 | 5 0 | 21 7 | 2 26 | 18 25 | 2 38 | 15 38 | 1 7 | 23 1 | 0 16 | 1 5 | 2 30 | 23 18 | 0 10 | 14 11 | 1 50 | 20 21 | 16 2 | 9 22 | 9 13 | 16 42 | 8 27 | 6 21 |
| W 6 | 22 19 | 22 32 | 4 49 | 21 22 | 2 12 | 18 39 | 2 36 | 15 26 | 1 7 | 23 2 | 0 16 | 1 6 | 2 30 | 23 18 | 0 10 | 14 11 | 1 50 | 20 20 | 16 1 | 9 17 | 9 12 | 16 45 | 8 28 | 6 21 |
| T 7 | 22 11 | 17 57 | 4 22 | 21 37 | 1 57 | 18 53 | 2 33 | 15 13 | 1 6 | 23 3 | 0 16 | 1 8 | 2 29 | 23 18 | 0 10 | 14 11 | 1 50 | 20 19 | 16 1 | 9 14 | 9 11 | 16 48 | 8 28 | 6 21 |
| F 8 | 22 3 | 12 39 | 3 41 | 21 52 | 1 43 | 19 6 | 2 31 | 15 0 | 1 6 | 23 4 | 0 16 | 1 9 | 2 29 | 23 17 | 0 10 | 14 11 | 1 50 | 20 18 | 16 1 | 9 11 | 9 9 | 16 51 | 8 29 | 6 21 |
| S 9 | 21 54 | 6 59 | 2 51 | 22 6 | 1 28 | 19 19 | 2 29 | 14 48 | 1 5 | 23 5 | 0 16 | 1 11 | 2 29 | 23 17 | 0 10 | 14 11 | 1 50 | 20 17 | 16 0 | 9 9 | 9 8 | 16 54 | 8 30 | 6 22 |
| S 10 | 21 45 | 1 11 | 1 54 | 22 19 | 1 13 | 19 32 | 2 26 | 14 35 | 1 5 | 23 5 | 0 16 | 1 12 | 2 29 | 23 17 | 0 10 | 14 11 | 1 50 | 20 16 | 16 0 | 9 8 | 9 7 | 16 57 | 8 30 | 6 22 |
| M11 | 21 35 | 4s33 | 0 52 | 22 31 | 0 59 | 19 44 | 2 23 | 14 22 | 1 4 | 23 6 | 0 16 | 1 14 | 2 28 | 23 17 | 0 10 | 14 11 | 1 50 | 20 15 | 16 0 | 9 7 | 9 6 | 16 59 | 8 31 | 6 22 |
| T 12 | 21 25 | 10 2 | 0s11 | 22 42 | 0 45 | 19 56 | 2 21 | 14 9 | 1 4 | 23 7 | 0 16 | 1 15 | 2 28 | 23 17 | 0 10 | 14 11 | 1 50 | 20 14 | 15 59 | 9 7 | 9 5 | 17 2 | 8 31 | 6 22 |
| W13 | 21 15 | 15 8 | 1 13 | 22 52 | 0 31 | 20 7 | 2 18 | 13 55 | 1 3 | 23 8 | 0 16 | 1 17 | 2 28 | 23 17 | 0 10 | 14 11 | 1 49 | 20 13 | 15 59 | 9 7 | 9 3 | 17 5 | 8 32 | 6 22 |
| T 14 | 21 5 | 19 41 | 2 11 | 22 59 | 0 17 | 20 19 | 2 15 | 13 42 | 1 3 | 23 8 | 0 16 | 1 18 | 2 28 | 23 17 | 0 10 | 14 11 | 1 49 | 20 12 | 15 58 | 9 7 | 9 2 | 17 8 | 8 33 | 6 22 |
| F 15 | 20 54 | 23 28 | 3 5 | 23 5 | 0 4 | 20 29 | 2 13 | 13 29 | 1 3 | 23 9 | 0 16 | 1 20 | 2 27 | 23 16 | 0 10 | 14 11 | 1 49 | 20 11 | 15 58 | 9 5 | 9 1 | 17 11 | 8 33 | 6 23 |
| S 16 | 20 42 | 26 18 | 3 51 | 23 9 | 0n 8 | 20 39 | 2 10 | 13 15 | 1 2 | 23 10 | 0 16 | 1 22 | 2 27 | 23 16 | 0 10 | 14 11 | 1 49 | 20 10 | 15 58 | 9 3 | 9 0 | 17 14 | 8 34 | 6 23 |
| S 17 | 20 31 | 27 56 | 4 27 | 23 11 | 0 20 | 20 49 | 2 7 | 13 2 | 1 2 | 23 11 | 0 15 | 1 23 | 2 27 | 23 16 | 0 10 | 14 11 | 1 49 | 20 9 | 15 57 | 9 0 | 8 59 | 17 17 | 8 35 | 6 23 |
| M18 | 20 19 | 28 10 | 4 50 | 23 10 | 0 32 | 20 58 | 2 4 | 12 48 | 1 1 | 23 11 | 0 15 | 1 25 | 2 27 | 23 16 | 0 10 | 14 11 | 1 49 | 20 8 | 15 57 | 8 56 | 8 58 | 17 19 | 8 36 | 6 23 |
| T 19 | 20 6 | 26 55 | 5 0 | 23 6 | 0 42 | 21 7 | 2 1 | 12 34 | 1 1 | 23 12 | 0 15 | 1 27 | 2 27 | 23 16 | 0 10 | 14 11 | 1 49 | 20 7 | 15 57 | 8 51 | 8 56 | 17 22 | 8 36 | 6 23 |
| W20 | 19 54 | 24 11 | 4 55 | 23 0 | 0 52 | 21 15 | 1 58 | 12 20 | 1 0 | 23 12 | 0 15 | 1 29 | 2 26 | 23 16 | 0 10 | 14 11 | 1 49 | 20 6 | 15 56 | 8 47 | 8 55 | 17 25 | 8 37 | 6 23 |
| T 21 | 19 41 | 20 7 | 4 33 | 22 51 | 1 1 | 21 23 | 1 54 | 12 6 | 1 0 | 23 13 | 0 15 | 1 30 | 2 26 | 23 16 | 0 10 | 14 11 | 1 49 | 20 5 | 15 56 | 8 42 | 8 54 | 17 28 | 8 38 | 6 23 |
| F 22 | 19 27 | 14 58 | 3 56 | 22 40 | 1 9 | 21 30 | 1 51 | 11 52 | 0 59 | 23 14 | 0 15 | 1 32 | 2 26 | 23 15 | 0 10 | 14 11 | 1 49 | 20 4 | 15 56 | 8 39 | 8 53 | 17 31 | 8 39 | 6 23 |
| S 23 | 19 14 | 9 0 | 3 4 | 22 26 | 1 17 | 21 37 | 1 48 | 11 38 | 0 59 | 23 14 | 0 15 | 1 34 | 2 26 | 23 15 | 0 10 | 14 11 | 1 49 | 20 3 | 15 56 | 8 36 | 8 52 | 17 34 | 8 39 | 6 23 |
| S 24 | 19 0 | 2 33 | 2 1 | 22 9 | 1 23 | 21 43 | 1 45 | 11 24 | 0 58 | 23 15 | 0 15 | 1 36 | 2 26 | 23 15 | 0 10 | 14 11 | 1 49 | 20 2 | 15 55 | 8 35 | 8 50 | 17 36 | 8 40 | 6 23 |
| M25 | 18 45 | 4n 5 | 0 51 | 21 49 | 1 29 | 21 49 | 1 42 | 11 10 | 0 58 | 23 15 | 0 15 | 1 38 | 2 25 | 23 15 | 0 10 | 14 12 | 1 49 | 20 1 | 15 55 | 8 34 | 8 49 | 17 39 | 8 41 | 6 24 |
| T 26 | 18 31 | 10 34 | 0n23 | 21 28 | 1 34 | 21 54 | 1 38 | 10 55 | 0 58 | 23 16 | 0 15 | 1 40 | 2 25 | 23 15 | 0 10 | 14 12 | 1 49 | 20 0 | 15 55 | 8 34 | 8 48 | 17 42 | 8 42 | 6 24 |
| W27 | 18 16 | 16 33 | 1 37 | 21 3 | 1 38 | 21 59 | 1 35 | 10 41 | 0 57 | 23 16 | 0 15 | 1 42 | 2 25 | 23 15 | 0 10 | 14 12 | 1 49 | 19 59 | 15 54 | 8 34 | 8 47 | 17 45 | 8 43 | 6 24 |
| T 28 | 18 1 | 21 40 | 2 44 | 20 37 | 1 41 | 22 3 | 1 31 | 10 26 | 0 57 | 23 16 | 0 15 | 1 44 | 2 25 | 23 15 | 0 10 | 14 12 | 1 49 | 19 58 | 15 54 | 8 34 | 8 46 | 17 48 | 8 43 | 6 24 |
| F 29 | 17 45 | 25 32 | 3 42 | 20 8 | 1 44 | 22 6 | 1 28 | 10 12 | 0 56 | 23 17 | 0 15 | 1 46 | 2 25 | 23 15 | 0 10 | 14 12 | 1 48 | 19 57 | 15 54 | 8 33 | 8 44 | 17 51 | 8 44 | 6 24 |
| S 30 | 17 29 | 27 48 | 4 25 | 19 38 | 1 45 | 22 9 | 1 25 | 9 57 | 0 56 | 23 17 | 0 14 | 1 48 | 2 24 | 23 15 | 0 10 | 14 12 | 1 48 | 19 57 | 15 54 | 8 31 | 8 43 | 17 53 | 8 45 | 6 24 |
| S 31 | 17n13 | 28n16 | 4n53 | 19n 5 | 1n46 | 22n12 | 1s21 | 9n42 | 0n55 | 23n18 | 0s14 | 1s50 | 2n24 | 23s14 | 0s10 | 14s12 | 1n48 | 19n56 | 15n53 | 8n28 | 8n42 | 17s56 | 8s46 | 6n24 |

Julian Day Number = 2079549.5, Delta T = 25m57s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'43, Lahiri = 9°39'43 Julian Calendar 1 July 981 == Greg. Calendar 6 July 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## AUGUST 981 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 58 44 | 13♌13'13 | 20♋58 | 13♌38 | 3♋53 | 8♍ 0 | 26♊53 | 10♎14 | 18°R31 | 13♏20 | 16♍32 | 21°R25 | 22♈11 | 14♏ 4 | 20°R 8 | M 1 |
| T 2 | 21 2 40 | 14°11'03 | 4♌46 | 15°36 | 5° 2 | 8°39 | 27° 4 | 10°19 | 18♐30 | 13°20 | 16°34 | 21♈14 | 22° 7 | 14°10 | 20♒ 5 | T 2 |
| W 3 | 21 6 37 | 15° 8'56 | 18°18 | 17°34 | 6°12 | 9°17 | 27°16 | 10°24 | 18°29 | 13°21 | 16°36 | 21° 4 | 22° 4 | 14°17 | 20° 2 | W 3 |
| T 4 | 21 10 33 | 16° 6'50 | 1♍31 | 19°30 | 7°21 | 9°56 | 27°27 | 10°29 | 18°28 | 13°21 | 16°38 | 20°54 | 22° 1 | 14°24 | 19°59 | T 4 |
| F 5 | 21 14 30 | 17° 4'45 | 14°25 | 21°25 | 8°31 | 10°34 | 27°38 | 10°34 | 18°27 | 13°22 | 16°40 | 20°47 | 21°58 | 14°30 | 19°56 | F 5 |
| S 6 | 21 18 26 | 18° 2'42 | 27° 0 | 23°19 | 9°40 | 11°13 | 27°49 | 10°40 | 18°26 | 13°22 | 16°42 | 20°42 | 21°55 | 14°37 | 19°53 | S 6 |
| S 7 | 21 22 23 | 19° 0'40 | 9♎18 | 25°12 | 10°50 | 11°51 | 28° 0 | 10°45 | 18°25 | 13°23 | 16°44 | 20°39 | 21°51 | 14°44 | 19°50 | S 7 |
| M 8 | 21 26 19 | 19°58'40 | 21°22 | 27° 3 | 12° 0 | 12°30 | 28°10 | 10°50 | 18°25 | 13°23 | 16°46 | 20°D38 | 21°48 | 14°50 | 19°47 | M 8 |
| T 9 | 21 30 16 | 20°56'41 | 3♏16 | 28°54 | 13°10 | 13° 9 | 28°21 | 10°56 | 18°24 | 13°24 | 16°48 | 20°39 | 21°45 | 14°57 | 19°44 | T 9 |
| W10 | 21 34 13 | 21°54'44 | 15° 5 | 0♍42 | 14°20 | 13°47 | 28°32 | 11° 1 | 18°23 | 13°25 | 16°50 | 20°40 | 21°42 | 15° 4 | 19°41 | W10 |
| T 11 | 21 38 9 | 22°52'48 | 26°55 | 2°30 | 15°31 | 14°26 | 28°42 | 11° 7 | 18°23 | 13°25 | 16°52 | 20°R40 | 21°39 | 15°10 | 19°38 | T 11 |
| F 12 | 21 42 6 | 23°50'53 | 8♐51 | 4°17 | 16°41 | 15° 5 | 28°52 | 11°12 | 18°22 | 13°26 | 16°54 | 20°38 | 21°36 | 15°17 | 19°35 | F 12 |
| S 13 | 21 46 2 | 24°49'00 | 20°57 | 6° 2 | 17°51 | 15°44 | 29° 3 | 11°18 | 18°21 | 13°27 | 16°56 | 20°35 | 21°32 | 15°24 | 19°32 | S 13 |
| S 14 | 21 49 59 | 25°47'09 | 3♑19 | 7°46 | 19° 2 | 16°23 | 29°13 | 11°24 | 18°21 | 13°28 | 16°58 | 20°30 | 21°29 | 15°30 | 19°29 | S 14 |
| M15 | 21 53 55 | 26°45'19 | 15°59 | 9°28 | 20°13 | 17° 1 | 29°23 | 11°30 | 18°21 | 13°28 | 17° 1 | 20°22 | 21°26 | 15°37 | 19°26 | M15 |
| T 16 | 21 57 52 | 27°43'30 | 29° 0 | 11°10 | 21°23 | 17°40 | 29°33 | 11°35 | 18°20 | 13°29 | 17° 3 | 20°14 | 21°23 | 15°44 | 19°23 | T 16 |
| W17 | 22 1 48 | 28°41'44 | 12♒21 | 12°50 | 22°34 | 18°19 | 29°43 | 11°41 | 18°20 | 13°30 | 17° 5 | 20° 5 | 21°20 | 15°50 | 19°21 | W17 |
| T 18 | 22 5 45 | 29°39'59 | 26° 3 | 14°29 | 23°45 | 18°58 | 29°53 | 11°47 | 18°20 | 13°31 | 17° 7 | 19°57 | 21°17 | 15°57 | 19°18 | T 18 |
| F 19 | 22 9 42 | 0♍38'15 | 10♓ 0 | 16° 7 | 24°56 | 19°38 | 0♋ 2 | 11°53 | 18°19 | 13°32 | 17° 9 | 19°50 | 21°13 | 16° 4 | 19°15 | F 19 |
| S 20 | 22 13 38 | 1°36'34 | 24°10 | 17°44 | 26° 7 | 20°17 | 0°12 | 11°59 | 18°19 | 13°33 | 17°12 | 19°45 | 21°10 | 16°10 | 19°12 | S 20 |
| S 21 | 22 17 35 | 2°34'55 | 8♈27 | 19°20 | 27°19 | 20°56 | 0°21 | 12° 5 | 18°19 | 13°34 | 17°14 | 19°43 | 21° 7 | 16°17 | 19° 9 | S 21 |
| M22 | 22 21 31 | 3°33'17 | 22°47 | 20°54 | 28°30 | 21°35 | 0°31 | 12°12 | 18°19 | 13°35 | 17°16 | 19°D42 | 21° 4 | 16°24 | 19° 6 | M22 |
| T 23 | 22 25 28 | 4°31'42 | 7♉ 7 | 22°28 | 29°41 | 22°14 | 0°40 | 12°18 | 18°D19 | 13°36 | 17°18 | 19°43 | 21° 1 | 16°30 | 19° 3 | T 23 |
| W24 | 22 29 24 | 5°30'09 | 21°22 | 24° 0 | 0♌53 | 22°53 | 0°49 | 12°24 | 18°19 | 13°37 | 17°20 | 19°44 | 20°57 | 16°37 | 19° 1 | W24 |
| T 25 | 22 33 21 | 6°28'39 | 5♊32 | 25°31 | 2° 5 | 23°33 | 0°58 | 12°30 | 18°19 | 13°38 | 17°23 | 19°R45 | 20°54 | 16°44 | 18°58 | T 25 |
| F 26 | 22 37 17 | 7°27'10 | 19°35 | 27° 1 | 3°16 | 24°12 | 1° 7 | 12°37 | 18°19 | 13°39 | 17°25 | 19°44 | 20°51 | 16°50 | 18°55 | F 26 |
| S 27 | 22 41 14 | 8°25'44 | 3♋29 | 28°30 | 4°28 | 24°52 | 1°15 | 12°43 | 18°19 | 13°40 | 17°27 | 19°42 | 20°48 | 16°57 | 18°52 | S 27 |
| S 28 | 22 45 11 | 9°24'20 | 17°14 | 29°58 | 5°40 | 25°31 | 1°24 | 12°49 | 18°20 | 13°42 | 17°29 | 19°38 | 20°45 | 17° 4 | 18°50 | S 28 |
| M29 | 22 49 7 | 10°22'59 | 0♌47 | 1♎25 | 6°52 | 26°11 | 1°33 | 12°56 | 18°20 | 13°43 | 17°32 | 19°32 | 20°42 | 17°10 | 18°47 | M29 |
| T 30 | 22 53 4 | 11°21'39 | 14° 9 | 2°51 | 8° 4 | 26°50 | 1°41 | 13° 2 | 18°20 | 13°44 | 17°34 | 19°26 | 20°38 | 17°17 | 18°44 | T 30 |
| W31 | 22 57 0 | 12♍20'22 | 27♌16 | 4♎15 | 9♌16 | 27♍30 | 1♋49 | 13♎ 9 | 18♐21 | 13♏45 | 17♍36 | 19♈19 | 20♈35 | 17♏23 | 18♒42 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n57 | 26n54 | 5n 2 | 18n32 | 1n46 | 22n13 | 1s18 | 9n28 | 0n55 | 23n18 | 0s14 | 1s52 | 2n24 | 23s14 | 0s10 | 14s13 | 1n48 | 19n55 | 15n53 | 8n24 | 8n41 | 17s59 | 8s47 | 6n24 |
| T 2 | 16 40 | 23 56 | 4 54 | 17 56 | 1 46 | 22 14 | 1 14 | 9 13 | 0 54 | 23 18 | 0 14 | 1 54 | 2 24 | 23 14 | 0 10 | 14 13 | 1 48 | 19 54 | 15 53 | 8 20 | 8 40 | 18 2 | 8 48 | 6 24 |
| W 3 | 16 23 | 19 42 | 4 29 | 17 19 | 1 45 | 22 15 | 1 11 | 8 58 | 0 54 | 23 19 | 0 14 | 1 57 | 2 24 | 23 14 | 0 10 | 14 13 | 1 48 | 19 53 | 15 53 | 8 16 | 8 39 | 18 4 | 8 49 | 6 24 |
| T 4 | 16 6 | 14 35 | 3 51 | 16 41 | 1 44 | 22 15 | 1 7 | 8 43 | 0 53 | 23 19 | 0 14 | 1 59 | 2 23 | 23 14 | 0 10 | 14 13 | 1 48 | 19 52 | 15 53 | 8 12 | 8 37 | 18 7 | 8 50 | 6 24 |
| F 5 | 15 48 | 8 56 | 3 1 | 16 2 | 1 41 | 22 14 | 1 4 | 8 28 | 0 53 | 23 19 | 0 14 | 2 1 | 2 23 | 23 14 | 0 10 | 14 13 | 1 48 | 19 51 | 15 52 | 8 9 | 8 36 | 18 10 | 8 51 | 6 24 |
| S 6 | 15 30 | 3 4 | 2 3 | 15 22 | 1 39 | 22 13 | 1 0 | 8 12 | 0 52 | 23 19 | 0 14 | 2 3 | 2 23 | 23 14 | 0 10 | 14 13 | 1 48 | 19 50 | 15 52 | 8 7 | 8 35 | 18 13 | 8 51 | 6 24 |
| S 7 | 15 12 | 2s47 | 1 0 | 14 42 | 1 36 | 22 11 | 0 57 | 7 57 | 0 52 | 23 20 | 0 14 | 2 5 | 2 23 | 23 14 | 0 10 | 14 14 | 1 48 | 19 49 | 15 52 | 8 6 | 8 34 | 18 16 | 8 52 | 6 24 |
| M 8 | 14 54 | 8 26 | 0s 4 | 14 0 | 1 32 | 22 9 | 0 53 | 7 42 | 0 51 | 23 20 | 0 14 | 2 8 | 2 23 | 23 14 | 0 10 | 14 14 | 1 48 | 19 48 | 15 52 | 8 6 | 8 33 | 18 18 | 8 53 | 6 24 |
| T 9 | 14 36 | 13 43 | 1 7 | 13 18 | 1 28 | 22 6 | 0 50 | 7 27 | 0 51 | 23 20 | 0 14 | 2 10 | 2 22 | 23 14 | 0 10 | 14 14 | 1 48 | 19 47 | 15 52 | 8 6 | 8 31 | 18 21 | 8 54 | 6 24 |
| W10 | 14 17 | 18 29 | 2 7 | 12 35 | 1 24 | 22 2 | 0 46 | 7 11 | 0 50 | 23 20 | 0 14 | 2 12 | 2 22 | 23 14 | 0 10 | 14 14 | 1 48 | 19 46 | 15 51 | 8 7 | 8 30 | 18 24 | 8 55 | 6 24 |
| T 11 | 13 58 | 22 32 | 3 2 | 11 52 | 1 19 | 21 58 | 0 43 | 6 56 | 0 50 | 23 21 | 0 14 | 2 15 | 2 22 | 23 14 | 0 10 | 14 15 | 1 48 | 19 45 | 15 51 | 8 7 | 8 29 | 18 27 | 8 56 | 6 24 |
| F 12 | 13 39 | 25 40 | 3 49 | 11 9 | 1 14 | 21 53 | 0 39 | 6 40 | 0 49 | 23 21 | 0 13 | 2 17 | 2 22 | 23 14 | 0 10 | 14 15 | 1 48 | 19 44 | 15 51 | 8 6 | 8 28 | 18 29 | 8 57 | 6 24 |
| S 13 | 13 19 | 27 42 | 4 27 | 10 25 | 1 9 | 21 47 | 0 36 | 6 25 | 0 49 | 23 21 | 0 13 | 2 19 | 2 22 | 23 14 | 0 10 | 14 15 | 1 48 | 19 43 | 15 51 | 8 5 | 8 27 | 18 32 | 8 58 | 6 24 |
| S 14 | 13 0 | 28 25 | 4 53 | 9 41 | 1 3 | 21 41 | 0 32 | 6 9 | 0 49 | 23 21 | 0 13 | 2 22 | 2 22 | 23 14 | 0 10 | 14 16 | 1 47 | 19 42 | 15 51 | 8 3 | 8 25 | 18 35 | 8 59 | 6 23 |
| M15 | 12 40 | 27 40 | 5 5 | 8 56 | 0 57 | 21 34 | 0 29 | 5 53 | 0 48 | 23 21 | 0 13 | 2 24 | 2 21 | 23 14 | 0 10 | 14 16 | 1 47 | 19 41 | 15 51 | 8 0 | 8 24 | 18 38 | 9 0 | 6 23 |
| T 16 | 12 20 | 25 24 | 5 3 | 8 12 | 0 51 | 21 27 | 0 25 | 5 38 | 0 48 | 23 21 | 0 13 | 2 27 | 2 21 | 23 13 | 0 10 | 14 16 | 1 47 | 19 40 | 15 50 | 7 57 | 8 23 | 18 40 | 9 1 | 6 23 |
| W17 | 12 0 | 21 43 | 4 44 | 7 28 | 0 44 | 21 19 | 0 22 | 5 22 | 0 47 | 23 21 | 0 13 | 2 29 | 2 21 | 23 13 | 0 10 | 14 16 | 1 47 | 19 39 | 15 50 | 7 54 | 8 22 | 18 43 | 9 2 | 6 23 |
| T 18 | 11 39 | 16 48 | 4 8 | 6 43 | 0 38 | 21 10 | 0 18 | 5 6 | 0 47 | 23 21 | 0 13 | 2 31 | 2 21 | 23 13 | 0 10 | 14 17 | 1 47 | 19 38 | 15 50 | 7 50 | 8 21 | 18 46 | 9 3 | 6 23 |
| F 19 | 11 19 | 10 54 | 3 17 | 5 59 | 0 31 | 21 1 | 0 15 | 4 50 | 0 46 | 23 22 | 0 13 | 2 34 | 2 21 | 23 13 | 0 10 | 14 17 | 1 47 | 19 37 | 15 50 | 7 48 | 8 19 | 18 49 | 9 4 | 6 23 |
| S 20 | 10 58 | 4 22 | 2 13 | 5 15 | 0 24 | 20 51 | 0 12 | 4 34 | 0 46 | 23 22 | 0 13 | 2 36 | 2 21 | 23 13 | 0 10 | 14 17 | 1 47 | 19 36 | 15 50 | 7 46 | 8 18 | 18 51 | 9 5 | 6 23 |
| S 21 | 10 37 | 2n27 | 1 0 | 4 30 | 0 17 | 20 41 | 0 8 | 4 18 | 0 45 | 23 22 | 0 13 | 2 39 | 2 21 | 23 13 | 0 10 | 14 18 | 1 47 | 19 35 | 15 50 | 7 45 | 8 17 | 18 54 | 9 6 | 6 23 |
| M22 | 10 16 | 9 10 | 0n17 | 3 46 | 0 10 | 20 30 | 0 5 | 4 2 | 0 45 | 23 22 | 0 13 | 2 41 | 2 20 | 23 13 | 0 10 | 14 18 | 1 47 | 19 34 | 15 50 | 7 45 | 8 16 | 18 57 | 9 7 | 6 23 |
| T 23 | 9 54 | 15 25 | 1 33 | 3 3 | 0 2 | 20 18 | 0 2 | 3 46 | 0 44 | 23 22 | 0 13 | 2 44 | 2 20 | 23 13 | 0 10 | 14 19 | 1 47 | 19 33 | 15 50 | 7 45 | 8 15 | 18 59 | 9 8 | 6 23 |
| W24 | 9 33 | 20 49 | 2 43 | 2 19 | 0s 5 | 20 6 | 0n 2 | 3 30 | 0 44 | 23 22 | 0 13 | 2 47 | 2 20 | 23 13 | 0 10 | 14 19 | 1 47 | 19 32 | 15 50 | 7 46 | 8 13 | 19 2 | 9 9 | 6 22 |
| T 25 | 9 11 | 25 0 | 3 43 | 1 36 | 0 13 | 19 53 | 0 5 | 3 14 | 0 43 | 23 22 | 0 12 | 2 49 | 2 20 | 23 13 | 0 10 | 14 19 | 1 47 | 19 31 | 15 50 | 7 46 | 8 12 | 19 5 | 9 10 | 6 22 |
| F 26 | 8 49 | 27 37 | 4 28 | 0 53 | 0 21 | 19 40 | 0 8 | 2 58 | 0 43 | 23 22 | 0 12 | 2 52 | 2 20 | 23 13 | 0 10 | 14 20 | 1 47 | 19 30 | 15 50 | 7 46 | 8 11 | 19 7 | 9 11 | 6 22 |
| S 27 | 8 27 | 28 29 | 4 58 | 0 10 | 0 28 | 19 26 | 0 11 | 2 42 | 0 42 | 23 22 | 0 12 | 2 54 | 2 20 | 23 13 | 0 10 | 14 20 | 1 47 | 19 29 | 15 50 | 7 45 | 8 10 | 19 10 | 9 12 | 6 22 |
| S 28 | 8 5 | 27 34 | 5 10 | 0s32 | 0 36 | 19 12 | 0 14 | 2 26 | 0 42 | 23 22 | 0 12 | 2 57 | 2 20 | 23 13 | 0 10 | 14 20 | 1 47 | 19 28 | 15 50 | 7 43 | 8 9 | 19 13 | 9 13 | 6 22 |
| M29 | 7 43 | 25 2 | 5 4 | 1 14 | 0 44 | 18 56 | 0 17 | 2 9 | 0 41 | 23 22 | 0 12 | 3 0 | 2 20 | 23 13 | 0 10 | 14 21 | 1 47 | 19 27 | 15 50 | 7 41 | 8 7 | 19 15 | 9 14 | 6 22 |
| T 30 | 7 21 | 21 10 | 4 42 | 1 56 | 0 52 | 18 41 | 0 20 | 1 53 | 0 41 | 23 22 | 0 12 | 3 2 | 2 19 | 23 14 | 0 10 | 14 21 | 1 47 | 19 26 | 15 50 | 7 39 | 8 6 | 19 18 | 9 15 | 6 21 |
| W31 | 6n58 | 16n19 | 4n 5 | 2s37 | 1s 0 | 18n25 | 0n24 | 1n37 | 0n40 | 23n22 | 0s12 | 3s 5 | 2n19 | 23s14 | 0s10 | 14s22 | 1n46 | 19n25 | 15n50 | 7n36 | 8n 5 | 19s21 | 9s16 | 6n21 |

Julian Day Number = 2079580.5, Delta T = 25m56s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'47, Lahiri = 9°39'48 Julian Calendar 1 Aug. 981 == Greg. Calendar 6 Aug. 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## SEPTEMBER 981 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 0 57 | 13♍19'07 | 10♍10 | 5♎38 | 10♌29 | 28♍ 9 | 1♋57 | 13♎15 | 18♐21 | 13♏47 | 17♍38 | 19°R14 | 20♈32 | 17♏30 | 18°R39 | T 1 |
| F 2 | 23 4 53 | 14°17'53 | 22°48 | 7° 1 | 11°41 | 28°49 | 2° 5 | 13°22 | 18°22 | 13°48 | 17°41 | 19♈ 9 | 20°29 | 17°37 | 18♒37 | F 2 |
| S 3 | 23 8 50 | 15°16'42 | 5♎12 | 8°22 | 12°53 | 29°29 | 2°13 | 13°29 | 18°22 | 13°49 | 17°43 | 19° 7 | 20°26 | 17°43 | 18°34 | S 3 |
| S 4 | 23 12 46 | 16°15'32 | 17°22 | 9°41 | 14° 6 | 0♎ 9 | 2°21 | 13°35 | 18°23 | 13°51 | 17°45 | 19°D 6 | 20°23 | 17°50 | 18°31 | S 4 |
| M 5 | 23 16 43 | 17°14'25 | 29°22 | 10°59 | 15°18 | 0°48 | 2°28 | 13°42 | 18°24 | 13°52 | 17°48 | 19° 6 | 20°19 | 17°57 | 18°29 | M 5 |
| T 6 | 23 20 39 | 18°13'19 | 11♏14 | 12°16 | 16°31 | 1°28 | 2°36 | 13°49 | 18°24 | 13°54 | 17°50 | 19° 8 | 20°16 | 18° 3 | 18°27 | T 6 |
| W 7 | 23 24 36 | 19°12'15 | 23° 3 | 13°32 | 17°44 | 2° 8 | 2°43 | 13°55 | 18°25 | 13°55 | 17°52 | 19° 9 | 20°13 | 18°10 | 18°24 | W 7 |
| T 8 | 23 28 33 | 20°11'13 | 4♐52 | 14°46 | 18°56 | 2°48 | 2°50 | 14° 2 | 18°26 | 13°56 | 17°54 | 19°11 | 20°10 | 18°17 | 18°22 | T 8 |
| F 9 | 23 32 29 | 21°10'13 | 16°47 | 15°58 | 20° 9 | 3°28 | 2°57 | 14° 9 | 18°27 | 13°58 | 17°57 | 19°R12 | 20° 7 | 18°23 | 18°19 | F 9 |
| S 10 | 23 36 26 | 22° 9'15 | 28°52 | 17° 8 | 21°22 | 4° 8 | 3° 4 | 14°16 | 18°28 | 14° 0 | 17°59 | 19°12 | 20° 3 | 18°30 | 18°17 | S 10 |
| S 11 | 23 40 22 | 23° 8'19 | 11♑13 | 18°17 | 22°35 | 4°48 | 3°11 | 14°23 | 18°28 | 14° 1 | 18° 1 | 19°10 | 20° 0 | 18°37 | 18°15 | S 11 |
| M12 | 23 44 19 | 24° 7'24 | 23°53 | 19°24 | 23°48 | 5°28 | 3°17 | 14°30 | 18°30 | 14° 3 | 18° 4 | 19° 8 | 19°57 | 18°43 | 18°13 | M12 |
| T 13 | 23 48 15 | 25° 6'32 | 6♒56 | 20°28 | 25° 1 | 6° 9 | 3°24 | 14°37 | 18°31 | 14° 4 | 18° 6 | 19° 5 | 19°54 | 18°50 | 18°10 | T 13 |
| W14 | 23 52 12 | 26° 5'41 | 20°24 | 21°30 | 26°15 | 6°49 | 3°30 | 14°44 | 18°32 | 14° 6 | 18° 8 | 19° 1 | 19°51 | 18°57 | 18° 8 | W14 |
| T 15 | 23 56 8 | 27° 4'51 | 4♓15 | 22°30 | 27°28 | 7°29 | 3°36 | 14°51 | 18°33 | 14° 8 | 18°10 | 18°58 | 19°48 | 19° 3 | 18° 6 | T 15 |
| F 16 | 0 0 5 | 28° 4'04 | 18°29 | 23°27 | 28°41 | 8° 9 | 3°42 | 14°58 | 18°34 | 14° 9 | 18°13 | 18°56 | 19°44 | 19°10 | 18° 4 | F 16 |
| S 17 | 0 4 2 | 29° 3'19 | 3♈ 1 | 24°21 | 29°54 | 8°50 | 3°48 | 15° 5 | 18°35 | 14°11 | 18°15 | 18°54 | 19°41 | 19°17 | 18° 2 | S 17 |
| S 18 | 0 7 58 | 0♎ 2'36 | 17°43 | 25°12 | 1♍ 8 | 9°30 | 3°53 | 15°12 | 18°37 | 14°13 | 18°17 | 18°D53 | 19°38 | 19°23 | 18° 0 | S 18 |
| M19 | 0 11 55 | 1° 1'55 | 2♉30 | 26° 0 | 2°21 | 10°11 | 3°59 | 15°19 | 18°38 | 14°14 | 18°19 | 18°54 | 19°35 | 19°30 | 17°58 | M19 |
| T 20 | 0 15 51 | 2° 1'17 | 17°14 | 26°43 | 3°35 | 10°51 | 4° 4 | 15°26 | 18°39 | 14°16 | 18°22 | 18°55 | 19°32 | 19°37 | 17°56 | T 20 |
| W21 | 0 19 48 | 3° 0'41 | 1♊50 | 27°23 | 4°49 | 11°32 | 4° 9 | 15°33 | 18°41 | 14°18 | 18°24 | 18°56 | 19°29 | 19°43 | 17°55 | W21 |
| T 22 | 0 23 44 | 4° 0'07 | 16°13 | 27°57 | 6° 2 | 12°12 | 4°14 | 15°40 | 18°42 | 14°20 | 18°26 | 18°57 | 19°25 | 19°50 | 17°53 | T 22 |
| F 23 | 0 27 41 | 4°59'36 | 0♋19 | 28°27 | 7°16 | 12°53 | 4°19 | 15°47 | 18°44 | 14°22 | 18°28 | 18°R57 | 19°22 | 19°57 | 17°51 | F 23 |
| S 24 | 0 31 37 | 5°59'07 | 14° 9 | 28°51 | 8°30 | 13°34 | 4°23 | 15°54 | 18°45 | 14°23 | 18°30 | 18°57 | 19°19 | 20° 3 | 17°49 | S 24 |
| S 25 | 0 35 34 | 6°58'40 | 27°41 | 29°10 | 9°44 | 14°14 | 4°28 | 16° 2 | 18°47 | 14°25 | 18°33 | 18°57 | 19°16 | 20°10 | 17°48 | S 25 |
| M26 | 0 39 31 | 7°58'16 | 10♌57 | 29°21 | 10°58 | 14°55 | 4°32 | 16° 9 | 18°49 | 14°27 | 18°35 | 18°56 | 19°13 | 20°17 | 17°46 | M26 |
| T 27 | 0 43 27 | 8°57'54 | 23°57 | 29°R26 | 12°12 | 15°36 | 4°36 | 16°16 | 18°51 | 14°29 | 18°37 | 18°54 | 19° 9 | 20°23 | 17°45 | T 27 |
| W28 | 0 47 24 | 9°57'34 | 6♍43 | 29°23 | 13°26 | 16°17 | 4°40 | 16°23 | 18°52 | 14°31 | 18°39 | 18°53 | 19° 6 | 20°30 | 17°43 | W28 |
| T 29 | 0 51 20 | 10°57'17 | 19°15 | 29°12 | 14°40 | 16°58 | 4°44 | 16°30 | 18°54 | 14°33 | 18°41 | 18°52 | 19° 3 | 20°37 | 17°42 | T 29 |
| F 30 | 0 55 17 | 11♎57'01 | 1♎36 | 28♎52 | 15♍54 | 17♎39 | 4♋47 | 16♎37 | 18♐56 | 14♏35 | 18♍43 | 18♈51 | 19♈ 0 | 20♏43 | 17♒40 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n36 | 10n50 | 3n16 | 3s17 | 1s 7 | 18n 8 | 0n26 | 1n20 | 0n40 | 23n22 | 0s12 | 3s 7 | 2n19 | 23s14 | 0s10 | 14s22 | 1n46 | 19n24 | 15n50 | 7n34 | 8n 4 | 19s23 | 9s17 | 6n21 |
| F 2 | 6 13 | 5 0 | 2 19 | 3 57 | 1 15 | 17 51 | 0 29 | 1 4 | 0 39 | 23 22 | 0 12 | 3 10 | 2 19 | 23 14 | 0 10 | 14 23 | 1 46 | 19 24 | 15 50 | 7 32 | 8 3 | 19 26 | 9 18 | 6 21 |
| S 3 | 5 50 | 0s55 | 1 15 | 4 36 | 1 23 | 17 33 | 0 32 | 0 48 | 0 38 | 23 22 | 0 12 | 3 13 | 2 19 | 23 14 | 0 10 | 14 23 | 1 46 | 19 23 | 15 50 | 7 31 | 8 1 | 19 29 | 9 19 | 6 21 |
| S 4 | 5 27 | 6 43 | 0 9 | 5 15 | 1 31 | 17 15 | 0 35 | 0 31 | 0 38 | 23 22 | 0 12 | 3 16 | 2 19 | 23 14 | 0 10 | 14 24 | 1 46 | 19 22 | 15 50 | 7 31 | 8 0 | 19 31 | 9 20 | 6 20 |
| M 5 | 5 4 | 12 11 | 0s56 | 5 53 | 1 38 | 16 56 | 0 38 | 0 15 | 0 37 | 23 21 | 0 12 | 3 18 | 2 19 | 23 14 | 0 10 | 14 24 | 1 46 | 19 21 | 15 50 | 7 31 | 7 59 | 19 34 | 9 21 | 6 20 |
| T 6 | 4 41 | 17 10 | 1 58 | 6 30 | 1 46 | 16 37 | 0 41 | 0s 1 | 0 37 | 23 21 | 0 11 | 3 21 | 2 19 | 23 14 | 0 10 | 14 25 | 1 46 | 19 20 | 15 50 | 7 32 | 7 58 | 19 37 | 9 21 | 6 20 |
| W 7 | 4 18 | 21 28 | 2 56 | 7 6 | 1 53 | 16 17 | 0 43 | 0 18 | 0 36 | 23 21 | 0 11 | 3 24 | 2 19 | 23 14 | 0 10 | 14 25 | 1 46 | 19 19 | 15 50 | 7 32 | 7 57 | 19 39 | 9 22 | 6 20 |
| T 8 | 3 54 | 24 55 | 3 45 | 7 42 | 2 1 | 15 57 | 0 46 | 0 34 | 0 36 | 23 21 | 0 11 | 3 26 | 2 19 | 23 14 | 0 10 | 14 25 | 1 46 | 19 18 | 15 50 | 7 33 | 7 55 | 19 42 | 9 23 | 6 19 |
| F 9 | 3 31 | 27 19 | 4 26 | 8 17 | 2 8 | 15 37 | 0 48 | 0 51 | 0 35 | 23 21 | 0 11 | 3 29 | 2 18 | 23 14 | 0 10 | 14 26 | 1 46 | 19 17 | 15 50 | 7 33 | 7 54 | 19 45 | 9 24 | 6 19 |
| S 10 | 3 8 | 28 29 | 4 55 | 8 51 | 2 15 | 15 16 | 0 51 | 1 7 | 0 35 | 23 21 | 0 11 | 3 32 | 2 18 | 23 14 | 0 10 | 14 26 | 1 46 | 19 17 | 15 50 | 7 33 | 7 53 | 19 47 | 9 25 | 6 19 |
| S 11 | 2 44 | 28 16 | 5 11 | 9 24 | 2 22 | 14 54 | 0 53 | 1 24 | 0 34 | 23 21 | 0 11 | 3 35 | 2 18 | 23 14 | 0 10 | 14 27 | 1 46 | 19 16 | 15 50 | 7 33 | 7 52 | 19 50 | 9 26 | 6 19 |
| M12 | 2 21 | 26 35 | 5 13 | 9 55 | 2 29 | 14 32 | 0 56 | 1 40 | 0 34 | 23 21 | 0 11 | 3 37 | 2 18 | 23 14 | 0 10 | 14 28 | 1 46 | 19 15 | 15 50 | 7 32 | 7 51 | 19 52 | 9 27 | 6 18 |
| T 13 | 1 57 | 23 28 | 4 59 | 10 26 | 2 35 | 14 10 | 0 58 | 1 57 | 0 33 | 23 21 | 0 11 | 3 40 | 2 18 | 23 14 | 0 10 | 14 28 | 1 46 | 19 14 | 15 50 | 7 31 | 7 49 | 19 55 | 9 28 | 6 18 |
| W14 | 1 34 | 19 1 | 4 29 | 10 55 | 2 41 | 13 47 | 1 0 | 2 13 | 0 33 | 23 21 | 0 11 | 3 43 | 2 18 | 23 15 | 0 10 | 14 29 | 1 46 | 19 13 | 15 50 | 7 29 | 7 48 | 19 58 | 9 29 | 6 18 |
| T 15 | 1 10 | 13 26 | 3 42 | 11 23 | 2 47 | 13 24 | 1 2 | 2 30 | 0 32 | 23 21 | 0 11 | 3 46 | 2 18 | 23 15 | 0 10 | 14 29 | 1 46 | 19 13 | 15 50 | 7 28 | 7 47 | 20 0 | 9 30 | 6 18 |
| F 16 | 0 46 | 7 2 | 2 40 | 11 50 | 2 53 | 13 0 | 1 4 | 2 46 | 0 32 | 23 21 | 0 11 | 3 48 | 2 18 | 23 15 | 0 10 | 14 30 | 1 46 | 19 12 | 15 50 | 7 27 | 7 46 | 20 3 | 9 31 | 6 17 |
| S 17 | 0 23 | 0 7 | 1 27 | 12 15 | 2 58 | 12 36 | 1 7 | 3 3 | 0 31 | 23 21 | 0 11 | 3 51 | 2 18 | 23 15 | 0 10 | 14 30 | 1 46 | 19 11 | 15 51 | 7 27 | 7 45 | 20 5 | 9 32 | 6 17 |
| S 18 | 0s 1 | 6n54 | 0 6 | 12 38 | 3 3 | 12 12 | 1 9 | 3 19 | 0 31 | 23 21 | 0 10 | 3 54 | 2 18 | 23 15 | 0 10 | 14 31 | 1 46 | 19 10 | 15 51 | 7 26 | 7 43 | 20 8 | 9 32 | 6 17 |
| M19 | 0 25 | 13 35 | 1n15 | 13 0 | 3 7 | 11 47 | 1 10 | 3 36 | 0 30 | 23 20 | 0 10 | 3 57 | 2 18 | 23 15 | 0 10 | 14 31 | 1 46 | 19 9 | 15 51 | 7 26 | 7 42 | 20 11 | 9 33 | 6 16 |
| T 20 | 0 48 | 19 29 | 2 30 | 13 19 | 3 11 | 11 22 | 1 12 | 3 52 | 0 29 | 23 20 | 0 10 | 3 59 | 2 18 | 23 15 | 0 10 | 14 32 | 1 46 | 19 9 | 15 51 | 7 27 | 7 41 | 20 13 | 9 34 | 6 16 |
| W21 | 1 12 | 24 10 | 3 36 | 13 37 | 3 14 | 10 57 | 1 14 | 4 9 | 0 29 | 23 20 | 0 10 | 4 2 | 2 18 | 23 15 | 0 10 | 14 32 | 1 45 | 19 8 | 15 51 | 7 27 | 7 40 | 20 16 | 9 35 | 6 16 |
| T 22 | 1 36 | 27 16 | 4 27 | 13 52 | 3 17 | 10 31 | 1 16 | 4 25 | 0 28 | 23 20 | 0 10 | 4 5 | 2 18 | 23 15 | 0 10 | 14 33 | 1 45 | 19 7 | 15 51 | 7 28 | 7 39 | 20 18 | 9 36 | 6 16 |
| F 23 | 2 0 | 28 35 | 5 0 | 14 4 | 3 18 | 10 5 | 1 17 | 4 41 | 0 28 | 23 20 | 0 10 | 4 8 | 2 18 | 23 16 | 0 10 | 14 34 | 1 45 | 19 7 | 15 52 | 7 28 | 7 37 | 20 21 | 9 37 | 6 15 |
| S 24 | 2 23 | 28 3 | 5 16 | 14 14 | 3 19 | 9 39 | 1 19 | 4 58 | 0 27 | 23 20 | 0 10 | 4 11 | 2 18 | 23 16 | 0 10 | 14 34 | 1 45 | 19 6 | 15 52 | 7 28 | 7 36 | 20 23 | 9 37 | 6 15 |
| S 25 | 2 47 | 25 51 | 5 13 | 14 20 | 3 19 | 9 12 | 1 21 | 5 14 | 0 27 | 23 20 | 0 10 | 4 13 | 2 18 | 23 16 | 0 10 | 14 35 | 1 45 | 19 5 | 15 52 | 7 28 | 7 35 | 20 26 | 9 38 | 6 15 |
| M26 | 3 11 | 22 17 | 4 54 | 14 24 | 3 18 | 8 45 | 1 22 | 5 31 | 0 26 | 23 20 | 0 10 | 4 16 | 2 18 | 23 16 | 0 10 | 14 35 | 1 45 | 19 4 | 15 52 | 7 27 | 7 34 | 20 29 | 9 39 | 6 14 |
| T 27 | 3 34 | 17 41 | 4 20 | 14 23 | 3 16 | 8 18 | 1 23 | 5 47 | 0 26 | 23 20 | 0 10 | 4 19 | 2 18 | 23 16 | 0 10 | 14 36 | 1 45 | 19 4 | 15 52 | 7 27 | 7 32 | 20 31 | 9 40 | 6 14 |
| W28 | 3 58 | 12 23 | 3 33 | 14 19 | 3 13 | 7 51 | 1 25 | 6 3 | 0 25 | 23 20 | 0 10 | 4 22 | 2 17 | 23 16 | 0 10 | 14 37 | 1 45 | 19 3 | 15 53 | 7 26 | 7 31 | 20 34 | 9 41 | 6 14 |
| T 29 | 4 22 | 6 41 | 2 37 | 14 10 | 3 8 | 7 23 | 1 26 | 6 19 | 0 24 | 23 20 | 0 9 | 4 25 | 2 17 | 23 16 | 0 10 | 14 37 | 1 45 | 19 2 | 15 53 | 7 26 | 7 30 | 20 36 | 9 41 | 6 13 |
| F 30 | 4s45 | 0n48 | 1n34 | 13s57 | 3s 1 | 6n56 | 1n27 | 6s36 | 0n24 | 23n20 | 0s 9 | 4s27 | 2n17 | 23s17 | 0s10 | 14s38 | 1n45 | 19n 2 | 15n53 | 7n25 | 7n29 | 20s39 | 9s42 | 6n13 |

Julian Day Number = 2079611.5, Delta T = 25m56s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'51, Lahiri = 9°39'52 Julian Calendar 1 Sept. 981 == Greg. Calendar 6 Sept. 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## OCTOBER 981 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 59 13 | 12♎56'48 | 13♎46 | 28°R24 | 17♍ 8 | 18♎20 | 4♋50 | 16♎45 | 18♐58 | 14♏37 | 18♍46 | 18°D51 | 18♈57 | 20♏50 | 17°R39 | S 1 |
| S 2 | 1 3 10 | 13°56'36 | 25°48 | 27♎46 | 18°23 | 19° 1 | 4°54 | 16°52 | 19° 0 | 14°39 | 18°48 | 18♈51 | 18°54 | 20°57 | 17♒38 | S 2 |
| M 3 | 1 7 6 | 14°56'27 | 7♏42 | 27° 0 | 19°37 | 19°42 | 4°57 | 16°59 | 19° 2 | 14°41 | 18°50 | 18°51 | 18°50 | 21° 3 | 17°37 | M 3 |
| T 4 | 1 11 3 | 15°56'19 | 19°32 | 26° 6 | 20°51 | 20°23 | 4°59 | 17° 6 | 19° 4 | 14°43 | 18°52 | 18°51 | 18°47 | 21°10 | 17°35 | T 4 |
| W 5 | 1 15 0 | 16°56'14 | 1♐20 | 25° 4 | 22° 6 | 21° 5 | 5° 2 | 17°14 | 19° 6 | 14°45 | 18°54 | 18°52 | 18°44 | 21°17 | 17°34 | W 5 |
| T 6 | 1 18 56 | 17°56'10 | 13° 9 | 23°55 | 23°20 | 21°46 | 5° 4 | 17°21 | 19° 8 | 14°47 | 18°56 | 18°52 | 18°41 | 21°23 | 17°33 | T 6 |
| F 7 | 1 22 53 | 18°56'08 | 25° 3 | 22°42 | 24°35 | 22°27 | 5° 7 | 17°28 | 19°10 | 14°49 | 18°58 | 18°R52 | 18°38 | 21°30 | 17°32 | F 7 |
| S 8 | 1 26 49 | 19°56'08 | 7♑ 6 | 21°26 | 25°49 | 23° 9 | 5° 9 | 17°35 | 19°13 | 14°51 | 19° 0 | 18°52 | 18°34 | 21°37 | 17°31 | S 8 |
| S 9 | 1 30 46 | 20°56'09 | 19°24 | 20° 9 | 27° 4 | 23°50 | 5°10 | 17°42 | 19°15 | 14°53 | 19° 2 | 18°D52 | 18°31 | 21°43 | 17°31 | S 9 |
| M10 | 1 34 42 | 21°56'12 | 1♒59 | 18°53 | 28°18 | 24°31 | 5°12 | 17°50 | 19°17 | 14°55 | 19° 4 | 18°52 | 18°28 | 21°50 | 17°30 | M10 |
| T 11 | 1 38 39 | 22°56'17 | 14°56 | 17°42 | 29°33 | 25°13 | 5°13 | 17°57 | 19°19 | 14°57 | 19° 6 | 18°52 | 18°25 | 21°57 | 17°29 | T 11 |
| W12 | 1 42 35 | 23°56'23 | 28°19 | 16°36 | 0♎48 | 25°55 | 5°15 | 18° 4 | 19°22 | 15° 0 | 19° 8 | 18°53 | 18°22 | 22° 3 | 17°28 | W12 |
| T 13 | 1 46 32 | 24°56'31 | 12♓ 8 | 15°39 | 2° 2 | 26°36 | 5°16 | 18°11 | 19°24 | 15° 2 | 19°10 | 18°53 | 18°19 | 22°10 | 17°28 | T 13 |
| F 14 | 1 50 29 | 25°56'41 | 26°24 | 14°52 | 3°17 | 27°18 | 5°17 | 18°19 | 19°27 | 15° 4 | 19°12 | 18°54 | 18°15 | 22°17 | 17°27 | F 14 |
| S 15 | 1 54 25 | 26°56'52 | 11♈ 4 | 14°15 | 4°32 | 27°59 | 5°17 | 18°26 | 19°29 | 15° 6 | 19°14 | 18°54 | 18°12 | 22°23 | 17°27 | S 15 |
| S 16 | 1 58 22 | 27°57'05 | 26° 2 | 13°50 | 5°47 | 28°41 | 5°18 | 18°33 | 19°32 | 15° 8 | 19°16 | 18°R54 | 18° 9 | 22°30 | 17°26 | S 16 |
| M17 | 2 2 18 | 28°57'19 | 11♉ 9 | 13°37 | 7° 1 | 29°23 | 5°18 | 18°40 | 19°34 | 15°10 | 19°18 | 18°54 | 18° 6 | 22°37 | 17°26 | M17 |
| T 18 | 2 6 15 | 29°57'36 | 26°17 | 13°D35 | 8°16 | 0♏ 5 | 5°R18 | 18°47 | 19°37 | 15°13 | 19°19 | 18°53 | 18° 3 | 22°43 | 17°25 | T 18 |
| W19 | 2 10 11 | 0♏57'55 | 11♊17 | 13°44 | 9°31 | 0°47 | 5°18 | 18°54 | 19°40 | 15°15 | 19°21 | 18°51 | 18° 0 | 22°50 | 17°25 | W19 |
| T 20 | 2 14 8 | 1°58'15 | 26° 0 | 14° 4 | 10°46 | 1°29 | 5°17 | 19° 1 | 19°42 | 15°17 | 19°23 | 18°50 | 17°56 | 22°57 | 17°25 | T 20 |
| F 21 | 2 18 4 | 2°58'38 | 10♋21 | 14°33 | 12° 1 | 2°11 | 5°17 | 19° 9 | 19°45 | 15°19 | 19°25 | 18°48 | 17°53 | 23° 3 | 17°25 | F 21 |
| S 22 | 2 22 1 | 3°59'03 | 24°18 | 15°11 | 13°16 | 2°53 | 5°16 | 19°16 | 19°48 | 15°21 | 19°27 | 18°47 | 17°50 | 23°10 | 17°25 | S 22 |
| S 23 | 2 25 58 | 4°59'29 | 7♌50 | 15°57 | 14°31 | 3°35 | 5°15 | 19°23 | 19°51 | 15°24 | 19°28 | 18°D47 | 17°47 | 23°17 | 17°D25 | S 23 |
| M24 | 2 29 54 | 5°59'58 | 20°58 | 16°50 | 15°46 | 4°17 | 5°14 | 19°30 | 19°53 | 15°26 | 19°30 | 18°48 | 17°44 | 23°23 | 17°25 | M24 |
| T 25 | 2 33 51 | 7° 0'28 | 3♍46 | 17°49 | 17° 1 | 4°59 | 5°13 | 19°37 | 19°56 | 15°28 | 19°32 | 18°49 | 17°40 | 23°30 | 17°25 | T 25 |
| W26 | 2 37 47 | 8° 1'01 | 16°17 | 18°53 | 18°16 | 5°41 | 5°11 | 19°44 | 19°59 | 15°30 | 19°34 | 18°50 | 17°37 | 23°37 | 17°25 | W26 |
| T 27 | 2 41 44 | 9° 1'35 | 28°34 | 20° 2 | 19°32 | 6°24 | 5° 9 | 19°51 | 20° 2 | 15°33 | 19°35 | 18°52 | 17°34 | 23°43 | 17°25 | T 27 |
| F 28 | 2 45 40 | 10° 2'10 | 10♎40 | 21°15 | 20°47 | 7° 6 | 5° 8 | 19°58 | 20° 5 | 15°35 | 19°37 | 18°53 | 17°31 | 23°50 | 17°25 | F 28 |
| S 29 | 2 49 37 | 11° 2'48 | 22°39 | 22°31 | 22° 2 | 7°48 | 5° 5 | 20° 5 | 20° 8 | 15°37 | 19°38 | 18°R53 | 17°28 | 23°57 | 17°26 | S 29 |
| S 30 | 2 53 33 | 12° 3'27 | 4♏32 | 23°50 | 23°17 | 8°31 | 5° 3 | 20°11 | 20°11 | 15°39 | 19°40 | 18°52 | 17°25 | 24° 3 | 17°26 | S 30 |
| M31 | 2 57 30 | 13♏ 4'07 | 16♏22 | 25♎12 | 24♎32 | 9♏13 | 5♋ 0 | 20♎18 | 20♐14 | 15♏42 | 19♍42 | 18♈50 | 17♈21 | 24♏10 | 17♒27 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 8 | 5s 2 | 0n28 | 13s39 | 2s53 | 6n27 | 1n28 | 6s52 | 0n23 | 23n20 | 0s 9 | 4s30 | 2n17 | 23s17 | 0s10 | 14s38 | 1n45 | 19n 1 | 15n53 | 7n25 | 7n28 | 20s41 | 9s43 | 6n13 |
| S 2 | 5 32 | 10 37 | 0s38 | 13 16 | 2 43 | 5 59 | 1 29 | 7 8 | 0 23 | 23 20 | 0 9 | 4 33 | 2 17 | 23 17 | 0 10 | 14 39 | 1 45 | 19 1 | 15 54 | 7 25 | 7 26 | 20 44 | 9 43 | 6 12 |
| M 3 | 5 55 | 15 47 | 1 43 | 12 49 | 2 31 | 5 31 | 1 30 | 7 24 | 0 22 | 23 20 | 0 9 | 4 36 | 2 17 | 23 17 | 0 10 | 14 40 | 1 45 | 19 0 | 15 54 | 7 25 | 7 25 | 20 46 | 9 44 | 6 12 |
| T 4 | 6 18 | 20 19 | 2 42 | 12 16 | 2 18 | 5 2 | 1 31 | 7 40 | 0 22 | 23 20 | 0 9 | 4 38 | 2 17 | 23 17 | 0 10 | 14 40 | 1 45 | 18 59 | 15 54 | 7 26 | 7 24 | 20 49 | 9 45 | 6 11 |
| W 5 | 6 41 | 24 3 | 3 35 | 11 39 | 2 3 | 4 33 | 1 32 | 7 57 | 0 21 | 23 20 | 0 9 | 4 41 | 2 17 | 23 17 | 0 10 | 14 41 | 1 45 | 18 59 | 15 54 | 7 26 | 7 23 | 20 51 | 9 45 | 6 11 |
| T 6 | 7 4 | 26 46 | 4 18 | 10 58 | 1 46 | 4 4 | 1 32 | 8 13 | 0 21 | 23 20 | 0 9 | 4 44 | 2 17 | 23 18 | 0 10 | 14 41 | 1 45 | 18 58 | 15 55 | 7 26 | 7 22 | 20 54 | 9 46 | 6 11 |
| F 7 | 7 27 | 28 19 | 4 51 | 10 14 | 1 27 | 3 35 | 1 33 | 8 29 | 0 20 | 23 20 | 0 9 | 4 47 | 2 17 | 23 18 | 0 10 | 14 42 | 1 45 | 18 58 | 15 55 | 7 26 | 7 20 | 20 56 | 9 47 | 6 10 |
| S 8 | 7 50 | 28 33 | 5 11 | 9 27 | 1 8 | 3 6 | 1 33 | 8 45 | 0 19 | 23 20 | 0 9 | 4 50 | 2 17 | 23 18 | 0 10 | 14 43 | 1 45 | 18 57 | 15 55 | 7 26 | 7 19 | 20 59 | 9 47 | 6 10 |
| S 9 | 8 13 | 27 24 | 5 18 | 8 39 | 0 47 | 2 37 | 1 34 | 9 1 | 0 19 | 23 20 | 0 8 | 4 52 | 2 17 | 23 18 | 0 10 | 14 43 | 1 45 | 18 57 | 15 55 | 7 26 | 7 18 | 21 1 | 9 48 | 6 10 |
| M10 | 8 36 | 24 51 | 5 9 | 7 51 | 0 27 | 2 7 | 1 34 | 9 16 | 0 18 | 23 20 | 0 8 | 4 55 | 2 17 | 23 18 | 0 10 | 14 44 | 1 45 | 18 56 | 15 56 | 7 26 | 7 17 | 21 4 | 9 49 | 6 9 |
| T 11 | 8 58 | 20 59 | 4 45 | 7 4 | 0 6 | 1 38 | 1 35 | 9 32 | 0 18 | 23 20 | 0 8 | 4 58 | 2 17 | 23 19 | 0 10 | 14 45 | 1 45 | 18 56 | 15 56 | 7 26 | 7 15 | 21 6 | 9 49 | 6 9 |
| W12 | 9 20 | 15 58 | 4 6 | 6 21 | 0n14 | 1 8 | 1 35 | 9 48 | 0 17 | 23 20 | 0 8 | 5 0 | 2 17 | 23 19 | 0 10 | 14 45 | 1 45 | 18 55 | 15 56 | 7 26 | 7 14 | 21 9 | 9 50 | 6 9 |
| T 13 | 9 43 | 9 59 | 3 10 | 5 41 | 0 33 | 0 38 | 1 35 | 10 4 | 0 17 | 23 20 | 0 8 | 5 3 | 2 18 | 23 19 | 0 10 | 14 46 | 1 45 | 18 55 | 15 57 | 7 26 | 7 13 | 21 11 | 9 50 | 6 8 |
| F 14 | 10 5 | 3 18 | 2 2 | 5 6 | 0 51 | 0 9 | 1 35 | 10 19 | 0 16 | 23 20 | 0 8 | 5 6 | 2 18 | 23 19 | 0 10 | 14 47 | 1 45 | 18 54 | 15 57 | 7 26 | 7 12 | 21 14 | 9 51 | 6 8 |
| S 15 | 10 27 | 3n44 | 0 43 | 4 37 | 1 8 | 0s21 | 1 35 | 10 35 | 0 15 | 23 20 | 0 8 | 5 9 | 2 18 | 23 19 | 0 10 | 14 47 | 1 45 | 18 54 | 15 57 | 7 27 | 7 11 | 21 16 | 9 51 | 6 7 |
| S 16 | 10 48 | 10 43 | 0n39 | 4 13 | 1 22 | 0 51 | 1 35 | 10 50 | 0 15 | 23 20 | 0 8 | 5 11 | 2 18 | 23 20 | 0 10 | 14 48 | 1 45 | 18 53 | 15 58 | 7 27 | 7 9 | 21 19 | 9 52 | 6 7 |
| M17 | 11 10 | 17 10 | 2 0 | 3 56 | 1 35 | 1 21 | 1 35 | 11 6 | 0 14 | 23 20 | 0 8 | 5 14 | 2 18 | 23 20 | 0 10 | 14 49 | 1 45 | 18 53 | 15 58 | 7 26 | 7 8 | 21 21 | 9 52 | 6 7 |
| T 18 | 11 31 | 22 33 | 3 13 | 3 46 | 1 46 | 1 51 | 1 35 | 11 21 | 0 14 | 23 20 | 0 8 | 5 17 | 2 18 | 23 20 | 0 10 | 14 49 | 1 45 | 18 52 | 15 59 | 7 26 | 7 7 | 21 23 | 9 53 | 6 6 |
| W19 | 11 52 | 26 24 | 4 11 | 3 41 | 1 56 | 2 21 | 1 35 | 11 36 | 0 13 | 23 21 | 0 7 | 5 19 | 2 18 | 23 20 | 0 10 | 14 50 | 1 45 | 18 52 | 15 59 | 7 25 | 7 6 | 21 26 | 9 53 | 6 6 |
| T 20 | 12 14 | 28 23 | 4 52 | 3 41 | 2 3 | 2 50 | 1 34 | 11 52 | 0 12 | 23 21 | 0 7 | 5 22 | 2 18 | 23 20 | 0 10 | 14 51 | 1 45 | 18 52 | 15 59 | 7 25 | 7 5 | 21 28 | 9 54 | 6 5 |
| F 21 | 12 34 | 28 22 | 5 13 | 3 47 | 2 9 | 3 20 | 1 34 | 12 7 | 0 12 | 23 21 | 0 7 | 5 25 | 2 18 | 23 21 | 0 10 | 14 51 | 1 45 | 18 51 | 16 0 | 7 24 | 7 3 | 21 31 | 9 54 | 6 5 |
| S 22 | 12 55 | 26 33 | 5 15 | 3 58 | 2 13 | 3 50 | 1 33 | 12 22 | 0 11 | 23 21 | 0 7 | 5 27 | 2 18 | 23 21 | 0 10 | 14 52 | 1 45 | 18 51 | 16 0 | 7 24 | 7 2 | 21 33 | 9 54 | 6 5 |
| S 23 | 13 15 | 23 14 | 4 59 | 4 13 | 2 16 | 4 20 | 1 33 | 12 37 | 0 11 | 23 21 | 0 7 | 5 30 | 2 18 | 23 21 | 0 10 | 14 53 | 1 45 | 18 51 | 16 0 | 7 24 | 7 1 | 21 36 | 9 55 | 6 4 |
| M24 | 13 36 | 18 49 | 4 28 | 4 32 | 2 18 | 4 49 | 1 32 | 12 52 | 0 10 | 23 21 | 0 7 | 5 33 | 2 18 | 23 21 | 0 10 | 14 53 | 1 45 | 18 50 | 16 1 | 7 24 | 7 0 | 21 38 | 9 55 | 6 4 |
| T 25 | 13 56 | 13 39 | 3 44 | 4 54 | 2 19 | 5 19 | 1 32 | 13 6 | 0 9 | 23 21 | 0 7 | 5 35 | 2 18 | 23 21 | 0 10 | 14 54 | 1 45 | 18 50 | 16 1 | 7 25 | 6 58 | 21 40 | 9 56 | 6 4 |
| W26 | 14 16 | 8 3 | 2 51 | 5 19 | 2 18 | 5 48 | 1 31 | 13 21 | 0 9 | 23 22 | 0 7 | 5 38 | 2 18 | 23 22 | 0 10 | 14 54 | 1 45 | 18 50 | 16 2 | 7 25 | 6 57 | 21 43 | 9 56 | 6 3 |
| T 27 | 14 35 | 2 15 | 1 50 | 5 46 | 2 17 | 6 18 | 1 30 | 13 36 | 0 8 | 23 22 | 0 7 | 5 40 | 2 18 | 23 22 | 0 10 | 14 55 | 1 45 | 18 49 | 16 2 | 7 26 | 6 56 | 21 45 | 9 56 | 6 3 |
| F 28 | 14 54 | 3s33 | 0 45 | 6 15 | 2 15 | 6 47 | 1 29 | 13 50 | 0 8 | 23 22 | 0 6 | 5 43 | 2 18 | 23 22 | 0 10 | 14 56 | 1 45 | 18 49 | 16 3 | 7 26 | 6 55 | 21 47 | 9 57 | 6 2 |
| S 29 | 15 14 | 9 11 | 0s21 | 6 47 | 2 12 | 7 16 | 1 28 | 14 5 | 0 7 | 23 22 | 0 6 | 5 45 | 2 18 | 23 22 | 0 10 | 14 56 | 1 45 | 18 49 | 16 3 | 7 26 | 6 54 | 21 50 | 9 57 | 6 2 |
| S 30 | 15 32 | 14 26 | 1 25 | 7 19 | 2 8 | 7 45 | 1 27 | 14 19 | 0 6 | 23 22 | 0 6 | 5 48 | 2 18 | 23 23 | 0 10 | 14 57 | 1 45 | 18 49 | 16 3 | 7 26 | 6 52 | 21 52 | 9 57 | 6 2 |
| M31 | 15s51 | 19s 9 | 2s26 | 7s53 | 2n 4 | 8s14 | 1n26 | 14s33 | 0n 6 | 23n23 | 0s 6 | 5s50 | 2n18 | 23s23 | 0s10 | 14s58 | 1n45 | 18n49 | 16n 4 | 7n25 | 6n51 | 21s55 | 9s57 | 6n 1 |

Julian Day Number = 2079641.5, Delta T = 25m56s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°32'55, Lahiri = 9°39'56 Julian Calendar 1 Oct. 981 == Greg. Calendar 6 Oct. 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## NOVEMBER 981 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 1 27 | 14♏ 4'50 | 28♏11 | 26♎36 | 25♎48 | 9♏56 | 4°R58 | 20♎25 | 20♐17 | 15♏44 | 19♍43 | 18°R46 | 17♈18 | 24♏17 | 17♒27 | T 1 |
| W 2 | 3 5 23 | 15° 5'33 | 10♐ 0 | 28° 1 | 27° 3 | 10°39 | 4♋55 | 20°32 | 20°20 | 15°46 | 19°45 | 18♈42 | 17°15 | 24°24 | 17°28 | W 2 |
| T 3 | 3 9 20 | 16° 6'18 | 21°53 | 29°28 | 28°18 | 11°21 | 4°52 | 20°39 | 20°23 | 15°48 | 19°46 | 18°37 | 17°12 | 24°30 | 17°28 | T 3 |
| F 4 | 3 13 16 | 17° 7'04 | 3♑50 | 0♏56 | 29°33 | 12° 4 | 4°48 | 20°46 | 20°26 | 15°51 | 19°48 | 18°32 | 17° 9 | 24°37 | 17°29 | F 4 |
| S 5 | 3 17 13 | 18° 7'51 | 15°55 | 2°25 | 0♏49 | 12°47 | 4°45 | 20°52 | 20°30 | 15°53 | 19°49 | 18°27 | 17° 6 | 24°44 | 17°30 | S 5 |
| S 6 | 3 21 9 | 19° 8'40 | 28°12 | 3°55 | 2° 4 | 13°29 | 4°41 | 20°59 | 20°33 | 15°55 | 19°50 | 18°24 | 17° 2 | 24°50 | 17°31 | S 6 |
| M 7 | 3 25 6 | 20° 9'29 | 10♒43 | 5°26 | 3°19 | 14°12 | 4°37 | 21° 6 | 20°36 | 15°57 | 19°52 | 18°22 | 16°59 | 24°57 | 17°31 | M 7 |
| T 8 | 3 29 2 | 21°10'19 | 23°33 | 6°57 | 4°35 | 14°55 | 4°33 | 21°12 | 20°39 | 16° 0 | 19°53 | 18°D22 | 16°56 | 25° 4 | 17°32 | T 8 |
| W 9 | 3 32 59 | 22°11'10 | 6♓45 | 8°28 | 5°50 | 15°38 | 4°29 | 21°19 | 20°42 | 16° 2 | 19°54 | 18°22 | 16°53 | 25°10 | 17°33 | W 9 |
| T 10 | 3 36 56 | 23°12'02 | 20°23 | 10° 0 | 7° 5 | 16°21 | 4°25 | 21°25 | 20°46 | 16° 4 | 19°56 | 18°24 | 16°50 | 25°17 | 17°35 | T 10 |
| F 11 | 3 40 52 | 24°12'55 | 4♈28 | 11°33 | 8°21 | 17° 4 | 4°20 | 21°32 | 20°49 | 16° 6 | 19°57 | 18°25 | 16°46 | 25°24 | 17°36 | F 11 |
| S 12 | 3 44 49 | 25°13'49 | 18°59 | 13° 5 | 9°36 | 17°47 | 4°15 | 21°38 | 20°52 | 16° 9 | 19°58 | 18°R26 | 16°43 | 25°30 | 17°37 | S 12 |
| S 13 | 3 48 45 | 26°14'44 | 3♉54 | 14°38 | 10°51 | 18°30 | 4°10 | 21°45 | 20°56 | 16°11 | 19°59 | 18°25 | 16°40 | 25°37 | 17°38 | S 13 |
| M14 | 3 52 42 | 27°15'40 | 19° 5 | 16°11 | 12° 7 | 19°13 | 4° 5 | 21°51 | 20°59 | 16°13 | 20° 0 | 18°22 | 16°37 | 25°44 | 17°39 | M14 |
| T 15 | 3 56 38 | 28°16'36 | 4♊24 | 17°44 | 13°22 | 19°57 | 4° 0 | 21°57 | 21° 2 | 16°15 | 20° 2 | 18°18 | 16°34 | 25°50 | 17°41 | T 15 |
| W16 | 4 0 35 | 29°17'34 | 19°39 | 19°17 | 14°38 | 20°40 | 3°54 | 22° 3 | 21° 6 | 16°18 | 20° 3 | 18°12 | 16°31 | 25°57 | 17°42 | W16 |
| T 17 | 4 4 31 | 0♐18'33 | 4♋40 | 20°50 | 15°53 | 21°23 | 3°49 | 22°10 | 21° 9 | 16°20 | 20° 4 | 18° 5 | 16°27 | 26° 4 | 17°44 | T 17 |
| F 18 | 4 8 28 | 1°19'33 | 19°18 | 22°23 | 17° 8 | 22° 6 | 3°43 | 22°16 | 21°13 | 16°22 | 20° 5 | 17°59 | 16°24 | 26°10 | 17°45 | F 18 |
| S 19 | 4 12 25 | 2°20'35 | 3♌28 | 23°56 | 18°24 | 22°50 | 3°37 | 22°22 | 21°16 | 16°24 | 20° 6 | 17°54 | 16°21 | 26°17 | 17°47 | S 19 |
| S 20 | 4 16 21 | 3°21'37 | 17° 9 | 25°30 | 19°39 | 23°33 | 3°31 | 22°28 | 21°20 | 16°26 | 20° 7 | 17°50 | 16°18 | 26°24 | 17°48 | S 20 |
| M21 | 4 20 18 | 4°22'40 | 0♍21 | 27° 3 | 20°55 | 24°17 | 3°25 | 22°34 | 21°23 | 16°29 | 20° 8 | 17°D49 | 16°15 | 26°30 | 17°50 | M21 |
| T 22 | 4 24 14 | 5°23'45 | 13° 8 | 28°37 | 22°10 | 25° 0 | 3°19 | 22°40 | 21°27 | 16°31 | 20° 9 | 17°49 | 16°12 | 26°37 | 17°52 | T 22 |
| W23 | 4 28 11 | 6°24'50 | 25°34 | 0♐10 | 23°26 | 25°44 | 3°12 | 22°46 | 21°30 | 16°33 | 20° 9 | 17°50 | 16° 8 | 26°44 | 17°54 | W23 |
| T 24 | 4 32 7 | 7°25'56 | 7♎44 | 1°44 | 24°41 | 26°28 | 3° 6 | 22°52 | 21°34 | 16°35 | 20°10 | 17°51 | 16° 5 | 26°50 | 17°55 | T 24 |
| F 25 | 4 36 4 | 8°27'04 | 19°42 | 3°18 | 25°57 | 27°11 | 2°59 | 22°58 | 21°37 | 16°37 | 20°11 | 17°R52 | 16° 2 | 26°57 | 17°57 | F 25 |
| S 26 | 4 40 0 | 9°28'12 | 1♏34 | 4°52 | 27°12 | 27°55 | 2°52 | 23° 3 | 21°41 | 16°39 | 20°12 | 17°51 | 15°59 | 27° 4 | 17°59 | S 26 |
| S 27 | 4 43 57 | 10°29'21 | 13°22 | 6°26 | 28°28 | 28°39 | 2°45 | 23° 9 | 21°44 | 16°41 | 20°13 | 17°47 | 15°56 | 27°10 | 18° 1 | S 27 |
| M28 | 4 47 54 | 11°30'30 | 25°10 | 8° 0 | 29°43 | 29°23 | 2°38 | 23°15 | 21°48 | 16°44 | 20°13 | 17°41 | 15°52 | 27°17 | 18° 3 | M28 |
| T 29 | 4 51 50 | 12°31'41 | 7♐ 0 | 9°34 | 0♐59 | 0♐ 6 | 2°31 | 23°20 | 21°51 | 16°46 | 20°14 | 17°32 | 15°49 | 27°24 | 18° 6 | T 29 |
| W30 | 4 55 47 | 13♐32'52 | 18♐54 | 11♐ 9 | 2♐14 | 0♐50 | 2♋24 | 23♎26 | 21♐55 | 16♏48 | 20♍15 | 17♈22 | 15♈46 | 27♏30 | 18♒ 8 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s 9 | 23s 6 | 3s19 | 8s28 | 1n59 | 8s42 | 1n25 | 14s48 | 0n 5 | 23n23 | 0s 6 | 5s53 | 2n19 | 23s23 | 0s10 | 14s58 | 1n45 | 18n48 | 16n 4 | 7n24 | 6n50 | 21s57 | 9s57 | 6n 1 |
| W 2 | 16 27 | 26 7 | 4 5 | 9 3 | 1 54 | 9 10 | 1 24 | 15 2 | 0 5 | 23 23 | 0 6 | 5 55 | 2 19 | 23 23 | 0 10 | 14 59 | 1 45 | 18 48 | 16 5 | 7 22 | 6 49 | 21 59 | 9 58 | 6 0 |
| T 3 | 16 45 | 27 58 | 4 40 | 9 39 | 1 49 | 9 39 | 1 23 | 15 15 | 0 4 | 23 23 | 0 6 | 5 58 | 2 19 | 23 23 | 0 10 | 15 0 | 1 45 | 18 48 | 16 5 | 7 20 | 6 47 | 22 2 | 9 58 | 6 0 |
| F 4 | 17 2 | 28 34 | 5 3 | 10 15 | 1 43 | 10 7 | 1 21 | 15 29 | 0 3 | 23 24 | 0 6 | 6 0 | 2 19 | 23 24 | 0 10 | 15 0 | 1 45 | 18 48 | 16 6 | 7 18 | 6 46 | 22 4 | 9 58 | 6 0 |
| S 5 | 17 20 | 27 47 | 5 12 | 10 52 | 1 37 | 10 34 | 1 20 | 15 43 | 0 3 | 23 24 | 0 5 | 6 3 | 2 19 | 23 24 | 0 10 | 15 1 | 1 45 | 18 48 | 16 6 | 7 16 | 6 45 | 22 6 | 9 58 | 5 59 |
| S 6 | 17 36 | 25 40 | 5 8 | 11 28 | 1 31 | 11 2 | 1 18 | 15 57 | 0 2 | 23 24 | 0 5 | 6 5 | 2 19 | 23 24 | 0 10 | 15 2 | 1 45 | 18 48 | 16 7 | 7 15 | 6 44 | 22 9 | 9 58 | 5 59 |
| M 7 | 17 53 | 22 17 | 4 49 | 12 5 | 1 25 | 11 29 | 1 17 | 16 10 | 0 2 | 23 24 | 0 5 | 6 8 | 2 19 | 23 24 | 0 10 | 15 2 | 1 45 | 18 47 | 16 7 | 7 14 | 6 43 | 22 11 | 9 58 | 5 58 |
| T 8 | 18 9 | 17 46 | 4 16 | 12 41 | 1 18 | 11 56 | 1 15 | 16 23 | 0 1 | 23 25 | 0 5 | 6 10 | 2 19 | 23 25 | 0 10 | 15 3 | 1 45 | 18 47 | 16 8 | 7 14 | 6 41 | 22 13 | 9 58 | 5 58 |
| W 9 | 18 25 | 12 18 | 3 28 | 13 17 | 1 11 | 12 23 | 1 14 | 16 36 | 0 0 | 23 25 | 0 5 | 6 12 | 2 19 | 23 25 | 0 10 | 15 4 | 1 45 | 18 47 | 16 8 | 7 15 | 6 40 | 22 16 | 9 59 | 5 58 |
| T 10 | 18 41 | 6 5 | 2 27 | 13 53 | 1 4 | 12 49 | 1 12 | 16 50 | 0s 0 | 23 25 | 0 5 | 6 15 | 2 19 | 23 25 | 0 10 | 15 4 | 1 45 | 18 47 | 16 9 | 7 15 | 6 39 | 22 18 | 9 59 | 5 57 |
| F 11 | 18 56 | 0n38 | 1 15 | 14 28 | 0 58 | 13 15 | 1 11 | 17 2 | 0 1 | 23 25 | 0 5 | 6 17 | 2 20 | 23 25 | 0 10 | 15 5 | 1 45 | 18 47 | 16 9 | 7 16 | 6 38 | 22 20 | 9 59 | 5 57 |
| S 12 | 19 11 | 7 31 | 0n 3 | 15 3 | 0 51 | 13 41 | 1 9 | 17 15 | 0 2 | 23 26 | 0 5 | 6 19 | 2 20 | 23 26 | 0 10 | 15 6 | 1 45 | 18 47 | 16 10 | 7 16 | 6 36 | 22 23 | 9 59 | 5 57 |
| S 13 | 19 25 | 14 12 | 1 23 | 15 37 | 0 44 | 14 6 | 1 7 | 17 28 | 0 2 | 23 26 | 0 4 | 6 22 | 2 20 | 23 26 | 0 10 | 15 6 | 1 45 | 18 47 | 16 10 | 7 16 | 6 35 | 22 25 | 9 59 | 5 56 |
| M14 | 19 39 | 20 8 | 2 39 | 16 11 | 0 37 | 14 31 | 1 5 | 17 40 | 0 3 | 23 26 | 0 4 | 6 24 | 2 20 | 23 26 | 0 10 | 15 7 | 1 45 | 18 47 | 16 11 | 7 14 | 6 34 | 22 27 | 9 59 | 5 56 |
| T 15 | 19 53 | 24 48 | 3 44 | 16 44 | 0 30 | 14 56 | 1 3 | 17 53 | 0 3 | 23 27 | 0 4 | 6 26 | 2 20 | 23 26 | 0 10 | 15 7 | 1 45 | 18 47 | 16 11 | 7 13 | 6 33 | 22 29 | 9 59 | 5 55 |
| W16 | 20 7 | 27 41 | 4 32 | 17 17 | 0 23 | 15 20 | 1 2 | 18 5 | 0 4 | 23 27 | 0 4 | 6 28 | 2 20 | 23 27 | 0 10 | 15 8 | 1 45 | 18 47 | 16 12 | 7 10 | 6 32 | 22 32 | 9 58 | 5 55 |
| T 17 | 20 20 | 28 30 | 5 1 | 17 49 | 0 16 | 15 44 | 1 0 | 18 17 | 0 5 | 23 27 | 0 4 | 6 30 | 2 20 | 23 27 | 0 10 | 15 9 | 1 45 | 18 47 | 16 12 | 7 8 | 6 30 | 22 34 | 9 58 | 5 55 |
| F 18 | 20 32 | 27 16 | 5 9 | 18 20 | 0 9 | 16 8 | 0 58 | 18 29 | 0 5 | 23 27 | 0 4 | 6 33 | 2 20 | 23 27 | 0 10 | 15 9 | 1 45 | 18 47 | 16 13 | 7 5 | 6 29 | 22 36 | 9 58 | 5 54 |
| S 19 | 20 45 | 24 19 | 4 58 | 18 50 | 0 2 | 16 31 | 0 56 | 18 41 | 0 6 | 23 28 | 0 4 | 6 35 | 2 21 | 23 27 | 0 10 | 15 10 | 1 45 | 18 47 | 16 13 | 7 3 | 6 28 | 22 39 | 9 58 | 5 54 |
| S 20 | 20 57 | 20 4 | 4 30 | 19 19 | 0s 5 | 16 53 | 0 54 | 18 52 | 0 7 | 23 28 | 0 3 | 6 37 | 2 21 | 23 27 | 0 10 | 15 11 | 1 45 | 18 48 | 16 14 | 7 2 | 6 27 | 22 41 | 9 58 | 5 54 |
| M21 | 21 8 | 14 58 | 3 48 | 19 48 | 0 12 | 17 15 | 0 51 | 19 4 | 0 7 | 23 28 | 0 3 | 6 39 | 2 21 | 23 28 | 0 10 | 15 11 | 1 45 | 18 48 | 16 15 | 7 2 | 6 25 | 22 43 | 9 58 | 5 53 |
| T 22 | 21 19 | 9 23 | 2 56 | 20 16 | 0 18 | 17 37 | 0 49 | 19 15 | 0 8 | 23 29 | 0 3 | 6 41 | 2 21 | 23 28 | 0 10 | 15 12 | 1 45 | 18 48 | 16 15 | 7 2 | 6 24 | 22 45 | 9 58 | 5 53 |
| W23 | 21 30 | 3 34 | 1 58 | 20 42 | 0 25 | 17 58 | 0 47 | 19 26 | 0 8 | 23 29 | 0 3 | 6 43 | 2 21 | 23 28 | 0 10 | 15 12 | 1 45 | 18 48 | 16 16 | 7 2 | 6 23 | 22 48 | 9 57 | 5 53 |
| T 24 | 21 40 | 2s15 | 0 54 | 21 8 | 0 31 | 18 19 | 0 45 | 19 37 | 0 9 | 23 29 | 0 3 | 6 45 | 2 21 | 23 28 | 0 10 | 15 13 | 1 45 | 18 48 | 16 16 | 7 3 | 6 22 | 22 50 | 9 57 | 5 52 |
| F 25 | 21 50 | 7 54 | 0s10 | 21 33 | 0 38 | 18 39 | 0 43 | 19 48 | 0 10 | 23 30 | 0 3 | 6 47 | 2 21 | 23 29 | 0 10 | 15 14 | 1 45 | 18 48 | 16 17 | 7 3 | 6 20 | 22 52 | 9 57 | 5 52 |
| S 26 | 22 0 | 13 13 | 1 13 | 21 57 | 0 44 | 18 59 | 0 41 | 19 58 | 0 10 | 23 30 | 0 3 | 6 49 | 2 22 | 23 29 | 0 10 | 15 14 | 1 45 | 18 49 | 16 17 | 7 2 | 6 19 | 22 54 | 9 57 | 5 51 |
| S 27 | 22 9 | 18 3 | 2 13 | 22 20 | 0 50 | 19 18 | 0 38 | 20 9 | 0 11 | 23 30 | 0 3 | 6 51 | 2 22 | 23 29 | 0 10 | 15 15 | 1 45 | 18 49 | 16 18 | 7 1 | 6 18 | 22 56 | 9 56 | 5 51 |
| M28 | 22 17 | 22 11 | 3 6 | 22 41 | 0 56 | 19 37 | 0 36 | 20 19 | 0 12 | 23 30 | 0 2 | 6 53 | 2 22 | 23 29 | 0 10 | 15 15 | 1 45 | 18 49 | 16 18 | 6 59 | 6 17 | 22 59 | 9 56 | 5 51 |
| T 29 | 22 26 | 25 25 | 3 52 | 23 2 | 1 2 | 19 55 | 0 34 | 20 29 | 0 12 | 23 31 | 0 2 | 6 55 | 2 22 | 23 30 | 0 10 | 15 16 | 1 45 | 18 49 | 16 19 | 6 55 | 6 16 | 23 1 | 9 56 | 5 50 |
| W30 | 22s33 | 27s33 | 4s28 | 23s21 | 1s 7 | 20s13 | 0n31 | 20s39 | 0s13 | 23n31 | 0s 2 | 6s57 | 2n22 | 23s30 | 0s10 | 15s16 | 1n45 | 18n49 | 16n20 | 6n51 | 6n14 | 23s 3 | 9s56 | 5n50 |

Julian Day Number = 2079672.5, Delta T = 25m55s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'00, Lahiri = 9°40'00 Julian Calendar 1 Nov. 981 == Greg. Calendar 6 Nov. 981


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# ASTRODIENST EPHEMERIS for the year 981
# geocentric

## DECEMBER 981 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 59 43 | 14♐34'03 | 0♑54 | 12♐44 | 3♐30 | 1♐34 | 2°R16 | 23♎31 | 21♐59 | 16♏50 | 20♍15 | 17°R10 | 15♈43 | 27♏37 | 18♒10 | T 1 |
| F 2 | 5 3 40 | 15°35'14 | 13° 0 | 14°19 | 4°45 | 2°18 | 2♋ 9 | 23°36 | 22° 2 | 16°52 | 20°16 | 16♈58 | 15°40 | 27°44 | 18°12 | F 2 |
| S 3 | 5 7 36 | 16°36'26 | 25°13 | 15°54 | 6° 1 | 3° 2 | 2° 1 | 23°42 | 22° 6 | 16°54 | 20°16 | 16°48 | 15°37 | 27°51 | 18°15 | S 3 |
| S 4 | 5 11 33 | 17°37'38 | 7♒37 | 17°29 | 7°16 | 3°47 | 1°54 | 23°47 | 22° 9 | 16°56 | 20°17 | 16°39 | 15°33 | 27°57 | 18°17 | S 4 |
| M 5 | 5 15 30 | 18°38'51 | 20°12 | 19° 5 | 8°32 | 4°31 | 1°46 | 23°52 | 22°13 | 16°58 | 20°17 | 16°32 | 15°30 | 28° 4 | 18°19 | M 5 |
| T 6 | 5 19 26 | 19°40'03 | 3♓ 2 | 20°40 | 9°47 | 5°15 | 1°38 | 23°57 | 22°17 | 17° 0 | 20°18 | 16°29 | 15°27 | 28°11 | 18°22 | T 6 |
| W 7 | 5 23 23 | 20°41'15 | 16° 8 | 22°16 | 11° 3 | 5°59 | 1°30 | 24° 2 | 22°20 | 17° 2 | 20°18 | 16°D27 | 15°24 | 28°17 | 18°24 | W 7 |
| T 8 | 5 27 19 | 21°42'26 | 29°35 | 23°53 | 12°18 | 6°43 | 1°22 | 24° 7 | 22°24 | 17° 4 | 20°18 | 16°27 | 15°21 | 28°24 | 18°27 | T 8 |
| F 9 | 5 31 16 | 22°43'38 | 13♈25 | 25°29 | 13°34 | 7°28 | 1°15 | 24°12 | 22°27 | 17° 6 | 20°19 | 16°R28 | 15°18 | 28°31 | 18°30 | F 9 |
| S 10 | 5 35 12 | 23°44'49 | 27°39 | 27° 6 | 14°49 | 8°12 | 1° 7 | 24°17 | 22°31 | 17° 8 | 20°19 | 16°27 | 15°14 | 28°37 | 18°32 | S 10 |
| S 11 | 5 39 9 | 24°46'01 | 12♉16 | 28°44 | 16° 5 | 8°56 | 0°59 | 24°21 | 22°35 | 17° 9 | 20°19 | 16°25 | 15°11 | 28°44 | 18°35 | S 11 |
| M12 | 5 43 5 | 25°47'12 | 27°13 | 0♑21 | 17°20 | 9°41 | 0°51 | 24°26 | 22°38 | 17°11 | 20°20 | 16°20 | 15° 8 | 28°51 | 18°38 | M12 |
| T 13 | 5 47 2 | 26°48'23 | 12♊21 | 1°59 | 18°36 | 10°25 | 0°42 | 24°31 | 22°42 | 17°13 | 20°20 | 16°12 | 15° 5 | 28°57 | 18°40 | T 13 |
| W14 | 5 50 59 | 27°49'34 | 27°33 | 3°37 | 19°51 | 11°10 | 0°34 | 24°35 | 22°45 | 17°15 | 20°20 | 16° 2 | 15° 2 | 29° 4 | 18°43 | W14 |
| T 15 | 5 54 55 | 28°50'45 | 12♋36 | 5°16 | 21° 7 | 11°54 | 0°26 | 24°40 | 22°49 | 17°17 | 20°20 | 15°50 | 14°58 | 29°11 | 18°46 | T 15 |
| F 16 | 5 58 52 | 29°51'56 | 27°21 | 6°54 | 22°22 | 12°39 | 0°18 | 24°44 | 22°53 | 17°19 | 20°20 | 15°39 | 14°55 | 29°17 | 18°49 | F 16 |
| S 17 | 6 2 48 | 0♑53'07 | 11♌41 | 8°33 | 23°38 | 13°24 | 0°10 | 24°48 | 22°56 | 17°20 | 20°20 | 15°30 | 14°52 | 29°24 | 18°52 | S 17 |
| S 18 | 6 6 45 | 1°54'17 | 25°31 | 10°13 | 24°53 | 14° 8 | 0° 2 | 24°52 | 23° 0 | 17°22 | 20°R20 | 15°22 | 14°49 | 29°31 | 18°55 | S 18 |
| M19 | 6 10 41 | 2°55'28 | 8♍51 | 11°52 | 26° 8 | 14°53 | 29♊54 | 24°56 | 23° 3 | 17°24 | 20°20 | 15°18 | 14°46 | 29°37 | 18°58 | M19 |
| T 20 | 6 14 38 | 3°56'38 | 21°44 | 13°32 | 27°24 | 15°38 | 29°46 | 25° 0 | 23° 7 | 17°26 | 20°20 | 15°16 | 14°43 | 29°44 | 19° 1 | T 20 |
| W21 | 6 18 34 | 4°57'49 | 4♎13 | 15°11 | 28°39 | 16°23 | 29°38 | 25° 4 | 23°11 | 17°27 | 20°20 | 15°D15 | 14°39 | 29°51 | 19° 4 | W21 |
| T 22 | 6 22 31 | 5°58'59 | 16°23 | 16°51 | 29°55 | 17° 7 | 29°30 | 25° 8 | 23°14 | 17°29 | 20°20 | 15°R15 | 14°36 | 29°58 | 19° 7 | T 22 |
| F 23 | 6 26 28 | 7° 0'10 | 28°20 | 18°31 | 1♑10 | 17°52 | 29°22 | 25°12 | 23°18 | 17°31 | 20°20 | 15°15 | 14°33 | 0♐ 4 | 19°11 | F 23 |
| S 24 | 6 30 24 | 8° 1'20 | 10♏10 | 20°10 | 2°26 | 18°37 | 29°14 | 25°16 | 23°21 | 17°32 | 20°20 | 15°12 | 14°30 | 0°11 | 19°14 | S 24 |
| S 25 | 6 34 21 | 9° 2'30 | 21°58 | 21°50 | 3°41 | 19°22 | 29° 6 | 25°19 | 23°25 | 17°34 | 20°19 | 15° 7 | 14°27 | 0°18 | 19°17 | S 25 |
| M26 | 6 38 17 | 10° 3'39 | 3♐46 | 23°28 | 4°57 | 20° 7 | 28°58 | 25°23 | 23°28 | 17°35 | 20°19 | 15° 0 | 14°24 | 0°24 | 19°20 | M26 |
| T 27 | 6 42 14 | 11° 4'49 | 15°40 | 25° 6 | 6°12 | 20°52 | 28°50 | 25°26 | 23°32 | 17°37 | 20°19 | 14°49 | 14°20 | 0°31 | 19°24 | T 27 |
| W28 | 6 46 10 | 12° 5'57 | 27°40 | 26°44 | 7°27 | 21°37 | 28°42 | 25°29 | 23°35 | 17°38 | 20°18 | 14°35 | 14°17 | 0°38 | 19°27 | W28 |
| T 29 | 6 50 7 | 13° 7'06 | 9♑50 | 28°20 | 8°43 | 22°23 | 28°35 | 25°33 | 23°39 | 17°40 | 20°18 | 14°21 | 14°14 | 0°44 | 19°30 | T 29 |
| F 30 | 6 54 4 | 14° 8'13 | 22° 9 | 29°54 | 9°58 | 23° 8 | 28°27 | 25°36 | 23°42 | 17°41 | 20°18 | 14° 6 | 14°11 | 0°51 | 19°34 | F 30 |
| S 31 | 6 58 0 | 15♑ 9'20 | 4♒37 | 1♒27 | 11♑14 | 23♐53 | 28♊20 | 25♎39 | 23♐45 | 17♏43 | 20♍17 | 13♈52 | 14♈ 8 | 0♐58 | 19♒37 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s41 | 28s26 | 4s52 | 23s39 | 1s13 | 20s30 | 0n29 | 20s49 | 0s14 | 23n31 | 0s 2 | 6s59 | 2n22 | 23s30 | 0s10 | 15s17 | 1n45 | 18n50 | 16n20 | 6n47 | 6n13 | 23s 5 | 9s55 | 5n50 |
| F 2 | 22 47 | 27 58 | 5 3 | 23 56 | 1 18 | 20 46 | 0 27 | 20 58 | 0 14 | 23 32 | 0 2 | 7 0 | 2 23 | 23 30 | 0 10 | 15 18 | 1 45 | 18 50 | 16 21 | 6 42 | 6 12 | 23 7 | 9 55 | 5 49 |
| S 3 | 22 54 | 26 8 | 5 1 | 24 12 | 1 23 | 21 2 | 0 24 | 21 7 | 0 15 | 23 32 | 0 2 | 7 2 | 2 23 | 23 30 | 0 10 | 15 18 | 1 45 | 18 50 | 16 21 | 6 38 | 6 11 | 23 10 | 9 54 | 5 49 |
| S 4 | 23 0 | 23 2 | 4 44 | 24 26 | 1 28 | 21 17 | 0 22 | 21 17 | 0 15 | 23 32 | 0 2 | 7 4 | 2 23 | 23 31 | 0 10 | 15 19 | 1 45 | 18 51 | 16 22 | 6 35 | 6 9 | 23 12 | 9 54 | 5 49 |
| M 5 | 23 5 | 18 50 | 4 13 | 24 40 | 1 33 | 21 32 | 0 20 | 21 25 | 0 16 | 23 32 | 0 1 | 7 6 | 2 23 | 23 31 | 0 10 | 15 19 | 1 45 | 18 51 | 16 22 | 6 32 | 6 8 | 23 14 | 9 54 | 5 48 |
| T 6 | 23 10 | 13 42 | 3 30 | 24 51 | 1 37 | 21 46 | 0 17 | 21 34 | 0 17 | 23 33 | 0 1 | 7 7 | 2 23 | 23 31 | 0 10 | 15 20 | 1 45 | 18 51 | 16 23 | 6 31 | 6 7 | 23 16 | 9 53 | 5 48 |
| W 7 | 23 15 | 7 52 | 2 34 | 25 2 | 1 41 | 21 59 | 0 15 | 21 43 | 0 17 | 23 33 | 0 1 | 7 9 | 2 24 | 23 31 | 0 10 | 15 20 | 1 45 | 18 52 | 16 24 | 6 30 | 6 6 | 23 18 | 9 53 | 5 48 |
| T 8 | 23 19 | 1 31 | 1 29 | 25 11 | 1 45 | 22 12 | 0 12 | 21 51 | 0 18 | 23 33 | 0 1 | 7 11 | 2 24 | 23 32 | 0 10 | 15 21 | 1 45 | 18 52 | 16 24 | 6 30 | 6 5 | 23 21 | 9 52 | 5 47 |
| F 9 | 23 22 | 5n 5 | 0 16 | 25 18 | 1 49 | 22 24 | 0 10 | 21 59 | 0 19 | 23 33 | 0 1 | 7 12 | 2 24 | 23 32 | 0 10 | 15 21 | 1 45 | 18 53 | 16 25 | 6 30 | 6 3 | 23 23 | 9 52 | 5 47 |
| S 10 | 23 25 | 11 37 | 0n59 | 25 25 | 1 52 | 22 35 | 0 7 | 22 7 | 0 19 | 23 33 | 0 1 | 7 14 | 2 24 | 23 32 | 0 10 | 15 22 | 1 45 | 18 53 | 16 25 | 6 30 | 6 2 | 23 25 | 9 51 | 5 47 |
| S 11 | 23 28 | 17 42 | 2 13 | 25 29 | 1 55 | 22 46 | 0 5 | 22 14 | 0 20 | 23 34 | 0 1 | 7 15 | 2 24 | 23 32 | 0 10 | 15 22 | 1 45 | 18 53 | 16 26 | 6 29 | 6 1 | 23 27 | 9 51 | 5 47 |
| M12 | 23 30 | 22 52 | 3 18 | 25 32 | 1 58 | 22 55 | 0 3 | 22 22 | 0 21 | 23 34 | 0 0 | 7 17 | 2 25 | 23 32 | 0 10 | 15 23 | 1 45 | 18 54 | 16 26 | 6 27 | 6 0 | 23 29 | 9 50 | 5 46 |
| T 13 | 23 32 | 26 33 | 4 11 | 25 34 | 2 0 | 23 5 | 0 0 | 22 29 | 0 21 | 23 34 | 0 0 | 7 18 | 2 25 | 23 33 | 0 10 | 15 23 | 1 45 | 18 54 | 16 27 | 6 24 | 5 58 | 23 31 | 9 50 | 5 46 |
| W14 | 23 33 | 28 19 | 4 46 | 25 34 | 2 2 | 23 13 | 0s 2 | 22 36 | 0 22 | 23 34 | 0 0 | 7 20 | 2 25 | 23 33 | 0 10 | 15 24 | 1 45 | 18 55 | 16 28 | 6 20 | 5 57 | 23 33 | 9 49 | 5 46 |
| T 15 | 23 34 | 27 58 | 5 1 | 25 32 | 2 4 | 23 21 | 0 5 | 22 43 | 0 22 | 23 34 | 0n 0 | 7 21 | 2 25 | 23 33 | 0 10 | 15 24 | 1 45 | 18 55 | 16 28 | 6 16 | 5 56 | 23 35 | 9 48 | 5 45 |
| F 16 | 23 34 | 25 38 | 4 55 | 25 29 | 2 5 | 23 28 | 0 7 | 22 49 | 0 23 | 23 35 | 0 0 | 7 23 | 2 25 | 23 33 | 0 10 | 15 25 | 1 45 | 18 56 | 16 29 | 6 12 | 5 55 | 23 38 | 9 48 | 5 45 |
| S 17 | 23 34 | 21 43 | 4 31 | 25 24 | 2 6 | 23 35 | 0 10 | 22 56 | 0 24 | 23 35 | 0 0 | 7 24 | 2 26 | 23 33 | 0 10 | 15 25 | 1 45 | 18 56 | 16 29 | 6 8 | 5 53 | 23 40 | 9 47 | 5 45 |
| S 18 | 23 34 | 16 43 | 3 51 | 25 17 | 2 7 | 23 40 | 0 12 | 23 2 | 0 24 | 23 35 | 0 1 | 7 25 | 2 26 | 23 34 | 0 10 | 15 26 | 1 45 | 18 57 | 16 30 | 6 5 | 5 52 | 23 42 | 9 46 | 5 45 |
| M19 | 23 32 | 11 4 | 3 0 | 25 9 | 2 7 | 23 45 | 0 14 | 23 8 | 0 25 | 23 35 | 0 1 | 7 27 | 2 26 | 23 34 | 0 10 | 15 26 | 1 45 | 18 57 | 16 30 | 6 3 | 5 51 | 23 44 | 9 46 | 5 44 |
| T 20 | 23 31 | 5 9 | 2 1 | 24 59 | 2 7 | 23 49 | 0 17 | 23 13 | 0 26 | 23 35 | 0 1 | 7 28 | 2 26 | 23 34 | 0 10 | 15 27 | 1 45 | 18 58 | 16 31 | 6 3 | 5 50 | 23 46 | 9 45 | 5 44 |
| W21 | 23 29 | 0s48 | 0 58 | 24 47 | 2 6 | 23 53 | 0 19 | 23 19 | 0 26 | 23 35 | 0 1 | 7 29 | 2 26 | 23 34 | 0 10 | 15 27 | 1 45 | 18 58 | 16 32 | 6 2 | 5 48 | 23 48 | 9 44 | 5 44 |
| T 22 | 23 26 | 6 34 | 0s 6 | 24 33 | 2 4 | 23 56 | 0 21 | 23 24 | 0 27 | 23 35 | 0 1 | 7 30 | 2 27 | 23 34 | 0 10 | 15 27 | 1 46 | 18 59 | 16 32 | 6 2 | 5 47 | 23 50 | 9 44 | 5 44 |
| F 23 | 23 23 | 12 1 | 1 9 | 24 18 | 2 2 | 23 58 | 0 24 | 23 29 | 0 28 | 23 36 | 0 1 | 7 31 | 2 27 | 23 35 | 0 10 | 15 28 | 1 46 | 18 59 | 16 33 | 6 2 | 5 46 | 23 52 | 9 43 | 5 43 |
| S 24 | 23 20 | 16 58 | 2 8 | 24 1 | 2 0 | 23 59 | 0 26 | 23 33 | 0 28 | 23 36 | 0 1 | 7 33 | 2 27 | 23 35 | 0 10 | 15 28 | 1 46 | 19 0 | 16 33 | 6 1 | 5 45 | 23 54 | 9 42 | 5 43 |
| S 25 | 23 16 | 21 16 | 3 1 | 23 42 | 1 56 | 23 59 | 0 28 | 23 38 | 0 29 | 23 36 | 0 2 | 7 34 | 2 27 | 23 35 | 0 11 | 15 29 | 1 46 | 19 1 | 16 34 | 5 59 | 5 44 | 23 56 | 9 41 | 5 43 |
| M26 | 23 11 | 24 44 | 3 46 | 23 22 | 1 52 | 23 59 | 0 30 | 23 42 | 0 30 | 23 36 | 0 2 | 7 35 | 2 28 | 23 35 | 0 11 | 15 29 | 1 46 | 19 1 | 16 34 | 5 56 | 5 42 | 23 58 | 9 41 | 5 43 |
| T 27 | 23 6 | 27 8 | 4 22 | 23 0 | 1 48 | 23 58 | 0 33 | 23 46 | 0 30 | 23 36 | 0 2 | 7 36 | 2 28 | 23 35 | 0 11 | 15 29 | 1 46 | 19 2 | 16 35 | 5 52 | 5 41 | 24 0 | 9 40 | 5 42 |
| W28 | 23 1 | 28 20 | 4 47 | 22 36 | 1 43 | 23 56 | 0 35 | 23 49 | 0 31 | 23 36 | 0 2 | 7 37 | 2 28 | 23 36 | 0 11 | 15 30 | 1 46 | 19 2 | 16 35 | 5 47 | 5 40 | 24 2 | 9 39 | 5 42 |
| T 29 | 22 55 | 28 10 | 4 58 | 22 11 | 1 37 | 23 54 | 0 37 | 23 53 | 0 31 | 23 36 | 0 2 | 7 38 | 2 28 | 23 36 | 0 11 | 15 30 | 1 46 | 19 3 | 16 36 | 5 41 | 5 39 | 24 4 | 9 38 | 5 42 |
| F 30 | 22 49 | 26 37 | 4 56 | 21 45 | 1 30 | 23 51 | 0 39 | 23 56 | 0 32 | 23 36 | 0 2 | 7 39 | 2 29 | 23 36 | 0 11 | 15 30 | 1 46 | 19 4 | 16 37 | 5 35 | 5 37 | 24 6 | 9 37 | 5 42 |
| S 31 | 22s42 | 23s45 | 4s40 | 21s17 | 1s22 | 23s47 | 0s41 | 23s59 | 0s33 | 23n36 | 0n 2 | 7s40 | 2n29 | 23s36 | 0s11 | 15s31 | 1n46 | 19n 4 | 16n37 | 5n30 | 5n36 | 24s 8 | 9s37 | 5n41 |

Julian Day Number = 2079702.5, Delta T = 25m55s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'04, Lahiri = 9°40'04 Julian Calendar 1 Dec. 981 == Greg. Calendar 6 Dec. 981


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## JANUARY 982 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 1 57 | 16♉10'26 | 17♒16 | 2♒58 | 12♉29 | 24♐38 | 28°R12 | 25♎42 | 23♐49 | 17♏44 | 20°R17 | 13°R40 | 14♈ 4 | 1♐ 4 | 19♒41 | S 1 |
| M 2 | 7 5 53 | 17°11'31 | 0♓ 6 | 4°26 | 13°45 | 25°24 | 28♊ 5 | 25°45 | 23°52 | 17°45 | 20♍16 | 13♈32 | 14° 1 | 1°11 | 19°44 | M 2 |
| T 3 | 7 9 50 | 18°12'35 | 13° 6 | 5°50 | 15° 0 | 26° 9 | 27°58 | 25°47 | 23°56 | 17°47 | 20°16 | 13°26 | 13°58 | 1°18 | 19°48 | T 3 |
| W 4 | 7 13 46 | 19°13'38 | 26°19 | 7°11 | 16°15 | 26°54 | 27°51 | 25°50 | 23°59 | 17°48 | 20°15 | 13°23 | 13°55 | 1°24 | 19°51 | W 4 |
| T 5 | 7 17 43 | 20°14'40 | 9♈46 | 8°27 | 17°31 | 27°40 | 27°44 | 25°52 | 24° 2 | 17°49 | 20°15 | 13°22 | 13°52 | 1°31 | 19°55 | T 5 |
| F 6 | 7 21 39 | 21°15'40 | 23°30 | 9°39 | 18°46 | 28°25 | 27°37 | 25°55 | 24° 6 | 17°51 | 20°14 | 13°22 | 13°49 | 1°38 | 19°59 | F 6 |
| S 7 | 7 25 36 | 22°16'39 | 7♉30 | 10°44 | 20° 1 | 29°10 | 27°30 | 25°57 | 24° 9 | 17°52 | 20°13 | 13°22 | 13°45 | 1°45 | 20° 2 | S 7 |
| S 8 | 7 29 33 | 23°17'37 | 21°48 | 11°42 | 21°17 | 29°56 | 27°23 | 26° 0 | 24°12 | 17°53 | 20°13 | 13°19 | 13°42 | 1°51 | 20° 6 | S 8 |
| M 9 | 7 33 29 | 24°18'34 | 6♊21 | 12°33 | 22°32 | 0♉41 | 27°17 | 26° 2 | 24°15 | 17°54 | 20°12 | 13°14 | 13°39 | 1°58 | 20°10 | M 9 |
| T 10 | 7 37 26 | 25°19'29 | 21° 6 | 13°15 | 23°47 | 1°27 | 27°11 | 26° 4 | 24°19 | 17°55 | 20°11 | 13° 6 | 13°36 | 2° 5 | 20°13 | T 10 |
| W11 | 7 41 22 | 26°20'24 | 5♋55 | 13°48 | 25° 3 | 2°13 | 27° 4 | 26° 6 | 24°22 | 17°57 | 20°10 | 12°56 | 13°33 | 2°11 | 20°17 | W11 |
| T 12 | 7 45 19 | 27°21'17 | 20°41 | 14°12 | 26°18 | 2°58 | 26°58 | 26° 8 | 24°25 | 17°58 | 20°10 | 12°44 | 13°30 | 2°18 | 20°21 | T 12 |
| F 13 | 7 49 15 | 28°22'08 | 5♌15 | 14°24 | 27°33 | 3°44 | 26°52 | 26° 9 | 24°28 | 17°59 | 20° 9 | 12°33 | 13°26 | 2°25 | 20°24 | F 13 |
| S 14 | 7 53 12 | 29°22'59 | 19°29 | 14°R26 | 28°48 | 4°29 | 26°46 | 26°11 | 24°31 | 18° 0 | 20° 8 | 12°23 | 13°23 | 2°31 | 20°28 | S 14 |
| S 15 | 7 57 8 | 0♒23'48 | 3♍19 | 14°17 | 0♒ 4 | 5°15 | 26°41 | 26°13 | 24°34 | 18° 1 | 20° 7 | 12°15 | 13°20 | 2°38 | 20°32 | S 15 |
| M16 | 8 1 5 | 1°24'37 | 16°42 | 13°57 | 1°19 | 6° 1 | 26°35 | 26°14 | 24°38 | 18° 2 | 20° 6 | 12° 9 | 13°17 | 2°45 | 20°36 | M16 |
| T 17 | 8 5 2 | 2°25'24 | 29°39 | 13°26 | 2°34 | 6°47 | 26°30 | 26°15 | 24°41 | 18° 3 | 20° 5 | 12° 7 | 13°14 | 2°51 | 20°40 | T 17 |
| W18 | 8 8 58 | 3°26'10 | 12♎12 | 12°45 | 3°49 | 7°33 | 26°25 | 26°17 | 24°44 | 18° 3 | 20° 4 | 12°D 6 | 13°10 | 2°58 | 20°44 | W18 |
| T 19 | 8 12 55 | 4°26'55 | 24°27 | 11°55 | 5° 4 | 8°18 | 26°20 | 26°18 | 24°47 | 18° 4 | 20° 3 | 12° 6 | 13° 7 | 3° 5 | 20°47 | T 19 |
| F 20 | 8 16 51 | 5°27'39 | 6♏28 | 10°58 | 6°20 | 9° 4 | 26°15 | 26°19 | 24°50 | 18° 5 | 20° 2 | 12°R 7 | 13° 4 | 3°12 | 20°51 | F 20 |
| S 21 | 8 20 48 | 6°28'21 | 18°20 | 9°55 | 7°35 | 9°50 | 26°10 | 26°20 | 24°53 | 18° 6 | 20° 1 | 12° 6 | 13° 1 | 3°18 | 20°55 | S 21 |
| S 22 | 8 24 44 | 7°29'03 | 0♐ 9 | 8°47 | 8°50 | 10°36 | 26° 6 | 26°21 | 24°55 | 18° 7 | 20° 0 | 12° 3 | 12°58 | 3°25 | 20°59 | S 22 |
| M23 | 8 28 41 | 8°29'44 | 11°59 | 7°38 | 10° 5 | 11°22 | 26° 1 | 26°21 | 24°58 | 18° 7 | 19°59 | 11°58 | 12°55 | 3°32 | 21° 3 | M23 |
| T 24 | 8 32 37 | 9°30'23 | 23°56 | 6°28 | 11°20 | 12° 8 | 25°57 | 26°22 | 25° 1 | 18° 8 | 19°58 | 11°50 | 12°51 | 3°38 | 21° 7 | T 24 |
| W25 | 8 36 34 | 10°31'01 | 6♑ 3 | 5°19 | 12°36 | 12°54 | 25°53 | 26°22 | 25° 4 | 18° 9 | 19°57 | 11°40 | 12°48 | 3°45 | 21°11 | W25 |
| T 26 | 8 40 31 | 11°31'38 | 18°22 | 4°14 | 13°51 | 13°40 | 25°49 | 26°23 | 25° 7 | 18° 9 | 19°55 | 11°29 | 12°45 | 3°52 | 21°15 | T 26 |
| F 27 | 8 44 27 | 12°32'13 | 0♒53 | 3°13 | 15° 6 | 14°26 | 25°46 | 26°23 | 25° 9 | 18°10 | 19°54 | 11°17 | 12°42 | 3°58 | 21°19 | F 27 |
| S 28 | 8 48 24 | 13°32'46 | 13°39 | 2°18 | 16°21 | 15°12 | 25°42 | 26°23 | 25°12 | 18°11 | 19°53 | 11° 6 | 12°39 | 4° 5 | 21°23 | S 28 |
| S 29 | 8 52 20 | 14°33'18 | 26°38 | 1°29 | 17°36 | 15°58 | 25°39 | 26°R23 | 25°15 | 18°11 | 19°52 | 10°57 | 12°36 | 4°12 | 21°27 | S 29 |
| M30 | 8 56 17 | 15°33'48 | 9♓49 | 0°47 | 18°51 | 16°44 | 25°36 | 26°23 | 25°17 | 18°12 | 19°50 | 10°51 | 12°32 | 4°18 | 21°31 | M30 |
| T 31 | 9 0 13 | 16♒34'17 | 23♓11 | 0♒13 | 20♒ 6 | 17♉31 | 25♊33 | 26♎23 | 25♐20 | 18♏12 | 19♍49 | 10♈47 | 12♈29 | 4♐25 | 21♒35 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s35 | 19s43 | 4s10 | 20s48 | 1s14 | 23s42 | 0s43 | 24s 1 | 0s33 | 23n36 | 0n 3 | 7s40 | 2n29 | 23s36 | 0s11 | 15s31 | 1n46 | 19n 5 | 16n38 | 5n25 | 5n35 | 24s10 | 9s36 | 5n41 |
| M 2 | 22 28 | 14 44 | 3 27 | 20 18 | 1 4 | 23 37 | 0 45 | 24 4 | 0 34 | 23 36 | 0 3 | 7 41 | 2 29 | 23 36 | 0 11 | 15 32 | 1 46 | 19 6 | 16 38 | 5 22 | 5 34 | 24 12 | 9 35 | 5 41 |
| T 3 | 22 20 | 9 1 | 2 32 | 19 47 | 0 54 | 23 30 | 0 47 | 24 6 | 0 35 | 23 36 | 0 3 | 7 42 | 2 30 | 23 37 | 0 11 | 15 32 | 1 46 | 19 6 | 16 39 | 5 20 | 5 32 | 24 14 | 9 34 | 5 41 |
| W 4 | 22 11 | 2 50 | 1 29 | 19 16 | 0 43 | 23 24 | 0 49 | 24 8 | 0 35 | 23 36 | 0 3 | 7 43 | 2 30 | 23 37 | 0 11 | 15 32 | 1 46 | 19 7 | 16 39 | 5 19 | 5 31 | 24 16 | 9 33 | 5 41 |
| T 5 | 22 2 | 3n36 | 0 19 | 18 45 | 0 31 | 23 16 | 0 51 | 24 9 | 0 36 | 23 36 | 0 3 | 7 43 | 2 30 | 23 37 | 0 11 | 15 32 | 1 46 | 19 8 | 16 40 | 5 18 | 5 30 | 24 18 | 9 32 | 5 40 |
| F 6 | 21 53 | 10 0 | 0n53 | 18 13 | 0 18 | 23 8 | 0 53 | 24 10 | 0 37 | 23 36 | 0 3 | 7 44 | 2 30 | 23 37 | 0 11 | 15 33 | 1 46 | 19 9 | 16 40 | 5 18 | 5 29 | 24 20 | 9 31 | 5 40 |
| S 7 | 21 43 | 16 2 | 2 4 | 17 42 | 0 4 | 22 59 | 0 55 | 24 11 | 0 37 | 23 36 | 0 3 | 7 45 | 2 31 | 23 37 | 0 11 | 15 33 | 1 46 | 19 9 | 16 41 | 5 18 | 5 27 | 24 22 | 9 30 | 5 40 |
| S 8 | 21 33 | 21 21 | 3 8 | 17 12 | 0n11 | 22 49 | 0 57 | 24 12 | 0 38 | 23 36 | 0 4 | 7 45 | 2 31 | 23 37 | 0 11 | 15 33 | 1 46 | 19 10 | 16 41 | 5 17 | 5 26 | 24 24 | 9 29 | 5 40 |
| M 9 | 21 22 | 25 27 | 4 1 | 16 43 | 0 27 | 22 38 | 0 58 | 24 13 | 0 38 | 23 36 | 0 4 | 7 46 | 2 31 | 23 38 | 0 11 | 15 34 | 1 46 | 19 11 | 16 42 | 5 15 | 5 25 | 24 26 | 9 28 | 5 40 |
| T 10 | 21 11 | 27 55 | 4 39 | 16 15 | 0 43 | 22 27 | 1 0 | 24 13 | 0 39 | 23 36 | 0 4 | 7 46 | 2 31 | 23 38 | 0 11 | 15 34 | 1 46 | 19 12 | 16 42 | 5 12 | 5 24 | 24 28 | 9 27 | 5 40 |
| W11 | 21 0 | 28 25 | 4 59 | 15 49 | 1 0 | 22 15 | 1 2 | 24 13 | 0 40 | 23 36 | 0 4 | 7 47 | 2 32 | 23 38 | 0 11 | 15 34 | 1 46 | 19 12 | 16 43 | 5 8 | 5 22 | 24 30 | 9 26 | 5 39 |
| T 12 | 20 48 | 26 53 | 4 58 | 15 26 | 1 17 | 22 3 | 1 4 | 24 13 | 0 40 | 23 36 | 0 4 | 7 47 | 2 32 | 23 38 | 0 11 | 15 34 | 1 47 | 19 13 | 16 43 | 5 4 | 5 21 | 24 32 | 9 25 | 5 39 |
| F 13 | 20 36 | 23 33 | 4 38 | 15 6 | 1 35 | 21 50 | 1 5 | 24 12 | 0 41 | 23 36 | 0 4 | 7 48 | 2 32 | 23 38 | 0 11 | 15 35 | 1 47 | 19 14 | 16 44 | 4 59 | 5 20 | 24 34 | 9 24 | 5 39 |
| S 14 | 20 24 | 18 52 | 4 1 | 14 48 | 1 52 | 21 36 | 1 7 | 24 11 | 0 42 | 23 36 | 0 4 | 7 48 | 2 32 | 23 38 | 0 11 | 15 35 | 1 47 | 19 15 | 16 44 | 4 55 | 5 19 | 24 36 | 9 23 | 5 39 |
| S 15 | 20 11 | 13 18 | 3 10 | 14 34 | 2 9 | 21 22 | 1 8 | 24 10 | 0 42 | 23 36 | 0 4 | 7 48 | 2 33 | 23 38 | 0 11 | 15 35 | 1 47 | 19 15 | 16 45 | 4 52 | 5 18 | 24 38 | 9 22 | 5 39 |
| M16 | 19 57 | 7 17 | 2 11 | 14 24 | 2 26 | 21 6 | 1 10 | 24 9 | 0 43 | 23 36 | 0 5 | 7 49 | 2 33 | 23 39 | 0 11 | 15 35 | 1 47 | 19 16 | 16 45 | 4 50 | 5 16 | 24 40 | 9 21 | 5 39 |
| T 17 | 19 44 | 1 9 | 1 6 | 14 18 | 2 42 | 20 51 | 1 11 | 24 7 | 0 43 | 23 36 | 0 5 | 7 49 | 2 33 | 23 39 | 0 11 | 15 36 | 1 47 | 19 17 | 16 46 | 4 49 | 5 15 | 24 42 | 9 20 | 5 39 |
| W18 | 19 30 | 4s52 | 0s 1 | 14 15 | 2 57 | 20 34 | 1 12 | 24 5 | 0 44 | 23 36 | 0 5 | 7 49 | 2 33 | 23 39 | 0 11 | 15 36 | 1 47 | 19 18 | 16 46 | 4 49 | 5 14 | 24 44 | 9 19 | 5 38 |
| T 19 | 19 15 | 10 32 | 1 5 | 14 16 | 3 10 | 20 18 | 1 13 | 24 3 | 0 45 | 23 36 | 0 5 | 7 49 | 2 34 | 23 39 | 0 11 | 15 36 | 1 47 | 19 19 | 16 47 | 4 49 | 5 13 | 24 45 | 9 18 | 5 38 |
| F 20 | 19 1 | 15 44 | 2 6 | 14 21 | 3 21 | 20 0 | 1 15 | 24 1 | 0 45 | 23 36 | 0 5 | 7 49 | 2 34 | 23 39 | 0 11 | 15 36 | 1 47 | 19 19 | 16 47 | 4 49 | 5 11 | 24 47 | 9 17 | 5 38 |
| S 21 | 18 46 | 20 16 | 3 0 | 14 29 | 3 31 | 19 42 | 1 16 | 23 58 | 0 46 | 23 36 | 0 5 | 7 49 | 2 34 | 23 39 | 0 11 | 15 36 | 1 47 | 19 20 | 16 47 | 4 48 | 5 10 | 24 49 | 9 16 | 5 38 |
| S 22 | 18 30 | 23 59 | 3 47 | 14 40 | 3 38 | 19 23 | 1 17 | 23 55 | 0 47 | 23 36 | 0 5 | 7 49 | 2 34 | 23 39 | 0 11 | 15 36 | 1 47 | 19 21 | 16 48 | 4 47 | 5 9 | 24 51 | 9 14 | 5 38 |
| M23 | 18 14 | 26 42 | 4 23 | 14 53 | 3 42 | 19 4 | 1 18 | 23 52 | 0 47 | 23 36 | 0 5 | 7 50 | 2 35 | 23 40 | 0 11 | 15 37 | 1 47 | 19 22 | 16 48 | 4 45 | 5 8 | 24 53 | 9 13 | 5 38 |
| T 24 | 17 58 | 28 15 | 4 49 | 15 8 | 3 45 | 18 44 | 1 19 | 23 49 | 0 48 | 23 36 | 0 6 | 7 49 | 2 35 | 23 40 | 0 11 | 15 37 | 1 47 | 19 23 | 16 49 | 4 42 | 5 6 | 24 55 | 9 12 | 5 38 |
| W25 | 17 42 | 28 28 | 5 2 | 15 24 | 3 45 | 18 24 | 1 20 | 23 45 | 0 48 | 23 36 | 0 6 | 7 49 | 2 35 | 23 40 | 0 11 | 15 37 | 1 47 | 19 24 | 16 49 | 4 38 | 5 5 | 24 57 | 9 11 | 5 38 |
| T 26 | 17 25 | 27 17 | 5 1 | 15 42 | 3 43 | 18 3 | 1 21 | 23 41 | 0 49 | 23 36 | 0 6 | 7 49 | 2 35 | 23 40 | 0 11 | 15 37 | 1 47 | 19 24 | 16 49 | 4 34 | 5 4 | 24 59 | 9 10 | 5 38 |
| F 27 | 17 8 | 24 43 | 4 46 | 16 0 | 3 38 | 17 42 | 1 22 | 23 36 | 0 50 | 23 36 | 0 6 | 7 49 | 2 36 | 23 40 | 0 11 | 15 37 | 1 47 | 19 25 | 16 50 | 4 29 | 5 3 | 25 0 | 9 9 | 5 38 |
| S 28 | 16 51 | 20 55 | 4 17 | 16 19 | 3 32 | 17 20 | 1 22 | 23 32 | 0 50 | 23 36 | 0 6 | 7 49 | 2 36 | 23 40 | 0 11 | 15 37 | 1 47 | 19 26 | 16 50 | 4 25 | 5 1 | 25 2 | 9 7 | 5 38 |
| S 29 | 16 33 | 16 3 | 3 33 | 16 37 | 3 25 | 16 58 | 1 23 | 23 27 | 0 51 | 23 36 | 0 6 | 7 49 | 2 36 | 23 40 | 0 11 | 15 37 | 1 47 | 19 27 | 16 51 | 4 22 | 5 0 | 25 4 | 9 6 | 5 37 |
| M30 | 16 16 | 10 22 | 2 38 | 16 55 | 3 16 | 16 35 | 1 24 | 23 22 | 0 51 | 23 36 | 0 6 | 7 49 | 2 36 | 23 40 | 0 11 | 15 37 | 1 48 | 19 28 | 16 51 | 4 19 | 4 59 | 25 6 | 9 5 | 5 37 |
| T 31 | 15s57 | 4s 8 | 1s33 | 17s12 | 3n 5 | 16s12 | 1s24 | 23s17 | 0s52 | 23n36 | 0n 6 | 7s48 | 2n37 | 23s40 | 0s11 | 15s37 | 1n48 | 19n29 | 16n51 | 4n17 | 4n58 | 25s 8 | 9s 4 | 5n37 |

Julian Day Number = 2079733.5, Delta T = 25m54s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'08, Lahiri = 9°40'08 Julian Calendar 1 Jan. 982 == Greg. Calendar 6 Jan. 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## FEBRUARY 982 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 4 10 | 17♒34'43 | 6♈43 | 29°R46 | 21♒21 | 18♉17 | 25°R31 | 26°R23 | 25♐23 | 18♏12 | 19°R48 | 10°D45 | 12♈26 | 4♐32 | 21♒39 | W 1 |
| T 2 | 9 8 6 | 18°35'08 | 20°25 | 29♉26 | 22°36 | 19° 3 | 25♊28 | 26♎23 | 25°25 | 18°13 | 19♍46 | 10♈46 | 12°23 | 4°39 | 21°43 | T 2 |
| F 3 | 9 12 3 | 19°35'30 | 4♉16 | 29°14 | 23°51 | 19°49 | 25°26 | 26°22 | 25°28 | 18°13 | 19°45 | 10°47 | 12°20 | 4°45 | 21°47 | F 3 |
| S 4 | 9 16 0 | 20°35'51 | 18°16 | 29°D 9 | 25° 6 | 20°35 | 25°24 | 26°22 | 25°30 | 18°14 | 19°44 | 10°R47 | 12°16 | 4°52 | 21°51 | S 4 |
| S 5 | 9 19 56 | 21°36'09 | 2♊24 | 29°11 | 26°21 | 21°22 | 25°22 | 26°21 | 25°32 | 18°14 | 19°42 | 10°47 | 12°13 | 4°59 | 21°55 | S 5 |
| M 6 | 9 23 53 | 22°36'26 | 16°40 | 29°19 | 27°36 | 22° 8 | 25°20 | 26°21 | 25°35 | 18°14 | 19°41 | 10°44 | 12°10 | 5° 5 | 21°59 | M 6 |
| T 7 | 9 27 49 | 23°36'40 | 1♋ 0 | 29°33 | 28°51 | 22°54 | 25°19 | 26°20 | 25°37 | 18°14 | 19°40 | 10°40 | 12° 7 | 5°12 | 22° 3 | T 7 |
| W 8 | 9 31 46 | 24°36'53 | 15°21 | 29°53 | 0♓ 6 | 23°40 | 25°17 | 26°19 | 25°39 | 18°14 | 19°38 | 10°34 | 12° 4 | 5°19 | 22° 7 | W 8 |
| T 9 | 9 35 42 | 25°37'03 | 29°38 | 0♒19 | 1°21 | 24°27 | 25°16 | 26°18 | 25°42 | 18°15 | 19°37 | 10°26 | 12° 1 | 5°25 | 22°11 | T 9 |
| F 10 | 9 39 39 | 26°37'11 | 13♌46 | 0°49 | 2°36 | 25°13 | 25°15 | 26°17 | 25°44 | 18°15 | 19°35 | 10°19 | 11°57 | 5°32 | 22°15 | F 10 |
| S 11 | 9 43 35 | 27°37'17 | 27°39 | 1°23 | 3°51 | 25°59 | 25°15 | 26°15 | 25°46 | 18°15 | 19°34 | 10°12 | 11°54 | 5°39 | 22°18 | S 11 |
| S 12 | 9 47 32 | 28°37'21 | 11♍14 | 2° 3 | 5° 5 | 26°46 | 25°14 | 26°14 | 25°48 | 18°15 | 19°32 | 10° 7 | 11°51 | 5°45 | 22°22 | S 12 |
| M13 | 9 51 29 | 29°37'24 | 24°29 | 2°46 | 6°20 | 27°32 | 25°14 | 26°13 | 25°50 | 18°R15 | 19°31 | 10° 4 | 11°48 | 5°52 | 22°26 | M13 |
| T 14 | 9 55 25 | 0♓37'24 | 7♎22 | 3°32 | 7°35 | 28°19 | 25°D14 | 26°11 | 25°52 | 18°15 | 19°29 | 10°D 3 | 11°45 | 5°59 | 22°30 | T 14 |
| W15 | 9 59 22 | 1°37'23 | 19°55 | 4°23 | 8°50 | 29° 5 | 25°14 | 26°10 | 25°54 | 18°15 | 19°28 | 10° 3 | 11°42 | 6° 6 | 22°34 | W15 |
| T 16 | 10 3 18 | 2°37'20 | 2♏12 | 5°16 | 10° 5 | 29°51 | 25°14 | 26° 8 | 25°56 | 18°15 | 19°26 | 10° 5 | 11°38 | 6°12 | 22°38 | T 16 |
| F 17 | 10 7 15 | 3°37'16 | 14°15 | 6°12 | 11°19 | 0♒38 | 25°15 | 26° 6 | 25°58 | 18°15 | 19°24 | 10° 6 | 11°35 | 6°19 | 22°42 | F 17 |
| S 18 | 10 11 11 | 4°37'09 | 26°10 | 7°12 | 12°34 | 1°24 | 25°15 | 26° 4 | 26° 0 | 18°14 | 19°23 | 10° 8 | 11°32 | 6°26 | 22°46 | S 18 |
| S 19 | 10 15 8 | 5°37'01 | 8♐ 1 | 8°13 | 13°49 | 2°11 | 25°16 | 26° 2 | 26° 2 | 18°14 | 19°21 | 10°R 8 | 11°29 | 6°32 | 22°50 | S 19 |
| M20 | 10 19 4 | 6°36'52 | 19°54 | 9°18 | 15° 3 | 2°57 | 25°17 | 26° 0 | 26° 3 | 18°14 | 19°20 | 10° 7 | 11°26 | 6°39 | 22°54 | M20 |
| T 21 | 10 23 1 | 7°36'40 | 1♑52 | 10°25 | 16°18 | 3°44 | 25°19 | 25°58 | 26° 5 | 18°14 | 19°18 | 10° 5 | 11°22 | 6°46 | 22°58 | T 21 |
| W22 | 10 26 58 | 8°36'27 | 14° 2 | 11°34 | 17°33 | 4°30 | 25°20 | 25°56 | 26° 7 | 18°14 | 19°17 | 10° 1 | 11°19 | 6°52 | 23° 2 | W22 |
| T 23 | 10 30 54 | 9°36'12 | 26°26 | 12°45 | 18°47 | 5°17 | 25°22 | 25°53 | 26° 8 | 18°13 | 19°15 | 9°56 | 11°16 | 6°59 | 23° 6 | T 23 |
| F 24 | 10 34 51 | 10°35'55 | 9♒ 6 | 13°58 | 20° 2 | 6° 3 | 25°24 | 25°51 | 26°10 | 18°13 | 19°13 | 9°51 | 11°13 | 7° 6 | 23° 9 | F 24 |
| S 25 | 10 38 47 | 11°35'36 | 22° 4 | 15°13 | 21°17 | 6°50 | 25°26 | 25°48 | 26°11 | 18°13 | 19°12 | 9°46 | 11°10 | 7°13 | 23°13 | S 25 |
| S 26 | 10 42 44 | 12°35'16 | 5♓21 | 16°29 | 22°31 | 7°36 | 25°28 | 25°46 | 26°13 | 18°12 | 19°10 | 9°42 | 11° 7 | 7°19 | 23°17 | S 26 |
| M27 | 10 46 40 | 13°34'53 | 18°54 | 17°48 | 23°46 | 8°23 | 25°30 | 25°43 | 26°14 | 18°12 | 19° 8 | 9°39 | 11° 3 | 7°26 | 23°21 | M27 |
| T 28 | 10 50 37 | 14♓34'28 | 2♈42 | 19♒ 8 | 25♓ 0 | 9♒ 9 | 25♊33 | 25♎40 | 26♐16 | 18♏11 | 19♍ 7 | 9♈38 | 11♈ 0 | 7♐33 | 23♒25 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s39 | 2n21 | 0s22 | 17s28 | 2n54 | 15s48 | 1s25 | 23s11 | 0s52 | 23n36 | 0n 7 | 7s48 | 2n37 | 23s41 | 0s11 | 15s37 | 1n48 | 19n29 | 16n52 | 4n17 | 4n56 | 25s 9 | 9s 3 | 5n37 |
| T 2 | 15 20 | 8 49 | 0n52 | 17 44 | 2 43 | 15 24 | 1 25 | 23 5 | 0 53 | 23 36 | 0 7 | 7 48 | 2 37 | 23 41 | 0 11 | 15 38 | 1 48 | 19 30 | 16 52 | 4 17 | 4 55 | 25 11 | 9 1 | 5 37 |
| F 3 | 15 2 | 14 56 | 2 3 | 17 59 | 2 30 | 14 59 | 1 26 | 22 59 | 0 54 | 23 36 | 0 7 | 7 47 | 2 37 | 23 41 | 0 11 | 15 38 | 1 48 | 19 31 | 16 52 | 4 17 | 4 54 | 25 13 | 9 0 | 5 37 |
| S 4 | 14 42 | 20 22 | 3 8 | 18 12 | 2 18 | 14 34 | 1 26 | 22 53 | 0 54 | 23 36 | 0 7 | 7 47 | 2 38 | 23 41 | 0 11 | 15 38 | 1 48 | 19 32 | 16 53 | 4 18 | 4 53 | 25 15 | 8 59 | 5 37 |
| S 5 | 14 23 | 24 42 | 4 2 | 18 24 | 2 5 | 14 9 | 1 26 | 22 46 | 0 55 | 23 37 | 0 7 | 7 46 | 2 38 | 23 41 | 0 11 | 15 38 | 1 48 | 19 33 | 16 53 | 4 17 | 4 51 | 25 17 | 8 58 | 5 37 |
| M 6 | 14 3 | 27 34 | 4 41 | 18 35 | 1 52 | 13 43 | 1 26 | 22 39 | 0 55 | 23 37 | 0 7 | 7 46 | 2 38 | 23 41 | 0 11 | 15 38 | 1 48 | 19 34 | 16 53 | 4 16 | 4 50 | 25 18 | 8 57 | 5 37 |
| T 7 | 13 43 | 28 37 | 5 3 | 18 45 | 1 39 | 13 17 | 1 26 | 22 32 | 0 56 | 23 37 | 0 7 | 7 45 | 2 38 | 23 41 | 0 11 | 15 38 | 1 48 | 19 34 | 16 54 | 4 15 | 4 49 | 25 20 | 8 55 | 5 37 |
| W 8 | 13 23 | 27 45 | 5 7 | 18 53 | 1 26 | 12 51 | 1 26 | 22 25 | 0 56 | 23 37 | 0 7 | 7 45 | 2 39 | 23 41 | 0 11 | 15 38 | 1 48 | 19 35 | 16 54 | 4 12 | 4 48 | 25 22 | 8 54 | 5 37 |
| T 9 | 13 3 | 25 4 | 4 51 | 19 0 | 1 13 | 12 24 | 1 26 | 22 17 | 0 57 | 23 37 | 0 7 | 7 44 | 2 39 | 23 41 | 0 11 | 15 38 | 1 48 | 19 36 | 16 54 | 4 9 | 4 46 | 25 24 | 8 53 | 5 37 |
| F 10 | 12 43 | 20 53 | 4 17 | 19 6 | 1 1 | 11 57 | 1 26 | 22 9 | 0 58 | 23 37 | 0 8 | 7 44 | 2 39 | 23 41 | 0 11 | 15 38 | 1 48 | 19 37 | 16 54 | 4 6 | 4 45 | 25 25 | 8 52 | 5 37 |
| S 11 | 12 22 | 15 37 | 3 29 | 19 10 | 0 49 | 11 30 | 1 26 | 22 1 | 0 58 | 23 37 | 0 8 | 7 43 | 2 39 | 23 42 | 0 11 | 15 38 | 1 48 | 19 38 | 16 55 | 4 4 | 4 44 | 25 27 | 8 50 | 5 37 |
| S 12 | 12 1 | 9 42 | 2 30 | 19 13 | 0 37 | 11 2 | 1 26 | 21 53 | 0 59 | 23 37 | 0 8 | 7 42 | 2 40 | 23 42 | 0 11 | 15 38 | 1 48 | 19 39 | 16 55 | 4 2 | 4 43 | 25 29 | 8 49 | 5 37 |
| M13 | 11 40 | 3 29 | 1 24 | 19 15 | 0 25 | 10 34 | 1 26 | 21 44 | 0 59 | 23 37 | 0 8 | 7 42 | 2 40 | 23 42 | 0 11 | 15 37 | 1 48 | 19 39 | 16 55 | 4 1 | 4 41 | 25 31 | 8 48 | 5 37 |
| T 14 | 11 19 | 2s43 | 0 15 | 19 15 | 0 14 | 10 6 | 1 25 | 21 35 | 1 0 | 23 37 | 0 8 | 7 41 | 2 40 | 23 42 | 0 11 | 15 37 | 1 48 | 19 40 | 16 55 | 4 0 | 4 40 | 25 32 | 8 46 | 5 37 |
| W15 | 10 57 | 8 39 | 0s53 | 19 14 | 0 3 | 9 37 | 1 25 | 21 26 | 1 0 | 23 37 | 0 8 | 7 40 | 2 40 | 23 42 | 0 11 | 15 37 | 1 48 | 19 41 | 16 56 | 4 0 | 4 39 | 25 34 | 8 45 | 5 37 |
| T 16 | 10 36 | 14 8 | 1 58 | 19 11 | 0s 8 | 9 8 | 1 25 | 21 17 | 1 1 | 23 37 | 0 8 | 7 39 | 2 41 | 23 42 | 0 11 | 15 37 | 1 49 | 19 42 | 16 56 | 4 1 | 4 38 | 25 36 | 8 44 | 5 37 |
| F 17 | 10 14 | 19 0 | 2 55 | 19 7 | 0 18 | 8 39 | 1 24 | 21 8 | 1 1 | 23 38 | 0 8 | 7 38 | 2 41 | 23 42 | 0 11 | 15 37 | 1 49 | 19 43 | 16 56 | 4 1 | 4 36 | 25 37 | 8 43 | 5 37 |
| S 18 | 9 52 | 23 3 | 3 45 | 19 2 | 0 28 | 8 10 | 1 24 | 20 58 | 1 2 | 23 38 | 0 8 | 7 37 | 2 41 | 23 42 | 0 11 | 15 37 | 1 49 | 19 44 | 16 56 | 4 2 | 4 35 | 25 39 | 8 41 | 5 37 |
| S 19 | 9 30 | 26 7 | 4 25 | 18 55 | 0 38 | 7 41 | 1 23 | 20 48 | 1 2 | 23 38 | 0 9 | 7 36 | 2 41 | 23 42 | 0 11 | 15 37 | 1 49 | 19 44 | 16 56 | 4 2 | 4 34 | 25 41 | 8 40 | 5 37 |
| M20 | 9 8 | 28 3 | 4 53 | 18 47 | 0 47 | 7 11 | 1 22 | 20 38 | 1 3 | 23 38 | 0 9 | 7 35 | 2 41 | 23 42 | 0 11 | 15 37 | 1 49 | 19 45 | 16 57 | 4 2 | 4 33 | 25 42 | 8 39 | 5 37 |
| T 21 | 8 46 | 28 42 | 5 9 | 18 37 | 0 56 | 6 41 | 1 21 | 20 27 | 1 3 | 23 38 | 0 9 | 7 35 | 2 42 | 23 42 | 0 11 | 15 37 | 1 49 | 19 46 | 16 57 | 4 1 | 4 31 | 25 44 | 8 37 | 5 37 |
| W22 | 8 23 | 27 59 | 5 11 | 18 26 | 1 4 | 6 11 | 1 21 | 20 17 | 1 4 | 23 38 | 0 9 | 7 33 | 2 42 | 23 42 | 0 11 | 15 37 | 1 49 | 19 47 | 16 57 | 3 59 | 4 30 | 25 46 | 8 36 | 5 37 |
| T 23 | 8 1 | 25 53 | 4 59 | 18 14 | 1 12 | 5 41 | 1 20 | 20 6 | 1 4 | 23 38 | 0 9 | 7 32 | 2 42 | 23 42 | 0 11 | 15 36 | 1 49 | 19 48 | 16 57 | 3 57 | 4 29 | 25 47 | 8 35 | 5 37 |
| F 24 | 7 38 | 22 27 | 4 33 | 18 0 | 1 19 | 5 10 | 1 19 | 19 55 | 1 5 | 23 39 | 0 9 | 7 31 | 2 42 | 23 42 | 0 11 | 15 36 | 1 49 | 19 48 | 16 57 | 3 55 | 4 28 | 25 49 | 8 34 | 5 37 |
| S 25 | 7 15 | 17 52 | 3 51 | 17 44 | 1 26 | 4 40 | 1 18 | 19 43 | 1 5 | 23 39 | 0 9 | 7 30 | 2 42 | 23 43 | 0 11 | 15 36 | 1 49 | 19 49 | 16 57 | 3 53 | 4 26 | 25 51 | 8 32 | 5 38 |
| S 26 | 6 52 | 12 21 | 2 57 | 17 28 | 1 33 | 4 9 | 1 17 | 19 32 | 1 6 | 23 39 | 0 9 | 7 29 | 2 43 | 23 43 | 0 11 | 15 36 | 1 49 | 19 50 | 16 58 | 3 52 | 4 25 | 25 52 | 8 31 | 5 38 |
| M27 | 6 29 | 6 7 | 1 51 | 17 9 | 1 39 | 3 39 | 1 16 | 19 20 | 1 6 | 23 39 | 0 9 | 7 28 | 2 43 | 23 43 | 0 11 | 15 36 | 1 49 | 19 51 | 16 58 | 3 51 | 4 24 | 25 54 | 8 30 | 5 38 |
| T 28 | 6s 6 | 0n30 | 0s38 | 16s50 | 1s45 | 3s 8 | 1s14 | 19s 8 | 1s 7 | 23n39 | 0n 9 | 7s27 | 2n43 | 23s43 | 0s11 | 15s36 | 1n49 | 19n51 | 16n58 | 3n50 | 4n23 | 25s56 | 8s28 | 5n38 |

Julian Day Number = 2079764.5, Delta T = 25m54s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'12, Lahiri = 9°40'13 Julian Calendar 1 Feb. 982 == Greg. Calendar 6 Feb. 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## MARCH 982 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 54 33 | 15♓34'00 | 16♈41 | 20♒30 | 26♓15 | 9♒56 | 25♊36 | 25°R37 | 26♐17 | 18°R11 | 19°R 5 | 9°D38 | 10♈57 | 7♐39 | 23♒28 | W 1 |
| T 2 | 10 58 30 | 16°33'31 | 0♉48 | 21°54 | 27°29 | 10°43 | 25°39 | 25♎34 | 26°18 | 18♏10 | 19♍ 3 | 9♈39 | 10°54 | 7°46 | 23°32 | T 2 |
| F 3 | 11 2 27 | 17°32'59 | 15° 0 | 23°19 | 28°44 | 11°29 | 25°42 | 25°31 | 26°20 | 18°10 | 19° 2 | 9°40 | 10°51 | 7°53 | 23°36 | F 3 |
| S 4 | 11 6 23 | 18°32'25 | 29°14 | 24°45 | 29°58 | 12°16 | 25°45 | 25°28 | 26°21 | 18° 9 | 19° 0 | 9°42 | 10°47 | 7°59 | 23°40 | S 4 |
| S 5 | 11 10 20 | 19°31'49 | 13♊27 | 26°13 | 1♈12 | 13° 2 | 25°49 | 25°25 | 26°22 | 18° 8 | 18°58 | 9°R43 | 10°44 | 8° 6 | 23°43 | S 5 |
| M 6 | 11 14 16 | 20°31'10 | 27°38 | 27°43 | 2°27 | 13°49 | 25°52 | 25°22 | 26°23 | 18° 8 | 18°57 | 9°43 | 10°41 | 8°13 | 23°47 | M 6 |
| T 7 | 11 18 13 | 21°30'29 | 11♋43 | 29°14 | 3°41 | 14°35 | 25°56 | 25°19 | 26°24 | 18° 7 | 18°55 | 9°42 | 10°38 | 8°20 | 23°51 | T 7 |
| W 8 | 11 22 9 | 22°29'46 | 25°42 | 0♓46 | 4°55 | 15°22 | 26° 0 | 25°15 | 26°25 | 18° 6 | 18°54 | 9°40 | 10°35 | 8°26 | 23°54 | W 8 |
| T 9 | 11 26 6 | 23°29'00 | 9♌32 | 2°20 | 6°10 | 16° 8 | 26° 4 | 25°12 | 26°26 | 18° 6 | 18°52 | 9°38 | 10°32 | 8°33 | 23°58 | T 9 |
| F 10 | 11 30 2 | 24°28'12 | 23°10 | 3°55 | 7°24 | 16°55 | 26° 9 | 25° 8 | 26°27 | 18° 5 | 18°50 | 9°36 | 10°28 | 8°40 | 24° 1 | F 10 |
| S 11 | 11 33 59 | 25°27'21 | 6♍36 | 5°32 | 8°38 | 17°41 | 26°13 | 25° 5 | 26°28 | 18° 4 | 18°49 | 9°34 | 10°25 | 8°46 | 24° 5 | S 11 |
| S 12 | 11 37 56 | 26°26'29 | 19°47 | 7°10 | 9°52 | 18°28 | 26°18 | 25° 1 | 26°28 | 18° 3 | 18°47 | 9°32 | 10°22 | 8°53 | 24° 8 | S 12 |
| M13 | 11 41 52 | 27°25'34 | 2♎44 | 8°50 | 11° 7 | 19°14 | 26°23 | 24°57 | 26°29 | 18° 2 | 18°45 | 9°32 | 10°19 | 9° 0 | 24°12 | M13 |
| T 14 | 11 45 49 | 28°24'37 | 15°24 | 10°31 | 12°21 | 20° 1 | 26°28 | 24°53 | 26°30 | 18° 1 | 18°44 | 9°D32 | 10°16 | 9° 6 | 24°15 | T 14 |
| W15 | 11 49 45 | 29°23'38 | 27°50 | 12°13 | 13°35 | 20°48 | 26°33 | 24°50 | 26°30 | 18° 1 | 18°42 | 9°32 | 10°13 | 9°13 | 24°19 | W15 |
| T 16 | 11 53 42 | 0♈22'37 | 10♏ 3 | 13°57 | 14°49 | 21°34 | 26°38 | 24°46 | 26°31 | 18° 0 | 18°40 | 9°33 | 10° 9 | 9°20 | 24°22 | T 16 |
| F 17 | 11 57 38 | 1°21'35 | 22° 6 | 15°42 | 16° 3 | 22°21 | 26°44 | 24°42 | 26°31 | 17°59 | 18°39 | 9°34 | 10° 6 | 9°27 | 24°25 | F 17 |
| S 18 | 12 1 35 | 2°20'30 | 4♐ 1 | 17°29 | 17°17 | 23° 7 | 26°50 | 24°38 | 26°32 | 17°58 | 18°37 | 9°35 | 10° 3 | 9°33 | 24°29 | S 18 |
| S 19 | 12 5 31 | 3°19'24 | 15°53 | 19°17 | 18°31 | 23°54 | 26°55 | 24°34 | 26°32 | 17°57 | 18°36 | 9°35 | 10° 0 | 9°40 | 24°32 | S 19 |
| M20 | 12 9 28 | 4°18'16 | 27°46 | 21° 7 | 19°45 | 24°40 | 27° 1 | 24°30 | 26°33 | 17°56 | 18°34 | 9°36 | 9°57 | 9°47 | 24°35 | M20 |
| T 21 | 12 13 24 | 5°17'06 | 9♑45 | 22°58 | 20°59 | 25°27 | 27° 8 | 24°26 | 26°33 | 17°54 | 18°33 | 9°R36 | 9°53 | 9°53 | 24°39 | T 21 |
| W22 | 12 17 21 | 6°15'54 | 21°54 | 24°51 | 22°13 | 26°13 | 27°14 | 24°21 | 26°33 | 17°53 | 18°31 | 9°35 | 9°50 | 10° 0 | 24°42 | W22 |
| T 23 | 12 21 18 | 7°14'41 | 4♒18 | 26°45 | 23°27 | 26°59 | 27°20 | 24°17 | 26°33 | 17°52 | 18°29 | 9°35 | 9°47 | 10° 7 | 24°45 | T 23 |
| F 24 | 12 25 14 | 8°13'26 | 17° 0 | 28°41 | 24°41 | 27°46 | 27°27 | 24°13 | 26°34 | 17°51 | 18°28 | 9°35 | 9°44 | 10°14 | 24°48 | F 24 |
| S 25 | 12 29 11 | 9°12'09 | 0♓ 4 | 0♈38 | 25°55 | 28°32 | 27°34 | 24° 9 | 26°34 | 17°50 | 18°26 | 9°D35 | 9°41 | 10°20 | 24°51 | S 25 |
| S 26 | 12 33 7 | 10°10'50 | 13°30 | 2°37 | 27° 8 | 29°19 | 27°41 | 24° 4 | 26°R34 | 17°49 | 18°25 | 9°35 | 9°38 | 10°27 | 24°54 | S 26 |
| M27 | 12 37 4 | 11° 9'29 | 27°18 | 4°37 | 28°22 | 0♓ 5 | 27°48 | 24° 0 | 26°34 | 17°48 | 18°23 | 9°35 | 9°34 | 10°34 | 24°57 | M27 |
| T 28 | 12 41 0 | 12° 8'06 | 11♈27 | 6°38 | 29°36 | 0°52 | 27°55 | 23°56 | 26°34 | 17°46 | 18°22 | 9°R35 | 9°31 | 10°40 | 25° 0 | T 28 |
| W29 | 12 44 57 | 13° 6'41 | 25°51 | 8°41 | 0♉50 | 1°38 | 28° 2 | 23°51 | 26°34 | 17°45 | 18°20 | 9°35 | 9°28 | 10°47 | 25° 3 | W29 |
| T 30 | 12 48 53 | 14° 5'15 | 10♉26 | 10°45 | 2° 3 | 2°24 | 28° 9 | 23°47 | 26°33 | 17°44 | 18°19 | 9°35 | 9°25 | 10°54 | 25° 6 | T 30 |
| F 31 | 12 52 50 | 15♈ 3'46 | 25♉ 6 | 12♈50 | 3♉17 | 3♓11 | 28♊17 | 23♎42 | 26♐33 | 17♏43 | 18♍17 | 9♈34 | 9♈22 | 11♐ 0 | 25♒ 9 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s43 | 7n11 | 0n39 | 16s29 | 1s50 | 2s37 | 1s13 | 18s56 | 1s 7 | 23n39 | 0n 9 | 7s26 | 2n43 | 23s43 | 0s12 | 15s35 | 1n49 | 19n52 | 16n58 | 3n50 | 4n21 | 25s57 | 8s27 | 5n38 |
| T 2 | 5 20 | 13 35 | 1 54 | 16 6 | 1 55 | 2 6 | 1 12 | 18 44 | 1 8 | 23 40 | 0 10 | 7 24 | 2 43 | 23 43 | 0 12 | 15 35 | 1 49 | 19 53 | 16 58 | 3 51 | 4 20 | 25 59 | 8 26 | 5 38 |
| F 3 | 4 57 | 19 20 | 3 2 | 15 43 | 2 0 | 1 35 | 1 10 | 18 31 | 1 8 | 23 40 | 0 10 | 7 23 | 2 44 | 23 43 | 0 12 | 15 35 | 1 49 | 19 54 | 16 58 | 3 51 | 4 19 | 26 0 | 8 24 | 5 38 |
| S 4 | 4 33 | 24 0 | 4 0 | 15 17 | 2 4 | 1 4 | 1 9 | 18 19 | 1 8 | 23 40 | 0 10 | 7 22 | 2 44 | 23 43 | 0 12 | 15 35 | 1 49 | 19 54 | 16 58 | 3 52 | 4 18 | 26 2 | 8 23 | 5 38 |
| S 5 | 4 10 | 27 13 | 4 43 | 14 51 | 2 7 | 0 33 | 1 7 | 18 6 | 1 9 | 23 40 | 0 10 | 7 20 | 2 44 | 23 43 | 0 12 | 15 35 | 1 49 | 19 55 | 16 58 | 3 52 | 4 16 | 26 4 | 8 22 | 5 38 |
| M 6 | 3 47 | 28 41 | 5 8 | 14 23 | 2 11 | 0 2 | 1 6 | 17 53 | 1 9 | 23 40 | 0 10 | 7 19 | 2 44 | 23 43 | 0 12 | 15 34 | 1 50 | 19 56 | 16 58 | 3 52 | 4 15 | 26 5 | 8 21 | 5 38 |
| T 7 | 3 23 | 28 17 | 5 15 | 13 53 | 2 13 | 0n29 | 1 4 | 17 40 | 1 10 | 23 41 | 0 10 | 7 18 | 2 44 | 23 43 | 0 12 | 15 34 | 1 50 | 19 56 | 16 58 | 3 52 | 4 14 | 26 7 | 8 19 | 5 39 |
| W 8 | 3 0 | 26 5 | 5 3 | 13 22 | 2 16 | 1 0 | 1 3 | 17 26 | 1 10 | 23 41 | 0 10 | 7 16 | 2 44 | 23 43 | 0 12 | 15 34 | 1 50 | 19 57 | 16 58 | 3 51 | 4 13 | 26 8 | 8 18 | 5 39 |
| T 9 | 2 36 | 22 21 | 4 33 | 12 50 | 2 18 | 1 32 | 1 1 | 17 13 | 1 11 | 23 41 | 0 10 | 7 15 | 2 45 | 23 43 | 0 12 | 15 34 | 1 50 | 19 58 | 16 58 | 3 50 | 4 11 | 26 10 | 8 17 | 5 39 |
| F 10 | 2 13 | 17 28 | 3 49 | 12 17 | 2 19 | 2 3 | 0 59 | 16 59 | 1 11 | 23 41 | 0 10 | 7 14 | 2 45 | 23 43 | 0 12 | 15 33 | 1 50 | 19 58 | 16 58 | 3 49 | 4 10 | 26 11 | 8 15 | 5 39 |
| S 11 | 1 49 | 11 48 | 2 52 | 11 42 | 2 20 | 2 34 | 0 58 | 16 45 | 1 11 | 23 42 | 0 10 | 7 12 | 2 45 | 23 43 | 0 12 | 15 33 | 1 50 | 19 59 | 16 58 | 3 49 | 4 9 | 26 13 | 8 14 | 5 39 |
| S 12 | 1 25 | 5 42 | 1 47 | 11 6 | 2 20 | 3 5 | 0 56 | 16 31 | 1 12 | 23 42 | 0 10 | 7 11 | 2 45 | 23 43 | 0 12 | 15 33 | 1 50 | 20 0 | 16 58 | 3 48 | 4 8 | 26 14 | 8 13 | 5 39 |
| M13 | 1 2 | 0s31 | 0 38 | 10 28 | 2 20 | 3 36 | 0 54 | 16 17 | 1 12 | 23 42 | 0 11 | 7 9 | 2 45 | 23 43 | 0 12 | 15 33 | 1 50 | 20 0 | 16 58 | 3 48 | 4 6 | 26 16 | 8 12 | 5 39 |
| T 14 | 0 38 | 6 36 | 0s32 | 9 49 | 2 20 | 4 7 | 0 52 | 16 2 | 1 13 | 23 42 | 0 11 | 7 8 | 2 45 | 23 43 | 0 12 | 15 32 | 1 50 | 20 1 | 16 58 | 3 48 | 4 5 | 26 18 | 8 10 | 5 39 |
| W15 | 0 15 | 12 19 | 1 40 | 9 9 | 2 18 | 4 37 | 0 50 | 15 48 | 1 13 | 23 42 | 0 11 | 7 6 | 2 45 | 23 43 | 0 12 | 15 32 | 1 50 | 20 1 | 16 58 | 3 48 | 4 4 | 26 19 | 8 9 | 5 40 |
| T 16 | 0n 9 | 17 27 | 2 41 | 8 27 | 2 17 | 5 8 | 0 48 | 15 33 | 1 13 | 23 43 | 0 11 | 7 5 | 2 46 | 23 43 | 0 12 | 15 32 | 1 50 | 20 2 | 16 58 | 3 48 | 4 3 | 26 21 | 8 8 | 5 40 |
| F 17 | 0 33 | 21 51 | 3 35 | 7 44 | 2 15 | 5 39 | 0 46 | 15 18 | 1 14 | 23 43 | 0 11 | 7 3 | 2 46 | 23 43 | 0 12 | 15 31 | 1 50 | 20 3 | 16 58 | 3 49 | 4 1 | 26 22 | 8 7 | 5 40 |
| S 18 | 0 56 | 25 18 | 4 18 | 7 0 | 2 12 | 6 9 | 0 44 | 15 3 | 1 14 | 23 43 | 0 11 | 7 2 | 2 46 | 23 44 | 0 12 | 15 31 | 1 50 | 20 3 | 16 58 | 3 49 | 4 0 | 26 24 | 8 5 | 5 40 |
| S 19 | 1 20 | 27 38 | 4 50 | 6 15 | 2 9 | 6 39 | 0 42 | 14 48 | 1 14 | 23 43 | 0 11 | 7 0 | 2 46 | 23 44 | 0 12 | 15 31 | 1 50 | 20 4 | 16 58 | 3 49 | 3 59 | 26 25 | 8 4 | 5 40 |
| M20 | 1 43 | 28 44 | 5 10 | 5 28 | 2 6 | 7 10 | 0 39 | 14 33 | 1 15 | 23 44 | 0 11 | 6 58 | 2 46 | 23 44 | 0 12 | 15 30 | 1 50 | 20 4 | 16 58 | 3 49 | 3 58 | 26 26 | 8 3 | 5 40 |
| T 21 | 2 7 | 28 29 | 5 17 | 4 40 | 2 2 | 7 40 | 0 37 | 14 17 | 1 15 | 23 44 | 0 11 | 6 57 | 2 46 | 23 44 | 0 12 | 15 30 | 1 50 | 20 5 | 16 57 | 3 49 | 3 56 | 26 28 | 8 2 | 5 41 |
| W22 | 2 30 | 26 52 | 5 10 | 3 51 | 1 57 | 8 9 | 0 35 | 14 2 | 1 15 | 23 44 | 0 11 | 6 55 | 2 46 | 23 44 | 0 12 | 15 30 | 1 50 | 20 5 | 16 57 | 3 49 | 3 55 | 26 29 | 8 0 | 5 41 |
| T 23 | 2 53 | 23 57 | 4 48 | 3 0 | 1 52 | 8 39 | 0 33 | 13 46 | 1 16 | 23 44 | 0 11 | 6 54 | 2 46 | 23 44 | 0 12 | 15 29 | 1 50 | 20 6 | 16 57 | 3 49 | 3 54 | 26 31 | 7 59 | 5 41 |
| F 24 | 3 17 | 19 49 | 4 12 | 2 9 | 1 46 | 9 9 | 0 30 | 13 30 | 1 16 | 23 44 | 0 11 | 6 52 | 2 46 | 23 44 | 0 12 | 15 29 | 1 50 | 20 6 | 16 57 | 3 49 | 3 53 | 26 32 | 7 58 | 5 41 |
| S 25 | 3 40 | 14 40 | 3 22 | 1 16 | 1 40 | 9 38 | 0 28 | 13 14 | 1 16 | 23 45 | 0 12 | 6 50 | 2 46 | 23 44 | 0 12 | 15 29 | 1 50 | 20 7 | 16 57 | 3 49 | 3 51 | 26 34 | 7 57 | 5 41 |
| S 26 | 4 3 | 8 40 | 2 20 | 0 23 | 1 33 | 10 7 | 0 26 | 12 58 | 1 17 | 23 45 | 0 12 | 6 49 | 2 46 | 23 44 | 0 12 | 15 28 | 1 50 | 20 7 | 16 57 | 3 49 | 3 50 | 26 35 | 7 55 | 5 42 |
| M27 | 4 26 | 2 7 | 1 8 | 0n32 | 1 26 | 10 36 | 0 23 | 12 42 | 1 17 | 23 45 | 0 12 | 6 47 | 2 47 | 23 44 | 0 12 | 15 28 | 1 50 | 20 8 | 16 57 | 3 49 | 3 49 | 26 37 | 7 54 | 5 42 |
| T 28 | 4 49 | 4n43 | 0n10 | 1 27 | 1 18 | 11 4 | 0 21 | 12 26 | 1 17 | 23 45 | 0 12 | 6 45 | 2 47 | 23 44 | 0 12 | 15 28 | 1 50 | 20 8 | 16 56 | 3 49 | 3 48 | 26 38 | 7 53 | 5 42 |
| W29 | 5 12 | 11 25 | 1 29 | 2 23 | 1 10 | 11 32 | 0 18 | 12 10 | 1 18 | 23 45 | 0 12 | 6 44 | 2 47 | 23 44 | 0 12 | 15 27 | 1 50 | 20 8 | 16 56 | 3 49 | 3 46 | 26 39 | 7 52 | 5 42 |
| T 30 | 5 35 | 17 37 | 2 43 | 3 20 | 1 2 | 12 0 | 0 16 | 11 53 | 1 18 | 23 46 | 0 12 | 6 42 | 2 47 | 23 44 | 0 12 | 15 27 | 1 51 | 20 9 | 16 56 | 3 49 | 3 45 | 26 41 | 7 51 | 5 42 |
| F 31 | 5n58 | 22n48 | 3n46 | 4n17 | 0s53 | 12n28 | 0s13 | 11s37 | 1s18 | 23n46 | 0n12 | 6s40 | 2n47 | 23s44 | 0s12 | 15s26 | 1n51 | 20n 9 | 16n56 | 3n49 | 3n44 | 26s42 | 7s50 | 5n43 |

Julian Day Number = 2079792.5, Delta T = 25m53s
Ecliptic obliquity = 23°34'26, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'16, Lahiri = 9°40'17 Julian Calendar 1 March 982 == Greg. Calendar 6 March 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## APRIL 982 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 56 47 | 16♈ 2'15 | 9♊43 | 14♈56 | 4♉31 | 3♓57 | 28♊25 | 23°R38 | 26°R33 | 17°R41 | 18°R16 | 9°R33 | 9♈19 | 11♐ 7 | 25♒12 | S 1 |
| S 2 | 13 0 43 | 17° 0'43 | 24°13 | 17° 3 | 5°44 | 4°43 | 28°33 | 23♎33 | 26♐33 | 17♏40 | 18♍15 | 9♈33 | 9°15 | 11°14 | 25°15 | S 2 |
| M 3 | 13 4 40 | 17°59'08 | 8♋31 | 19°11 | 6°58 | 5°30 | 28°41 | 23°29 | 26°32 | 17°39 | 18°13 | 9°32 | 9°12 | 11°21 | 25°17 | M 3 |
| T 4 | 13 8 36 | 18°57'30 | 22°34 | 21°19 | 8°11 | 6°16 | 28°49 | 23°24 | 26°32 | 17°37 | 18°12 | 9°D32 | 9° 9 | 11°27 | 25°20 | T 4 |
| W 5 | 13 12 33 | 19°55'51 | 6♌22 | 23°28 | 9°25 | 7° 2 | 28°57 | 23°20 | 26°31 | 17°36 | 18°11 | 9°33 | 9° 6 | 11°34 | 25°23 | W 5 |
| T 6 | 13 16 29 | 20°54'09 | 19°54 | 25°36 | 10°38 | 7°48 | 29° 5 | 23°15 | 26°31 | 17°34 | 18° 9 | 9°33 | 9° 3 | 11°41 | 25°25 | T 6 |
| F 7 | 13 20 26 | 21°52'25 | 3♍10 | 27°44 | 11°52 | 8°34 | 29°14 | 23°11 | 26°30 | 17°33 | 18° 8 | 9°34 | 8°59 | 11°47 | 25°28 | F 7 |
| S 8 | 13 24 22 | 22°50'39 | 16°12 | 29°52 | 13° 5 | 9°21 | 29°22 | 23° 6 | 26°30 | 17°32 | 18° 7 | 9°35 | 8°56 | 11°54 | 25°30 | S 8 |
| S 9 | 13 28 19 | 23°48'51 | 29° 0 | 1♉59 | 14°19 | 10° 7 | 29°31 | 23° 2 | 26°29 | 17°30 | 18° 5 | 9°36 | 8°53 | 12° 1 | 25°33 | S 9 |
| M10 | 13 32 16 | 24°47'01 | 11♎35 | 4° 4 | 15°32 | 10°53 | 29°40 | 22°57 | 26°28 | 17°29 | 18° 4 | 9°R36 | 8°50 | 12° 8 | 25°35 | M10 |
| T 11 | 13 36 12 | 25°45'10 | 24° 0 | 6° 8 | 16°45 | 11°39 | 29°49 | 22°53 | 26°28 | 17°27 | 18° 3 | 9°36 | 8°47 | 12°14 | 25°38 | T 11 |
| W12 | 13 40 9 | 26°43'16 | 6♏14 | 8°11 | 17°59 | 12°25 | 29°58 | 22°48 | 26°27 | 17°26 | 18° 2 | 9°35 | 8°44 | 12°21 | 25°40 | W12 |
| T 13 | 13 44 5 | 27°41'21 | 18°19 | 10°11 | 19°12 | 13°11 | 0♋ 7 | 22°44 | 26°26 | 17°24 | 18° 0 | 9°32 | 8°40 | 12°28 | 25°42 | T 13 |
| F 14 | 13 48 2 | 28°39'25 | 0♐18 | 12° 9 | 20°25 | 13°57 | 0°16 | 22°39 | 26°25 | 17°23 | 17°59 | 9°29 | 8°37 | 12°34 | 25°45 | F 14 |
| S 15 | 13 51 58 | 29°37'26 | 12°12 | 14° 5 | 21°38 | 14°43 | 0°26 | 22°35 | 26°24 | 17°21 | 17°58 | 9°26 | 8°34 | 12°41 | 25°47 | S 15 |
| S 16 | 13 55 55 | 0♑35'27 | 24° 4 | 15°58 | 22°51 | 15°29 | 0°35 | 22°30 | 26°23 | 17°20 | 17°57 | 9°23 | 8°31 | 12°48 | 25°49 | S 16 |
| M17 | 13 59 51 | 1°33'26 | 5♑57 | 17°47 | 24° 5 | 16°15 | 0°45 | 22°26 | 26°22 | 17°18 | 17°56 | 9°21 | 8°28 | 12°54 | 25°51 | M17 |
| T 18 | 14 3 48 | 2°31'23 | 17°55 | 19°34 | 25°18 | 17° 0 | 0°54 | 22°21 | 26°21 | 17°17 | 17°55 | 9°19 | 8°24 | 13° 1 | 25°53 | T 18 |
| W19 | 14 7 45 | 3°29'19 | 0♒ 2 | 21°18 | 26°31 | 17°46 | 1° 4 | 22°17 | 26°20 | 17°15 | 17°54 | 9°D18 | 8°21 | 13° 8 | 25°55 | W19 |
| T 20 | 14 11 41 | 4°27'14 | 12°24 | 22°58 | 27°44 | 18°32 | 1°14 | 22°13 | 26°19 | 17°14 | 17°53 | 9°18 | 8°18 | 13°15 | 25°57 | T 20 |
| F 21 | 14 15 38 | 5°25'08 | 25° 3 | 24°35 | 28°57 | 19°18 | 1°24 | 22° 8 | 26°18 | 17°12 | 17°52 | 9°19 | 8°15 | 13°21 | 25°59 | F 21 |
| S 22 | 14 19 34 | 6°23'00 | 8♓ 4 | 26° 8 | 0♊10 | 20° 4 | 1°34 | 22° 4 | 26°16 | 17°10 | 17°51 | 9°21 | 8°12 | 13°28 | 26° 1 | S 22 |
| S 23 | 14 23 31 | 7°20'51 | 21°30 | 27°38 | 1°23 | 20°49 | 1°44 | 22° 0 | 26°15 | 17° 9 | 17°50 | 9°22 | 8° 9 | 13°35 | 26° 3 | S 23 |
| M24 | 14 27 27 | 8°18'40 | 5♈23 | 29° 4 | 2°35 | 21°35 | 1°55 | 21°55 | 26°14 | 17° 7 | 17°49 | 9°R23 | 8° 5 | 13°41 | 26° 5 | M24 |
| T 25 | 14 31 24 | 9°16'28 | 19°41 | 0♊26 | 3°48 | 22°21 | 2° 5 | 21°51 | 26°12 | 17° 6 | 17°48 | 9°23 | 8° 2 | 13°48 | 26° 6 | T 25 |
| W26 | 14 35 20 | 10°14'15 | 4♉21 | 1°45 | 5° 1 | 23° 6 | 2°15 | 21°47 | 26°11 | 17° 4 | 17°47 | 9°21 | 7°59 | 13°55 | 26° 8 | W26 |
| T 27 | 14 39 17 | 11°12'01 | 19°17 | 2°59 | 6°14 | 23°52 | 2°26 | 21°43 | 26°10 | 17° 2 | 17°46 | 9°18 | 7°56 | 14° 2 | 26°10 | T 27 |
| F 28 | 14 43 14 | 12° 9'45 | 4♊20 | 4°10 | 7°27 | 24°37 | 2°36 | 21°39 | 26° 8 | 17° 1 | 17°46 | 9°13 | 7°53 | 14° 8 | 26°11 | F 28 |
| S 29 | 14 47 10 | 13° 7'28 | 19°22 | 5°17 | 8°39 | 25°23 | 2°47 | 21°35 | 26° 7 | 16°59 | 17°45 | 9° 9 | 7°50 | 14°15 | 26°13 | S 29 |
| S 30 | 14 51 7 | 14♉ 5'09 | 4♋13 | 6♊20 | 9♊52 | 26♓ 8 | 2♋58 | 21♎31 | 26♐ 5 | 16♏57 | 17♍44 | 9♈ 4 | 7♈46 | 14♐22 | 26♒14 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n21 | 26n34 | 4n35 | 5n15 | 0s43 | 12n56 | 0s11 | 11s20 | 1s18 | 23n46 | 0n12 | 6s39 | 2n47 | 23s44 | 0s12 | 15s26 | 1n51 | 20n10 | 16n56 | 3n48 | 3n43 | 26s44 | 7s48 | 5n43 |
| S 2 | 6 43 | 28 32 | 5 5 | 6 13 | 0 33 | 13 23 | 0 8 | 11 3 | 1 19 | 23 46 | 0 12 | 6 37 | 2 47 | 23 44 | 0 12 | 15 26 | 1 51 | 20 10 | 16 55 | 3 48 | 3 41 | 26 45 | 7 47 | 5 43 |
| M 3 | 7 6 | 28 34 | 5 17 | 7 11 | 0 23 | 13 50 | 0 6 | 10 46 | 1 19 | 23 46 | 0 12 | 6 35 | 2 47 | 23 44 | 0 12 | 15 25 | 1 51 | 20 10 | 16 55 | 3 48 | 3 40 | 26 46 | 7 46 | 5 43 |
| T 4 | 7 28 | 26 44 | 5 9 | 8 10 | 0 13 | 14 16 | 0 3 | 10 29 | 1 19 | 23 46 | 0 12 | 6 34 | 2 47 | 23 44 | 0 12 | 15 25 | 1 51 | 20 11 | 16 55 | 3 48 | 3 39 | 26 48 | 7 45 | 5 44 |
| W 5 | 7 50 | 23 21 | 4 43 | 9 7 | 0 2 | 14 42 | 0 1 | 10 12 | 1 19 | 23 47 | 0 12 | 6 32 | 2 47 | 23 44 | 0 12 | 15 24 | 1 51 | 20 11 | 16 55 | 3 48 | 3 38 | 26 49 | 7 44 | 5 44 |
| T 6 | 8 12 | 18 45 | 4 2 | 10 5 | 0n 8 | 15 8 | 0n 2 | 9 55 | 1 19 | 23 47 | 0 12 | 6 30 | 2 47 | 23 44 | 0 12 | 15 24 | 1 51 | 20 11 | 16 54 | 3 48 | 3 36 | 26 50 | 7 43 | 5 44 |
| F 7 | 8 34 | 13 19 | 3 8 | 11 1 | 0 19 | 15 33 | 0 5 | 9 38 | 1 20 | 23 47 | 0 13 | 6 29 | 2 47 | 23 44 | 0 12 | 15 24 | 1 51 | 20 12 | 16 54 | 3 49 | 3 35 | 26 52 | 7 42 | 5 44 |
| S 8 | 8 56 | 7 25 | 2 6 | 11 57 | 0 30 | 15 58 | 0 7 | 9 21 | 1 20 | 23 47 | 0 13 | 6 27 | 2 47 | 23 44 | 0 12 | 15 23 | 1 51 | 20 12 | 16 54 | 3 49 | 3 34 | 26 53 | 7 41 | 5 45 |
| S 9 | 9 18 | 1 18 | 0 58 | 12 52 | 0 41 | 16 23 | 0 10 | 9 3 | 1 20 | 23 47 | 0 13 | 6 25 | 2 47 | 23 44 | 0 12 | 15 23 | 1 51 | 20 12 | 16 54 | 3 50 | 3 32 | 26 54 | 7 40 | 5 45 |
| M10 | 9 39 | 4s47 | 0s11 | 13 45 | 0 51 | 16 47 | 0 13 | 8 46 | 1 20 | 23 47 | 0 13 | 6 24 | 2 47 | 23 44 | 0 12 | 15 22 | 1 51 | 20 12 | 16 53 | 3 50 | 3 31 | 26 56 | 7 39 | 5 45 |
| T 11 | 10 0 | 10 35 | 1 19 | 14 37 | 1 2 | 17 11 | 0 15 | 8 28 | 1 20 | 23 47 | 0 13 | 6 22 | 2 47 | 23 44 | 0 12 | 15 22 | 1 51 | 20 13 | 16 53 | 3 49 | 3 30 | 26 57 | 7 38 | 5 45 |
| W12 | 10 22 | 15 54 | 2 22 | 15 26 | 1 12 | 17 34 | 0 18 | 8 11 | 1 21 | 23 47 | 0 13 | 6 20 | 2 47 | 23 44 | 0 12 | 15 21 | 1 51 | 20 13 | 16 53 | 3 49 | 3 29 | 26 58 | 7 37 | 5 46 |
| T 13 | 10 43 | 20 32 | 3 18 | 16 14 | 1 21 | 17 57 | 0 21 | 7 53 | 1 21 | 23 47 | 0 13 | 6 19 | 2 47 | 23 44 | 0 12 | 15 21 | 1 51 | 20 13 | 16 52 | 3 48 | 3 27 | 27 0 | 7 36 | 5 46 |
| F 14 | 11 3 | 24 18 | 4 4 | 17 0 | 1 31 | 18 19 | 0 23 | 7 36 | 1 21 | 23 47 | 0 13 | 6 17 | 2 47 | 23 44 | 0 12 | 15 20 | 1 51 | 20 13 | 16 52 | 3 47 | 3 26 | 27 1 | 7 35 | 5 46 |
| S 15 | 11 24 | 27 0 | 4 40 | 17 44 | 1 39 | 18 41 | 0 26 | 7 18 | 1 21 | 23 48 | 0 13 | 6 15 | 2 47 | 23 44 | 0 12 | 15 20 | 1 51 | 20 13 | 16 52 | 3 46 | 3 25 | 27 2 | 7 34 | 5 46 |
| S 16 | 11 45 | 28 29 | 5 3 | 18 25 | 1 48 | 19 3 | 0 28 | 7 0 | 1 21 | 23 48 | 0 13 | 6 14 | 2 47 | 23 44 | 0 12 | 15 20 | 1 51 | 20 13 | 16 51 | 3 44 | 3 24 | 27 3 | 7 33 | 5 47 |
| M17 | 12 5 | 28 40 | 5 14 | 19 4 | 1 55 | 19 24 | 0 31 | 6 42 | 1 21 | 23 48 | 0 13 | 6 12 | 2 47 | 23 44 | 0 12 | 15 19 | 1 51 | 20 14 | 16 51 | 3 43 | 3 22 | 27 5 | 7 32 | 5 47 |
| T 18 | 12 25 | 27 30 | 5 11 | 19 41 | 2 2 | 19 44 | 0 34 | 6 24 | 1 21 | 23 48 | 0 13 | 6 10 | 2 47 | 23 44 | 0 12 | 15 19 | 1 51 | 20 14 | 16 51 | 3 43 | 3 21 | 27 6 | 7 31 | 5 47 |
| W19 | 12 45 | 25 2 | 4 54 | 20 15 | 2 8 | 20 4 | 0 36 | 6 7 | 1 22 | 23 48 | 0 13 | 6 9 | 2 46 | 23 44 | 0 12 | 15 18 | 1 51 | 20 14 | 16 50 | 3 42 | 3 20 | 27 7 | 7 30 | 5 48 |
| T 20 | 13 5 | 21 23 | 4 23 | 20 46 | 2 14 | 20 24 | 0 39 | 5 49 | 1 22 | 23 48 | 0 14 | 6 7 | 2 46 | 23 44 | 0 12 | 15 18 | 1 51 | 20 14 | 16 50 | 3 42 | 3 19 | 27 9 | 7 29 | 5 48 |
| F 21 | 13 24 | 16 41 | 3 40 | 21 15 | 2 18 | 20 43 | 0 41 | 5 31 | 1 22 | 23 48 | 0 14 | 6 6 | 2 46 | 23 44 | 0 12 | 15 17 | 1 51 | 20 14 | 16 50 | 3 43 | 3 17 | 27 10 | 7 28 | 5 48 |
| S 22 | 13 43 | 11 7 | 2 43 | 21 42 | 2 22 | 21 1 | 0 44 | 5 13 | 1 22 | 23 48 | 0 14 | 6 4 | 2 46 | 23 44 | 0 12 | 15 17 | 1 51 | 20 14 | 16 49 | 3 43 | 3 16 | 27 11 | 7 27 | 5 48 |
| S 23 | 14 2 | 4 52 | 1 36 | 22 6 | 2 25 | 21 19 | 0 47 | 4 55 | 1 22 | 23 47 | 0 14 | 6 3 | 2 46 | 23 44 | 0 13 | 15 16 | 1 51 | 20 14 | 16 49 | 3 44 | 3 15 | 27 12 | 7 26 | 5 49 |
| M24 | 14 21 | 1n49 | 0 22 | 22 28 | 2 27 | 21 36 | 0 49 | 4 37 | 1 22 | 23 47 | 0 14 | 6 1 | 2 46 | 23 44 | 0 13 | 15 16 | 1 51 | 20 14 | 16 48 | 3 44 | 3 14 | 27 13 | 7 25 | 5 49 |
| T 25 | 14 40 | 8 36 | 0n56 | 22 47 | 2 29 | 21 52 | 0 52 | 4 19 | 1 22 | 23 47 | 0 14 | 6 0 | 2 46 | 23 44 | 0 13 | 15 16 | 1 51 | 20 14 | 16 48 | 3 44 | 3 12 | 27 15 | 7 24 | 5 49 |
| W26 | 14 58 | 15 7 | 2 12 | 23 4 | 2 29 | 22 8 | 0 54 | 4 0 | 1 22 | 23 47 | 0 14 | 5 58 | 2 46 | 23 44 | 0 13 | 15 15 | 1 51 | 20 14 | 16 48 | 3 43 | 3 11 | 27 16 | 7 24 | 5 50 |
| T 27 | 15 16 | 20 52 | 3 21 | 23 18 | 2 29 | 22 24 | 0 56 | 3 42 | 1 22 | 23 47 | 0 14 | 5 57 | 2 46 | 23 44 | 0 13 | 15 15 | 1 51 | 20 14 | 16 47 | 3 42 | 3 10 | 27 17 | 7 23 | 5 50 |
| F 28 | 15 34 | 25 19 | 4 16 | 23 31 | 2 28 | 22 39 | 0 59 | 3 24 | 1 22 | 23 47 | 0 14 | 5 55 | 2 46 | 23 44 | 0 13 | 15 14 | 1 51 | 20 14 | 16 47 | 3 41 | 3 9 | 27 18 | 7 22 | 5 50 |
| S 29 | 15 52 | 28 1 | 4 53 | 23 41 | 2 25 | 22 53 | 1 1 | 3 6 | 1 22 | 23 47 | 0 14 | 5 54 | 2 45 | 23 44 | 0 13 | 15 14 | 1 51 | 20 14 | 16 46 | 3 39 | 3 7 | 27 19 | 7 21 | 5 50 |
| S 30 | 16n 9 | 28n40 | 5n10 | 23n49 | 2n22 | 23n 6 | 1n 4 | 2s48 | 1s22 | 23n47 | 0n14 | 5s53 | 2n45 | 23s44 | 0s13 | 15s13 | 1n51 | 20n14 | 16n46 | 3n37 | 3n 6 | 27s20 | 7s20 | 5n51 |

Julian Day Number = 2079823.5, Delta T = 25m53s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'20, Lahiri = 9°40'21 Julian Calendar 1 Apr. 982 == Greg. Calendar 6 Apr. 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## MAY 982 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 55 3 | 15♉ 2'49 | 18♋46 | 7♊19 | 11♊ 5 | 26♓53 | 3♋ 9 | 21°R27 | 26°R 3 | 16°R56 | 17°R43 | 9°R 0 | 7♈43 | 14♐28 | 26♒16 | M 1 |
| T 2 | 14 59 0 | 16° 0'27 | 2♌57 | 8°13 | 12°17 | 27°39 | 3°20 | 21♎23 | 26♐ 2 | 16♏54 | 17♍43 | 8♈58 | 7°40 | 14°35 | 26°17 | T 2 |
| W 3 | 15 2 56 | 16°58'04 | 16°45 | 9° 4 | 13°30 | 28°24 | 3°31 | 21°19 | 26° 0 | 16°53 | 17°42 | 8°D57 | 7°37 | 14°42 | 26°18 | W 3 |
| T 4 | 15 6 53 | 17°55'38 | 0♍10 | 9°50 | 14°42 | 29° 9 | 3°42 | 21°15 | 25°58 | 16°51 | 17°41 | 8°58 | 7°34 | 14°49 | 26°20 | T 4 |
| F 5 | 15 10 49 | 18°53'12 | 13°14 | 10°32 | 15°55 | 29°54 | 3°53 | 21°11 | 25°57 | 16°49 | 17°41 | 8°59 | 7°30 | 14°55 | 26°21 | F 5 |
| S 6 | 15 14 46 | 19°50'43 | 26° 0 | 11°10 | 17° 7 | 0♈40 | 4° 4 | 21° 7 | 25°55 | 16°48 | 17°40 | 9° 1 | 7°27 | 15° 2 | 26°22 | S 6 |
| S 7 | 15 18 43 | 20°48'14 | 8♎31 | 11°43 | 18°20 | 1°25 | 4°16 | 21° 4 | 25°53 | 16°46 | 17°40 | 9°R 1 | 7°24 | 15° 9 | 26°23 | S 7 |
| M 8 | 15 22 39 | 21°45'43 | 20°51 | 12°11 | 19°32 | 2°10 | 4°27 | 21° 0 | 25°51 | 16°45 | 17°39 | 9° 1 | 7°21 | 15°15 | 26°24 | M 8 |
| T 9 | 15 26 36 | 22°43'11 | 3♏ 1 | 12°35 | 20°44 | 2°55 | 4°39 | 20°57 | 25°49 | 16°43 | 17°39 | 8°58 | 7°18 | 15°22 | 26°25 | T 9 |
| W10 | 15 30 32 | 23°40'38 | 15° 4 | 12°54 | 21°57 | 3°40 | 4°50 | 20°53 | 25°47 | 16°41 | 17°38 | 8°53 | 7°15 | 15°29 | 26°26 | W10 |
| T 11 | 15 34 29 | 24°38'03 | 27° 2 | 13° 9 | 23° 9 | 4°24 | 5° 2 | 20°50 | 25°45 | 16°40 | 17°38 | 8°47 | 7°11 | 15°36 | 26°27 | T 11 |
| F 12 | 15 38 25 | 25°35'28 | 8♐56 | 13°19 | 24°21 | 5° 9 | 5°13 | 20°47 | 25°44 | 16°38 | 17°37 | 8°39 | 7° 8 | 15°42 | 26°27 | F 12 |
| S 13 | 15 42 22 | 26°32'52 | 20°48 | 13°24 | 25°33 | 5°54 | 5°25 | 20°43 | 25°42 | 16°36 | 17°37 | 8°30 | 7° 5 | 15°49 | 26°28 | S 13 |
| S 14 | 15 46 18 | 27°30'15 | 2♑41 | 13°R25 | 26°45 | 6°39 | 5°37 | 20°40 | 25°40 | 16°35 | 17°37 | 8°21 | 7° 2 | 15°56 | 26°29 | S 14 |
| M15 | 15 50 15 | 28°27'37 | 14°35 | 13°21 | 27°57 | 7°23 | 5°49 | 20°37 | 25°37 | 16°33 | 17°36 | 8°13 | 6°59 | 16° 2 | 26°30 | M15 |
| T 16 | 15 54 12 | 29°24'59 | 26°34 | 13°13 | 29° 9 | 8° 8 | 6° 1 | 20°34 | 25°35 | 16°32 | 17°36 | 8° 6 | 6°56 | 16° 9 | 26°30 | T 16 |
| W17 | 15 58 8 | 0♊22'19 | 8♒41 | 13° 1 | 0♋21 | 8°53 | 6°13 | 20°31 | 25°33 | 16°30 | 17°36 | 8° 2 | 6°52 | 16°16 | 26°31 | W17 |
| T 18 | 16 2 5 | 1°19'40 | 21° 1 | 12°44 | 1°33 | 9°37 | 6°25 | 20°28 | 25°31 | 16°29 | 17°36 | 7°59 | 6°49 | 16°23 | 26°31 | T 18 |
| F 19 | 16 6 1 | 2°16'59 | 3♓36 | 12°24 | 2°45 | 10°22 | 6°37 | 20°25 | 25°29 | 16°27 | 17°36 | 7°D59 | 6°46 | 16°29 | 26°31 | F 19 |
| S 20 | 16 9 58 | 3°14'18 | 16°32 | 12° 1 | 3°57 | 11° 6 | 6°49 | 20°23 | 25°27 | 16°25 | 17°35 | 7°59 | 6°43 | 16°36 | 26°32 | S 20 |
| S 21 | 16 13 54 | 4°11'37 | 29°53 | 11°35 | 5° 9 | 11°50 | 7° 1 | 20°20 | 25°25 | 16°24 | 17°35 | 8° 0 | 6°40 | 16°43 | 26°32 | S 21 |
| M22 | 16 17 51 | 5° 8'55 | 13♈41 | 11° 6 | 6°20 | 12°35 | 7°13 | 20°17 | 25°22 | 16°22 | 17°35 | 8°R 0 | 6°36 | 16°49 | 26°32 | M22 |
| T 23 | 16 21 47 | 6° 6'13 | 27°56 | 10°35 | 7°32 | 13°19 | 7°26 | 20°15 | 25°20 | 16°21 | 17°35 | 7°59 | 6°33 | 16°56 | 26°33 | T 23 |
| W24 | 16 25 44 | 7° 3'30 | 12♉39 | 10° 2 | 8°44 | 14° 3 | 7°38 | 20°13 | 25°18 | 16°19 | 17°D35 | 7°55 | 6°30 | 17° 3 | 26°33 | W24 |
| T 25 | 16 29 41 | 8° 0'47 | 27°41 | 9°29 | 9°55 | 14°47 | 7°50 | 20°10 | 25°16 | 16°18 | 17°35 | 7°49 | 6°27 | 17°10 | 26°R33 | T 25 |
| F 26 | 16 33 37 | 8°58'03 | 12♊56 | 8°55 | 11° 7 | 15°31 | 8° 3 | 20° 8 | 25°13 | 16°16 | 17°35 | 7°41 | 6°24 | 17°16 | 26°33 | F 26 |
| S 27 | 16 37 34 | 9°55'19 | 28°13 | 8°21 | 12°18 | 16°15 | 8°15 | 20° 6 | 25°11 | 16°15 | 17°35 | 7°32 | 6°21 | 17°23 | 26°33 | S 27 |
| S 28 | 16 41 30 | 10°52'34 | 13♋20 | 7°48 | 13°30 | 16°59 | 8°28 | 20° 4 | 25° 9 | 16°14 | 17°36 | 7°23 | 6°17 | 17°30 | 26°32 | S 28 |
| M29 | 16 45 27 | 11°49'49 | 28° 8 | 7°17 | 14°41 | 17°43 | 8°41 | 20° 2 | 25° 6 | 16°12 | 17°36 | 7°15 | 6°14 | 17°36 | 26°32 | M29 |
| T 30 | 16 49 23 | 12°47'03 | 12♌31 | 6°47 | 15°53 | 18°27 | 8°53 | 20° 0 | 25° 4 | 16°11 | 17°36 | 7°10 | 6°11 | 17°43 | 26°32 | T 30 |
| W31 | 16 53 20 | 13♊44'16 | 26♌26 | 6♊19 | 17♋ 4 | 19♈10 | 9♋ 6 | 19♎58 | 25♐ 2 | 16♏ 9 | 17♍36 | 7♈ 6 | 6♈ 8 | 17♐50 | 26♒32 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n26 | 27n19 | 5n 7 | 23n55 | 2n18 | 23n19 | 1n 6 | 2s30 | 1s22 | 23n46 | 0n14 | 5s51 | 2n45 | 23s44 | 0s13 | 15s13 | 1n51 | 20n14 | 16n46 | 3n35 | 3n 5 | 27s22 | 7s20 | 5n51 |
| T 2 | 16 43 | 24 13 | 4 45 | 23 59 | 2 13 | 23 31 | 1 8 | 2 12 | 1 22 | 23 46 | 0 14 | 5 50 | 2 45 | 23 43 | 0 13 | 15 12 | 1 51 | 20 14 | 16 45 | 3 34 | 3 4 | 27 23 | 7 19 | 5 51 |
| W 3 | 17 0 | 19 49 | 4 6 | 24 2 | 2 7 | 23 43 | 1 11 | 1 54 | 1 22 | 23 46 | 0 14 | 5 49 | 2 45 | 23 43 | 0 13 | 15 12 | 1 51 | 20 13 | 16 45 | 3 34 | 3 2 | 27 24 | 7 18 | 5 52 |
| T 4 | 17 16 | 14 31 | 3 15 | 24 2 | 2 0 | 23 54 | 1 13 | 1 36 | 1 22 | 23 46 | 0 15 | 5 47 | 2 45 | 23 43 | 0 13 | 15 11 | 1 51 | 20 13 | 16 44 | 3 34 | 3 1 | 27 25 | 7 17 | 5 52 |
| F 5 | 17 32 | 8 43 | 2 15 | 24 0 | 1 53 | 24 4 | 1 15 | 1 17 | 1 22 | 23 46 | 0 15 | 5 46 | 2 45 | 23 43 | 0 13 | 15 11 | 1 51 | 20 13 | 16 44 | 3 35 | 3 0 | 27 26 | 7 17 | 5 52 |
| S 6 | 17 48 | 2 40 | 1 10 | 23 57 | 1 44 | 24 13 | 1 17 | 0 59 | 1 22 | 23 45 | 0 15 | 5 45 | 2 44 | 23 43 | 0 13 | 15 10 | 1 51 | 20 13 | 16 43 | 3 35 | 2 58 | 27 27 | 7 16 | 5 53 |
| S 7 | 18 3 | 3s21 | 0 3 | 23 52 | 1 34 | 24 22 | 1 19 | 0 41 | 1 22 | 23 45 | 0 15 | 5 44 | 2 44 | 23 43 | 0 13 | 15 10 | 1 51 | 20 13 | 16 43 | 3 36 | 2 57 | 27 28 | 7 15 | 5 53 |
| M 8 | 18 18 | 9 10 | 1s 4 | 23 46 | 1 24 | 24 30 | 1 21 | 0 23 | 1 22 | 23 45 | 0 15 | 5 42 | 2 44 | 23 43 | 0 13 | 15 10 | 1 51 | 20 13 | 16 43 | 3 35 | 2 56 | 27 30 | 7 15 | 5 53 |
| T 9 | 18 33 | 14 33 | 2 6 | 23 38 | 1 12 | 24 38 | 1 23 | 0 5 | 1 22 | 23 44 | 0 15 | 5 41 | 2 44 | 23 43 | 0 13 | 15 9 | 1 51 | 20 12 | 16 42 | 3 34 | 2 55 | 27 31 | 7 14 | 5 54 |
| W10 | 18 48 | 19 21 | 3 2 | 23 28 | 1 0 | 24 45 | 1 25 | 0n13 | 1 22 | 23 44 | 0 15 | 5 40 | 2 44 | 23 43 | 0 13 | 15 9 | 1 51 | 20 12 | 16 42 | 3 33 | 2 53 | 27 32 | 7 14 | 5 54 |
| T 11 | 19 2 | 23 19 | 3 50 | 23 17 | 0 47 | 24 51 | 1 27 | 0 31 | 1 22 | 23 44 | 0 15 | 5 39 | 2 44 | 23 43 | 0 13 | 15 8 | 1 51 | 20 12 | 16 41 | 3 30 | 2 52 | 27 33 | 7 13 | 5 54 |
| F 12 | 19 16 | 26 18 | 4 27 | 23 4 | 0 33 | 24 56 | 1 29 | 0 49 | 1 22 | 23 43 | 0 15 | 5 38 | 2 43 | 23 43 | 0 13 | 15 8 | 1 51 | 20 12 | 16 41 | 3 27 | 2 51 | 27 34 | 7 12 | 5 55 |
| S 13 | 19 30 | 28 7 | 4 52 | 22 50 | 0 18 | 25 1 | 1 31 | 1 7 | 1 21 | 23 43 | 0 15 | 5 37 | 2 43 | 23 43 | 0 13 | 15 7 | 1 51 | 20 11 | 16 40 | 3 23 | 2 50 | 27 35 | 7 12 | 5 55 |
| S 14 | 19 43 | 28 38 | 5 5 | 22 35 | 0 3 | 25 4 | 1 32 | 1 25 | 1 21 | 23 42 | 0 15 | 5 36 | 2 43 | 23 43 | 0 13 | 15 7 | 1 51 | 20 11 | 16 40 | 3 20 | 2 48 | 27 36 | 7 11 | 5 55 |
| M15 | 19 56 | 27 49 | 5 5 | 22 19 | 0s13 | 25 8 | 1 34 | 1 42 | 1 21 | 23 42 | 0 15 | 5 35 | 2 43 | 23 43 | 0 13 | 15 6 | 1 51 | 20 11 | 16 39 | 3 16 | 2 47 | 27 37 | 7 11 | 5 55 |
| T 16 | 20 8 | 25 43 | 4 51 | 22 2 | 0 29 | 25 10 | 1 36 | 2 0 | 1 21 | 23 42 | 0 15 | 5 34 | 2 43 | 23 43 | 0 13 | 15 6 | 1 51 | 20 10 | 16 39 | 3 14 | 2 46 | 27 38 | 7 10 | 5 56 |
| W17 | 20 21 | 22 26 | 4 24 | 21 44 | 0 46 | 25 12 | 1 37 | 2 18 | 1 21 | 23 41 | 0 16 | 5 33 | 2 43 | 23 43 | 0 13 | 15 6 | 1 51 | 20 10 | 16 38 | 3 12 | 2 45 | 27 39 | 7 10 | 5 56 |
| T 18 | 20 32 | 18 7 | 3 45 | 21 25 | 1 3 | 25 13 | 1 39 | 2 36 | 1 21 | 23 41 | 0 16 | 5 32 | 2 42 | 23 43 | 0 13 | 15 5 | 1 51 | 20 10 | 16 38 | 3 11 | 2 43 | 27 40 | 7 9 | 5 56 |
| F 19 | 20 44 | 12 56 | 2 54 | 21 5 | 1 20 | 25 13 | 1 40 | 2 53 | 1 21 | 23 40 | 0 16 | 5 31 | 2 42 | 23 43 | 0 13 | 15 5 | 1 51 | 20 9 | 16 37 | 3 11 | 2 42 | 27 41 | 7 9 | 5 57 |
| S 20 | 20 55 | 7 4 | 1 52 | 20 45 | 1 37 | 25 13 | 1 42 | 3 11 | 1 20 | 23 40 | 0 16 | 5 30 | 2 42 | 23 43 | 0 13 | 15 4 | 1 51 | 20 9 | 16 37 | 3 11 | 2 41 | 27 42 | 7 9 | 5 57 |
| S 21 | 21 6 | 0 43 | 0 43 | 20 25 | 1 54 | 25 11 | 1 43 | 3 29 | 1 20 | 23 39 | 0 16 | 5 30 | 2 42 | 23 43 | 0 13 | 15 4 | 1 51 | 20 8 | 16 36 | 3 11 | 2 40 | 27 43 | 7 8 | 5 57 |
| M22 | 21 17 | 5n53 | 0n30 | 20 5 | 2 11 | 25 9 | 1 44 | 3 46 | 1 20 | 23 38 | 0 16 | 5 29 | 2 41 | 23 42 | 0 13 | 15 3 | 1 51 | 20 8 | 16 36 | 3 11 | 2 38 | 27 44 | 7 8 | 5 58 |
| T 23 | 21 27 | 12 26 | 1 45 | 19 44 | 2 27 | 25 7 | 1 45 | 4 4 | 1 20 | 23 38 | 0 16 | 5 28 | 2 41 | 23 42 | 0 13 | 15 3 | 1 51 | 20 8 | 16 35 | 3 11 | 2 37 | 27 45 | 7 7 | 5 58 |
| W24 | 21 37 | 18 29 | 2 54 | 19 24 | 2 43 | 25 3 | 1 47 | 4 21 | 1 20 | 23 37 | 0 16 | 5 27 | 2 41 | 23 42 | 0 13 | 15 3 | 1 51 | 20 7 | 16 35 | 3 9 | 2 36 | 27 46 | 7 7 | 5 58 |
| T 25 | 21 46 | 23 32 | 3 53 | 19 4 | 2 58 | 24 59 | 1 48 | 4 38 | 1 19 | 23 36 | 0 16 | 5 27 | 2 41 | 23 42 | 0 13 | 15 2 | 1 51 | 20 7 | 16 34 | 3 7 | 2 34 | 27 47 | 7 7 | 5 59 |
| F 26 | 21 55 | 27 2 | 4 36 | 18 45 | 3 12 | 24 54 | 1 49 | 4 56 | 1 19 | 23 36 | 0 16 | 5 26 | 2 41 | 23 42 | 0 13 | 15 2 | 1 51 | 20 6 | 16 34 | 3 4 | 2 33 | 27 48 | 7 6 | 5 59 |
| S 27 | 22 4 | 28 33 | 5 0 | 18 27 | 3 25 | 24 49 | 1 49 | 5 13 | 1 19 | 23 35 | 0 16 | 5 25 | 2 40 | 23 42 | 0 13 | 15 1 | 1 51 | 20 6 | 16 33 | 3 0 | 2 32 | 27 49 | 7 6 | 5 59 |
| S 28 | 22 12 | 27 54 | 5 2 | 18 10 | 3 37 | 24 43 | 1 50 | 5 30 | 1 19 | 23 34 | 0 16 | 5 25 | 2 40 | 23 42 | 0 13 | 15 1 | 1 51 | 20 5 | 16 33 | 2 57 | 2 31 | 27 50 | 7 6 | 6 0 |
| M29 | 22 20 | 25 17 | 4 44 | 17 55 | 3 47 | 24 36 | 1 51 | 5 47 | 1 18 | 23 34 | 0 16 | 5 24 | 2 40 | 23 42 | 0 13 | 15 1 | 1 51 | 20 5 | 16 32 | 2 54 | 2 29 | 27 51 | 7 6 | 6 0 |
| T 30 | 22 27 | 21 6 | 4 8 | 17 40 | 3 57 | 24 28 | 1 52 | 6 4 | 1 18 | 23 33 | 0 17 | 5 24 | 2 40 | 23 42 | 0 13 | 15 0 | 1 51 | 20 4 | 16 32 | 2 51 | 2 28 | 27 52 | 7 5 | 6 0 |
| W31 | 22n35 | 15n53 | 3n19 | 17n28 | 4s 5 | 24n20 | 1n52 | 6n21 | 1s18 | 23n32 | 0n17 | 5s23 | 2n39 | 23s42 | 0s13 | 15s 0 | 1n51 | 20n 4 | 16n31 | 2n50 | 2n27 | 27s53 | 7s 5 | 6n 1 |

Julian Day Number = 2079853.5, Delta T = 25m52s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'24, Lahiri = 9°40'25 Julian Calendar 1 May 982 == Greg. Calendar 6 May 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## JUNE 982 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 57 17 | 14♊41'28 | 9♍53 | 5°R54 | 18♋15 | 19♈54 | 9♋19 | 19°R56 | 24°R59 | 16°R 8 | 17♍36 | 7°D 5 | 6♈ 5 | 17♐57 | 26°R31 | T 1 |
| F 2 | 17 1 13 | 15°38'40 | 22°54 | 5♊33 | 19°26 | 20°37 | 9°31 | 19♎55 | 24♐57 | 16♏ 7 | 17°37 | 7♈ 5 | 6° 2 | 18° 3 | 26♒31 | F 2 |
| S 3 | 17 5 10 | 16°35'51 | 5♎34 | 5°15 | 20°37 | 21°21 | 9°44 | 19°53 | 24°55 | 16° 5 | 17°37 | 7°R 5 | 5°58 | 18°10 | 26°31 | S 3 |
| S 4 | 17 9 6 | 17°33'01 | 17°57 | 5° 1 | 21°48 | 22° 4 | 9°57 | 19°52 | 24°52 | 16° 4 | 17°37 | 7° 5 | 5°55 | 18°17 | 26°30 | S 4 |
| M 5 | 17 13 3 | 18°30'11 | 0♏ 7 | 4°51 | 22°59 | 22°48 | 10°10 | 19°51 | 24°50 | 16° 3 | 17°38 | 7° 3 | 5°52 | 18°23 | 26°30 | M 5 |
| T 6 | 17 16 59 | 19°27'20 | 12° 9 | 4°45 | 24°10 | 23°31 | 10°23 | 19°49 | 24°47 | 16° 1 | 17°38 | 6°58 | 5°49 | 18°30 | 26°29 | T 6 |
| W 7 | 17 20 56 | 20°24'30 | 24° 4 | 4°D44 | 25°21 | 24°14 | 10°35 | 19°48 | 24°45 | 16° 0 | 17°39 | 6°51 | 5°46 | 18°37 | 26°28 | W 7 |
| T 8 | 17 24 52 | 21°21'38 | 5♐57 | 4°48 | 26°32 | 24°57 | 10°48 | 19°47 | 24°42 | 15°59 | 17°39 | 6°41 | 5°42 | 18°44 | 26°27 | T 8 |
| F 9 | 17 28 49 | 22°18'47 | 17°49 | 4°57 | 27°43 | 25°40 | 11° 1 | 19°46 | 24°40 | 15°58 | 17°40 | 6°29 | 5°39 | 18°50 | 26°27 | F 9 |
| S 10 | 17 32 46 | 23°15'56 | 29°42 | 5°11 | 28°53 | 26°23 | 11°14 | 19°45 | 24°38 | 15°56 | 17°40 | 6°15 | 5°36 | 18°57 | 26°26 | S 10 |
| S 11 | 17 36 42 | 24°13'04 | 11♑37 | 5°29 | 0♘ 4 | 27° 6 | 11°27 | 19°45 | 24°35 | 15°55 | 17°41 | 6° 2 | 5°33 | 19° 4 | 26°25 | S 11 |
| M12 | 17 40 39 | 25°10'13 | 23°36 | 5°53 | 1°15 | 27°49 | 11°40 | 19°44 | 24°33 | 15°54 | 17°41 | 5°50 | 5°30 | 19°11 | 26°24 | M12 |
| T 13 | 17 44 35 | 26° 7'22 | 5♒40 | 6°21 | 2°25 | 28°32 | 11°54 | 19°43 | 24°30 | 15°53 | 17°42 | 5°40 | 5°27 | 19°17 | 26°23 | T 13 |
| W14 | 17 48 32 | 27° 4'31 | 17°52 | 6°54 | 3°35 | 29°14 | 12° 7 | 19°43 | 24°28 | 15°52 | 17°43 | 5°32 | 5°23 | 19°24 | 26°22 | W14 |
| T 15 | 17 52 28 | 28° 1'40 | 0♓14 | 7°32 | 4°46 | 29°57 | 12°20 | 19°43 | 24°25 | 15°51 | 17°43 | 5°27 | 5°20 | 19°31 | 26°21 | T 15 |
| F 16 | 17 56 25 | 28°58'49 | 12°50 | 8°15 | 5°56 | 0♉39 | 12°33 | 19°42 | 24°23 | 15°49 | 17°44 | 5°25 | 5°17 | 19°37 | 26°20 | F 16 |
| S 17 | 18 0 21 | 29°55'59 | 25°44 | 9° 3 | 7° 6 | 1°22 | 12°46 | 19°42 | 24°21 | 15°48 | 17°45 | 5°24 | 5°14 | 19°44 | 26°18 | S 17 |
| S 18 | 18 4 18 | 0♋53'09 | 8♈59 | 9°55 | 8°16 | 2° 4 | 12°59 | 19°D42 | 24°18 | 15°47 | 17°46 | 5°24 | 5°11 | 19°51 | 26°17 | S 18 |
| M19 | 18 8 15 | 1°50'20 | 22°39 | 10°52 | 9°26 | 2°46 | 13°12 | 19°42 | 24°16 | 15°46 | 17°47 | 5°24 | 5° 8 | 19°58 | 26°16 | M19 |
| T 20 | 18 12 11 | 2°47'31 | 6♉46 | 11°53 | 10°36 | 3°29 | 13°26 | 19°42 | 24°13 | 15°45 | 17°47 | 5°21 | 5° 4 | 20° 4 | 26°14 | T 20 |
| W21 | 18 16 8 | 3°44'43 | 21°19 | 13° 0 | 11°46 | 4°11 | 13°39 | 19°42 | 24°11 | 15°44 | 17°48 | 5°17 | 5° 1 | 20°11 | 26°13 | W21 |
| T 22 | 18 20 4 | 4°41'55 | 6♊14 | 14°10 | 12°56 | 4°53 | 13°52 | 19°43 | 24° 9 | 15°43 | 17°49 | 5° 9 | 4°58 | 20°18 | 26°12 | T 22 |
| F 23 | 18 24 1 | 5°39'08 | 21°25 | 15°25 | 14° 6 | 5°35 | 14° 5 | 19°43 | 24° 6 | 15°43 | 17°50 | 5° 0 | 4°55 | 20°24 | 26°10 | F 23 |
| S 24 | 18 27 57 | 6°36'22 | 6♋41 | 16°44 | 15°16 | 6°16 | 14°19 | 19°44 | 24° 4 | 15°42 | 17°51 | 4°49 | 4°52 | 20°31 | 26° 8 | S 24 |
| S 25 | 18 31 54 | 7°33'35 | 21°52 | 18° 8 | 16°25 | 6°58 | 14°32 | 19°44 | 24° 2 | 15°41 | 17°52 | 4°38 | 4°48 | 20°38 | 26° 7 | S 25 |
| M26 | 18 35 51 | 8°30'49 | 6♌46 | 19°35 | 17°35 | 7°40 | 14°45 | 19°45 | 23°59 | 15°40 | 17°53 | 4°29 | 4°45 | 20°45 | 26° 5 | M26 |
| T 27 | 18 39 47 | 9°28'04 | 21°16 | 21° 7 | 18°44 | 8°21 | 14°59 | 19°46 | 23°57 | 15°39 | 17°54 | 4°22 | 4°42 | 20°51 | 26° 3 | T 27 |
| W28 | 18 43 44 | 10°25'18 | 5♍18 | 22°42 | 19°53 | 9° 3 | 15°12 | 19°47 | 23°55 | 15°38 | 17°56 | 4°17 | 4°39 | 20°58 | 26° 2 | W28 |
| T 29 | 18 47 40 | 11°22'33 | 18°51 | 24°22 | 21° 3 | 9°44 | 15°25 | 19°48 | 23°52 | 15°38 | 17°57 | 4°15 | 4°36 | 21° 5 | 26° 0 | T 29 |
| F 30 | 18 51 37 | 12♋19'48 | 1♎55 | 26♊ 5 | 22♌12 | 10♉25 | 15♋38 | 19♎49 | 23♐50 | 15♏37 | 17♍58 | 4°D14 | 4♈33 | 21♐11 | 25♒58 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n41 | 10n 3 | 2n19 | 17n17 | 4s12 | 24n11 | 1n53 | 6n38 | 1s18 | 23n31 | 0n17 | 5s23 | 2n39 | 23s42 | 0s13 | 15s 0 | 1n51 | 20n 3 | 16n31 | 2n50 | 2n26 | 27s54 | 7s 5 | 6n 1 |
| F 2 | 22 48 | 3 59 | 1 15 | 17 8 | 4 17 | 24 1 | 1 53 | 6 54 | 1 17 | 23 30 | 0 17 | 5 23 | 2 39 | 23 42 | 0 13 | 14 59 | 1 51 | 20 3 | 16 31 | 2 50 | 2 24 | 27 54 | 7 5 | 6 1 |
| S 3 | 22 54 | 2s 6 | 0 8 | 17 1 | 4 21 | 23 51 | 1 53 | 7 11 | 1 17 | 23 30 | 0 17 | 5 22 | 2 39 | 23 42 | 0 13 | 14 59 | 1 50 | 20 2 | 16 30 | 2 50 | 2 23 | 27 55 | 7 5 | 6 2 |
| S 4 | 22 59 | 7 58 | 0s57 | 16 56 | 4 23 | 23 40 | 1 54 | 7 28 | 1 17 | 23 29 | 0 17 | 5 22 | 2 38 | 23 42 | 0 13 | 14 59 | 1 50 | 20 1 | 16 30 | 2 50 | 2 22 | 27 56 | 7 5 | 6 2 |
| M 5 | 23 4 | 13 26 | 1 59 | 16 53 | 4 24 | 23 28 | 1 54 | 7 44 | 1 16 | 23 28 | 0 17 | 5 22 | 2 38 | 23 41 | 0 13 | 14 58 | 1 50 | 20 1 | 16 29 | 2 49 | 2 21 | 27 57 | 7 5 | 6 2 |
| T 6 | 23 9 | 18 20 | 2 54 | 16 53 | 4 24 | 23 16 | 1 54 | 8 0 | 1 16 | 23 27 | 0 17 | 5 22 | 2 38 | 23 41 | 0 13 | 14 58 | 1 50 | 20 0 | 16 29 | 2 47 | 2 19 | 27 58 | 7 4 | 6 2 |
| W 7 | 23 13 | 22 28 | 3 42 | 16 54 | 4 23 | 23 3 | 1 54 | 8 17 | 1 16 | 23 26 | 0 17 | 5 21 | 2 38 | 23 41 | 0 13 | 14 58 | 1 50 | 19 59 | 16 28 | 2 44 | 2 18 | 27 59 | 7 4 | 6 3 |
| T 8 | 23 17 | 25 40 | 4 19 | 16 57 | 4 20 | 22 50 | 1 54 | 8 33 | 1 15 | 23 25 | 0 17 | 5 21 | 2 37 | 23 41 | 0 13 | 14 57 | 1 50 | 19 59 | 16 28 | 2 40 | 2 17 | 28 0 | 7 4 | 6 3 |
| F 9 | 23 21 | 27 44 | 4 45 | 17 3 | 4 16 | 22 35 | 1 54 | 8 49 | 1 15 | 23 24 | 0 17 | 5 21 | 2 37 | 23 41 | 0 13 | 14 57 | 1 50 | 19 58 | 16 27 | 2 35 | 2 16 | 28 1 | 7 4 | 6 3 |
| S 10 | 23 24 | 28 33 | 4 58 | 17 10 | 4 11 | 22 21 | 1 53 | 9 5 | 1 15 | 23 23 | 0 17 | 5 21 | 2 37 | 23 41 | 0 13 | 14 57 | 1 50 | 19 58 | 16 27 | 2 30 | 2 14 | 28 1 | 7 4 | 6 4 |
| S 11 | 23 27 | 28 1 | 4 59 | 17 19 | 4 5 | 22 5 | 1 53 | 9 21 | 1 14 | 23 22 | 0 17 | 5 21 | 2 37 | 23 41 | 0 13 | 14 56 | 1 50 | 19 57 | 16 26 | 2 25 | 2 13 | 28 2 | 7 4 | 6 4 |
| M12 | 23 29 | 26 12 | 4 46 | 17 30 | 3 58 | 21 49 | 1 53 | 9 36 | 1 14 | 23 21 | 0 18 | 5 21 | 2 36 | 23 41 | 0 13 | 14 56 | 1 50 | 19 56 | 16 26 | 2 20 | 2 12 | 28 3 | 7 4 | 6 4 |
| T 13 | 23 31 | 23 10 | 4 21 | 17 42 | 3 51 | 21 33 | 1 52 | 9 52 | 1 13 | 23 20 | 0 18 | 5 21 | 2 36 | 23 41 | 0 13 | 14 56 | 1 50 | 19 55 | 16 25 | 2 16 | 2 10 | 28 4 | 7 4 | 6 5 |
| W14 | 23 32 | 19 6 | 3 43 | 17 56 | 3 42 | 21 16 | 1 51 | 10 8 | 1 13 | 23 19 | 0 18 | 5 21 | 2 36 | 23 41 | 0 13 | 14 55 | 1 50 | 19 55 | 16 25 | 2 13 | 2 9 | 28 5 | 7 5 | 6 5 |
| T 15 | 23 34 | 14 10 | 2 54 | 18 11 | 3 33 | 20 58 | 1 51 | 10 23 | 1 13 | 23 18 | 0 18 | 5 21 | 2 36 | 23 41 | 0 13 | 14 55 | 1 50 | 19 54 | 16 24 | 2 11 | 2 8 | 28 5 | 7 5 | 6 5 |
| F 16 | 23 34 | 8 34 | 1 56 | 18 28 | 3 23 | 20 40 | 1 50 | 10 38 | 1 12 | 23 16 | 0 18 | 5 21 | 2 35 | 23 40 | 0 13 | 14 55 | 1 50 | 19 53 | 16 24 | 2 10 | 2 7 | 28 6 | 7 5 | 6 5 |
| S 17 | 23 34 | 2 29 | 0 51 | 18 46 | 3 12 | 20 21 | 1 49 | 10 54 | 1 12 | 23 15 | 0 18 | 5 21 | 2 35 | 23 40 | 0 13 | 14 55 | 1 50 | 19 53 | 16 23 | 2 10 | 2 5 | 28 7 | 7 5 | 6 6 |
| S 18 | 23 34 | 3n52 | 0n19 | 19 5 | 3 1 | 20 2 | 1 48 | 11 9 | 1 11 | 23 14 | 0 18 | 5 22 | 2 35 | 23 40 | 0 13 | 14 54 | 1 50 | 19 52 | 16 23 | 2 10 | 2 4 | 28 8 | 7 5 | 6 6 |
| M19 | 23 34 | 10 15 | 1 30 | 19 24 | 2 50 | 19 42 | 1 47 | 11 24 | 1 11 | 23 13 | 0 18 | 5 22 | 2 34 | 23 40 | 0 13 | 14 54 | 1 50 | 19 51 | 16 22 | 2 9 | 2 3 | 28 9 | 7 5 | 6 6 |
| T 20 | 23 33 | 16 20 | 2 37 | 19 44 | 2 38 | 19 22 | 1 46 | 11 39 | 1 10 | 23 12 | 0 18 | 5 22 | 2 34 | 23 40 | 0 13 | 14 54 | 1 50 | 19 50 | 16 22 | 2 8 | 2 2 | 28 9 | 7 5 | 6 7 |
| W21 | 23 31 | 21 41 | 3 37 | 20 5 | 2 25 | 19 1 | 1 44 | 11 53 | 1 10 | 23 10 | 0 18 | 5 23 | 2 34 | 23 40 | 0 13 | 14 54 | 1 50 | 19 49 | 16 21 | 2 7 | 2 0 | 28 10 | 7 6 | 6 7 |
| T 22 | 23 29 | 25 47 | 4 23 | 20 26 | 2 12 | 18 40 | 1 43 | 12 8 | 1 9 | 23 9 | 0 18 | 5 23 | 2 34 | 23 40 | 0 13 | 14 53 | 1 50 | 19 49 | 16 21 | 2 4 | 1 59 | 28 11 | 7 6 | 6 7 |
| F 23 | 23 27 | 28 9 | 4 52 | 20 47 | 1 59 | 18 18 | 1 41 | 12 22 | 1 9 | 23 8 | 0 18 | 5 23 | 2 33 | 23 40 | 0 13 | 14 53 | 1 50 | 19 48 | 16 20 | 2 0 | 1 58 | 28 12 | 7 6 | 6 7 |
| S 24 | 23 24 | 28 24 | 5 0 | 21 9 | 1 46 | 17 56 | 1 40 | 12 37 | 1 8 | 23 6 | 0 19 | 5 24 | 2 33 | 23 40 | 0 13 | 14 53 | 1 50 | 19 47 | 16 20 | 1 56 | 1 57 | 28 12 | 7 6 | 6 8 |
| S 25 | 23 21 | 26 30 | 4 47 | 21 30 | 1 33 | 17 34 | 1 38 | 12 51 | 1 8 | 23 5 | 0 19 | 5 24 | 2 33 | 23 40 | 0 13 | 14 53 | 1 49 | 19 46 | 16 19 | 1 51 | 1 55 | 28 13 | 7 7 | 6 8 |
| M26 | 23 18 | 22 47 | 4 14 | 21 50 | 1 20 | 17 11 | 1 36 | 13 5 | 1 7 | 23 4 | 0 19 | 5 25 | 2 33 | 23 39 | 0 13 | 14 53 | 1 49 | 19 45 | 16 19 | 1 48 | 1 54 | 28 14 | 7 7 | 6 8 |
| T 27 | 23 14 | 17 44 | 3 26 | 22 10 | 1 6 | 16 47 | 1 34 | 13 19 | 1 7 | 23 2 | 0 19 | 5 25 | 2 32 | 23 39 | 0 13 | 14 52 | 1 49 | 19 45 | 16 19 | 1 45 | 1 53 | 28 14 | 7 7 | 6 8 |
| W28 | 23 10 | 11 53 | 2 26 | 22 29 | 0 53 | 16 24 | 1 32 | 13 33 | 1 6 | 23 1 | 0 19 | 5 26 | 2 32 | 23 39 | 0 13 | 14 52 | 1 49 | 19 44 | 16 18 | 1 43 | 1 51 | 28 15 | 7 8 | 6 9 |
| T 29 | 23 5 | 5 40 | 1 20 | 22 47 | 0 40 | 15 59 | 1 30 | 13 46 | 1 6 | 22 59 | 0 19 | 5 27 | 2 32 | 23 39 | 0 13 | 14 52 | 1 49 | 19 43 | 16 18 | 1 42 | 1 50 | 28 16 | 7 8 | 6 9 |
| F 30 | 23n 0 | 0s35 | 0n12 | 23n 4 | 0s27 | 15n35 | 1n28 | 14n 0 | 1s 5 | 22n58 | 0n19 | 5s27 | 2n32 | 23s39 | 0s13 | 14s52 | 1n49 | 19n42 | 16n17 | 1n42 | 1n49 | 28s16 | 7s 9 | 6n 9 |

Julian Day Number = 2079884.5, Delta T = 25m52s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'29, Lahiri = 9°40'29 Julian Calendar 1 June 982 == Greg. Calendar 6 June 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## JULY 982 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 55 33 | 13♋17'03 | 14♎36 | 27♊51 | 23♌21 | 11♉ 7 | 15♋52 | 19♎50 | 23°R48 | 15°R36 | 17♍59 | 4°R14 | 4♈29 | 21♐18 | 25°R56 | S 1 |
| S 2 | 18 59 30 | 14°14'19 | 26°58 | 29°41 | 24°30 | 11°48 | 16° 5 | 19°51 | 23♐46 | 15♏36 | 18° 0 | 4♈14 | 4°26 | 21°25 | 25♒54 | S 2 |
| M 3 | 19 3 26 | 15°11'35 | 9♏ 5 | 1♋34 | 25°39 | 12°29 | 16°18 | 19°53 | 23°43 | 15°35 | 18° 2 | 4°12 | 4°23 | 21°32 | 25°52 | M 3 |
| T 4 | 19 7 23 | 16° 8'51 | 21° 4 | 3°29 | 26°47 | 13° 9 | 16°32 | 19°54 | 23°41 | 15°34 | 18° 3 | 4° 7 | 4°20 | 21°38 | 25°50 | T 4 |
| W 5 | 19 11 20 | 17° 6'08 | 2♐57 | 5°27 | 27°56 | 13°50 | 16°45 | 19°56 | 23°39 | 15°34 | 18° 4 | 4° 0 | 4°17 | 21°45 | 25°48 | W 5 |
| T 6 | 19 15 16 | 18° 3'26 | 14°48 | 7°27 | 29° 4 | 14°31 | 16°58 | 19°57 | 23°37 | 15°33 | 18° 5 | 3°51 | 4°14 | 21°52 | 25°46 | T 6 |
| F 7 | 19 19 13 | 19° 0'44 | 26°40 | 9°28 | 0♍13 | 15°11 | 17°12 | 19°59 | 23°35 | 15°33 | 18° 7 | 3°39 | 4°10 | 21°59 | 25°44 | F 7 |
| S 8 | 19 23 9 | 19°58'03 | 8♑36 | 11°32 | 1°21 | 15°52 | 17°25 | 20° 1 | 23°33 | 15°32 | 18° 8 | 3°26 | 4° 7 | 22° 5 | 25°42 | S 8 |
| S 9 | 19 27 6 | 20°55'23 | 20°37 | 13°36 | 2°29 | 16°32 | 17°38 | 20° 3 | 23°31 | 15°32 | 18°10 | 3°14 | 4° 4 | 22°12 | 25°40 | S 9 |
| M10 | 19 31 2 | 21°52'43 | 2♒44 | 15°41 | 3°37 | 17°12 | 17°52 | 20° 5 | 23°28 | 15°31 | 18°11 | 3° 2 | 4° 1 | 22°19 | 25°37 | M10 |
| T 11 | 19 34 59 | 22°50'05 | 14°58 | 17°46 | 4°45 | 17°53 | 18° 5 | 20° 7 | 23°26 | 15°31 | 18°13 | 2°52 | 3°58 | 22°25 | 25°35 | T 11 |
| W12 | 19 38 55 | 23°47'27 | 27°20 | 19°52 | 5°53 | 18°33 | 18°18 | 20° 9 | 23°24 | 15°31 | 18°14 | 2°44 | 3°54 | 22°32 | 25°33 | W12 |
| T 13 | 19 42 52 | 24°44'50 | 9♓53 | 21°58 | 7° 1 | 19°13 | 18°32 | 20°12 | 23°23 | 15°30 | 18°16 | 2°40 | 3°51 | 22°39 | 25°30 | T 13 |
| F 14 | 19 46 49 | 25°42'15 | 22°38 | 24° 3 | 8° 8 | 19°52 | 18°45 | 20°14 | 23°21 | 15°30 | 18°17 | 2°37 | 3°48 | 22°46 | 25°28 | F 14 |
| S 15 | 19 50 45 | 26°39'41 | 5♈37 | 26° 8 | 9°16 | 20°32 | 18°58 | 20°17 | 23°19 | 15°30 | 18°19 | 2°D37 | 3°45 | 22°52 | 25°26 | S 15 |
| S 16 | 19 54 42 | 27°37'08 | 18°53 | 28°12 | 10°23 | 21°12 | 19°11 | 20°19 | 23°17 | 15°29 | 18°20 | 2°38 | 3°42 | 22°59 | 25°23 | S 16 |
| M17 | 19 58 38 | 28°34'36 | 2♉29 | 0♌15 | 11°30 | 21°51 | 19°25 | 20°22 | 23°15 | 15°29 | 18°22 | 2°R38 | 3°39 | 23° 6 | 25°21 | M17 |
| T 18 | 20 2 35 | 29°32'06 | 16°27 | 2°17 | 12°37 | 22°31 | 19°38 | 20°25 | 23°13 | 15°29 | 18°23 | 2°37 | 3°35 | 23°12 | 25°18 | T 18 |
| W19 | 20 6 31 | 0♌29'38 | 0♊47 | 4°18 | 13°44 | 23°10 | 19°51 | 20°28 | 23°11 | 15°29 | 18°25 | 2°33 | 3°32 | 23°19 | 25°16 | W19 |
| T 20 | 20 10 28 | 1°27'11 | 15°26 | 6°17 | 14°51 | 23°49 | 20° 4 | 20°31 | 23°10 | 15°29 | 18°27 | 2°28 | 3°29 | 23°26 | 25°13 | T 20 |
| F 21 | 20 14 24 | 2°24'45 | 0♋20 | 8°16 | 15°57 | 24°28 | 20°17 | 20°34 | 23° 8 | 15°29 | 18°29 | 2°20 | 3°26 | 23°33 | 25°10 | F 21 |
| S 22 | 20 18 21 | 3°22'21 | 15°20 | 10°13 | 17° 4 | 25° 7 | 20°30 | 20°37 | 23° 6 | 15°29 | 18°30 | 2°12 | 3°23 | 23°39 | 25° 8 | S 22 |
| S 23 | 20 22 18 | 4°19'58 | 0♌18 | 12° 8 | 18°10 | 25°46 | 20°44 | 20°40 | 23° 5 | 15°D29 | 18°32 | 2° 3 | 3°20 | 23°46 | 25° 5 | S 23 |
| M24 | 20 26 14 | 5°17'36 | 15° 5 | 14° 2 | 19°16 | 26°24 | 20°57 | 20°43 | 23° 3 | 15°29 | 18°34 | 1°55 | 3°16 | 23°53 | 25° 2 | M24 |
| T 25 | 20 30 11 | 6°15'16 | 29°32 | 15°55 | 20°22 | 27° 3 | 21°10 | 20°47 | 23° 1 | 15°29 | 18°36 | 1°49 | 3°13 | 24° 0 | 25° 0 | T 25 |
| W26 | 20 34 7 | 7°12'57 | 13♍34 | 17°46 | 21°28 | 27°41 | 21°23 | 20°50 | 23° 0 | 15°29 | 18°37 | 1°46 | 3°10 | 24° 6 | 24°57 | W26 |
| T 27 | 20 38 4 | 8°10'38 | 27° 9 | 19°36 | 22°34 | 28°20 | 21°36 | 20°54 | 22°58 | 15°29 | 18°39 | 1°D44 | 3° 7 | 24°13 | 24°54 | T 27 |
| F 28 | 20 42 0 | 9° 8'21 | 10♎17 | 21°24 | 23°39 | 28°58 | 21°49 | 20°57 | 22°57 | 15°29 | 18°41 | 1°44 | 3° 4 | 24°20 | 24°52 | F 28 |
| S 29 | 20 45 57 | 10° 6'05 | 23° 1 | 23°11 | 24°44 | 29°36 | 22° 2 | 21° 1 | 22°56 | 15°29 | 18°43 | 1°45 | 3° 0 | 24°26 | 24°49 | S 29 |
| S 30 | 20 49 53 | 11° 3'50 | 5♏26 | 24°57 | 25°50 | 0♊14 | 22°15 | 21° 5 | 22°54 | 15°29 | 18°45 | 1°R46 | 2°57 | 24°33 | 24°46 | S 30 |
| M31 | 20 53 50 | 12♌ 1'37 | 17♏35 | 26♌41 | 26♍54 | 0♊51 | 22♋28 | 21♎ 9 | 22♐53 | 15♏30 | 18♍47 | 1♈46 | 2♈54 | 24♐40 | 24♒43 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n54 | 6s37 | 0s55 | 23n19 | 0s15 | 15n10 | 1n26 | 14n13 | 1s 5 | 22n57 | 0n19 | 5s28 | 2n31 | 23s39 | 0s13 | 14s52 | 1n49 | 19n41 | 16n17 | 1n42 | 1n48 | 28s17 | 7s 9 | 6n 9 |
| S 2 | 22 48 | 12 16 | 1 57 | 23 32 | 0 2 | 14 45 | 1 24 | 14 27 | 1 4 | 22 55 | 0 19 | 5 29 | 2 31 | 23 39 | 0 13 | 14 52 | 1 49 | 19 40 | 16 16 | 1 41 | 1 46 | 28 18 | 7 9 | 6 9 |
| M 3 | 22 42 | 17 20 | 2 53 | 23 43 | 0n 9 | 14 19 | 1 21 | 14 40 | 1 3 | 22 54 | 0 19 | 5 29 | 2 31 | 23 39 | 0 13 | 14 52 | 1 49 | 19 39 | 16 16 | 1 41 | 1 45 | 28 18 | 7 10 | 6 10 |
| T 4 | 22 35 | 21 40 | 3 41 | 23 52 | 0 21 | 13 53 | 1 19 | 14 53 | 1 3 | 22 52 | 0 19 | 5 30 | 2 30 | 23 39 | 0 13 | 14 51 | 1 49 | 19 38 | 16 15 | 1 39 | 1 44 | 28 19 | 7 10 | 6 10 |
| W 5 | 22 28 | 25 5 | 4 18 | 23 59 | 0 32 | 13 27 | 1 16 | 15 5 | 1 2 | 22 50 | 0 20 | 5 31 | 2 30 | 23 39 | 0 13 | 14 51 | 1 49 | 19 38 | 16 15 | 1 36 | 1 43 | 28 20 | 7 11 | 6 10 |
| T 6 | 22 21 | 27 25 | 4 44 | 24 4 | 0 42 | 13 0 | 1 13 | 15 18 | 1 2 | 22 49 | 0 20 | 5 32 | 2 30 | 23 38 | 0 13 | 14 51 | 1 49 | 19 37 | 16 15 | 1 32 | 1 41 | 28 20 | 7 11 | 6 10 |
| F 7 | 22 13 | 28 30 | 4 58 | 24 5 | 0 51 | 12 33 | 1 10 | 15 31 | 1 1 | 22 47 | 0 20 | 5 33 | 2 30 | 23 38 | 0 13 | 14 51 | 1 49 | 19 36 | 16 14 | 1 28 | 1 40 | 28 21 | 7 12 | 6 11 |
| S 8 | 22 5 | 28 16 | 4 59 | 24 4 | 1 0 | 12 6 | 1 7 | 15 43 | 1 0 | 22 46 | 0 20 | 5 34 | 2 29 | 23 38 | 0 13 | 14 51 | 1 49 | 19 35 | 16 14 | 1 22 | 1 39 | 28 22 | 7 12 | 6 11 |
| S 9 | 21 56 | 26 43 | 4 47 | 24 0 | 1 8 | 11 39 | 1 4 | 15 55 | 1 0 | 22 44 | 0 20 | 5 35 | 2 29 | 23 38 | 0 13 | 14 51 | 1 49 | 19 34 | 16 13 | 1 17 | 1 38 | 28 22 | 7 13 | 6 11 |
| M10 | 21 47 | 23 54 | 4 22 | 23 54 | 1 16 | 11 11 | 1 1 | 16 7 | 0 59 | 22 42 | 0 20 | 5 36 | 2 29 | 23 38 | 0 13 | 14 51 | 1 49 | 19 33 | 16 13 | 1 13 | 1 36 | 28 23 | 7 13 | 6 11 |
| T 11 | 21 38 | 20 0 | 3 44 | 23 45 | 1 22 | 10 43 | 0 58 | 16 19 | 0 58 | 22 41 | 0 20 | 5 37 | 2 29 | 23 38 | 0 13 | 14 51 | 1 49 | 19 32 | 16 13 | 1 9 | 1 35 | 28 23 | 7 14 | 6 11 |
| W12 | 21 28 | 15 12 | 2 56 | 23 33 | 1 28 | 10 15 | 0 55 | 16 31 | 0 58 | 22 39 | 0 20 | 5 38 | 2 28 | 23 38 | 0 13 | 14 51 | 1 49 | 19 31 | 16 12 | 1 6 | 1 34 | 28 24 | 7 15 | 6 11 |
| T 13 | 21 18 | 9 43 | 1 58 | 23 18 | 1 33 | 9 47 | 0 51 | 16 43 | 0 57 | 22 37 | 0 20 | 5 39 | 2 28 | 23 38 | 0 13 | 14 51 | 1 48 | 19 30 | 16 12 | 1 4 | 1 32 | 28 24 | 7 15 | 6 12 |
| F 14 | 21 7 | 3 45 | 0 53 | 23 1 | 1 37 | 9 18 | 0 48 | 16 54 | 0 56 | 22 35 | 0 20 | 5 40 | 2 28 | 23 38 | 0 13 | 14 51 | 1 48 | 19 29 | 16 11 | 1 3 | 1 31 | 28 25 | 7 16 | 6 12 |
| S 15 | 20 56 | 2n29 | 0n16 | 22 41 | 1 41 | 8 49 | 0 44 | 17 5 | 0 56 | 22 34 | 0 21 | 5 41 | 2 28 | 23 38 | 0 13 | 14 51 | 1 48 | 19 28 | 16 11 | 1 3 | 1 30 | 28 26 | 7 17 | 6 12 |
| S 16 | 20 45 | 8 45 | 1 26 | 22 19 | 1 43 | 8 20 | 0 40 | 17 16 | 0 55 | 22 32 | 0 21 | 5 43 | 2 27 | 23 38 | 0 13 | 14 51 | 1 48 | 19 27 | 16 11 | 1 3 | 1 29 | 28 26 | 7 17 | 6 12 |
| M17 | 20 34 | 14 47 | 2 32 | 21 55 | 1 45 | 7 51 | 0 37 | 17 27 | 0 54 | 22 30 | 0 21 | 5 44 | 2 27 | 23 37 | 0 13 | 14 51 | 1 48 | 19 26 | 16 10 | 1 3 | 1 27 | 28 27 | 7 18 | 6 12 |
| T 18 | 20 22 | 20 13 | 3 31 | 21 29 | 1 46 | 7 22 | 0 33 | 17 38 | 0 54 | 22 28 | 0 21 | 5 45 | 2 27 | 23 37 | 0 13 | 14 51 | 1 48 | 19 25 | 16 10 | 1 3 | 1 26 | 28 27 | 7 19 | 6 12 |
| W19 | 20 9 | 24 39 | 4 19 | 21 1 | 1 47 | 6 53 | 0 29 | 17 49 | 0 53 | 22 26 | 0 21 | 5 46 | 2 27 | 23 37 | 0 13 | 14 51 | 1 48 | 19 24 | 16 10 | 1 1 | 1 25 | 28 28 | 7 19 | 6 12 |
| T 20 | 19 57 | 27 35 | 4 51 | 20 32 | 1 47 | 6 23 | 0 25 | 17 59 | 0 52 | 22 25 | 0 21 | 5 48 | 2 26 | 23 37 | 0 13 | 14 51 | 1 48 | 19 23 | 16 9 | 0 59 | 1 24 | 28 28 | 7 20 | 6 13 |
| F 21 | 19 44 | 28 38 | 5 4 | 20 0 | 1 46 | 5 53 | 0 21 | 18 10 | 0 51 | 22 23 | 0 21 | 5 49 | 2 26 | 23 37 | 0 13 | 14 51 | 1 48 | 19 22 | 16 9 | 0 56 | 1 22 | 28 29 | 7 21 | 6 13 |
| S 22 | 19 31 | 27 35 | 4 56 | 19 28 | 1 45 | 5 23 | 0 17 | 18 20 | 0 51 | 22 21 | 0 21 | 5 51 | 2 26 | 23 37 | 0 13 | 14 51 | 1 48 | 19 21 | 16 9 | 0 53 | 1 21 | 28 29 | 7 22 | 6 13 |
| S 23 | 19 17 | 24 34 | 4 28 | 18 54 | 1 43 | 4 53 | 0 12 | 18 30 | 0 50 | 22 19 | 0 21 | 5 52 | 2 26 | 23 37 | 0 13 | 14 51 | 1 48 | 19 20 | 16 8 | 0 49 | 1 20 | 28 30 | 7 22 | 6 13 |
| M24 | 19 3 | 19 57 | 3 43 | 18 18 | 1 40 | 4 23 | 0 8 | 18 40 | 0 49 | 22 17 | 0 21 | 5 54 | 2 25 | 23 37 | 0 13 | 14 51 | 1 48 | 19 19 | 16 8 | 0 46 | 1 18 | 28 30 | 7 23 | 6 13 |
| T 25 | 18 49 | 14 15 | 2 44 | 17 42 | 1 37 | 3 53 | 0 3 | 18 50 | 0 48 | 22 15 | 0 22 | 5 55 | 2 25 | 23 37 | 0 13 | 14 51 | 1 48 | 19 18 | 16 8 | 0 44 | 1 17 | 28 31 | 7 24 | 6 13 |
| W26 | 18 34 | 7 58 | 1 36 | 17 5 | 1 34 | 3 23 | 0s 1 | 18 59 | 0 47 | 22 13 | 0 22 | 5 57 | 2 25 | 23 37 | 0 13 | 14 51 | 1 48 | 19 17 | 16 7 | 0 42 | 1 16 | 28 31 | 7 25 | 6 13 |
| T 27 | 18 19 | 1 31 | 0 25 | 16 27 | 1 30 | 2 53 | 0 6 | 19 8 | 0 47 | 22 11 | 0 22 | 5 58 | 2 25 | 23 37 | 0 13 | 14 51 | 1 48 | 19 16 | 16 7 | 0 42 | 1 15 | 28 32 | 7 26 | 6 13 |
| F 28 | 18 4 | 4s48 | 0s46 | 15 48 | 1 26 | 2 22 | 0 10 | 19 18 | 0 46 | 22 9 | 0 22 | 6 0 | 2 24 | 23 36 | 0 13 | 14 51 | 1 48 | 19 15 | 16 7 | 0 42 | 1 13 | 28 32 | 7 26 | 6 13 |
| S 29 | 17 49 | 10 44 | 1 52 | 15 8 | 1 21 | 1 52 | 0 15 | 19 27 | 0 45 | 22 7 | 0 22 | 6 1 | 2 24 | 23 36 | 0 13 | 14 51 | 1 47 | 19 14 | 16 7 | 0 42 | 1 12 | 28 32 | 7 27 | 6 13 |
| S 30 | 17 33 | 16 5 | 2 51 | 14 28 | 1 16 | 1 22 | 0 20 | 19 36 | 0 44 | 22 5 | 0 22 | 6 3 | 2 24 | 23 36 | 0 13 | 14 51 | 1 47 | 19 13 | 16 6 | 0 42 | 1 11 | 28 33 | 7 28 | 6 13 |
| M31 | 17n17 | 20s42 | 3s41 | 13n48 | 1n10 | 0n51 | 0s25 | 19n44 | 0s43 | 22n 3 | 0n22 | 6s 5 | 2n24 | 23s36 | 0s13 | 14s52 | 1n47 | 19n12 | 16n 6 | 0n42 | 1n10 | 28s33 | 7s29 | 6n14 |

Julian Day Number = 2079914.5, Delta T = 25m52s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'33, Lahiri = 9°40'33 Julian Calendar 1 July 982 == Greg. Calendar 6 July 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## AUGUST 982 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 57 47 | 12♌59'24 | 29♏33 | 28♌24 | 27♍59 | 1♊29 | 22♋41 | 21♎13 | 22°R52 | 15♏30 | 18♍49 | 1°R45 | 2♈51 | 24♐47 | 24°R40 | T 1 |
| W 2 | 21 1 43 | 13°57'13 | 11♐27 | 0♍ 5 | 29° 4 | 2° 6 | 22°53 | 21°17 | 22♐50 | 15°30 | 18°51 | 1♈41 | 2°48 | 24°53 | 24♒38 | W 2 |
| T 3 | 21 5 40 | 14°55'03 | 23°19 | 1°45 | 0♎ 8 | 2°44 | 23° 6 | 21°21 | 22°49 | 15°31 | 18°53 | 1°35 | 2°45 | 25° 0 | 24°35 | T 3 |
| F 4 | 21 9 36 | 15°52'55 | 5♑13 | 3°23 | 1°12 | 3°21 | 23°19 | 21°25 | 22°48 | 15°31 | 18°55 | 1°28 | 2°41 | 25° 7 | 24°32 | F 4 |
| S 5 | 21 13 33 | 16°50'47 | 17°14 | 5° 0 | 2°16 | 3°58 | 23°32 | 21°29 | 22°47 | 15°31 | 18°57 | 1°20 | 2°38 | 25°13 | 24°29 | S 5 |
| S 6 | 21 17 29 | 17°48'42 | 29°22 | 6°36 | 3°19 | 4°35 | 23°44 | 21°34 | 22°46 | 15°32 | 18°59 | 1°12 | 2°35 | 25°20 | 24°26 | S 6 |
| M 7 | 21 21 26 | 18°46'38 | 11♒39 | 8°11 | 4°23 | 5°11 | 23°57 | 21°38 | 22°45 | 15°32 | 19° 1 | 1° 5 | 2°32 | 25°27 | 24°23 | M 7 |
| T 8 | 21 25 22 | 19°44'35 | 24° 7 | 9°44 | 5°26 | 5°48 | 24°10 | 21°42 | 22°44 | 15°33 | 19° 3 | 0°59 | 2°29 | 25°34 | 24°20 | T 8 |
| W 9 | 21 29 19 | 20°42'34 | 6♓45 | 11°16 | 6°29 | 6°24 | 24°22 | 21°47 | 22°43 | 15°33 | 19° 5 | 0°54 | 2°26 | 25°40 | 24°17 | W 9 |
| T 10 | 21 33 16 | 21°40'34 | 19°35 | 12°46 | 7°31 | 7° 0 | 24°35 | 21°52 | 22°42 | 15°34 | 19° 7 | 0°52 | 2°22 | 25°47 | 24°15 | T 10 |
| F 11 | 21 37 12 | 22°38'37 | 2♈37 | 14°16 | 8°34 | 7°37 | 24°47 | 21°56 | 22°41 | 15°34 | 19° 9 | 0°D51 | 2°19 | 25°54 | 24°12 | F 11 |
| S 12 | 21 41 9 | 23°36'41 | 15°52 | 15°43 | 9°36 | 8°13 | 25° 0 | 22° 1 | 22°40 | 15°35 | 19°11 | 0°52 | 2°16 | 26° 1 | 24° 9 | S 12 |
| S 13 | 21 45 5 | 24°34'48 | 29°20 | 17°10 | 10°37 | 8°48 | 25°12 | 22° 6 | 22°40 | 15°36 | 19°13 | 0°54 | 2°13 | 26° 7 | 24° 6 | S 13 |
| M14 | 21 49 2 | 25°32'56 | 13♉ 1 | 18°35 | 11°39 | 9°24 | 25°25 | 22°11 | 22°39 | 15°36 | 19°15 | 0°55 | 2°10 | 26°14 | 24° 3 | M14 |
| T 15 | 21 52 58 | 26°31'06 | 26°58 | 19°59 | 12°40 | 9°59 | 25°37 | 22°16 | 22°38 | 15°37 | 19°17 | 0°R55 | 2° 6 | 26°21 | 24° 0 | T 15 |
| W16 | 21 56 55 | 27°29'19 | 11♊ 8 | 21°21 | 13°41 | 10°35 | 25°49 | 22°21 | 22°38 | 15°38 | 19°20 | 0°55 | 2° 3 | 26°27 | 23°57 | W16 |
| T 17 | 22 0 51 | 28°27'34 | 25°30 | 22°42 | 14°42 | 11°10 | 26° 1 | 22°26 | 22°37 | 15°39 | 19°22 | 0°52 | 2° 0 | 26°34 | 23°54 | T 17 |
| F 18 | 22 4 48 | 29°25'51 | 10♋ 2 | 24° 1 | 15°42 | 11°45 | 26°13 | 22°31 | 22°37 | 15°39 | 19°24 | 0°49 | 1°57 | 26°41 | 23°51 | F 18 |
| S 19 | 22 8 45 | 0♍24'10 | 24°37 | 25°19 | 16°42 | 12°20 | 26°26 | 22°36 | 22°36 | 15°40 | 19°26 | 0°45 | 1°54 | 26°48 | 23°49 | S 19 |
| S 20 | 22 12 41 | 1°22'31 | 9♌11 | 26°35 | 17°41 | 12°54 | 26°38 | 22°42 | 22°36 | 15°41 | 19°28 | 0°40 | 1°51 | 26°54 | 23°46 | S 20 |
| M21 | 22 16 38 | 2°20'54 | 23°36 | 27°50 | 18°41 | 13°29 | 26°50 | 22°47 | 22°36 | 15°42 | 19°31 | 0°37 | 1°47 | 27° 1 | 23°43 | M21 |
| T 22 | 22 20 34 | 3°19'18 | 7♍46 | 29° 3 | 19°39 | 14° 3 | 27° 1 | 22°52 | 22°35 | 15°43 | 19°33 | 0°34 | 1°44 | 27° 8 | 23°40 | T 22 |
| W23 | 22 24 31 | 4°17'45 | 21°38 | 0♎14 | 20°38 | 14°37 | 27°13 | 22°58 | 22°35 | 15°44 | 19°35 | 0°32 | 1°41 | 27°14 | 23°37 | W23 |
| T 24 | 22 28 27 | 5°16'13 | 5♎ 7 | 1°23 | 21°36 | 15°11 | 27°25 | 23° 3 | 22°35 | 15°45 | 19°37 | 0°D32 | 1°38 | 27°21 | 23°34 | T 24 |
| F 25 | 22 32 24 | 6°14'43 | 18°14 | 2°30 | 22°34 | 15°44 | 27°37 | 23° 9 | 22°35 | 15°46 | 19°39 | 0°33 | 1°35 | 27°28 | 23°31 | F 25 |
| S 26 | 22 36 20 | 7°13'15 | 0♏59 | 3°35 | 23°31 | 16°18 | 27°48 | 23°15 | 22°35 | 15°47 | 19°42 | 0°34 | 1°32 | 27°35 | 23°29 | S 26 |
| S 27 | 22 40 17 | 8°11'49 | 13°26 | 4°38 | 24°28 | 16°51 | 28° 0 | 23°20 | 22°D35 | 15°48 | 19°44 | 0°36 | 1°28 | 27°41 | 23°26 | S 27 |
| M28 | 22 44 14 | 9°10'24 | 25°37 | 5°38 | 25°24 | 17°24 | 28°12 | 23°26 | 22°35 | 15°49 | 19°46 | 0°37 | 1°25 | 27°48 | 23°23 | M28 |
| T 29 | 22 48 10 | 10° 9'02 | 7♐38 | 6°36 | 26°20 | 17°57 | 28°23 | 23°32 | 22°35 | 15°50 | 19°48 | 0°R38 | 1°22 | 27°55 | 23°20 | T 29 |
| W30 | 22 52 7 | 11° 7'41 | 19°32 | 7°31 | 27°15 | 18°29 | 28°34 | 23°38 | 22°35 | 15°52 | 19°51 | 0°38 | 1°19 | 28° 2 | 23°18 | W30 |
| T 31 | 22 56 3 | 12♍ 6'21 | 1♑25 | 8♎23 | 28♎10 | 19♊ 1 | 28♋46 | 23♎44 | 22♐35 | 15♏53 | 19♍53 | 0♈37 | 1♈16 | 28♐ 8 | 23♒15 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n 1 | 24s24 | 4s21 | 13n 7 | 1n 5 | 0n21 | 0s30 | 19n53 | 0s42 | 22n 1 | 0n22 | 6s 6 | 2n23 | 23s36 | 0s13 | 14s52 | 1n47 | 19n11 | 16n 6 | 0n42 | 1n 8 | 28s34 | 7s30 | 6n14 |
| W 2 | 16 44 | 27 3 | 4 49 | 12 25 | 0 59 | 0s10 | 0 35 | 20 1 | 0 42 | 21 59 | 0 22 | 6 8 | 2 23 | 23 36 | 0 13 | 14 52 | 1 47 | 19 10 | 16 5 | 0 40 | 1 7 | 28 34 | 7 31 | 6 14 |
| T 3 | 16 27 | 28 28 | 5 4 | 11 44 | 0 52 | 0 40 | 0 40 | 20 9 | 0 41 | 21 57 | 0 23 | 6 10 | 2 23 | 23 36 | 0 13 | 14 52 | 1 47 | 19 9 | 16 5 | 0 38 | 1 6 | 28 34 | 7 32 | 6 14 |
| F 4 | 16 10 | 28 35 | 5 7 | 11 2 | 0 46 | 1 10 | 0 45 | 20 18 | 0 40 | 21 55 | 0 23 | 6 12 | 2 23 | 23 36 | 0 13 | 14 52 | 1 47 | 19 8 | 16 5 | 0 35 | 1 5 | 28 35 | 7 33 | 6 14 |
| S 5 | 15 52 | 27 21 | 4 56 | 10 20 | 0 39 | 1 41 | 0 51 | 20 25 | 0 39 | 21 53 | 0 23 | 6 13 | 2 23 | 23 36 | 0 13 | 14 52 | 1 47 | 19 7 | 16 5 | 0 32 | 1 3 | 28 35 | 7 33 | 6 14 |
| S 6 | 15 35 | 24 49 | 4 32 | 9 38 | 0 32 | 2 11 | 0 56 | 20 33 | 0 38 | 21 51 | 0 23 | 6 15 | 2 22 | 23 36 | 0 13 | 14 53 | 1 47 | 19 6 | 16 5 | 0 29 | 1 2 | 28 36 | 7 34 | 6 14 |
| M 7 | 15 17 | 21 8 | 3 55 | 8 55 | 0 24 | 2 41 | 1 1 | 20 41 | 0 37 | 21 49 | 0 23 | 6 17 | 2 22 | 23 36 | 0 13 | 14 53 | 1 47 | 19 5 | 16 4 | 0 26 | 1 1 | 28 36 | 7 35 | 6 14 |
| T 8 | 14 59 | 16 28 | 3 6 | 8 13 | 0 17 | 3 11 | 1 7 | 20 48 | 0 36 | 21 47 | 0 23 | 6 19 | 2 22 | 23 36 | 0 13 | 14 53 | 1 47 | 19 4 | 16 4 | 0 23 | 0 59 | 28 36 | 7 36 | 6 14 |
| W 9 | 14 40 | 11 3 | 2 7 | 7 31 | 0 9 | 3 41 | 1 12 | 20 55 | 0 35 | 21 45 | 0 23 | 6 21 | 2 22 | 23 36 | 0 13 | 14 53 | 1 47 | 19 3 | 16 4 | 0 22 | 0 58 | 28 37 | 7 37 | 6 14 |
| T 10 | 14 22 | 5 5 | 1 1 | 6 49 | 0 1 | 4 11 | 1 18 | 21 2 | 0 34 | 21 43 | 0 23 | 6 23 | 2 21 | 23 36 | 0 13 | 14 53 | 1 47 | 19 2 | 16 4 | 0 21 | 0 57 | 28 37 | 7 38 | 6 14 |
| F 11 | 14 3 | 1n12 | 0n10 | 6 8 | 0s 7 | 4 41 | 1 23 | 21 9 | 0 33 | 21 40 | 0 23 | 6 25 | 2 21 | 23 36 | 0 13 | 14 54 | 1 47 | 19 1 | 16 3 | 0 21 | 0 56 | 28 37 | 7 39 | 6 14 |
| S 12 | 13 43 | 7 31 | 1 21 | 5 26 | 0 15 | 5 11 | 1 29 | 21 16 | 0 32 | 21 38 | 0 24 | 6 27 | 2 21 | 23 36 | 0 13 | 14 54 | 1 47 | 19 0 | 16 3 | 0 21 | 0 54 | 28 38 | 7 40 | 6 14 |
| S 13 | 13 24 | 13 37 | 2 29 | 4 45 | 0 23 | 5 41 | 1 35 | 21 23 | 0 31 | 21 36 | 0 24 | 6 29 | 2 21 | 23 36 | 0 13 | 14 54 | 1 47 | 18 59 | 16 3 | 0 21 | 0 53 | 28 38 | 7 41 | 6 14 |
| M14 | 13 5 | 19 9 | 3 29 | 4 4 | 0 31 | 6 10 | 1 41 | 21 29 | 0 30 | 21 34 | 0 24 | 6 31 | 2 21 | 23 35 | 0 13 | 14 54 | 1 46 | 18 58 | 16 3 | 0 22 | 0 52 | 28 38 | 7 42 | 6 14 |
| T 15 | 12 45 | 23 47 | 4 19 | 3 23 | 0 40 | 6 40 | 1 46 | 21 36 | 0 29 | 21 32 | 0 24 | 6 33 | 2 20 | 23 35 | 0 13 | 14 55 | 1 46 | 18 57 | 16 3 | 0 22 | 0 51 | 28 38 | 7 43 | 6 14 |
| W16 | 12 25 | 27 5 | 4 54 | 2 43 | 0 48 | 7 9 | 1 52 | 21 42 | 0 28 | 21 30 | 0 24 | 6 35 | 2 20 | 23 35 | 0 13 | 14 55 | 1 46 | 18 56 | 16 3 | 0 22 | 0 49 | 28 39 | 7 44 | 6 13 |
| T 17 | 12 5 | 28 40 | 5 10 | 2 3 | 0 57 | 7 38 | 1 58 | 21 48 | 0 27 | 21 28 | 0 24 | 6 37 | 2 20 | 23 35 | 0 13 | 14 55 | 1 46 | 18 55 | 16 2 | 0 21 | 0 48 | 28 39 | 7 45 | 6 13 |
| F 18 | 11 44 | 28 18 | 5 8 | 1 23 | 1 5 | 8 7 | 2 4 | 21 53 | 0 26 | 21 25 | 0 24 | 6 39 | 2 20 | 23 35 | 0 13 | 14 56 | 1 46 | 18 54 | 16 2 | 0 20 | 0 47 | 28 39 | 7 46 | 6 13 |
| S 19 | 11 24 | 26 0 | 4 45 | 0 45 | 1 14 | 8 36 | 2 10 | 21 59 | 0 25 | 21 23 | 0 24 | 6 41 | 2 20 | 23 35 | 0 13 | 14 56 | 1 46 | 18 53 | 16 2 | 0 18 | 0 45 | 28 39 | 7 47 | 6 13 |
| S 20 | 11 3 | 21 59 | 4 5 | 0 6 | 1 22 | 9 4 | 2 16 | 22 5 | 0 24 | 21 21 | 0 25 | 6 43 | 2 19 | 23 35 | 0 13 | 14 56 | 1 46 | 18 52 | 16 2 | 0 16 | 0 44 | 28 40 | 7 48 | 6 13 |
| M21 | 10 42 | 16 41 | 3 8 | 0s31 | 1 31 | 9 33 | 2 22 | 22 10 | 0 23 | 21 19 | 0 25 | 6 45 | 2 19 | 23 35 | 0 13 | 14 56 | 1 46 | 18 51 | 16 2 | 0 15 | 0 43 | 28 40 | 7 49 | 6 13 |
| T 22 | 10 21 | 10 35 | 2 2 | 1 8 | 1 40 | 10 1 | 2 28 | 22 15 | 0 22 | 21 17 | 0 25 | 6 47 | 2 19 | 23 35 | 0 13 | 14 57 | 1 46 | 18 50 | 16 2 | 0 14 | 0 42 | 28 40 | 7 50 | 6 13 |
| W23 | 9 59 | 4 5 | 0 49 | 1 45 | 1 48 | 10 29 | 2 34 | 22 20 | 0 21 | 21 14 | 0 25 | 6 50 | 2 19 | 23 35 | 0 13 | 14 57 | 1 46 | 18 49 | 16 2 | 0 13 | 0 40 | 28 40 | 7 51 | 6 13 |
| T 24 | 9 38 | 2s26 | 0s25 | 2 20 | 1 57 | 10 56 | 2 40 | 22 25 | 0 20 | 21 12 | 0 25 | 6 52 | 2 19 | 23 35 | 0 13 | 14 57 | 1 46 | 18 48 | 16 2 | 0 13 | 0 39 | 28 41 | 7 52 | 6 13 |
| F 25 | 9 16 | 8 40 | 1 36 | 2 54 | 2 5 | 11 24 | 2 46 | 22 30 | 0 18 | 21 10 | 0 25 | 6 54 | 2 19 | 23 35 | 0 13 | 14 58 | 1 46 | 18 47 | 16 2 | 0 13 | 0 38 | 28 41 | 7 53 | 6 13 |
| S 26 | 8 54 | 14 22 | 2 40 | 3 28 | 2 13 | 11 51 | 2 52 | 22 35 | 0 17 | 21 8 | 0 25 | 6 56 | 2 18 | 23 35 | 0 13 | 14 58 | 1 46 | 18 46 | 16 2 | 0 14 | 0 37 | 28 41 | 7 54 | 6 13 |
| S 27 | 8 33 | 19 22 | 3 34 | 4 1 | 2 21 | 12 18 | 2 59 | 22 39 | 0 16 | 21 6 | 0 26 | 6 59 | 2 18 | 23 35 | 0 13 | 14 59 | 1 46 | 18 45 | 16 1 | 0 14 | 0 35 | 28 41 | 7 55 | 6 12 |
| M28 | 8 10 | 23 27 | 4 18 | 4 32 | 2 29 | 12 44 | 3 5 | 22 44 | 0 15 | 21 4 | 0 26 | 7 1 | 2 18 | 23 35 | 0 13 | 14 59 | 1 46 | 18 44 | 16 1 | 0 15 | 0 34 | 28 41 | 7 56 | 6 12 |
| T 29 | 7 48 | 26 28 | 4 50 | 5 2 | 2 37 | 13 11 | 3 11 | 22 48 | 0 14 | 21 1 | 0 26 | 7 3 | 2 18 | 23 35 | 0 13 | 14 59 | 1 46 | 18 43 | 16 1 | 0 15 | 0 33 | 28 42 | 7 57 | 6 12 |
| W30 | 7 26 | 28 18 | 5 9 | 5 31 | 2 45 | 13 37 | 3 17 | 22 52 | 0 13 | 20 59 | 0 26 | 7 6 | 2 18 | 23 35 | 0 13 | 15 0 | 1 46 | 18 42 | 16 1 | 0 15 | 0 32 | 28 42 | 7 58 | 6 12 |
| T 31 | 7n 3 | 28s49 | 5s15 | 5s59 | 2s52 | 14s 2 | 3s23 | 22n56 | 0s11 | 20n57 | 0n26 | 7s 8 | 2n18 | 23s35 | 0s13 | 15s 0 | 1n45 | 18n41 | 16n 1 | 0n15 | 0n30 | 28s42 | 7s59 | 6n12 |

Julian Day Number = 2079945.5, Delta T = 25m51s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'37, Lahiri = 9°40'38 Julian Calendar 1 Aug. 982 == Greg. Calendar 6 Aug. 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## SEPTEMBER 982 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 0 0 | 13♍ 5'04 | 13♉21 | 9♎12 | 29♎ 5 | 19♊34 | 28♋57 | 23♎50 | 22♐35 | 15♏54 | 19♍55 | 0°R35 | 1♈12 | 28♐15 | 23°R12 | F 1 |
| S 2 | 23 3 56 | 14° 3'48 | 25°25 | 9°57 | 29°58 | 20° 5 | 29° 8 | 23°56 | 22°35 | 15°55 | 19°58 | 0♈32 | 1° 9 | 28°22 | 23♒10 | S 2 |
| S 3 | 23 7 53 | 15° 2'34 | 7♒38 | 10°39 | 0♏51 | 20°37 | 29°19 | 24° 2 | 22°36 | 15°57 | 20° 0 | 0°30 | 1° 6 | 28°28 | 23° 7 | S 3 |
| M 4 | 23 11 49 | 16° 1'22 | 20° 5 | 11°16 | 1°44 | 21° 9 | 29°30 | 24° 8 | 22°36 | 15°58 | 20° 2 | 0°28 | 1° 3 | 28°35 | 23° 4 | M 4 |
| T 5 | 23 15 46 | 17° 0'11 | 2♓46 | 11°49 | 2°36 | 21°40 | 29°41 | 24°14 | 22°36 | 15°59 | 20° 4 | 0°26 | 1° 0 | 28°42 | 23° 2 | T 5 |
| W 6 | 23 19 43 | 17°59'03 | 15°43 | 12°18 | 3°27 | 22°11 | 29°52 | 24°20 | 22°37 | 16° 1 | 20° 7 | 0°25 | 0°57 | 28°49 | 22°59 | W 6 |
| T 7 | 23 23 39 | 18°57'57 | 28°54 | 12°41 | 4°18 | 22°42 | 0♌ 3 | 24°26 | 22°37 | 16° 2 | 20° 9 | 0°D25 | 0°53 | 28°55 | 22°57 | T 7 |
| F 8 | 23 27 36 | 19°56'52 | 12♈21 | 12°59 | 5° 8 | 23°12 | 0°13 | 24°33 | 22°38 | 16° 3 | 20°11 | 0°25 | 0°50 | 29° 2 | 22°54 | F 8 |
| S 9 | 23 31 32 | 20°55'50 | 26° 0 | 13°11 | 5°57 | 23°42 | 0°24 | 24°39 | 22°39 | 16° 5 | 20°14 | 0°25 | 0°47 | 29° 9 | 22°52 | S 9 |
| S 10 | 23 35 29 | 21°54'50 | 9♉50 | 13°R17 | 6°46 | 24°12 | 0°34 | 24°45 | 22°39 | 16° 6 | 20°16 | 0°26 | 0°44 | 29°16 | 22°49 | S 10 |
| M11 | 23 39 25 | 22°53'53 | 23°49 | 13°15 | 7°33 | 24°42 | 0°45 | 24°52 | 22°40 | 16° 8 | 20°18 | 0°27 | 0°41 | 29°22 | 22°47 | M11 |
| T 12 | 23 43 22 | 23°52'58 | 7♊55 | 13° 7 | 8°20 | 25°11 | 0°55 | 24°58 | 22°41 | 16° 9 | 20°21 | 0°27 | 0°37 | 29°29 | 22°45 | T 12 |
| W13 | 23 47 18 | 24°52'05 | 22° 6 | 12°51 | 9° 6 | 25°41 | 1° 5 | 25° 5 | 22°42 | 16°11 | 20°23 | 0°R28 | 0°34 | 29°36 | 22°42 | W13 |
| T 14 | 23 51 15 | 25°51'15 | 6♋19 | 12°28 | 9°52 | 26°10 | 1°15 | 25°11 | 22°42 | 16°13 | 20°25 | 0°28 | 0°31 | 29°42 | 22°40 | T 14 |
| F 15 | 23 55 12 | 26°50'28 | 20°32 | 11°56 | 10°36 | 26°38 | 1°25 | 25°18 | 22°43 | 16°14 | 20°27 | 0°27 | 0°28 | 29°49 | 22°38 | F 15 |
| S 16 | 23 59 8 | 27°49'42 | 4♌43 | 11°17 | 11°19 | 27° 6 | 1°35 | 25°24 | 22°44 | 16°16 | 20°30 | 0°27 | 0°25 | 29°56 | 22°36 | S 16 |
| S 17 | 0 3 5 | 28°48'59 | 18°48 | 10°30 | 12° 2 | 27°34 | 1°45 | 25°31 | 22°45 | 16°17 | 20°32 | 0°27 | 0°22 | 0♑ 3 | 22°33 | S 17 |
| M18 | 0 7 1 | 29°48'18 | 2♍45 | 9°36 | 12°43 | 28° 2 | 1°55 | 25°38 | 22°46 | 16°19 | 20°34 | 0°27 | 0°18 | 0° 9 | 22°31 | M18 |
| T 19 | 0 10 58 | 0♎47'39 | 16°30 | 8°35 | 13°23 | 28°30 | 2° 4 | 25°45 | 22°48 | 16°21 | 20°37 | 0°D27 | 0°15 | 0°16 | 22°29 | T 19 |
| W20 | 0 14 54 | 1°47'03 | 0♎ 0 | 7°30 | 14° 3 | 28°57 | 2°14 | 25°51 | 22°49 | 16°23 | 20°39 | 0°R27 | 0°12 | 0°23 | 22°27 | W20 |
| T 21 | 0 18 51 | 2°46'28 | 13°15 | 6°20 | 14°41 | 29°23 | 2°23 | 25°58 | 22°50 | 16°24 | 20°41 | 0°27 | 0° 9 | 0°29 | 22°25 | T 21 |
| F 22 | 0 22 47 | 3°45'56 | 26°12 | 5° 8 | 15°17 | 29°50 | 2°33 | 26° 5 | 22°51 | 16°26 | 20°43 | 0°26 | 0° 6 | 0°36 | 22°23 | F 22 |
| S 23 | 0 26 44 | 4°45'25 | 8♏52 | 3°56 | 15°53 | 0♋16 | 2°42 | 26°12 | 22°53 | 16°28 | 20°46 | 0°26 | 0° 3 | 0°43 | 22°21 | S 23 |
| S 24 | 0 30 40 | 5°44'57 | 21°17 | 2°45 | 16°27 | 0°42 | 2°51 | 26°18 | 22°54 | 16°30 | 20°48 | 0°25 | 29♓59 | 0°50 | 22°19 | S 24 |
| M25 | 0 34 37 | 6°44'30 | 3♐28 | 1°38 | 17° 0 | 1° 7 | 3° 0 | 26°25 | 22°55 | 16°31 | 20°50 | 0°25 | 29°56 | 0°56 | 22°17 | M25 |
| T 26 | 0 38 34 | 7°44'05 | 15°29 | 0°38 | 17°32 | 1°32 | 3° 9 | 26°32 | 22°57 | 16°33 | 20°52 | 0°24 | 29°53 | 1° 3 | 22°16 | T 26 |
| W27 | 0 42 30 | 8°43'43 | 27°24 | 29♍44 | 18° 2 | 1°57 | 3°17 | 26°39 | 22°58 | 16°35 | 20°55 | 0°23 | 29°50 | 1°10 | 22°14 | W27 |
| T 28 | 0 46 27 | 9°43'21 | 9♑17 | 29° 0 | 18°31 | 2°21 | 3°26 | 26°46 | 23° 0 | 16°37 | 20°57 | 0°D23 | 29°47 | 1°17 | 22°12 | T 28 |
| F 29 | 0 50 23 | 10°43'02 | 21°12 | 28°26 | 18°58 | 2°45 | 3°34 | 26°53 | 23° 1 | 16°39 | 20°59 | 0°23 | 29°43 | 1°23 | 22°11 | F 29 |
| S 30 | 0 54 20 | 11♎42'45 | 3♒15 | 28♍ 2 | 19♏23 | 3♋ 9 | 3♌43 | 27♎ 0 | 23♐ 3 | 16♏41 | 21♍ 1 | 0♈24 | 29♓40 | 1♑30 | 22♒ 9 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n41 | 28s 0 | 5s 7 | 6s24 | 2s59 | 14s28 | 3s29 | 23n 0 | 0s10 | 20n55 | 0n26 | 7s10 | 2n17 | 23s35 | 0s13 | 15s 1 | 1n45 | 18n41 | 16n 1 | 0n14 | 0n29 | 28s42 | 8s 0 | 6n12 |
| S 2 | 6 18 | 25 52 | 4 46 | 6 49 | 3 6 | 14 53 | 3 36 | 23 3 | 0 9 | 20 53 | 0 26 | 7 13 | 2 17 | 23 35 | 0 13 | 15 1 | 1 45 | 18 40 | 16 1 | 0 13 | 0 28 | 28 42 | 8 1 | 6 12 |
| S 3 | 5 55 | 22 31 | 4 12 | 7 11 | 3 13 | 15 18 | 3 42 | 23 7 | 0 8 | 20 50 | 0 27 | 7 15 | 2 17 | 23 35 | 0 13 | 15 1 | 1 45 | 18 39 | 16 1 | 0 12 | 0 26 | 28 42 | 8 2 | 6 11 |
| M 4 | 5 33 | 18 6 | 3 25 | 7 31 | 3 18 | 15 42 | 3 48 | 23 10 | 0 6 | 20 48 | 0 27 | 7 17 | 2 17 | 23 35 | 0 13 | 15 2 | 1 45 | 18 38 | 16 1 | 0 11 | 0 25 | 28 42 | 8 3 | 6 11 |
| T 5 | 5 10 | 12 50 | 2 27 | 7 49 | 3 24 | 16 6 | 3 54 | 23 14 | 0 5 | 20 46 | 0 27 | 7 20 | 2 17 | 23 35 | 0 13 | 15 2 | 1 45 | 18 37 | 16 1 | 0 10 | 0 24 | 28 42 | 8 4 | 6 11 |
| W 6 | 4 47 | 6 54 | 1 20 | 8 5 | 3 29 | 16 29 | 4 0 | 23 17 | 0 4 | 20 44 | 0 27 | 7 22 | 2 17 | 23 35 | 0 13 | 15 3 | 1 45 | 18 36 | 16 1 | 0 10 | 0 23 | 28 43 | 8 5 | 6 11 |
| T 7 | 4 23 | 0 34 | 0 8 | 8 18 | 3 33 | 16 53 | 4 6 | 23 20 | 0 2 | 20 42 | 0 27 | 7 25 | 2 17 | 23 35 | 0 13 | 15 3 | 1 45 | 18 35 | 16 1 | 0 10 | 0 21 | 28 43 | 8 6 | 6 11 |
| F 8 | 4 0 | 5n55 | 1n 6 | 8 28 | 3 36 | 17 15 | 4 12 | 23 23 | 0 1 | 20 40 | 0 27 | 7 27 | 2 16 | 23 35 | 0 13 | 15 4 | 1 45 | 18 34 | 16 1 | 0 10 | 0 20 | 28 43 | 8 7 | 6 10 |
| S 9 | 3 37 | 12 13 | 2 17 | 8 35 | 3 39 | 17 38 | 4 18 | 23 26 | 0n 0 | 20 38 | 0 27 | 7 29 | 2 16 | 23 35 | 0 13 | 15 4 | 1 45 | 18 33 | 16 1 | 0 10 | 0 19 | 28 43 | 8 8 | 6 10 |
| S 10 | 3 13 | 18 1 | 3 21 | 8 39 | 3 41 | 18 0 | 4 24 | 23 28 | 0 2 | 20 35 | 0 28 | 7 32 | 2 16 | 23 35 | 0 13 | 15 5 | 1 45 | 18 32 | 16 1 | 0 10 | 0 18 | 28 43 | 8 9 | 6 10 |
| M11 | 2 50 | 22 56 | 4 14 | 8 39 | 3 41 | 18 21 | 4 30 | 23 31 | 0 3 | 20 33 | 0 28 | 7 34 | 2 16 | 23 35 | 0 13 | 15 5 | 1 45 | 18 32 | 16 1 | 0 11 | 0 16 | 28 43 | 8 10 | 6 10 |
| T 12 | 2 27 | 26 34 | 4 53 | 8 35 | 3 40 | 18 42 | 4 36 | 23 34 | 0 4 | 20 31 | 0 28 | 7 37 | 2 16 | 23 36 | 0 13 | 15 6 | 1 45 | 18 31 | 16 1 | 0 11 | 0 15 | 28 43 | 8 11 | 6 9 |
| W13 | 2 3 | 28 33 | 5 13 | 8 27 | 3 38 | 19 3 | 4 41 | 23 36 | 0 6 | 20 29 | 0 28 | 7 39 | 2 16 | 23 36 | 0 13 | 15 6 | 1 45 | 18 30 | 16 2 | 0 11 | 0 14 | 28 43 | 8 12 | 6 9 |
| T 14 | 1 39 | 28 40 | 5 15 | 8 15 | 3 35 | 19 23 | 4 47 | 23 38 | 0 7 | 20 27 | 0 28 | 7 42 | 2 16 | 23 36 | 0 13 | 15 6 | 1 45 | 18 29 | 16 2 | 0 11 | 0 12 | 28 43 | 8 13 | 6 9 |
| F 15 | 1 16 | 26 54 | 4 58 | 7 58 | 3 30 | 19 42 | 4 53 | 23 41 | 0 9 | 20 25 | 0 28 | 7 44 | 2 16 | 23 36 | 0 13 | 15 7 | 1 45 | 18 28 | 16 2 | 0 11 | 0 11 | 28 43 | 8 14 | 6 9 |
| S 16 | 0 52 | 23 25 | 4 22 | 7 36 | 3 23 | 20 2 | 4 58 | 23 43 | 0 10 | 20 23 | 0 29 | 7 47 | 2 15 | 23 36 | 0 13 | 15 8 | 1 45 | 18 27 | 16 2 | 0 11 | 0 10 | 28 43 | 8 15 | 6 9 |
| S 17 | 0 28 | 18 36 | 3 31 | 7 9 | 3 14 | 20 20 | 5 4 | 23 45 | 0 12 | 20 21 | 0 29 | 7 49 | 2 15 | 23 36 | 0 13 | 15 8 | 1 45 | 18 27 | 16 2 | 0 11 | 0 9 | 28 43 | 8 16 | 6 8 |
| M18 | 0 5 | 12 51 | 2 28 | 6 38 | 3 4 | 20 38 | 5 9 | 23 47 | 0 13 | 20 19 | 0 29 | 7 52 | 2 15 | 23 36 | 0 13 | 15 9 | 1 45 | 18 26 | 16 2 | 0 11 | 0 7 | 28 43 | 8 17 | 6 8 |
| T 19 | 0s19 | 6 32 | 1 17 | 6 3 | 2 51 | 20 56 | 5 14 | 23 49 | 0 15 | 20 17 | 0 29 | 7 54 | 2 15 | 23 36 | 0 13 | 15 9 | 1 45 | 18 25 | 16 2 | 0 11 | 0 6 | 28 43 | 8 18 | 6 8 |
| W20 | 0 43 | 0 2 | 0 2 | 5 23 | 2 37 | 21 13 | 5 19 | 23 50 | 0 16 | 20 15 | 0 29 | 7 57 | 2 15 | 23 36 | 0 13 | 15 10 | 1 44 | 18 24 | 16 2 | 0 11 | 0 5 | 28 43 | 8 19 | 6 7 |
| T 21 | 1 7 | 6s20 | 1s10 | 4 41 | 2 21 | 21 29 | 5 24 | 23 52 | 0 18 | 20 13 | 0 29 | 7 59 | 2 15 | 23 36 | 0 13 | 15 10 | 1 44 | 18 23 | 16 2 | 0 11 | 0 4 | 28 43 | 8 20 | 6 7 |
| F 22 | 1 30 | 12 19 | 2 18 | 3 56 | 2 3 | 21 45 | 5 29 | 23 54 | 0 19 | 20 11 | 0 30 | 8 2 | 2 15 | 23 36 | 0 13 | 15 11 | 1 44 | 18 23 | 16 3 | 0 11 | 0 2 | 28 43 | 8 20 | 6 7 |
| S 23 | 1 54 | 17 39 | 3 17 | 3 10 | 1 44 | 22 0 | 5 34 | 23 55 | 0 21 | 20 9 | 0 30 | 8 5 | 2 15 | 23 36 | 0 13 | 15 11 | 1 44 | 18 22 | 16 3 | 0 10 | 0 1 | 28 43 | 8 21 | 6 7 |
| S 24 | 2 18 | 22 8 | 4 6 | 2 23 | 1 24 | 22 15 | 5 38 | 23 57 | 0 22 | 20 7 | 0 30 | 8 7 | 2 15 | 23 36 | 0 13 | 15 12 | 1 44 | 18 21 | 16 3 | 0 10 | 0s 0 | 28 43 | 8 22 | 6 6 |
| M25 | 2 41 | 25 35 | 4 42 | 1 38 | 1 4 | 22 29 | 5 43 | 23 58 | 0 24 | 20 5 | 0 30 | 8 10 | 2 15 | 23 36 | 0 13 | 15 12 | 1 44 | 18 20 | 16 3 | 0 10 | 0 2 | 28 43 | 8 23 | 6 6 |
| T 26 | 3 5 | 27 51 | 5 6 | 0 55 | 0 43 | 22 42 | 5 47 | 24 0 | 0 26 | 20 3 | 0 30 | 8 12 | 2 14 | 23 36 | 0 13 | 15 13 | 1 44 | 18 20 | 16 3 | 0 10 | 0 3 | 28 43 | 8 24 | 6 6 |
| W27 | 3 29 | 28 49 | 5 16 | 0 15 | 0 23 | 22 54 | 5 51 | 24 1 | 0 27 | 20 1 | 0 30 | 8 15 | 2 14 | 23 36 | 0 13 | 15 13 | 1 44 | 18 19 | 16 3 | 0 9 | 0 4 | 28 43 | 8 25 | 6 5 |
| T 28 | 3 52 | 28 27 | 5 13 | 0n21 | 0 3 | 23 6 | 5 55 | 24 2 | 0 29 | 20 0 | 0 31 | 8 17 | 2 14 | 23 37 | 0 13 | 15 14 | 1 44 | 18 18 | 16 4 | 0 9 | 0 5 | 28 43 | 8 26 | 6 5 |
| F 29 | 4 16 | 26 46 | 4 56 | 0 52 | 0n16 | 23 18 | 5 58 | 24 4 | 0 31 | 19 58 | 0 31 | 8 20 | 2 14 | 23 37 | 0 13 | 15 15 | 1 44 | 18 17 | 16 4 | 0 9 | 0 7 | 28 43 | 8 26 | 6 5 |
| S 30 | 4s39 | 23s51 | 4s26 | 1n18 | 0n33 | 23s28 | 6s 2 | 24n 5 | 0n33 | 19n56 | 0n31 | 8s23 | 2n14 | 23s37 | 0s13 | 15s15 | 1n44 | 18n17 | 16n 4 | 0n10 | 0s 8 | 28s42 | 8s27 | 6n 4 |

Julian Day Number = 2079976.5, Delta T = 25m51s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'41, Lahiri = 9°40'42 Julian Calendar 1 Sept. 982 == Greg. Calendar 6 Sept. 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## OCTOBER 982 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 58 16 | 12♎42'29 | 15♒29 | 27°R50 | 19♏47 | 3♋32 | 3♌51 | 27♎ 7 | 23♐ 5 | 16♏43 | 21♍ 3 | 0♈25 | 29♓37 | 1♉37 | 22°R 7 | S 1 |
| M 2 | 1 2 13 | 13°42'15 | 28° 0 | 27°D49 | 20° 9 | 3°54 | 3°59 | 27°14 | 23° 7 | 16°45 | 21° 5 | 0°26 | 29°34 | 1°43 | 22♒ 6 | M 2 |
| T 3 | 1 6 9 | 14°42'02 | 10♓49 | 28♍ 0 | 20°29 | 4°17 | 4° 7 | 27°21 | 23° 8 | 16°47 | 21° 8 | 0°27 | 29°31 | 1°50 | 22° 4 | T 3 |
| W 4 | 1 10 6 | 15°41'52 | 23°59 | 28°20 | 20°47 | 4°39 | 4°15 | 27°28 | 23°10 | 16°49 | 21°10 | 0°R28 | 29°28 | 1°57 | 22° 3 | W 4 |
| T 5 | 1 14 3 | 16°41'43 | 7♈30 | 28°51 | 21° 3 | 5° 0 | 4°22 | 27°35 | 23°12 | 16°51 | 21°12 | 0°28 | 29°24 | 2° 4 | 22° 2 | T 5 |
| F 6 | 1 17 59 | 17°41'37 | 21°20 | 29°31 | 21°17 | 5°21 | 4°30 | 27°42 | 23°14 | 16°53 | 21°14 | 0°27 | 29°21 | 2°10 | 22° 0 | F 6 |
| S 7 | 1 21 56 | 18°41'32 | 5♉28 | 0♎19 | 21°29 | 5°42 | 4°37 | 27°49 | 23°16 | 16°55 | 21°16 | 0°25 | 29°18 | 2°17 | 21°59 | S 7 |
| S 8 | 1 25 52 | 19°41'29 | 19°47 | 1°14 | 21°39 | 6° 2 | 4°45 | 27°57 | 23°18 | 16°57 | 21°18 | 0°23 | 29°15 | 2°24 | 21°58 | S 8 |
| M 9 | 1 29 49 | 20°41'29 | 4♊14 | 2°16 | 21°46 | 6°22 | 4°52 | 28° 4 | 23°20 | 16°59 | 21°20 | 0°20 | 29°12 | 2°31 | 21°57 | M 9 |
| T 10 | 1 33 45 | 21°41'31 | 18°41 | 3°24 | 21°52 | 6°41 | 4°59 | 28°11 | 23°22 | 17° 1 | 21°22 | 0°17 | 29° 9 | 2°37 | 21°56 | T 10 |
| W11 | 1 37 42 | 22°41'35 | 3♋ 5 | 4°37 | 21°55 | 7° 0 | 5° 6 | 28°18 | 23°24 | 17° 3 | 21°24 | 0°15 | 29° 5 | 2°44 | 21°55 | W11 |
| T 12 | 1 41 38 | 23°41'41 | 17°22 | 5°54 | 21°R56 | 7°18 | 5°12 | 28°25 | 23°27 | 17° 5 | 21°26 | 0°D14 | 29° 2 | 2°51 | 21°54 | T 12 |
| F 13 | 1 45 35 | 24°41'50 | 1♌28 | 7°15 | 21°54 | 7°36 | 5°19 | 28°32 | 23°29 | 17° 7 | 21°28 | 0°14 | 28°59 | 2°57 | 21°53 | F 13 |
| S 14 | 1 49 32 | 25°42'00 | 15°23 | 8°38 | 21°50 | 7°53 | 5°25 | 28°39 | 23°31 | 17° 9 | 21°30 | 0°15 | 28°56 | 3° 4 | 21°52 | S 14 |
| S 15 | 1 53 28 | 26°42'13 | 29° 5 | 10° 5 | 21°44 | 8°10 | 5°31 | 28°47 | 23°33 | 17°11 | 21°32 | 0°17 | 28°53 | 3°11 | 21°51 | S 15 |
| M16 | 1 57 25 | 27°42'27 | 12♍36 | 11°34 | 21°35 | 8°26 | 5°38 | 28°54 | 23°36 | 17°14 | 21°34 | 0°18 | 28°49 | 3°18 | 21°51 | M16 |
| T 17 | 2 1 21 | 28°42'44 | 25°54 | 13° 4 | 21°24 | 8°41 | 5°43 | 29° 1 | 23°38 | 17°16 | 21°36 | 0°R19 | 28°46 | 3°24 | 21°50 | T 17 |
| W18 | 2 5 18 | 29°43'03 | 9♎ 0 | 14°36 | 21°10 | 8°56 | 5°49 | 29° 8 | 23°41 | 17°18 | 21°38 | 0°19 | 28°43 | 3°31 | 21°49 | W18 |
| T 19 | 2 9 14 | 0♏43'23 | 21°53 | 16° 9 | 20°54 | 9°11 | 5°55 | 29°15 | 23°43 | 17°20 | 21°40 | 0°17 | 28°40 | 3°38 | 21°49 | T 19 |
| F 20 | 2 13 11 | 1°43'45 | 4♏35 | 17°42 | 20°36 | 9°25 | 6° 0 | 29°22 | 23°46 | 17°22 | 21°42 | 0°14 | 28°37 | 3°44 | 21°48 | F 20 |
| S 21 | 2 17 7 | 2°44'10 | 17° 4 | 19°17 | 20°15 | 9°38 | 6° 6 | 29°30 | 23°48 | 17°25 | 21°44 | 0° 9 | 28°34 | 3°51 | 21°48 | S 21 |
| S 22 | 2 21 4 | 3°44'35 | 29°22 | 20°52 | 19°52 | 9°51 | 6°11 | 29°37 | 23°51 | 17°27 | 21°46 | 0° 3 | 28°30 | 3°58 | 21°47 | S 22 |
| M23 | 2 25 1 | 4°45'03 | 11♐29 | 22°28 | 19°27 | 10° 3 | 6°16 | 29°44 | 23°53 | 17°29 | 21°48 | 29♓56 | 28°27 | 4° 5 | 21°47 | M23 |
| T 24 | 2 28 57 | 5°45'32 | 23°28 | 24° 3 | 19° 0 | 10°14 | 6°21 | 29°51 | 23°56 | 17°31 | 21°49 | 29°50 | 28°24 | 4°11 | 21°47 | T 24 |
| W25 | 2 32 54 | 6°46'02 | 5♑22 | 25°39 | 18°32 | 10°25 | 6°25 | 29°58 | 23°59 | 17°33 | 21°51 | 29°45 | 28°21 | 4°18 | 21°47 | W25 |
| T 26 | 2 36 50 | 7°46'34 | 17°13 | 27°16 | 18° 1 | 10°35 | 6°30 | 0♏ 5 | 24° 1 | 17°36 | 21°53 | 29°41 | 28°18 | 4°25 | 21°46 | T 26 |
| F 27 | 2 40 47 | 8°47'07 | 29° 6 | 28°52 | 17°29 | 10°44 | 6°34 | 0°12 | 24° 4 | 17°38 | 21°55 | 29°38 | 28°14 | 4°32 | 21°46 | F 27 |
| S 28 | 2 44 43 | 9°47'41 | 11♒ 5 | 0♏28 | 16°56 | 10°53 | 6°38 | 0°20 | 24° 7 | 17°40 | 21°56 | 29°D38 | 28°11 | 4°38 | 21°D46 | S 28 |
| S 29 | 2 48 40 | 10°48'17 | 23°16 | 2° 4 | 16°21 | 11° 1 | 6°42 | 0°27 | 24°10 | 17°42 | 21°58 | 29°38 | 28° 8 | 4°45 | 21°46 | S 29 |
| M30 | 2 52 36 | 11°48'54 | 5♓43 | 3°40 | 15°46 | 11° 8 | 6°46 | 0°34 | 24°13 | 17°45 | 22° 0 | 29°40 | 28° 5 | 4°52 | 21°47 | M30 |
| T 31 | 2 56 33 | 12♏49'32 | 18♓32 | 5♏15 | 15♏10 | 11♋15 | 6♌49 | 0♏41 | 24♐15 | 17♏47 | 22♍ 1 | 29♓41 | 28♓ 2 | 4♉58 | 21♒47 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 3 | 19s50 | 3s44 | 1n37 | 0n50 | 23s38 | 6s 5 | 24n 6 | 0n34 | 19n54 | 0n31 | 8s25 | 2n14 | 23s37 | 0s13 | 15s16 | 1n44 | 18n16 | 16n 4 | 0n10 | 0s 9 | 28s42 | 8s28 | 6n 4 |
| M 2 | 5 26 | 14 53 | 2 50 | 1 51 | 1 4 | 23 46 | 6 8 | 24 7 | 0 36 | 19 52 | 0 31 | 8 28 | 2 14 | 23 37 | 0 13 | 15 16 | 1 44 | 18 15 | 16 4 | 0 10 | 0 10 | 28 42 | 8 29 | 6 4 |
| T 3 | 5 50 | 9 11 | 1 46 | 1 59 | 1 17 | 23 54 | 6 10 | 24 8 | 0 38 | 19 51 | 0 32 | 8 30 | 2 14 | 23 37 | 0 13 | 15 17 | 1 44 | 18 15 | 16 5 | 0 11 | 0 12 | 28 42 | 8 30 | 6 4 |
| W 4 | 6 13 | 2 57 | 0 36 | 2 1 | 1 29 | 24 2 | 6 13 | 24 9 | 0 40 | 19 49 | 0 32 | 8 33 | 2 14 | 23 37 | 0 13 | 15 18 | 1 44 | 18 14 | 16 5 | 0 11 | 0 13 | 28 42 | 8 30 | 6 3 |
| T 5 | 6 36 | 3n35 | 0n39 | 1 58 | 1 39 | 24 8 | 6 15 | 24 10 | 0 42 | 19 47 | 0 32 | 8 36 | 2 14 | 23 37 | 0 13 | 15 18 | 1 44 | 18 14 | 16 5 | 0 11 | 0 14 | 28 42 | 8 31 | 6 3 |
| F 6 | 6 59 | 10 6 | 1 53 | 1 50 | 1 47 | 24 13 | 6 16 | 24 11 | 0 43 | 19 46 | 0 32 | 8 38 | 2 14 | 23 37 | 0 13 | 15 19 | 1 44 | 18 13 | 16 5 | 0 11 | 0 16 | 28 42 | 8 32 | 6 3 |
| S 7 | 7 22 | 16 15 | 3 1 | 1 37 | 1 54 | 24 18 | 6 17 | 24 12 | 0 45 | 19 44 | 0 32 | 8 41 | 2 14 | 23 37 | 0 13 | 15 19 | 1 44 | 18 12 | 16 6 | 0 10 | 0 17 | 28 41 | 8 33 | 6 2 |
| S 8 | 7 45 | 21 37 | 3 59 | 1 20 | 1 59 | 24 21 | 6 18 | 24 13 | 0 47 | 19 43 | 0 32 | 8 43 | 2 14 | 23 37 | 0 13 | 15 20 | 1 44 | 18 12 | 16 6 | 0 9 | 0 18 | 28 41 | 8 33 | 6 2 |
| M 9 | 8 7 | 25 44 | 4 42 | 0 59 | 2 3 | 24 24 | 6 19 | 24 14 | 0 49 | 19 41 | 0 33 | 8 46 | 2 14 | 23 38 | 0 13 | 15 21 | 1 44 | 18 11 | 16 6 | 0 8 | 0 19 | 28 41 | 8 34 | 6 2 |
| T 10 | 8 30 | 28 12 | 5 8 | 0 34 | 2 6 | 24 25 | 6 18 | 24 15 | 0 51 | 19 40 | 0 33 | 8 48 | 2 14 | 23 38 | 0 13 | 15 21 | 1 44 | 18 11 | 16 7 | 0 7 | 0 21 | 28 41 | 8 35 | 6 1 |
| W11 | 8 53 | 28 46 | 5 14 | 0 7 | 2 8 | 24 25 | 6 18 | 24 16 | 0 53 | 19 38 | 0 33 | 8 51 | 2 14 | 23 38 | 0 13 | 15 22 | 1 44 | 18 10 | 16 7 | 0 6 | 0 22 | 28 41 | 8 35 | 6 1 |
| T 12 | 9 15 | 27 24 | 5 0 | 0s23 | 2 9 | 24 25 | 6 17 | 24 17 | 0 55 | 19 37 | 0 33 | 8 54 | 2 14 | 23 38 | 0 13 | 15 22 | 1 44 | 18 10 | 16 7 | 0 6 | 0 23 | 28 41 | 8 36 | 6 0 |
| F 13 | 9 37 | 24 19 | 4 29 | 0 55 | 2 9 | 24 23 | 6 15 | 24 18 | 0 57 | 19 35 | 0 33 | 8 56 | 2 14 | 23 38 | 0 13 | 15 23 | 1 44 | 18 9 | 16 8 | 0 6 | 0 24 | 28 40 | 8 36 | 6 0 |
| S 14 | 9 59 | 19 51 | 3 42 | 1 30 | 2 7 | 24 20 | 6 13 | 24 20 | 0 59 | 19 34 | 0 34 | 8 59 | 2 13 | 23 38 | 0 13 | 15 24 | 1 44 | 18 9 | 16 8 | 0 6 | 0 26 | 28 40 | 8 37 | 6 0 |
| S 15 | 10 21 | 14 24 | 2 43 | 2 5 | 2 6 | 24 15 | 6 11 | 24 21 | 1 1 | 19 33 | 0 34 | 9 1 | 2 13 | 23 38 | 0 13 | 15 24 | 1 44 | 18 8 | 16 8 | 0 7 | 0 27 | 28 40 | 8 38 | 5 59 |
| M16 | 10 43 | 8 21 | 1 36 | 2 43 | 2 3 | 24 10 | 6 7 | 24 22 | 1 4 | 19 31 | 0 34 | 9 4 | 2 13 | 23 38 | 0 13 | 15 25 | 1 44 | 18 8 | 16 9 | 0 7 | 0 28 | 28 40 | 8 38 | 5 59 |
| T 17 | 11 5 | 2 1 | 0 24 | 3 21 | 2 0 | 24 3 | 6 4 | 24 23 | 1 6 | 19 30 | 0 34 | 9 6 | 2 13 | 23 38 | 0 13 | 15 26 | 1 44 | 18 7 | 16 9 | 0 8 | 0 29 | 28 39 | 8 39 | 5 59 |
| W18 | 11 26 | 4s18 | 0s47 | 4 0 | 1 56 | 23 55 | 5 59 | 24 24 | 1 8 | 19 29 | 0 34 | 9 9 | 2 13 | 23 39 | 0 13 | 15 26 | 1 44 | 18 7 | 16 9 | 0 8 | 0 31 | 28 39 | 8 39 | 5 58 |
| T 19 | 11 47 | 10 21 | 1 55 | 4 40 | 1 52 | 23 46 | 5 54 | 24 25 | 1 10 | 19 28 | 0 35 | 9 11 | 2 13 | 23 39 | 0 13 | 15 27 | 1 44 | 18 6 | 16 10 | 0 7 | 0 32 | 28 39 | 8 40 | 5 58 |
| F 20 | 12 8 | 15 53 | 2 56 | 5 20 | 1 48 | 23 35 | 5 48 | 24 26 | 1 12 | 19 26 | 0 35 | 9 14 | 2 13 | 23 39 | 0 13 | 15 27 | 1 44 | 18 6 | 16 10 | 0 6 | 0 33 | 28 39 | 8 40 | 5 58 |
| S 21 | 12 29 | 20 39 | 3 47 | 6 0 | 1 43 | 23 23 | 5 41 | 24 28 | 1 15 | 19 25 | 0 35 | 9 17 | 2 13 | 23 39 | 0 13 | 15 28 | 1 44 | 18 5 | 16 10 | 0 4 | 0 35 | 28 38 | 8 41 | 5 57 |
| S 22 | 12 50 | 24 28 | 4 27 | 6 41 | 1 38 | 23 10 | 5 34 | 24 29 | 1 17 | 19 24 | 0 35 | 9 19 | 2 13 | 23 39 | 0 13 | 15 29 | 1 44 | 18 5 | 16 11 | 0 1 | 0 36 | 28 38 | 8 41 | 5 57 |
| M23 | 13 11 | 27 9 | 4 54 | 7 22 | 1 32 | 22 55 | 5 26 | 24 30 | 1 19 | 19 23 | 0 35 | 9 22 | 2 13 | 23 39 | 0 13 | 15 29 | 1 43 | 18 5 | 16 11 | 0s 1 | 0 37 | 28 38 | 8 42 | 5 56 |
| T 24 | 13 31 | 28 33 | 5 8 | 8 3 | 1 26 | 22 39 | 5 18 | 24 32 | 1 22 | 19 22 | 0 36 | 9 24 | 2 13 | 23 39 | 0 13 | 15 30 | 1 43 | 18 4 | 16 11 | 0 4 | 0 38 | 28 37 | 8 42 | 5 56 |
| W25 | 13 51 | 28 36 | 5 9 | 8 44 | 1 20 | 22 22 | 5 8 | 24 33 | 1 24 | 19 21 | 0 36 | 9 27 | 2 13 | 23 39 | 0 13 | 15 31 | 1 43 | 18 4 | 16 12 | 0 6 | 0 40 | 28 37 | 8 43 | 5 56 |
| T 26 | 14 11 | 27 21 | 4 56 | 9 24 | 1 14 | 22 4 | 4 58 | 24 35 | 1 26 | 19 20 | 0 36 | 9 29 | 2 13 | 23 40 | 0 13 | 15 31 | 1 43 | 18 4 | 16 12 | 0 8 | 0 41 | 28 37 | 8 43 | 5 55 |
| F 27 | 14 30 | 24 52 | 4 30 | 10 4 | 1 8 | 21 44 | 4 47 | 24 37 | 1 29 | 19 19 | 0 36 | 9 32 | 2 13 | 23 40 | 0 13 | 15 32 | 1 43 | 18 3 | 16 13 | 0 9 | 0 42 | 28 36 | 8 43 | 5 55 |
| S 28 | 14 50 | 21 16 | 3 53 | 10 44 | 1 1 | 21 23 | 4 36 | 24 38 | 1 31 | 19 19 | 0 37 | 9 34 | 2 13 | 23 40 | 0 13 | 15 33 | 1 43 | 18 3 | 16 13 | 0 9 | 0 43 | 28 36 | 8 44 | 5 55 |
| S 29 | 15 9 | 16 44 | 3 4 | 11 24 | 0 55 | 21 2 | 4 24 | 24 40 | 1 34 | 19 18 | 0 37 | 9 37 | 2 13 | 23 40 | 0 13 | 15 33 | 1 43 | 18 3 | 16 14 | 0 9 | 0 45 | 28 36 | 8 44 | 5 54 |
| M30 | 15 28 | 11 25 | 2 6 | 12 3 | 0 48 | 20 39 | 4 11 | 24 42 | 1 36 | 19 17 | 0 37 | 9 39 | 2 13 | 23 40 | 0 13 | 15 34 | 1 43 | 18 2 | 16 14 | 0 8 | 0 46 | 28 35 | 8 45 | 5 54 |
| T 31 | 15s46 | 5s29 | 1s 0 | 12s42 | 0n42 | 20s16 | 3s58 | 24n44 | 1n39 | 19n16 | 0n37 | 9s41 | 2n14 | 23s40 | 0s13 | 15s34 | 1n43 | 18n 2 | 16n14 | 0s 7 | 0s47 | 28s35 | 8s45 | 5n53 |

Julian Day Number = 2080006.5, Delta T = 25m50s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'45, Lahiri = 9°40'46 Julian Calendar 1 Oct. 982 == Greg. Calendar 6 Oct. 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## NOVEMBER 982 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 0 30 | 13♏50'11 | 1♈45 | 6♏51 | 14°R34 | 11♋21 | 6♌53 | 0♏48 | 24♐18 | 17♏49 | 22♍ 3 | 29°R42 | 27♓59 | 5♉ 5 | 21♒47 | W 1 |
| T 2 | 3 4 26 | 14°50'52 | 15°25 | 8°27 | 13♏57 | 11°26 | 6°56 | 0°55 | 24°21 | 17°51 | 22° 4 | 29♓41 | 27°55 | 5°12 | 21°47 | T 2 |
| F 3 | 3 8 23 | 15°51'33 | 29°31 | 10° 2 | 13°21 | 11°30 | 6°59 | 1° 2 | 24°24 | 17°54 | 22° 6 | 29°37 | 27°52 | 5°19 | 21°48 | F 3 |
| S 4 | 3 12 19 | 16°52'17 | 14♉ 0 | 11°37 | 12°45 | 11°34 | 7° 2 | 1° 9 | 24°27 | 17°56 | 22° 8 | 29°32 | 27°49 | 5°25 | 21°48 | S 4 |
| S 5 | 3 16 16 | 17°53'01 | 28°46 | 13°12 | 12° 9 | 11°37 | 7° 4 | 1°16 | 24°30 | 17°58 | 22° 9 | 29°25 | 27°46 | 5°32 | 21°48 | S 5 |
| M 6 | 3 20 12 | 18°53'47 | 13♊42 | 14°47 | 11°35 | 11°39 | 7° 7 | 1°23 | 24°33 | 18° 0 | 22°10 | 29°17 | 27°43 | 5°39 | 21°49 | M 6 |
| T 7 | 3 24 9 | 19°54'35 | 28°37 | 16°22 | 11° 1 | 11°40 | 7° 9 | 1°30 | 24°37 | 18° 3 | 22°12 | 29° 9 | 27°40 | 5°46 | 21°49 | T 7 |
| W 8 | 3 28 5 | 20°55'24 | 13♋24 | 17°57 | 10°29 | 11°R41 | 7°11 | 1°37 | 24°40 | 18° 5 | 22°13 | 29° 2 | 27°36 | 5°52 | 21°50 | W 8 |
| T 9 | 3 32 2 | 21°56'14 | 27°56 | 19°32 | 9°59 | 11°40 | 7°13 | 1°44 | 24°43 | 18° 7 | 22°15 | 28°58 | 27°33 | 5°59 | 21°51 | T 9 |
| F 10 | 3 35 59 | 22°57'06 | 12♌ 9 | 21° 6 | 9°30 | 11°39 | 7°15 | 1°50 | 24°46 | 18° 9 | 22°16 | 28°55 | 27°30 | 6° 6 | 21°52 | F 10 |
| S 11 | 3 39 55 | 23°57'59 | 26° 2 | 22°41 | 9° 3 | 11°37 | 7°16 | 1°57 | 24°49 | 18°12 | 22°17 | 28°D55 | 27°27 | 6°12 | 21°52 | S 11 |
| S 12 | 3 43 52 | 24°58'54 | 9♍34 | 24°15 | 8°38 | 11°35 | 7°18 | 2° 4 | 24°52 | 18°14 | 22°19 | 28°55 | 27°24 | 6°19 | 21°53 | S 12 |
| M13 | 3 47 48 | 25°59'50 | 22°48 | 25°49 | 8°15 | 11°31 | 7°19 | 2°11 | 24°56 | 18°16 | 22°20 | 28°R56 | 27°20 | 6°26 | 21°54 | M13 |
| T 14 | 3 51 45 | 27° 0'47 | 5♎46 | 27°24 | 7°54 | 11°26 | 7°20 | 2°18 | 24°59 | 18°18 | 22°21 | 28°56 | 27°17 | 6°33 | 21°55 | T 14 |
| W15 | 3 55 41 | 28° 1'46 | 18°32 | 28°58 | 7°36 | 11°21 | 7°21 | 2°24 | 25° 2 | 18°21 | 22°23 | 28°54 | 27°14 | 6°39 | 21°56 | W15 |
| T 16 | 3 59 38 | 29° 2'46 | 1♏ 5 | 0♐32 | 7°20 | 11°15 | 7°21 | 2°31 | 25° 6 | 18°23 | 22°24 | 28°49 | 27°11 | 6°46 | 21°57 | T 16 |
| F 17 | 4 3 34 | 0♐ 3'47 | 13°29 | 2° 6 | 7° 7 | 11° 8 | 7°22 | 2°38 | 25° 9 | 18°25 | 22°25 | 28°42 | 27° 8 | 6°53 | 21°58 | F 17 |
| S 18 | 4 7 31 | 1° 4'49 | 25°45 | 3°41 | 6°56 | 11° 0 | 7°R22 | 2°44 | 25°12 | 18°27 | 22°26 | 28°32 | 27° 5 | 6°59 | 22° 0 | S 18 |
| S 19 | 4 11 28 | 2° 5'52 | 7♐53 | 5°15 | 6°47 | 10°51 | 7°22 | 2°51 | 25°16 | 18°30 | 22°27 | 28°20 | 27° 1 | 7° 6 | 22° 1 | S 19 |
| M20 | 4 15 24 | 3° 6'56 | 19°54 | 6°49 | 6°41 | 10°41 | 7°21 | 2°57 | 25°19 | 18°32 | 22°28 | 28° 7 | 26°58 | 7°13 | 22° 2 | M20 |
| T 21 | 4 19 21 | 4° 8'01 | 1♑50 | 8°24 | 6°38 | 10°31 | 7°21 | 3° 4 | 25°22 | 18°34 | 22°29 | 27°54 | 26°55 | 7°20 | 22° 4 | T 21 |
| W22 | 4 23 17 | 5° 9'07 | 13°42 | 9°58 | 6°D37 | 10°20 | 7°20 | 3°10 | 25°26 | 18°36 | 22°30 | 27°42 | 26°52 | 7°26 | 22° 5 | W22 |
| T 23 | 4 27 14 | 6°10'13 | 25°32 | 11°33 | 6°38 | 10° 8 | 7°19 | 3°17 | 25°29 | 18°38 | 22°31 | 27°32 | 26°49 | 7°33 | 22° 7 | T 23 |
| F 24 | 4 31 10 | 7°11'19 | 7♒23 | 13° 8 | 6°42 | 9°55 | 7°18 | 3°23 | 25°33 | 18°40 | 22°32 | 27°25 | 26°46 | 7°40 | 22° 8 | F 24 |
| S 25 | 4 35 7 | 8°12'26 | 19°20 | 14°42 | 6°48 | 9°41 | 7°17 | 3°30 | 25°36 | 18°43 | 22°33 | 27°21 | 26°42 | 7°47 | 22°10 | S 25 |
| S 26 | 4 39 3 | 9°13'33 | 1♓26 | 16°17 | 6°56 | 9°26 | 7°16 | 3°36 | 25°40 | 18°45 | 22°34 | 27°20 | 26°39 | 7°53 | 22°11 | S 26 |
| M27 | 4 43 0 | 10°14'41 | 13°48 | 17°52 | 7° 7 | 9°11 | 7°14 | 3°42 | 25°43 | 18°47 | 22°35 | 27°D19 | 26°36 | 8° 0 | 22°13 | M27 |
| T 28 | 4 46 57 | 11°15'49 | 26°30 | 19°27 | 7°20 | 8°55 | 7°12 | 3°48 | 25°47 | 18°49 | 22°35 | 27°R20 | 26°33 | 8° 7 | 22°15 | T 28 |
| W29 | 4 50 53 | 12°16'57 | 9♈37 | 21° 2 | 7°35 | 8°38 | 7°10 | 3°54 | 25°50 | 18°51 | 22°36 | 27°19 | 26°30 | 8°13 | 22°17 | W29 |
| T 30 | 4 54 50 | 13♐18'05 | 23♈13 | 22♐38 | 7♏52 | 8♋21 | 7♌ 8 | 4♏ 1 | 25♐54 | 18♏53 | 22♍37 | 27♓17 | 26♓26 | 8♉20 | 22♒19 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s 5 | 0n52 | 0n11 | 13s20 | 0n35 | 19s52 | 3s44 | 24n46 | 1n41 | 19n16 | 0n37 | 9s44 | 2n14 | 23s40 | 0s13 | 15s35 | 1n43 | 18n 2 | 16n15 | 0s 7 | 0s49 | 28s35 | 8s45 | 5n53 |
| T 2 | 16 23 | 7 23 | 1 24 | 13 57 | 0 28 | 19 27 | 3 30 | 24 48 | 1 44 | 19 15 | 0 38 | 9 46 | 2 14 | 23 40 | 0 13 | 15 36 | 1 43 | 18 2 | 16 15 | 0 8 | 0 50 | 28 34 | 8 45 | 5 53 |
| F 3 | 16 41 | 13 45 | 2 34 | 14 34 | 0 21 | 19 2 | 3 16 | 24 50 | 1 47 | 19 15 | 0 38 | 9 49 | 2 14 | 23 41 | 0 13 | 15 36 | 1 43 | 18 2 | 16 16 | 0 9 | 0 51 | 28 34 | 8 46 | 5 52 |
| S 4 | 16 58 | 19 33 | 3 35 | 15 11 | 0 14 | 18 37 | 3 1 | 24 53 | 1 49 | 19 14 | 0 38 | 9 51 | 2 14 | 23 41 | 0 13 | 15 37 | 1 43 | 18 1 | 16 16 | 0 11 | 0 52 | 28 33 | 8 46 | 5 52 |
| S 5 | 17 15 | 24 17 | 4 24 | 15 46 | 0 8 | 18 11 | 2 45 | 24 55 | 1 52 | 19 14 | 0 38 | 9 53 | 2 14 | 23 41 | 0 13 | 15 38 | 1 43 | 18 1 | 16 17 | 0 14 | 0 54 | 28 33 | 8 46 | 5 52 |
| M 6 | 17 32 | 27 27 | 4 55 | 16 21 | 0 1 | 17 46 | 2 30 | 24 58 | 1 54 | 19 13 | 0 39 | 9 56 | 2 14 | 23 41 | 0 13 | 15 38 | 1 43 | 18 1 | 16 17 | 0 17 | 0 55 | 28 33 | 8 46 | 5 51 |
| T 7 | 17 49 | 28 40 | 5 6 | 16 55 | 0s 6 | 17 21 | 2 15 | 25 0 | 1 57 | 19 13 | 0 39 | 9 58 | 2 14 | 23 41 | 0 13 | 15 39 | 1 43 | 18 1 | 16 18 | 0 20 | 0 56 | 28 32 | 8 46 | 5 51 |
| W 8 | 18 5 | 27 49 | 4 57 | 17 28 | 0 12 | 16 56 | 1 59 | 25 3 | 2 0 | 19 12 | 0 39 | 10 1 | 2 14 | 23 41 | 0 13 | 15 39 | 1 43 | 18 1 | 16 18 | 0 23 | 0 57 | 28 32 | 8 47 | 5 50 |
| T 9 | 18 21 | 25 4 | 4 28 | 18 1 | 0 19 | 16 31 | 1 43 | 25 6 | 2 3 | 19 12 | 0 39 | 10 3 | 2 14 | 23 41 | 0 13 | 15 40 | 1 43 | 18 1 | 16 19 | 0 25 | 0 59 | 28 31 | 8 47 | 5 50 |
| F 10 | 18 37 | 20 49 | 3 44 | 18 33 | 0 25 | 16 7 | 1 28 | 25 8 | 2 5 | 19 12 | 0 40 | 10 5 | 2 14 | 23 41 | 0 13 | 15 41 | 1 43 | 18 0 | 16 19 | 0 26 | 1 0 | 28 31 | 8 47 | 5 50 |
| S 11 | 18 52 | 15 32 | 2 47 | 19 3 | 0 32 | 15 44 | 1 12 | 25 11 | 2 8 | 19 12 | 0 40 | 10 7 | 2 14 | 23 42 | 0 13 | 15 41 | 1 43 | 18 0 | 16 20 | 0 26 | 1 1 | 28 30 | 8 47 | 5 49 |
| S 12 | 19 7 | 9 36 | 1 42 | 19 33 | 0 38 | 15 21 | 0 57 | 25 14 | 2 11 | 19 12 | 0 40 | 10 10 | 2 14 | 23 42 | 0 13 | 15 42 | 1 43 | 18 0 | 16 20 | 0 26 | 1 3 | 28 30 | 8 47 | 5 49 |
| M13 | 19 22 | 3 22 | 0 33 | 20 2 | 0 44 | 15 0 | 0 42 | 25 18 | 2 14 | 19 12 | 0 40 | 10 12 | 2 14 | 23 42 | 0 13 | 15 43 | 1 43 | 18 0 | 16 21 | 0 26 | 1 4 | 28 29 | 8 47 | 5 49 |
| T 14 | 19 36 | 2s52 | 0s36 | 20 30 | 0 50 | 14 39 | 0 27 | 25 21 | 2 17 | 19 12 | 0 40 | 10 14 | 2 14 | 23 42 | 0 13 | 15 43 | 1 43 | 18 0 | 16 21 | 0 26 | 1 5 | 28 29 | 8 47 | 5 48 |
| W15 | 19 50 | 8 53 | 1 43 | 20 57 | 0 56 | 14 19 | 0 13 | 25 24 | 2 19 | 19 12 | 0 41 | 10 17 | 2 14 | 23 42 | 0 13 | 15 44 | 1 43 | 18 0 | 16 22 | 0 26 | 1 6 | 28 28 | 8 47 | 5 48 |
| T 16 | 20 3 | 14 27 | 2 43 | 21 24 | 1 2 | 14 1 | 0n 2 | 25 27 | 2 22 | 19 12 | 0 41 | 10 19 | 2 14 | 23 42 | 0 13 | 15 44 | 1 43 | 18 0 | 16 22 | 0 28 | 1 8 | 28 28 | 8 47 | 5 47 |
| F 17 | 20 17 | 19 22 | 3 34 | 21 49 | 1 8 | 13 43 | 0 15 | 25 31 | 2 25 | 19 12 | 0 41 | 10 21 | 2 14 | 23 42 | 0 13 | 15 45 | 1 43 | 18 0 | 16 23 | 0 31 | 1 9 | 28 27 | 8 47 | 5 47 |
| S 18 | 20 29 | 23 25 | 4 15 | 22 12 | 1 14 | 13 27 | 0 29 | 25 34 | 2 28 | 19 12 | 0 41 | 10 23 | 2 14 | 23 42 | 0 13 | 15 46 | 1 43 | 18 0 | 16 23 | 0 35 | 1 10 | 28 27 | 8 47 | 5 47 |
| S 19 | 20 42 | 26 24 | 4 43 | 22 35 | 1 19 | 13 12 | 0 42 | 25 38 | 2 31 | 19 12 | 0 42 | 10 25 | 2 15 | 23 43 | 0 13 | 15 46 | 1 43 | 18 0 | 16 24 | 0 40 | 1 11 | 28 26 | 8 47 | 5 46 |
| M20 | 20 54 | 28 9 | 4 59 | 22 57 | 1 24 | 12 58 | 0 54 | 25 41 | 2 34 | 19 13 | 0 42 | 10 27 | 2 15 | 23 43 | 0 13 | 15 47 | 1 43 | 18 0 | 16 24 | 0 45 | 1 13 | 28 26 | 8 47 | 5 46 |
| T 21 | 21 5 | 28 35 | 5 1 | 23 18 | 1 29 | 12 45 | 1 7 | 25 45 | 2 36 | 19 13 | 0 42 | 10 30 | 2 15 | 23 43 | 0 13 | 15 47 | 1 43 | 18 0 | 16 25 | 0 50 | 1 14 | 28 25 | 8 47 | 5 46 |
| W22 | 21 17 | 27 41 | 4 50 | 23 37 | 1 34 | 12 34 | 1 18 | 25 49 | 2 39 | 19 13 | 0 42 | 10 32 | 2 15 | 23 43 | 0 13 | 15 48 | 1 43 | 18 1 | 16 25 | 0 55 | 1 15 | 28 25 | 8 47 | 5 45 |
| T 23 | 21 28 | 25 32 | 4 27 | 23 55 | 1 38 | 12 24 | 1 30 | 25 53 | 2 42 | 19 14 | 0 43 | 10 34 | 2 15 | 23 43 | 0 13 | 15 49 | 1 43 | 18 1 | 16 26 | 0 59 | 1 16 | 28 24 | 8 47 | 5 45 |
| F 24 | 21 38 | 22 16 | 3 52 | 24 12 | 1 43 | 12 15 | 1 40 | 25 56 | 2 45 | 19 14 | 0 43 | 10 36 | 2 15 | 23 43 | 0 13 | 15 49 | 1 43 | 18 1 | 16 26 | 1 2 | 1 18 | 28 24 | 8 46 | 5 45 |
| S 25 | 21 48 | 18 4 | 3 7 | 24 28 | 1 47 | 12 7 | 1 51 | 26 0 | 2 48 | 19 15 | 0 43 | 10 38 | 2 15 | 23 43 | 0 13 | 15 50 | 1 44 | 18 1 | 16 27 | 1 3 | 1 19 | 28 23 | 8 46 | 5 44 |
| S 26 | 21 57 | 13 5 | 2 13 | 24 42 | 1 51 | 12 0 | 2 1 | 26 4 | 2 50 | 19 15 | 0 43 | 10 40 | 2 15 | 23 43 | 0 13 | 15 50 | 1 44 | 18 1 | 16 28 | 1 4 | 1 20 | 28 23 | 8 46 | 5 44 |
| M27 | 22 7 | 7 30 | 1 11 | 24 55 | 1 54 | 11 55 | 2 10 | 26 8 | 2 53 | 19 16 | 0 44 | 10 42 | 2 15 | 23 44 | 0 13 | 15 51 | 1 44 | 18 1 | 16 28 | 1 4 | 1 22 | 28 22 | 8 46 | 5 43 |
| T 28 | 22 15 | 1 28 | 0 4 | 25 6 | 1 58 | 11 51 | 2 19 | 26 12 | 2 56 | 19 17 | 0 44 | 10 44 | 2 15 | 23 44 | 0 13 | 15 51 | 1 44 | 18 1 | 16 29 | 1 4 | 1 23 | 28 21 | 8 46 | 5 43 |
| W29 | 22 24 | 4n49 | 1n 5 | 25 16 | 2 1 | 11 47 | 2 28 | 26 16 | 2 59 | 19 17 | 0 44 | 10 46 | 2 16 | 23 44 | 0 13 | 15 52 | 1 44 | 18 2 | 16 29 | 1 4 | 1 24 | 28 21 | 8 45 | 5 43 |
| T 30 | 22s31 | 11n 7 | 2n12 | 25s25 | 2s 3 | 11s45 | 2n36 | 26n19 | 3n 1 | 19n18 | 0n44 | 10s48 | 2n16 | 23s44 | 0s13 | 15s53 | 1n44 | 18n 2 | 16n30 | 1s 5 | 1s25 | 28s20 | 8s45 | 5n42 |

Julian Day Number = 2080037.5, Delta T = 25m50s
Ecliptic obliquity = 23°34'25, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'50, Lahiri = 9°40'50 Julian Calendar 1 Nov. 982 == Greg. Calendar 6 Nov. 982


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# ASTRODIENST EPHEMERIS for the year 982
# geocentric

## DECEMBER 982 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 58 46 | 14♐19'14 | 7♉19 | 24♐13 | 8♏11 | 8°R 3 | 7°R 6 | 4♏ 7 | 25♐57 | 18♏55 | 22♍38 | 27°R12 | 26♓23 | 8♑27 | 22♒21 | F 1 |
| S 2 | 5 2 43 | 15°20'23 | 21°53 | 25°48 | 8°32 | 7♋44 | 7♌ 3 | 4°13 | 26° 1 | 18°57 | 22°38 | 27♓ 4 | 26°20 | 8°34 | 22°23 | S 2 |
| S 3 | 5 6 39 | 16°21'32 | 6♊52 | 27°24 | 8°55 | 7°25 | 7° 0 | 4°19 | 26° 4 | 19° 0 | 22°39 | 26°54 | 26°17 | 8°40 | 22°25 | S 3 |
| M 4 | 5 10 36 | 17°22'42 | 22° 6 | 28°59 | 9°20 | 7° 5 | 6°57 | 4°24 | 26° 8 | 19° 2 | 22°40 | 26°42 | 26°14 | 8°47 | 22°27 | M 4 |
| T 5 | 5 14 33 | 18°23'52 | 7♋23 | 0♑34 | 9°46 | 6°44 | 6°54 | 4°30 | 26°11 | 19° 4 | 22°40 | 26°31 | 26°11 | 8°54 | 22°29 | T 5 |
| W 6 | 5 18 29 | 19°25'02 | 22°34 | 2° 9 | 10°14 | 6°23 | 6°51 | 4°36 | 26°15 | 19° 6 | 22°41 | 26°21 | 26° 7 | 9° 0 | 22°31 | W 6 |
| T 7 | 5 22 26 | 20°26'13 | 7♌27 | 3°44 | 10°44 | 6° 2 | 6°47 | 4°42 | 26°19 | 19° 8 | 22°41 | 26°13 | 26° 4 | 9° 7 | 22°33 | T 7 |
| F 8 | 5 26 22 | 21°27'24 | 21°56 | 5°19 | 11°16 | 5°40 | 6°44 | 4°47 | 26°22 | 19°10 | 22°42 | 26° 8 | 26° 1 | 9°14 | 22°36 | F 8 |
| S 9 | 5 30 19 | 22°28'36 | 5♍59 | 6°53 | 11°49 | 5°17 | 6°40 | 4°53 | 26°26 | 19°12 | 22°42 | 26° 5 | 25°58 | 9°21 | 22°38 | S 9 |
| S 10 | 5 34 15 | 23°29'48 | 19°35 | 8°26 | 12°23 | 4°54 | 6°36 | 4°59 | 26°29 | 19°14 | 22°42 | 26° 5 | 25°55 | 9°27 | 22°40 | S 10 |
| M11 | 5 38 12 | 24°31'00 | 2♎46 | 9°59 | 12°59 | 4°31 | 6°32 | 5° 4 | 26°33 | 19°16 | 22°43 | 26° 5 | 25°52 | 9°34 | 22°43 | M11 |
| T 12 | 5 42 8 | 25°32'13 | 15°37 | 11°31 | 13°36 | 4° 8 | 6°27 | 5°10 | 26°37 | 19°17 | 22°43 | 26° 4 | 25°48 | 9°41 | 22°45 | T 12 |
| W13 | 5 46 5 | 26°33'25 | 28°11 | 13° 2 | 14°15 | 3°44 | 6°23 | 5°15 | 26°40 | 19°19 | 22°43 | 26° 1 | 25°45 | 9°48 | 22°48 | W13 |
| T 14 | 5 50 2 | 27°34'39 | 10♏32 | 14°31 | 14°55 | 3°21 | 6°18 | 5°20 | 26°44 | 19°21 | 22°44 | 25°56 | 25°42 | 9°54 | 22°50 | T 14 |
| F 15 | 5 53 58 | 28°35'52 | 22°43 | 15°59 | 15°36 | 2°57 | 6°13 | 5°25 | 26°47 | 19°23 | 22°44 | 25°47 | 25°39 | 10° 1 | 22°53 | F 15 |
| S 16 | 5 57 55 | 29°37'05 | 4♐48 | 17°24 | 16°18 | 2°33 | 6° 8 | 5°31 | 26°51 | 19°25 | 22°44 | 25°35 | 25°36 | 10° 8 | 22°55 | S 16 |
| S 17 | 6 1 51 | 0♑38'19 | 16°46 | 18°47 | 17° 1 | 2° 8 | 6° 3 | 5°36 | 26°54 | 19°27 | 22°44 | 25°21 | 25°32 | 10°14 | 22°58 | S 17 |
| M18 | 6 5 48 | 1°39'32 | 28°42 | 20° 7 | 17°45 | 1°44 | 5°57 | 5°41 | 26°58 | 19°29 | 22°44 | 25° 6 | 25°29 | 10°21 | 23° 1 | M18 |
| T 19 | 6 9 44 | 2°40'45 | 10♑34 | 21°24 | 18°31 | 1°20 | 5°52 | 5°46 | 27° 2 | 19°30 | 22°44 | 24°51 | 25°26 | 10°28 | 23° 4 | T 19 |
| W20 | 6 13 41 | 3°41'58 | 22°25 | 22°36 | 19°17 | 0°57 | 5°46 | 5°51 | 27° 5 | 19°32 | 22°44 | 24°37 | 25°23 | 10°35 | 23° 6 | W20 |
| T 21 | 6 17 37 | 4°43'10 | 4♒17 | 23°44 | 20° 4 | 0°33 | 5°40 | 5°55 | 27° 9 | 19°34 | 22°R44 | 24°25 | 25°20 | 10°41 | 23° 9 | T 21 |
| F 22 | 6 21 34 | 5°44'22 | 16°10 | 24°46 | 20°52 | 0° 9 | 5°34 | 6° 0 | 27°12 | 19°36 | 22°44 | 24°16 | 25°17 | 10°48 | 23°12 | F 22 |
| S 23 | 6 25 31 | 6°45'33 | 28° 9 | 25°41 | 21°41 | 29♊46 | 5°28 | 6° 5 | 27°16 | 19°37 | 22°44 | 24°11 | 25°13 | 10°55 | 23°15 | S 23 |
| S 24 | 6 29 27 | 7°46'44 | 10♓16 | 26°29 | 22°31 | 29°23 | 5°22 | 6° 9 | 27°20 | 19°39 | 22°44 | 24° 8 | 25°10 | 11° 1 | 23°18 | S 24 |
| M25 | 6 33 24 | 8°47'53 | 22°36 | 27°10 | 23°22 | 29° 1 | 5°15 | 6°14 | 27°23 | 19°41 | 22°44 | 24°D 7 | 25° 7 | 11° 8 | 23°21 | M25 |
| T 26 | 6 37 20 | 9°49'02 | 5♈13 | 27°41 | 24°13 | 28°38 | 5° 9 | 6°18 | 27°27 | 19°42 | 22°44 | 24°R 7 | 25° 4 | 11°15 | 23°24 | T 26 |
| W27 | 6 41 17 | 10°50'10 | 18°13 | 28° 2 | 25° 5 | 28°17 | 5° 2 | 6°23 | 27°30 | 19°44 | 22°44 | 24° 7 | 25° 1 | 11°22 | 23°27 | W27 |
| T 28 | 6 45 13 | 11°51'18 | 1♉39 | 28°R13 | 25°58 | 27°55 | 4°55 | 6°27 | 27°34 | 19°45 | 22°43 | 24° 6 | 24°58 | 11°28 | 23°30 | T 28 |
| F 29 | 6 49 10 | 12°52'24 | 15°34 | 28°12 | 26°51 | 27°34 | 4°49 | 6°31 | 27°37 | 19°47 | 22°43 | 24° 2 | 24°54 | 11°35 | 23°33 | F 29 |
| S 30 | 6 53 6 | 13°53'30 | 29°58 | 28° 0 | 27°45 | 27°14 | 4°42 | 6°35 | 27°41 | 19°48 | 22°43 | 23°55 | 24°51 | 11°42 | 23°37 | S 30 |
| S 31 | 6 57 3 | 14♑54'35 | 14♊50 | 27♑37 | 28♏40 | 26♊55 | 4♌35 | 6♏39 | 27♐44 | 19♏50 | 22♍43 | 23♓46 | 24♓48 | 11♑48 | 23♒40 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s39 | 17n 5 | 3n14 | 25s32 | 2s 6 | 11s44 | 2n43 | 26n23 | 3n 4 | 19n19 | 0n44 | 10s50 | 2n16 | 23s44 | 0s13 | 15s53 | 1n44 | 18n 2 | 16n30 | 1s 7 | 1s27 | 28s19 | 8s45 | 5n42 |
| S 2 | 22 46 | 22 18 | 4 6 | 25 38 | 2 7 | 11 44 | 2 51 | 26 27 | 3 6 | 19 20 | 0 45 | 10 52 | 2 16 | 23 44 | 0 13 | 15 54 | 1 44 | 18 2 | 16 31 | 1 10 | 1 28 | 28 19 | 8 44 | 5 42 |
| S 3 | 22 52 | 26 13 | 4 42 | 25 42 | 2 9 | 11 45 | 2 57 | 26 30 | 3 9 | 19 21 | 0 45 | 10 54 | 2 16 | 23 44 | 0 13 | 15 54 | 1 44 | 18 3 | 16 32 | 1 14 | 1 29 | 28 18 | 8 44 | 5 41 |
| M 4 | 22 58 | 28 19 | 4 59 | 25 44 | 2 10 | 11 47 | 3 4 | 26 34 | 3 11 | 19 22 | 0 45 | 10 55 | 2 16 | 23 44 | 0 13 | 15 55 | 1 44 | 18 3 | 16 32 | 1 19 | 1 30 | 28 18 | 8 44 | 5 41 |
| T 5 | 23 4 | 28 16 | 4 55 | 25 45 | 2 11 | 11 49 | 3 10 | 26 37 | 3 14 | 19 23 | 0 45 | 10 57 | 2 16 | 23 44 | 0 13 | 15 55 | 1 44 | 18 3 | 16 33 | 1 24 | 1 32 | 28 17 | 8 43 | 5 41 |
| W 6 | 23 9 | 26 6 | 4 30 | 25 45 | 2 11 | 11 53 | 3 15 | 26 41 | 3 16 | 19 24 | 0 46 | 10 59 | 2 16 | 23 45 | 0 13 | 15 56 | 1 44 | 18 4 | 16 33 | 1 28 | 1 33 | 28 16 | 8 43 | 5 40 |
| T 7 | 23 14 | 22 9 | 3 47 | 25 42 | 2 11 | 11 57 | 3 21 | 26 44 | 3 18 | 19 25 | 0 46 | 11 1 | 2 17 | 23 45 | 0 13 | 15 56 | 1 44 | 18 4 | 16 34 | 1 31 | 1 34 | 28 16 | 8 43 | 5 40 |
| F 8 | 23 18 | 16 57 | 2 50 | 25 38 | 2 10 | 12 2 | 3 26 | 26 47 | 3 20 | 19 26 | 0 46 | 11 3 | 2 17 | 23 45 | 0 13 | 15 57 | 1 44 | 18 4 | 16 34 | 1 33 | 1 35 | 28 15 | 8 42 | 5 40 |
| S 9 | 23 21 | 10 59 | 1 44 | 25 32 | 2 9 | 12 8 | 3 30 | 26 50 | 3 23 | 19 27 | 0 46 | 11 4 | 2 17 | 23 45 | 0 13 | 15 57 | 1 44 | 18 5 | 16 35 | 1 34 | 1 37 | 28 14 | 8 42 | 5 40 |
| S 10 | 23 25 | 4 40 | 0 34 | 25 25 | 2 7 | 12 14 | 3 34 | 26 53 | 3 25 | 19 29 | 0 47 | 11 6 | 2 17 | 23 45 | 0 13 | 15 58 | 1 44 | 18 5 | 16 36 | 1 34 | 1 38 | 28 13 | 8 41 | 5 39 |
| M11 | 23 28 | 1s39 | 0s35 | 25 16 | 2 5 | 12 21 | 3 38 | 26 56 | 3 27 | 19 30 | 0 47 | 11 8 | 2 17 | 23 45 | 0 13 | 15 58 | 1 44 | 18 5 | 16 36 | 1 34 | 1 39 | 28 13 | 8 41 | 5 39 |
| T 12 | 23 30 | 7 44 | 1 41 | 25 5 | 2 2 | 12 29 | 3 42 | 26 59 | 3 28 | 19 31 | 0 47 | 11 9 | 2 17 | 23 45 | 0 13 | 15 59 | 1 44 | 18 6 | 16 37 | 1 34 | 1 41 | 28 12 | 8 40 | 5 39 |
| W13 | 23 32 | 13 23 | 2 41 | 24 53 | 1 58 | 12 37 | 3 45 | 27 1 | 3 30 | 19 33 | 0 47 | 11 11 | 2 17 | 23 45 | 0 13 | 15 59 | 1 44 | 18 6 | 16 37 | 1 35 | 1 42 | 28 11 | 8 40 | 5 38 |
| T 14 | 23 33 | 18 24 | 3 31 | 24 39 | 1 53 | 12 46 | 3 48 | 27 4 | 3 32 | 19 34 | 0 47 | 11 13 | 2 18 | 23 45 | 0 13 | 16 0 | 1 44 | 18 7 | 16 38 | 1 38 | 1 43 | 28 11 | 8 39 | 5 38 |
| F 15 | 23 34 | 22 36 | 4 12 | 24 24 | 1 48 | 12 55 | 3 51 | 27 6 | 3 34 | 19 36 | 0 48 | 11 14 | 2 18 | 23 46 | 0 13 | 16 0 | 1 44 | 18 7 | 16 38 | 1 41 | 1 44 | 28 10 | 8 39 | 5 38 |
| S 16 | 23 34 | 25 48 | 4 40 | 24 7 | 1 42 | 13 5 | 3 53 | 27 8 | 3 35 | 19 37 | 0 48 | 11 16 | 2 18 | 23 46 | 0 13 | 16 1 | 1 44 | 18 7 | 16 39 | 1 46 | 1 46 | 28 9 | 8 38 | 5 37 |
| S 17 | 23 34 | 27 49 | 4 56 | 23 49 | 1 35 | 13 15 | 3 55 | 27 10 | 3 37 | 19 39 | 0 48 | 11 17 | 2 18 | 23 46 | 0 13 | 16 1 | 1 44 | 18 8 | 16 40 | 1 51 | 1 47 | 28 8 | 8 37 | 5 37 |
| M18 | 23 34 | 28 32 | 4 58 | 23 29 | 1 27 | 13 26 | 3 57 | 27 12 | 3 38 | 19 40 | 0 48 | 11 19 | 2 18 | 23 46 | 0 14 | 16 2 | 1 44 | 18 8 | 16 40 | 1 58 | 1 48 | 28 8 | 8 37 | 5 37 |
| T 19 | 23 33 | 27 56 | 4 48 | 23 8 | 1 18 | 13 37 | 3 58 | 27 13 | 3 39 | 19 42 | 0 49 | 11 20 | 2 18 | 23 46 | 0 14 | 16 2 | 1 44 | 18 9 | 16 41 | 2 4 | 1 49 | 28 7 | 8 36 | 5 37 |
| W20 | 23 31 | 26 3 | 4 25 | 22 47 | 1 8 | 13 48 | 4 0 | 27 15 | 3 40 | 19 43 | 0 49 | 11 22 | 2 19 | 23 46 | 0 14 | 16 3 | 1 44 | 18 9 | 16 41 | 2 9 | 1 51 | 28 6 | 8 36 | 5 36 |
| T 21 | 23 29 | 23 2 | 3 51 | 22 24 | 0 57 | 14 0 | 4 1 | 27 16 | 3 41 | 19 45 | 0 49 | 11 23 | 2 19 | 23 46 | 0 14 | 16 3 | 1 44 | 18 10 | 16 42 | 2 14 | 1 52 | 28 5 | 8 35 | 5 36 |
| F 22 | 23 27 | 19 2 | 3 6 | 22 2 | 0 45 | 14 11 | 4 2 | 27 17 | 3 42 | 19 47 | 0 49 | 11 25 | 2 19 | 23 46 | 0 14 | 16 3 | 1 44 | 18 10 | 16 43 | 2 17 | 1 53 | 28 4 | 8 34 | 5 36 |
| S 23 | 23 24 | 14 15 | 2 13 | 21 38 | 0 32 | 14 23 | 4 2 | 27 18 | 3 43 | 19 48 | 0 49 | 11 26 | 2 19 | 23 46 | 0 14 | 16 4 | 1 44 | 18 11 | 16 43 | 2 19 | 1 54 | 28 4 | 8 34 | 5 36 |
| S 24 | 23 21 | 8 53 | 1 13 | 21 15 | 0 17 | 14 36 | 4 3 | 27 18 | 3 44 | 19 50 | 0 50 | 11 27 | 2 19 | 23 46 | 0 14 | 16 4 | 1 44 | 18 12 | 16 44 | 2 21 | 1 56 | 28 3 | 8 33 | 5 35 |
| M25 | 23 17 | 3 5 | 0 8 | 20 53 | 0 2 | 14 48 | 4 3 | 27 19 | 3 45 | 19 52 | 0 50 | 11 29 | 2 19 | 23 46 | 0 14 | 16 5 | 1 44 | 18 12 | 16 44 | 2 21 | 1 57 | 28 2 | 8 32 | 5 35 |
| T 26 | 23 12 | 2n59 | 0n59 | 20 31 | 0n14 | 15 1 | 4 3 | 27 19 | 3 45 | 19 54 | 0 50 | 11 30 | 2 20 | 23 46 | 0 14 | 16 5 | 1 44 | 18 13 | 16 45 | 2 21 | 1 58 | 28 1 | 8 31 | 5 35 |
| W27 | 23 8 | 9 5 | 2 4 | 20 10 | 0 31 | 15 13 | 4 2 | 27 19 | 3 46 | 19 55 | 0 50 | 11 31 | 2 20 | 23 47 | 0 14 | 16 5 | 1 44 | 18 13 | 16 45 | 2 21 | 2 0 | 28 0 | 8 31 | 5 35 |
| T 28 | 23 2 | 15 0 | 3 5 | 19 50 | 0 49 | 15 26 | 4 2 | 27 19 | 3 46 | 19 57 | 0 50 | 11 33 | 2 20 | 23 47 | 0 14 | 16 6 | 1 44 | 18 14 | 16 46 | 2 22 | 2 1 | 27 59 | 8 30 | 5 34 |
| F 29 | 22 57 | 20 22 | 3 57 | 19 32 | 1 7 | 15 39 | 4 1 | 27 19 | 3 46 | 19 59 | 0 51 | 11 34 | 2 20 | 23 47 | 0 14 | 16 6 | 1 45 | 18 15 | 16 46 | 2 23 | 2 2 | 27 59 | 8 29 | 5 34 |
| S 30 | 22 51 | 24 45 | 4 36 | 19 16 | 1 26 | 15 52 | 4 1 | 27 19 | 3 47 | 20 1 | 0 51 | 11 35 | 2 20 | 23 47 | 0 14 | 16 7 | 1 45 | 18 15 | 16 47 | 2 26 | 2 3 | 27 58 | 8 28 | 5 34 |
| S 31 | 22s44 | 27n39 | 4n58 | 19s 3 | 1n45 | 16s 5 | 4n 0 | 27n19 | 3n47 | 20n 3 | 0n51 | 11s36 | 2n21 | 23s47 | 0s14 | 16s 7 | 1n45 | 18n16 | 16n48 | 2s29 | 2s 5 | 27s57 | 8s27 | 5n34 |

Julian Day Number = 2080067.5, Delta T = 25m49s
Ecliptic obliquity = 23°34'24, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'54, Lahiri = 9°40'54 Julian Calendar 1 Dec. 982 == Greg. Calendar 6 Dec. 982


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## JANUARY 983 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 1 0 | 15♉55'39 | 0♋ 1 | 27°R 1 | 29♏36 | 26°R36 | 4°R27 | 6♏43 | 27♐48 | 19♏51 | 22°R42 | 23°R36 | 24♓45 | 11♉55 | 23♒43 | M 1 |
| T 2 | 7 4 56 | 16°56'42 | 15°23 | 26♉16 | 0♐32 | 26♊17 | 4♌20 | 6°47 | 27°51 | 19°53 | 22♍42 | 23♓26 | 24°42 | 12° 2 | 23°46 | T 2 |
| W 3 | 7 8 53 | 17°57'44 | 0♌43 | 25°20 | 1°28 | 25°59 | 4°13 | 6°51 | 27°54 | 19°54 | 22°41 | 23°16 | 24°38 | 12° 9 | 23°50 | W 3 |
| T 4 | 7 12 49 | 18°58'45 | 15°50 | 24°17 | 2°25 | 25°42 | 4° 5 | 6°54 | 27°58 | 19°56 | 22°41 | 23° 9 | 24°35 | 12°15 | 23°53 | T 4 |
| F 5 | 7 16 46 | 19°59'46 | 0♍34 | 23° 7 | 3°23 | 25°26 | 3°58 | 6°58 | 28° 1 | 19°57 | 22°40 | 23° 5 | 24°32 | 12°22 | 23°56 | F 5 |
| S 6 | 7 20 42 | 21° 0'46 | 14°51 | 21°53 | 4°21 | 25°10 | 3°50 | 7° 2 | 28° 5 | 19°58 | 22°40 | 23° 3 | 24°29 | 12°29 | 24° 0 | S 6 |
| S 7 | 7 24 39 | 22° 1'45 | 28°39 | 20°37 | 5°19 | 24°55 | 3°43 | 7° 5 | 28° 8 | 20° 0 | 22°39 | 23°D 2 | 24°26 | 12°35 | 24° 3 | S 7 |
| M 8 | 7 28 36 | 23° 2'43 | 11♎59 | 19°22 | 6°18 | 24°41 | 3°35 | 7° 8 | 28°11 | 20° 1 | 22°39 | 23° 3 | 24°23 | 12°42 | 24° 7 | M 8 |
| T 9 | 7 32 32 | 24° 3'41 | 24°53 | 18° 9 | 7°18 | 24°27 | 3°27 | 7°12 | 28°15 | 20° 2 | 22°38 | 23°R 4 | 24°19 | 12°49 | 24°10 | T 9 |
| W10 | 7 36 29 | 25° 4'38 | 7♏27 | 17° 1 | 8°18 | 24°15 | 3°19 | 7°15 | 28°18 | 20° 3 | 22°37 | 23° 3 | 24°16 | 12°56 | 24°14 | W10 |
| T 11 | 7 40 25 | 26° 5'34 | 19°45 | 15°59 | 9°18 | 24° 3 | 3°12 | 7°18 | 28°21 | 20° 4 | 22°37 | 23° 0 | 24°13 | 13° 2 | 24°17 | T 11 |
| F 12 | 7 44 22 | 27° 6'30 | 1♐51 | 15° 3 | 10°19 | 23°51 | 3° 4 | 7°21 | 28°25 | 20° 6 | 22°36 | 22°54 | 24°10 | 13° 9 | 24°21 | F 12 |
| S 13 | 7 48 18 | 28° 7'24 | 13°49 | 14°16 | 11°20 | 23°41 | 2°56 | 7°24 | 28°28 | 20° 7 | 22°35 | 22°46 | 24° 7 | 13°16 | 24°24 | S 13 |
| S 14 | 7 52 15 | 29° 8'18 | 25°42 | 13°37 | 12°22 | 23°32 | 2°48 | 7°27 | 28°31 | 20° 8 | 22°34 | 22°37 | 24° 4 | 13°23 | 24°28 | S 14 |
| M15 | 7 56 11 | 0♒ 9'10 | 7♑33 | 13° 6 | 13°23 | 23°23 | 2°40 | 7°29 | 28°34 | 20° 9 | 22°34 | 22°26 | 24° 0 | 13°29 | 24°32 | M15 |
| T 16 | 8 0 8 | 1°10'02 | 19°24 | 12°44 | 14°26 | 23°15 | 2°32 | 7°32 | 28°38 | 20°10 | 22°33 | 22°15 | 23°57 | 13°36 | 24°35 | T 16 |
| W17 | 8 4 5 | 2°10'52 | 1♒18 | 12°30 | 15°28 | 23° 8 | 2°24 | 7°34 | 28°41 | 20°11 | 22°32 | 22° 5 | 23°54 | 13°43 | 24°39 | W17 |
| T 18 | 8 8 1 | 3°11'41 | 13°14 | 12°D24 | 16°31 | 23° 1 | 2°16 | 7°37 | 28°44 | 20°12 | 22°31 | 21°57 | 23°51 | 13°49 | 24°43 | T 18 |
| F 19 | 8 11 58 | 4°12'28 | 25°15 | 12°25 | 17°34 | 22°56 | 2° 8 | 7°39 | 28°47 | 20°13 | 22°30 | 21°51 | 23°48 | 13°56 | 24°46 | F 19 |
| S 20 | 8 15 54 | 5°13'14 | 7♓22 | 12°33 | 18°37 | 22°51 | 2° 0 | 7°41 | 28°50 | 20°14 | 22°29 | 21°48 | 23°44 | 14° 3 | 24°50 | S 20 |
| S 21 | 8 19 51 | 6°13'58 | 19°37 | 12°49 | 19°41 | 22°47 | 1°52 | 7°43 | 28°53 | 20°15 | 22°28 | 21°D47 | 23°41 | 14°10 | 24°54 | S 21 |
| M22 | 8 23 47 | 7°14'41 | 2♈ 5 | 13°10 | 20°45 | 22°44 | 1°44 | 7°45 | 28°56 | 20°15 | 22°27 | 21°47 | 23°38 | 14°16 | 24°57 | M22 |
| T 23 | 8 27 44 | 8°15'22 | 14°46 | 13°37 | 21°49 | 22°42 | 1°36 | 7°47 | 28°59 | 20°16 | 22°26 | 21°48 | 23°35 | 14°23 | 25° 1 | T 23 |
| W24 | 8 31 40 | 9°16'01 | 27°46 | 14° 9 | 22°54 | 22°40 | 1°28 | 7°49 | 29° 2 | 20°17 | 22°25 | 21°50 | 23°32 | 14°30 | 25° 5 | W24 |
| T 25 | 8 35 37 | 10°16'39 | 11♉ 7 | 14°45 | 23°59 | 22°39 | 1°20 | 7°51 | 29° 5 | 20°18 | 22°24 | 21°R50 | 23°29 | 14°36 | 25° 9 | T 25 |
| F 26 | 8 39 34 | 11°17'14 | 24°51 | 15°26 | 25° 4 | 22°D39 | 1°13 | 7°52 | 29° 8 | 20°18 | 22°23 | 21°49 | 23°25 | 14°43 | 25°13 | F 26 |
| S 27 | 8 43 30 | 12°17'48 | 9♊ 1 | 16°12 | 26° 9 | 22°40 | 1° 5 | 7°54 | 29°11 | 20°19 | 22°22 | 21°47 | 23°22 | 14°50 | 25°16 | S 27 |
| S 28 | 8 47 27 | 13°18'21 | 23°34 | 17° 1 | 27°14 | 22°42 | 0°57 | 7°55 | 29°14 | 20°20 | 22°20 | 21°42 | 23°19 | 14°57 | 25°20 | S 28 |
| M29 | 8 51 23 | 14°18'51 | 8♋27 | 17°53 | 28°20 | 22°44 | 0°50 | 7°57 | 29°16 | 20°20 | 22°19 | 21°37 | 23°16 | 15° 3 | 25°24 | M29 |
| T 30 | 8 55 20 | 15°19'19 | 23°32 | 18°48 | 29°26 | 22°47 | 0°42 | 7°58 | 29°19 | 20°21 | 22°18 | 21°31 | 23°13 | 15°10 | 25°28 | T 30 |
| W31 | 8 59 16 | 16♒19'46 | 8♌40 | 19♑47 | 0♑32 | 22♊50 | 0♌35 | 7♏59 | 29♐22 | 20♏22 | 22♍17 | 21♓26 | 23♓10 | 15♉17 | 25♒32 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s37 | 28n35 | 5n 0 | 18s52 | 2n 3 | 16s18 | 3n58 | 27n18 | 3n47 | 20n 5 | 0n51 | 11s37 | 2n21 | 23s47 | 0s14 | 16s 7 | 1n45 | 18n17 | 16n48 | 2s33 | 2s 6 | 27s56 | 8s27 | 5n33 |
| T 2 | 22 30 | 27 19 | 4 40 | 18 43 | 2 21 | 16 30 | 3 57 | 27 18 | 3 47 | 20 7 | 0 51 | 11 38 | 2 21 | 23 47 | 0 14 | 16 8 | 1 45 | 18 17 | 16 49 | 2 37 | 2 7 | 27 55 | 8 26 | 5 33 |
| W 3 | 22 22 | 24 1 | 4 1 | 18 37 | 2 37 | 16 43 | 3 56 | 27 17 | 3 47 | 20 9 | 0 51 | 11 39 | 2 21 | 23 47 | 0 14 | 16 8 | 1 45 | 18 18 | 16 49 | 2 41 | 2 8 | 27 54 | 8 25 | 5 33 |
| T 4 | 22 13 | 19 7 | 3 4 | 18 33 | 2 52 | 16 56 | 3 54 | 27 16 | 3 46 | 20 11 | 0 52 | 11 40 | 2 21 | 23 47 | 0 14 | 16 8 | 1 45 | 18 19 | 16 50 | 2 44 | 2 10 | 27 53 | 8 24 | 5 33 |
| F 5 | 22 4 | 13 9 | 1 57 | 18 32 | 3 6 | 17 9 | 3 52 | 27 16 | 3 46 | 20 13 | 0 52 | 11 41 | 2 22 | 23 47 | 0 14 | 16 9 | 1 45 | 18 19 | 16 50 | 2 46 | 2 11 | 27 52 | 8 23 | 5 32 |
| S 6 | 21 55 | 6 40 | 0 44 | 18 33 | 3 17 | 17 21 | 3 50 | 27 15 | 3 46 | 20 15 | 0 52 | 11 42 | 2 22 | 23 47 | 0 14 | 16 9 | 1 45 | 18 20 | 16 51 | 2 47 | 2 12 | 27 51 | 8 22 | 5 32 |
| S 7 | 21 46 | 0 5 | 0s30 | 18 36 | 3 26 | 17 34 | 3 48 | 27 14 | 3 45 | 20 16 | 0 52 | 11 43 | 2 22 | 23 47 | 0 14 | 16 9 | 1 45 | 18 21 | 16 51 | 2 47 | 2 13 | 27 50 | 8 21 | 5 32 |
| M 8 | 21 36 | 6s17 | 1 39 | 18 40 | 3 32 | 17 46 | 3 46 | 27 13 | 3 45 | 20 18 | 0 52 | 11 44 | 2 22 | 23 47 | 0 14 | 16 9 | 1 45 | 18 21 | 16 52 | 2 46 | 2 15 | 27 50 | 8 20 | 5 32 |
| T 9 | 21 25 | 12 11 | 2 42 | 18 46 | 3 36 | 17 58 | 3 44 | 27 11 | 3 44 | 20 20 | 0 52 | 11 45 | 2 22 | 23 47 | 0 14 | 16 10 | 1 45 | 18 22 | 16 52 | 2 46 | 2 16 | 27 49 | 8 19 | 5 32 |
| W10 | 21 14 | 17 27 | 3 34 | 18 53 | 3 37 | 18 10 | 3 41 | 27 10 | 3 44 | 20 22 | 0 53 | 11 46 | 2 23 | 23 48 | 0 14 | 16 10 | 1 45 | 18 23 | 16 53 | 2 47 | 2 17 | 27 48 | 8 18 | 5 32 |
| T 11 | 21 3 | 21 52 | 4 16 | 19 2 | 3 37 | 18 22 | 3 39 | 27 9 | 3 43 | 20 24 | 0 53 | 11 47 | 2 23 | 23 48 | 0 14 | 16 10 | 1 45 | 18 24 | 16 53 | 2 48 | 2 19 | 27 47 | 8 17 | 5 31 |
| F 12 | 20 51 | 25 18 | 4 45 | 19 11 | 3 34 | 18 33 | 3 36 | 27 8 | 3 42 | 20 26 | 0 53 | 11 47 | 2 23 | 23 48 | 0 14 | 16 11 | 1 45 | 18 24 | 16 54 | 2 50 | 2 20 | 27 46 | 8 16 | 5 31 |
| S 13 | 20 39 | 27 34 | 5 1 | 19 21 | 3 29 | 18 45 | 3 33 | 27 7 | 3 41 | 20 28 | 0 53 | 11 48 | 2 23 | 23 48 | 0 14 | 16 11 | 1 45 | 18 25 | 16 54 | 2 53 | 2 21 | 27 45 | 8 15 | 5 31 |
| S 14 | 20 27 | 28 34 | 5 4 | 19 31 | 3 23 | 18 55 | 3 30 | 27 5 | 3 41 | 20 30 | 0 53 | 11 49 | 2 23 | 23 48 | 0 14 | 16 11 | 1 45 | 18 26 | 16 55 | 2 57 | 2 22 | 27 44 | 8 14 | 5 31 |
| M15 | 20 14 | 28 15 | 4 55 | 19 41 | 3 15 | 19 6 | 3 28 | 27 4 | 3 40 | 20 32 | 0 53 | 11 49 | 2 24 | 23 48 | 0 14 | 16 11 | 1 45 | 18 27 | 16 55 | 3 1 | 2 24 | 27 43 | 8 13 | 5 31 |
| T 16 | 20 1 | 26 39 | 4 32 | 19 52 | 3 6 | 19 16 | 3 24 | 27 3 | 3 39 | 20 34 | 0 53 | 11 50 | 2 24 | 23 48 | 0 14 | 16 12 | 1 45 | 18 27 | 16 56 | 3 5 | 2 25 | 27 42 | 8 12 | 5 31 |
| W17 | 19 47 | 23 50 | 3 57 | 20 3 | 2 57 | 19 26 | 3 21 | 27 1 | 3 38 | 20 36 | 0 53 | 11 51 | 2 24 | 23 48 | 0 14 | 16 12 | 1 45 | 18 28 | 16 56 | 3 9 | 2 26 | 27 41 | 8 11 | 5 30 |
| T 18 | 19 33 | 20 0 | 3 12 | 20 14 | 2 46 | 19 36 | 3 18 | 27 0 | 3 37 | 20 38 | 0 54 | 11 51 | 2 24 | 23 48 | 0 14 | 16 12 | 1 46 | 18 29 | 16 57 | 3 13 | 2 27 | 27 40 | 8 10 | 5 30 |
| F 19 | 19 19 | 15 21 | 2 18 | 20 25 | 2 36 | 19 46 | 3 15 | 26 59 | 3 36 | 20 40 | 0 54 | 11 52 | 2 25 | 23 48 | 0 14 | 16 12 | 1 46 | 18 30 | 16 57 | 3 15 | 2 29 | 27 39 | 8 9 | 5 30 |
| S 20 | 19 4 | 10 3 | 1 17 | 20 35 | 2 24 | 19 54 | 3 11 | 26 57 | 3 35 | 20 42 | 0 54 | 11 52 | 2 25 | 23 48 | 0 14 | 16 12 | 1 46 | 18 31 | 16 58 | 3 16 | 2 30 | 27 38 | 8 8 | 5 30 |
| S 21 | 18 49 | 4 19 | 0 12 | 20 45 | 2 13 | 20 3 | 3 8 | 26 56 | 3 34 | 20 44 | 0 54 | 11 53 | 2 25 | 23 48 | 0 14 | 16 13 | 1 46 | 18 31 | 16 58 | 3 17 | 2 31 | 27 37 | 8 7 | 5 30 |
| M22 | 18 34 | 1n41 | 0n55 | 20 54 | 2 1 | 20 11 | 3 4 | 26 55 | 3 33 | 20 46 | 0 54 | 11 53 | 2 25 | 23 48 | 0 14 | 16 13 | 1 46 | 18 32 | 16 59 | 3 17 | 2 32 | 27 36 | 8 6 | 5 30 |
| T 23 | 18 18 | 7 43 | 2 1 | 21 3 | 1 50 | 20 19 | 3 0 | 26 53 | 3 31 | 20 48 | 0 54 | 11 54 | 2 25 | 23 48 | 0 14 | 16 13 | 1 46 | 18 33 | 16 59 | 3 16 | 2 34 | 27 34 | 8 5 | 5 30 |
| W24 | 18 2 | 13 34 | 3 2 | 21 11 | 1 38 | 20 26 | 2 57 | 26 52 | 3 30 | 20 49 | 0 54 | 11 54 | 2 26 | 23 48 | 0 14 | 16 13 | 1 46 | 18 34 | 17 0 | 3 16 | 2 35 | 27 33 | 8 3 | 5 29 |
| T 25 | 17 46 | 18 58 | 3 55 | 21 19 | 1 27 | 20 33 | 2 53 | 26 51 | 3 29 | 20 51 | 0 54 | 11 54 | 2 26 | 23 48 | 0 14 | 16 13 | 1 46 | 18 35 | 17 0 | 3 15 | 2 36 | 27 32 | 8 2 | 5 29 |
| F 26 | 17 29 | 23 33 | 4 37 | 21 26 | 1 15 | 20 40 | 2 49 | 26 50 | 3 28 | 20 53 | 0 54 | 11 55 | 2 26 | 23 48 | 0 14 | 16 13 | 1 46 | 18 35 | 17 0 | 3 16 | 2 38 | 27 31 | 8 1 | 5 29 |
| S 27 | 17 12 | 26 54 | 5 3 | 21 32 | 1 4 | 20 46 | 2 45 | 26 49 | 3 27 | 20 55 | 0 54 | 11 55 | 2 26 | 23 48 | 0 14 | 16 13 | 1 46 | 18 36 | 17 1 | 3 17 | 2 39 | 27 30 | 8 0 | 5 29 |
| S 28 | 16 55 | 28 35 | 5 10 | 21 37 | 0 53 | 20 51 | 2 41 | 26 47 | 3 25 | 20 57 | 0 55 | 11 55 | 2 27 | 23 48 | 0 14 | 16 14 | 1 46 | 18 37 | 17 1 | 3 18 | 2 40 | 27 29 | 7 59 | 5 29 |
| M29 | 16 38 | 28 15 | 4 57 | 21 41 | 0 42 | 20 57 | 2 37 | 26 46 | 3 24 | 20 58 | 0 55 | 11 55 | 2 27 | 23 48 | 0 14 | 16 14 | 1 46 | 18 38 | 17 2 | 3 21 | 2 41 | 27 28 | 7 58 | 5 29 |
| T 30 | 16 20 | 25 50 | 4 24 | 21 44 | 0 31 | 21 1 | 2 33 | 26 45 | 3 23 | 21 0 | 0 55 | 11 56 | 2 27 | 23 48 | 0 14 | 16 14 | 1 46 | 18 39 | 17 2 | 3 23 | 2 43 | 27 27 | 7 56 | 5 29 |
| W31 | 16s 2 | 21n35 | 3n31 | 21s46 | 0n21 | 21s 5 | 2n29 | 26n44 | 3n22 | 21n 2 | 0n55 | 11s56 | 2n27 | 23s48 | 0s14 | 16s14 | 1n46 | 18n40 | 17n 2 | 3s25 | 2s44 | 27s26 | 7s55 | 5n29 |

Julian Day Number = 2080098.5, Delta T = 25m49s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°33'58, Lahiri = 9°40'59 Julian Calendar 1 Jan. 983 == Greg. Calendar 6 Jan. 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## FEBRUARY 983 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 3 13 | 17♒20'11 | 23♌42 | 20♉48 | 1♉38 | 22♊55 | 0°R27 | 8♏ 0 | 29♐25 | 20♏22 | 22°R15 | 21°R22 | 23♓ 6 | 15♉23 | 25♒36 | T 1 |
| F 2 | 9 7 9 | 18°20'34 | 8♍28 | 21°51 | 2°44 | 23° 0 | 0♌20 | 8° 1 | 29°27 | 20°23 | 22♍14 | 21♓20 | 23° 3 | 15°30 | 25°40 | F 2 |
| S 3 | 9 11 6 | 19°20'56 | 22°51 | 22°57 | 3°51 | 23° 5 | 0°13 | 8° 2 | 29°30 | 20°23 | 22°13 | 21°D20 | 23° 0 | 15°37 | 25°43 | S 3 |
| S 4 | 9 15 3 | 20°21'15 | 6♎48 | 24° 6 | 4°58 | 23°11 | 0° 6 | 8° 3 | 29°32 | 20°23 | 22°12 | 21°20 | 22°57 | 15°44 | 25°47 | S 4 |
| M 5 | 9 18 59 | 21°21'34 | 20°17 | 25°16 | 6° 5 | 23°18 | 29♋59 | 8° 3 | 29°35 | 20°24 | 22°10 | 21°22 | 22°54 | 15°50 | 25°51 | M 5 |
| T 6 | 9 22 56 | 22°21'51 | 3♏21 | 26°28 | 7°12 | 23°26 | 29°52 | 8° 4 | 29°38 | 20°24 | 22° 9 | 21°23 | 22°50 | 15°57 | 25°55 | T 6 |
| W 7 | 9 26 52 | 23°22'06 | 16° 1 | 27°42 | 8°19 | 23°34 | 29°45 | 8° 4 | 29°40 | 20°24 | 22° 7 | 21°25 | 22°47 | 16° 4 | 25°59 | W 7 |
| T 8 | 9 30 49 | 24°22'20 | 28°22 | 28°57 | 9°27 | 23°43 | 29°38 | 8° 4 | 29°42 | 20°25 | 22° 6 | 21°R25 | 22°44 | 16°10 | 26° 3 | T 8 |
| F 9 | 9 34 45 | 25°22'32 | 10♐29 | 0♒15 | 10°35 | 23°52 | 29°32 | 8° 5 | 29°45 | 20°25 | 22° 5 | 21°24 | 22°41 | 16°17 | 26° 7 | F 9 |
| S 10 | 9 38 42 | 26°22'43 | 22°27 | 1°34 | 11°42 | 24° 2 | 29°25 | 8°R 5 | 29°47 | 20°25 | 22° 3 | 21°21 | 22°38 | 16°24 | 26°11 | S 10 |
| S 11 | 9 42 38 | 27°22'52 | 4♑19 | 2°54 | 12°50 | 24°13 | 29°19 | 8° 5 | 29°50 | 20°25 | 22° 2 | 21°18 | 22°35 | 16°30 | 26°14 | S 11 |
| M12 | 9 46 35 | 28°23'00 | 16° 9 | 4°16 | 13°58 | 24°24 | 29°13 | 8° 5 | 29°52 | 20°25 | 22° 0 | 21°14 | 22°31 | 16°37 | 26°18 | M12 |
| T 13 | 9 50 32 | 29°23'06 | 28° 1 | 5°39 | 15° 7 | 24°35 | 29° 7 | 8° 4 | 29°54 | 20°25 | 21°59 | 21°11 | 22°28 | 16°44 | 26°22 | T 13 |
| W14 | 9 54 28 | 0♓23'09 | 9♒58 | 7° 4 | 16°15 | 24°47 | 29° 1 | 8° 4 | 29°56 | 20°26 | 21°57 | 21° 7 | 22°25 | 16°51 | 26°26 | W14 |
| T 15 | 9 58 25 | 1°23'12 | 22° 1 | 8°30 | 17°23 | 25° 0 | 28°55 | 8° 4 | 29°59 | 20°R26 | 21°56 | 21° 4 | 22°22 | 16°57 | 26°30 | T 15 |
| F 16 | 10 2 21 | 2°23'12 | 4♓12 | 9°57 | 18°32 | 25°13 | 28°49 | 8° 3 | 0♑ 1 | 20°26 | 21°54 | 21° 2 | 22°19 | 17° 4 | 26°34 | F 16 |
| S 17 | 10 6 18 | 3°23'10 | 16°34 | 11°26 | 19°41 | 25°27 | 28°44 | 8° 2 | 0° 3 | 20°26 | 21°53 | 21°D 1 | 22°16 | 17°11 | 26°38 | S 17 |
| S 18 | 10 10 14 | 4°23'06 | 29° 5 | 12°55 | 20°49 | 25°41 | 28°39 | 8° 2 | 0° 5 | 20°25 | 21°51 | 21° 1 | 22°12 | 17°17 | 26°42 | S 18 |
| M19 | 10 14 11 | 5°23'00 | 11♈49 | 14°26 | 21°58 | 25°56 | 28°33 | 8° 1 | 0° 7 | 20°25 | 21°50 | 21° 2 | 22° 9 | 17°24 | 26°45 | M19 |
| T 20 | 10 18 7 | 6°22'51 | 24°46 | 15°59 | 23° 7 | 26°11 | 28°28 | 8° 0 | 0° 9 | 20°25 | 21°48 | 21° 4 | 22° 6 | 17°31 | 26°49 | T 20 |
| W21 | 10 22 4 | 7°22'41 | 7♉58 | 17°32 | 24°16 | 26°27 | 28°24 | 7°59 | 0°11 | 20°25 | 21°46 | 21° 5 | 22° 3 | 17°38 | 26°53 | W21 |
| T 22 | 10 26 1 | 8°22'28 | 21°26 | 19° 7 | 25°25 | 26°43 | 28°19 | 7°58 | 0°12 | 20°25 | 21°45 | 21° 6 | 22° 0 | 17°44 | 26°57 | T 22 |
| F 23 | 10 29 57 | 9°22'13 | 5♊10 | 20°43 | 26°35 | 26°59 | 28°14 | 7°57 | 0°14 | 20°25 | 21°43 | 21°R 6 | 21°56 | 17°51 | 27° 1 | F 23 |
| S 24 | 10 33 54 | 10°21'56 | 19°11 | 22°20 | 27°44 | 27°16 | 28°10 | 7°55 | 0°16 | 20°24 | 21°42 | 21° 6 | 21°53 | 17°58 | 27° 5 | S 24 |
| S 25 | 10 37 50 | 11°21'36 | 3♋27 | 23°58 | 28°54 | 27°34 | 28° 6 | 7°54 | 0°18 | 20°24 | 21°40 | 21° 5 | 21°50 | 18° 4 | 27° 8 | S 25 |
| M26 | 10 41 47 | 12°21'15 | 17°57 | 25°38 | 0♒ 3 | 27°51 | 28° 2 | 7°52 | 0°19 | 20°24 | 21°38 | 21° 5 | 21°47 | 18°11 | 27°12 | M26 |
| T 27 | 10 45 43 | 13°20'50 | 2♌37 | 27°18 | 1°13 | 28°10 | 27°58 | 7°51 | 0°21 | 20°23 | 21°37 | 21° 4 | 21°44 | 18°18 | 27°16 | T 27 |
| W28 | 10 49 40 | 14♓20'24 | 17♌19 | 29♒ 0 | 2♒22 | 28♊28 | 27♋54 | 7♏49 | 0♑23 | 20♏23 | 21♍35 | 21♓ 3 | 21♓41 | 18♉25 | 27♒20 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s44 | 15n58 | 2n25 | 21s46 | 0n11 | 21s 9 | 2n25 | 26n43 | 3n20 | 21n 3 | 0n55 | 11s56 | 2n27 | 23s48 | 0s14 | 16s14 | 1n46 | 18n40 | 17n 3 | 3s26 | 2s45 | 27s25 | 7s54 | 5n29 |
| F 2 | 15 25 | 9 31 | 1 10 | 21 46 | 0 1 | 21 12 | 2 21 | 26 42 | 3 19 | 21 5 | 0 55 | 11 56 | 2 28 | 23 48 | 0 14 | 16 14 | 1 46 | 18 41 | 17 3 | 3 27 | 2 46 | 27 23 | 7 53 | 5 29 |
| S 3 | 15 6 | 2 43 | 0s 8 | 21 45 | 0s 8 | 21 14 | 2 17 | 26 41 | 3 18 | 21 7 | 0 55 | 11 56 | 2 28 | 23 48 | 0 14 | 16 14 | 1 46 | 18 42 | 17 4 | 3 27 | 2 48 | 27 22 | 7 52 | 5 29 |
| S 4 | 14 47 | 4s 0 | 1 24 | 21 42 | 0 18 | 21 17 | 2 12 | 26 40 | 3 17 | 21 8 | 0 55 | 11 56 | 2 28 | 23 49 | 0 14 | 16 14 | 1 46 | 18 43 | 17 4 | 3 27 | 2 49 | 27 21 | 7 50 | 5 28 |
| M 5 | 14 28 | 10 19 | 2 32 | 21 38 | 0 27 | 21 18 | 2 8 | 26 39 | 3 15 | 21 10 | 0 55 | 11 56 | 2 28 | 23 49 | 0 14 | 16 14 | 1 47 | 18 44 | 17 4 | 3 27 | 2 50 | 27 20 | 7 49 | 5 28 |
| T 6 | 14 8 | 15 59 | 3 30 | 21 33 | 0 35 | 21 19 | 2 4 | 26 38 | 3 14 | 21 11 | 0 55 | 11 56 | 2 29 | 23 49 | 0 14 | 16 14 | 1 47 | 18 45 | 17 5 | 3 26 | 2 51 | 27 19 | 7 48 | 5 28 |
| W 7 | 13 48 | 20 48 | 4 16 | 21 27 | 0 43 | 21 19 | 2 0 | 26 37 | 3 13 | 21 13 | 0 55 | 11 56 | 2 29 | 23 49 | 0 14 | 16 14 | 1 47 | 18 46 | 17 5 | 3 25 | 2 53 | 27 18 | 7 47 | 5 28 |
| T 8 | 13 28 | 24 36 | 4 49 | 21 19 | 0 51 | 21 19 | 1 55 | 26 36 | 3 11 | 21 14 | 0 55 | 11 56 | 2 29 | 23 49 | 0 14 | 16 14 | 1 47 | 18 46 | 17 5 | 3 25 | 2 54 | 27 16 | 7 45 | 5 28 |
| F 9 | 13 8 | 27 13 | 5 8 | 21 10 | 0 59 | 21 18 | 1 51 | 26 36 | 3 10 | 21 16 | 0 55 | 11 55 | 2 29 | 23 49 | 0 14 | 16 14 | 1 47 | 18 47 | 17 5 | 3 26 | 2 55 | 27 15 | 7 44 | 5 28 |
| S 10 | 12 48 | 28 34 | 5 14 | 21 0 | 1 6 | 21 17 | 1 47 | 26 35 | 3 9 | 21 17 | 0 55 | 11 55 | 2 29 | 23 49 | 0 14 | 16 14 | 1 47 | 18 48 | 17 6 | 3 27 | 2 56 | 27 14 | 7 43 | 5 28 |
| S 11 | 12 27 | 28 36 | 5 6 | 20 48 | 1 13 | 21 15 | 1 42 | 26 34 | 3 7 | 21 18 | 0 55 | 11 55 | 2 30 | 23 49 | 0 14 | 16 14 | 1 47 | 18 49 | 17 6 | 3 28 | 2 58 | 27 13 | 7 42 | 5 28 |
| M12 | 12 6 | 27 18 | 4 45 | 20 35 | 1 20 | 21 13 | 1 38 | 26 33 | 3 6 | 21 20 | 0 55 | 11 55 | 2 30 | 23 49 | 0 14 | 16 14 | 1 47 | 18 50 | 17 6 | 3 29 | 2 59 | 27 12 | 7 40 | 5 28 |
| T 13 | 11 45 | 24 47 | 4 11 | 20 21 | 1 26 | 21 10 | 1 33 | 26 32 | 3 5 | 21 21 | 0 55 | 11 55 | 2 30 | 23 49 | 0 14 | 16 14 | 1 47 | 18 51 | 17 7 | 3 31 | 3 0 | 27 10 | 7 39 | 5 28 |
| W14 | 11 24 | 21 10 | 3 27 | 20 5 | 1 32 | 21 6 | 1 29 | 26 31 | 3 3 | 21 22 | 0 55 | 11 54 | 2 30 | 23 49 | 0 14 | 16 14 | 1 47 | 18 51 | 17 7 | 3 32 | 3 1 | 27 9 | 7 38 | 5 28 |
| T 15 | 11 3 | 16 40 | 2 33 | 19 48 | 1 37 | 21 2 | 1 25 | 26 31 | 3 2 | 21 23 | 0 55 | 11 54 | 2 31 | 23 49 | 0 14 | 16 14 | 1 47 | 18 52 | 17 7 | 3 34 | 3 3 | 27 8 | 7 36 | 5 28 |
| F 16 | 10 41 | 11 26 | 1 31 | 19 30 | 1 43 | 20 57 | 1 20 | 26 30 | 3 1 | 21 25 | 0 55 | 11 54 | 2 31 | 23 49 | 0 14 | 16 14 | 1 47 | 18 53 | 17 7 | 3 34 | 3 4 | 27 7 | 7 35 | 5 28 |
| S 17 | 10 19 | 5 43 | 0 25 | 19 10 | 1 47 | 20 52 | 1 16 | 26 29 | 3 0 | 21 26 | 0 55 | 11 53 | 2 31 | 23 49 | 0 14 | 16 14 | 1 47 | 18 54 | 17 8 | 3 35 | 3 5 | 27 6 | 7 34 | 5 28 |
| S 18 | 9 57 | 0n19 | 0n44 | 18 49 | 1 52 | 20 46 | 1 12 | 26 28 | 2 58 | 21 27 | 0 55 | 11 53 | 2 31 | 23 49 | 0 14 | 16 14 | 1 47 | 18 55 | 17 8 | 3 35 | 3 7 | 27 4 | 7 33 | 5 28 |
| M19 | 9 35 | 6 25 | 1 52 | 18 26 | 1 56 | 20 40 | 1 7 | 26 27 | 2 57 | 21 28 | 0 55 | 11 52 | 2 31 | 23 49 | 0 14 | 16 14 | 1 47 | 18 56 | 17 8 | 3 34 | 3 8 | 27 3 | 7 31 | 5 28 |
| T 20 | 9 13 | 12 22 | 2 56 | 18 2 | 1 59 | 20 33 | 1 3 | 26 27 | 2 56 | 21 29 | 0 55 | 11 52 | 2 32 | 23 49 | 0 14 | 16 14 | 1 47 | 18 56 | 17 8 | 3 34 | 3 9 | 27 2 | 7 30 | 5 28 |
| W21 | 8 51 | 17 53 | 3 51 | 17 36 | 2 3 | 20 25 | 0 59 | 26 26 | 2 54 | 21 30 | 0 55 | 11 51 | 2 32 | 23 49 | 0 14 | 16 14 | 1 47 | 18 57 | 17 8 | 3 33 | 3 10 | 27 0 | 7 29 | 5 28 |
| T 22 | 8 29 | 22 38 | 4 35 | 17 10 | 2 5 | 20 17 | 0 55 | 26 25 | 2 53 | 21 31 | 0 55 | 11 51 | 2 32 | 23 49 | 0 14 | 16 14 | 1 47 | 18 58 | 17 9 | 3 33 | 3 12 | 26 59 | 7 27 | 5 28 |
| F 23 | 8 6 | 26 16 | 5 4 | 16 41 | 2 8 | 20 8 | 0 50 | 26 24 | 2 52 | 21 32 | 0 55 | 11 50 | 2 32 | 23 49 | 0 15 | 16 13 | 1 48 | 18 59 | 17 9 | 3 33 | 3 13 | 26 58 | 7 26 | 5 28 |
| S 24 | 7 43 | 28 23 | 5 16 | 16 11 | 2 10 | 19 59 | 0 46 | 26 23 | 2 51 | 21 33 | 0 55 | 11 49 | 2 32 | 23 49 | 0 15 | 16 13 | 1 48 | 19 0 | 17 9 | 3 33 | 3 14 | 26 57 | 7 25 | 5 28 |
| S 25 | 7 21 | 28 41 | 5 9 | 15 40 | 2 11 | 19 49 | 0 42 | 26 22 | 2 49 | 21 34 | 0 55 | 11 49 | 2 33 | 23 49 | 0 15 | 16 13 | 1 48 | 19 0 | 17 9 | 3 33 | 3 15 | 26 55 | 7 23 | 5 28 |
| M26 | 6 58 | 27 2 | 4 43 | 15 7 | 2 12 | 19 38 | 0 38 | 26 21 | 2 48 | 21 34 | 0 55 | 11 48 | 2 33 | 23 49 | 0 15 | 16 13 | 1 48 | 19 1 | 17 9 | 3 33 | 3 17 | 26 54 | 7 22 | 5 28 |
| T 27 | 6 35 | 23 32 | 3 57 | 14 33 | 2 13 | 19 27 | 0 34 | 26 21 | 2 47 | 21 35 | 0 55 | 11 47 | 2 33 | 23 49 | 0 15 | 16 13 | 1 48 | 19 2 | 17 9 | 3 34 | 3 18 | 26 53 | 7 21 | 5 28 |
| W28 | 6s12 | 18n31 | 2n56 | 13s58 | 2s13 | 19s16 | 0n29 | 26n20 | 2n46 | 21n36 | 0n55 | 11s47 | 2n33 | 23s49 | 0s15 | 16s13 | 1n48 | 19n 3 | 17n 9 | 3s34 | 3s19 | 26s51 | 7s19 | 5n28 |

Julian Day Number = 2080129.5, Delta T = 25m49s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'02, Lahiri = 9°41'03 Julian Calendar 1 Feb. 983 == Greg. Calendar 6 Feb. 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## MARCH 983 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 53 36 | 15♓19'55 | 1♍59 | 0♓44 | 3♒32 | 28♊47 | 27°R51 | 7°R47 | 0♑24 | 20°R23 | 21°R33 | 21°R 2 | 21♓37 | 18♑31 | 27♒23 | T 1 |
| F 2 | 10 57 33 | 16°19'23 | 16°28 | 2°28 | 4°42 | 29° 7 | 27♋47 | 7♏45 | 0°26 | 20♏22 | 21♍32 | 21°D 2 | 21°34 | 18°38 | 27°27 | F 2 |
| S 3 | 11 1 30 | 17°18'50 | 0♎42 | 4°14 | 5°52 | 29°26 | 27°44 | 7°43 | 0°27 | 20°22 | 21°30 | 21♓ 2 | 21°31 | 18°45 | 27°31 | S 3 |
| S 4 | 11 5 26 | 18°18'15 | 14°36 | 6° 1 | 7° 2 | 29°46 | 27°41 | 7°41 | 0°28 | 20°21 | 21°28 | 21° 2 | 21°28 | 18°51 | 27°35 | S 4 |
| M 5 | 11 9 23 | 19°17'38 | 28° 7 | 7°50 | 8°12 | 0♋ 7 | 27°39 | 7°39 | 0°30 | 20°21 | 21°27 | 21° 2 | 21°25 | 18°58 | 27°38 | M 5 |
| T 6 | 11 13 19 | 20°16'59 | 11♏15 | 9°39 | 9°22 | 0°27 | 27°36 | 7°37 | 0°31 | 20°20 | 21°25 | 21° 3 | 21°22 | 19° 5 | 27°42 | T 6 |
| W 7 | 11 17 16 | 21°16'18 | 24° 0 | 11°30 | 10°33 | 0°48 | 27°34 | 7°35 | 0°32 | 20°19 | 21°24 | 21°R 3 | 21°18 | 19°12 | 27°46 | W 7 |
| T 8 | 11 21 12 | 22°15'35 | 6♐26 | 13°23 | 11°43 | 1°10 | 27°31 | 7°32 | 0°34 | 20°19 | 21°22 | 21° 3 | 21°15 | 19°18 | 27°49 | T 8 |
| F 9 | 11 25 9 | 23°14'51 | 18°37 | 15°17 | 12°53 | 1°31 | 27°29 | 7°30 | 0°35 | 20°18 | 21°20 | 21°D 3 | 21°12 | 19°25 | 27°53 | F 9 |
| S 10 | 11 29 5 | 24°14'04 | 0♑37 | 17°12 | 14° 4 | 1°53 | 27°28 | 7°27 | 0°36 | 20°17 | 21°19 | 21° 3 | 21° 9 | 19°32 | 27°56 | S 10 |
| S 11 | 11 33 2 | 25°13'16 | 12°30 | 19° 8 | 15°14 | 2°16 | 27°26 | 7°24 | 0°37 | 20°17 | 21°17 | 21° 3 | 21° 6 | 19°38 | 28° 0 | S 11 |
| M12 | 11 36 59 | 26°12'26 | 24°21 | 21° 6 | 16°25 | 2°38 | 27°24 | 7°22 | 0°38 | 20°16 | 21°15 | 21° 3 | 21° 2 | 19°45 | 28° 3 | M12 |
| T 13 | 11 40 55 | 27°11'34 | 6♒15 | 23° 5 | 17°35 | 3° 1 | 27°23 | 7°19 | 0°39 | 20°15 | 21°14 | 21° 4 | 20°59 | 19°52 | 28° 7 | T 13 |
| W14 | 11 44 52 | 28°10'41 | 18°15 | 25° 5 | 18°46 | 3°24 | 27°22 | 7°16 | 0°40 | 20°14 | 21°12 | 21° 5 | 20°56 | 19°58 | 28°10 | W14 |
| T 15 | 11 48 48 | 29° 9'45 | 0♓25 | 27° 6 | 19°57 | 3°48 | 27°21 | 7°13 | 0°41 | 20°13 | 21°10 | 21° 5 | 20°53 | 20° 5 | 28°14 | T 15 |
| F 16 | 11 52 45 | 0♈ 8'47 | 12°47 | 29° 8 | 21° 8 | 4°12 | 27°21 | 7°10 | 0°41 | 20°13 | 21° 9 | 21° 6 | 20°50 | 20°12 | 28°17 | F 16 |
| S 17 | 11 56 41 | 1° 7'47 | 25°23 | 1♈12 | 22°18 | 4°36 | 27°20 | 7° 7 | 0°42 | 20°12 | 21° 7 | 21°R 6 | 20°47 | 20°19 | 28°21 | S 17 |
| S 18 | 12 0 38 | 2° 6'45 | 8♈14 | 3°16 | 23°29 | 5° 0 | 27°20 | 7° 4 | 0°43 | 20°11 | 21° 5 | 21° 5 | 20°43 | 20°25 | 28°24 | S 18 |
| M19 | 12 4 34 | 3° 5'42 | 21°21 | 5°21 | 24°40 | 5°24 | 27°D20 | 7° 0 | 0°43 | 20°10 | 21° 4 | 21° 4 | 20°40 | 20°32 | 28°27 | M19 |
| T 20 | 12 8 31 | 4° 4'35 | 4♉42 | 7°26 | 25°51 | 5°49 | 27°20 | 6°57 | 0°44 | 20° 9 | 21° 2 | 21° 3 | 20°37 | 20°39 | 28°31 | T 20 |
| W21 | 12 12 27 | 5° 3'27 | 18°17 | 9°31 | 27° 2 | 6°14 | 27°20 | 6°54 | 0°45 | 20° 8 | 21° 1 | 21° 1 | 20°34 | 20°45 | 28°34 | W21 |
| T 22 | 12 16 24 | 6° 2'17 | 2♊ 3 | 11°37 | 28°13 | 6°39 | 27°20 | 6°50 | 0°45 | 20° 7 | 20°59 | 20°59 | 20°31 | 20°52 | 28°37 | T 22 |
| F 23 | 12 20 21 | 7° 1'04 | 15°59 | 13°42 | 29°24 | 7° 5 | 27°21 | 6°47 | 0°45 | 20° 6 | 20°57 | 20°58 | 20°27 | 20°59 | 28°41 | F 23 |
| S 24 | 12 24 17 | 7°59'49 | 0♋ 4 | 15°47 | 0♓36 | 7°31 | 27°22 | 6°43 | 0°46 | 20° 5 | 20°56 | 20°57 | 20°24 | 21° 5 | 28°44 | S 24 |
| S 25 | 12 28 14 | 8°58'32 | 14°14 | 17°51 | 1°47 | 7°57 | 27°23 | 6°39 | 0°46 | 20° 4 | 20°54 | 20°D57 | 20°21 | 21°12 | 28°47 | S 25 |
| M26 | 12 32 10 | 9°57'13 | 28°29 | 19°54 | 2°58 | 8°23 | 27°24 | 6°36 | 0°46 | 20° 2 | 20°53 | 20°57 | 20°18 | 21°19 | 28°50 | M26 |
| T 27 | 12 36 7 | 10°55'51 | 12♌45 | 21°56 | 4° 9 | 8°49 | 27°25 | 6°32 | 0°47 | 20° 1 | 20°51 | 20°58 | 20°15 | 21°26 | 28°53 | T 27 |
| W28 | 12 40 3 | 11°54'26 | 27° 0 | 23°56 | 5°20 | 9°16 | 27°27 | 6°28 | 0°47 | 20° 0 | 20°50 | 21° 0 | 20°12 | 21°32 | 28°56 | W28 |
| T 29 | 12 44 0 | 12°53'00 | 11♍11 | 25°53 | 6°32 | 9°42 | 27°29 | 6°24 | 0°47 | 19°59 | 20°48 | 21° 1 | 20° 8 | 21°39 | 28°59 | T 29 |
| F 30 | 12 47 56 | 13°51'31 | 25°14 | 27°48 | 7°43 | 10° 9 | 27°31 | 6°20 | 0°47 | 19°58 | 20°47 | 21°R 1 | 20° 5 | 21°46 | 29° 2 | F 30 |
| S 31 | 12 51 53 | 14♈50'01 | 9♎ 6 | 29♈41 | 8♓54 | 10♋37 | 27♋33 | 6♏16 | 0°R47 | 19♏56 | 20♍45 | 21♓ 0 | 20♓ 2 | 21♑52 | 29♒ 5 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5 s49 | 12n27 | 1n44 | 13 s21 | 2 s13 | 19 s 4 | 0n25 | 26n19 | 2n44 | 21n36 | 0n55 | 11 s46 | 2n33 | 23 s49 | 0 s15 | 16 s13 | 1n48 | 19n 3 | 17n10 | 3 s34 | 3 s20 | 26 s50 | 7 s18 | 5n29 |
| F 2 | 5 26 | 5 45 | 0 25 | 12 42 | 2 12 | 18 51 | 0 21 | 26 17 | 2 43 | 21 37 | 0 55 | 11 45 | 2 34 | 23 49 | 0 15 | 16 12 | 1 48 | 19 4 | 17 10 | 3 34 | 3 22 | 26 49 | 7 17 | 5 29 |
| S 3 | 5 2 | 1 s 6 | 0 s53 | 12 3 | 2 11 | 18 38 | 0 17 | 26 16 | 2 42 | 21 38 | 0 55 | 11 44 | 2 34 | 23 49 | 0 15 | 16 12 | 1 48 | 19 5 | 17 10 | 3 34 | 3 23 | 26 47 | 7 15 | 5 29 |
| S 4 | 4 39 | 7 44 | 2 7 | 11 21 | 2 9 | 18 24 | 0 13 | 26 15 | 2 41 | 21 38 | 0 55 | 11 43 | 2 34 | 23 49 | 0 15 | 16 12 | 1 48 | 19 6 | 17 10 | 3 34 | 3 24 | 26 46 | 7 14 | 5 29 |
| M 5 | 4 16 | 13 50 | 3 12 | 10 39 | 2 7 | 18 10 | 0 9 | 26 14 | 2 40 | 21 39 | 0 55 | 11 43 | 2 34 | 23 49 | 0 15 | 16 12 | 1 48 | 19 6 | 17 10 | 3 34 | 3 25 | 26 44 | 7 13 | 5 29 |
| T 6 | 3 52 | 19 9 | 4 4 | 9 55 | 2 4 | 17 55 | 0 6 | 26 13 | 2 38 | 21 39 | 0 55 | 11 42 | 2 34 | 23 49 | 0 15 | 16 12 | 1 48 | 19 7 | 17 10 | 3 34 | 3 27 | 26 43 | 7 11 | 5 29 |
| W 7 | 3 29 | 23 26 | 4 43 | 9 9 | 2 1 | 17 40 | 0 2 | 26 12 | 2 37 | 21 40 | 0 55 | 11 41 | 2 35 | 23 49 | 0 15 | 16 11 | 1 48 | 19 8 | 17 10 | 3 34 | 3 28 | 26 42 | 7 10 | 5 29 |
| T 8 | 3 5 | 26 33 | 5 7 | 8 23 | 1 58 | 17 24 | 0 s 2 | 26 10 | 2 36 | 21 40 | 0 55 | 11 40 | 2 35 | 23 49 | 0 15 | 16 11 | 1 48 | 19 8 | 17 10 | 3 34 | 3 29 | 26 40 | 7 9 | 5 29 |
| F 9 | 2 42 | 28 21 | 5 17 | 7 34 | 1 53 | 17 8 | 0 6 | 26 9 | 2 35 | 21 40 | 0 55 | 11 39 | 2 35 | 23 49 | 0 15 | 16 11 | 1 48 | 19 9 | 17 10 | 3 34 | 3 30 | 26 39 | 7 8 | 5 29 |
| S 10 | 2 18 | 28 47 | 5 13 | 6 45 | 1 49 | 16 51 | 0 9 | 26 7 | 2 34 | 21 41 | 0 55 | 11 38 | 2 35 | 23 49 | 0 15 | 16 11 | 1 48 | 19 10 | 17 10 | 3 34 | 3 32 | 26 37 | 7 6 | 5 29 |
| S 11 | 1 55 | 27 53 | 4 55 | 5 54 | 1 43 | 16 34 | 0 13 | 26 6 | 2 33 | 21 41 | 0 55 | 11 37 | 2 35 | 23 49 | 0 15 | 16 10 | 1 48 | 19 11 | 17 10 | 3 34 | 3 33 | 26 36 | 7 5 | 5 29 |
| M12 | 1 31 | 25 43 | 4 25 | 5 2 | 1 37 | 16 16 | 0 17 | 26 4 | 2 32 | 21 41 | 0 55 | 11 36 | 2 35 | 23 49 | 0 15 | 16 10 | 1 48 | 19 11 | 17 10 | 3 34 | 3 34 | 26 35 | 7 4 | 5 29 |
| T 13 | 1 7 | 22 26 | 3 44 | 4 9 | 1 31 | 15 58 | 0 20 | 26 3 | 2 30 | 21 41 | 0 54 | 11 35 | 2 36 | 23 49 | 0 15 | 16 10 | 1 48 | 19 12 | 17 10 | 3 34 | 3 36 | 26 33 | 7 2 | 5 30 |
| W14 | 0 44 | 18 10 | 2 52 | 3 15 | 1 24 | 15 39 | 0 24 | 26 1 | 2 29 | 21 42 | 0 54 | 11 34 | 2 36 | 23 49 | 0 15 | 16 10 | 1 49 | 19 12 | 17 10 | 3 33 | 3 37 | 26 32 | 7 1 | 5 30 |
| T 15 | 0 20 | 13 8 | 1 52 | 2 20 | 1 17 | 15 20 | 0 27 | 25 59 | 2 28 | 21 42 | 0 54 | 11 33 | 2 36 | 23 49 | 0 15 | 16 9 | 1 49 | 19 13 | 17 10 | 3 33 | 3 38 | 26 30 | 7 0 | 5 30 |
| F 16 | 0n 4 | 7 30 | 0 46 | 1 24 | 1 9 | 15 1 | 0 30 | 25 57 | 2 27 | 21 42 | 0 54 | 11 31 | 2 36 | 23 49 | 0 15 | 16 9 | 1 49 | 19 14 | 17 10 | 3 33 | 3 39 | 26 29 | 6 58 | 5 30 |
| S 17 | 0 27 | 1 29 | 0n24 | 0 27 | 1 1 | 14 41 | 0 34 | 25 56 | 2 26 | 21 42 | 0 54 | 11 30 | 2 36 | 23 49 | 0 15 | 16 9 | 1 49 | 19 14 | 17 10 | 3 33 | 3 41 | 26 27 | 6 57 | 5 30 |
| S 18 | 0 51 | 4n43 | 1 33 | 0n31 | 0 52 | 14 21 | 0 37 | 25 54 | 2 25 | 21 42 | 0 54 | 11 29 | 2 36 | 23 49 | 0 15 | 16 9 | 1 49 | 19 15 | 17 10 | 3 33 | 3 42 | 26 26 | 6 56 | 5 30 |
| M19 | 1 14 | 10 50 | 2 40 | 1 29 | 0 42 | 14 0 | 0 40 | 25 52 | 2 24 | 21 42 | 0 54 | 11 28 | 2 36 | 23 49 | 0 15 | 16 8 | 1 49 | 19 15 | 17 10 | 3 34 | 3 43 | 26 24 | 6 55 | 5 30 |
| T 20 | 1 38 | 16 35 | 3 38 | 2 28 | 0 33 | 13 39 | 0 43 | 25 49 | 2 23 | 21 42 | 0 54 | 11 27 | 2 37 | 23 49 | 0 15 | 16 8 | 1 49 | 19 16 | 17 10 | 3 34 | 3 44 | 26 23 | 6 53 | 5 31 |
| W21 | 2 1 | 21 37 | 4 26 | 3 27 | 0 22 | 13 17 | 0 46 | 25 47 | 2 22 | 21 42 | 0 54 | 11 25 | 2 37 | 23 49 | 0 15 | 16 8 | 1 49 | 19 17 | 17 10 | 3 35 | 3 46 | 26 21 | 6 52 | 5 31 |
| T 22 | 2 25 | 25 34 | 4 59 | 4 26 | 0 12 | 12 55 | 0 49 | 25 45 | 2 21 | 21 41 | 0 54 | 11 24 | 2 37 | 23 49 | 0 15 | 16 7 | 1 49 | 19 17 | 17 10 | 3 36 | 3 47 | 26 20 | 6 51 | 5 31 |
| F 23 | 2 48 | 28 2 | 5 14 | 5 25 | 0 1 | 12 33 | 0 52 | 25 42 | 2 20 | 21 41 | 0 54 | 11 23 | 2 37 | 23 49 | 0 15 | 16 7 | 1 49 | 19 18 | 17 9 | 3 36 | 3 48 | 26 18 | 6 50 | 5 31 |
| S 24 | 3 11 | 28 46 | 5 12 | 6 24 | 0n10 | 12 11 | 0 55 | 25 40 | 2 19 | 21 41 | 0 54 | 11 22 | 2 37 | 23 49 | 0 15 | 16 7 | 1 49 | 19 18 | 17 9 | 3 37 | 3 49 | 26 17 | 6 48 | 5 31 |
| S 25 | 3 35 | 27 37 | 4 50 | 7 22 | 0 21 | 11 48 | 0 57 | 25 37 | 2 18 | 21 41 | 0 54 | 11 20 | 2 37 | 23 49 | 0 15 | 16 6 | 1 49 | 19 19 | 17 9 | 3 37 | 3 51 | 26 15 | 6 47 | 5 31 |
| M26 | 3 58 | 24 40 | 4 11 | 8 19 | 0 32 | 11 24 | 1 0 | 25 35 | 2 17 | 21 40 | 0 54 | 11 19 | 2 37 | 23 49 | 0 15 | 16 6 | 1 49 | 19 19 | 17 9 | 3 36 | 3 52 | 26 14 | 6 46 | 5 31 |
| T 27 | 4 21 | 20 12 | 3 16 | 9 16 | 0 43 | 11 1 | 1 3 | 25 32 | 2 16 | 21 40 | 0 54 | 11 18 | 2 37 | 23 49 | 0 15 | 16 6 | 1 49 | 19 20 | 17 9 | 3 36 | 3 53 | 26 12 | 6 45 | 5 32 |
| W28 | 4 44 | 14 35 | 2 8 | 10 11 | 0 54 | 10 37 | 1 5 | 25 29 | 2 15 | 21 40 | 0 54 | 11 16 | 2 38 | 23 50 | 0 15 | 16 5 | 1 49 | 19 20 | 17 9 | 3 35 | 3 54 | 26 11 | 6 43 | 5 32 |
| T 29 | 5 7 | 8 15 | 0 54 | 11 4 | 1 5 | 10 13 | 1 8 | 25 26 | 2 14 | 21 39 | 0 54 | 11 15 | 2 38 | 23 50 | 0 15 | 16 5 | 1 49 | 19 21 | 17 9 | 3 35 | 3 56 | 26 9 | 6 42 | 5 32 |
| F 30 | 5 30 | 1 33 | 0 s23 | 11 56 | 1 16 | 9 48 | 1 10 | 25 23 | 2 13 | 21 39 | 0 53 | 11 14 | 2 38 | 23 50 | 0 15 | 16 5 | 1 49 | 19 21 | 17 8 | 3 35 | 3 57 | 26 8 | 6 41 | 5 32 |
| S 31 | 5n53 | 5 s 7 | 1 s38 | 12n46 | 1n27 | 9 s23 | 1 s12 | 25n20 | 2n12 | 21n38 | 0n53 | 11 s12 | 2n38 | 23 s50 | 0 s15 | 16 s 4 | 1n49 | 19n21 | 17n 8 | 3 s35 | 3 s58 | 26 s 6 | 6 s40 | 5n32 |

Julian Day Number = 2080157.5, Delta T = 25m48s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'06, Lahiri = 9°41'07 Julian Calendar 1 March 983 == Greg. Calendar 6 March 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## APRIL 983 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 55 50 | 15♈48'28 | 22♎44 | 1♉30 | 10♓ 6 | 11♋ 4 | 27♋35 | 6°R12 | 0°R47 | 19°R55 | 20°R44 | 20°R58 | 19♓59 | 21♑59 | 29♒ 8 | S 1 |
| M 2 | 12 59 46 | 16°46'53 | 6♏ 4 | 3°16 | 11°17 | 11°31 | 27°37 | 6♏ 8 | 0♑47 | 19♏54 | 20♍42 | 20♓55 | 19°56 | 22° 6 | 29°11 | M 2 |
| T 3 | 13 3 43 | 17°45'17 | 19° 7 | 4°58 | 12°29 | 11°59 | 27°40 | 6° 4 | 0°47 | 19°53 | 20°41 | 20°50 | 19°53 | 22°13 | 29°14 | T 3 |
| W 4 | 13 7 39 | 18°43'39 | 1♐51 | 6°37 | 13°40 | 12°27 | 27°43 | 6° 0 | 0°47 | 19°51 | 20°39 | 20°46 | 19°49 | 22°19 | 29°17 | W 4 |
| T 5 | 13 11 36 | 19°41'59 | 14°18 | 8°12 | 14°52 | 12°55 | 27°46 | 5°56 | 0°46 | 19°50 | 20°38 | 20°42 | 19°46 | 22°26 | 29°19 | T 5 |
| F 6 | 13 15 32 | 20°40'18 | 26°30 | 9°42 | 16° 3 | 13°23 | 27°49 | 5°51 | 0°46 | 19°49 | 20°37 | 20°38 | 19°43 | 22°33 | 29°22 | F 6 |
| S 7 | 13 19 29 | 21°38'35 | 8♑31 | 11° 9 | 17°15 | 13°52 | 27°52 | 5°47 | 0°46 | 19°47 | 20°35 | 20°36 | 19°40 | 22°39 | 29°25 | S 7 |
| S 8 | 13 23 25 | 22°36'50 | 20°24 | 12°31 | 18°27 | 14°20 | 27°56 | 5°43 | 0°46 | 19°46 | 20°34 | 20°D35 | 19°37 | 22°46 | 29°28 | S 8 |
| M 9 | 13 27 22 | 23°35'04 | 2♒16 | 13°48 | 19°38 | 14°49 | 27°59 | 5°39 | 0°45 | 19°44 | 20°33 | 20°36 | 19°33 | 22°53 | 29°30 | M 9 |
| T 10 | 13 31 19 | 24°33'17 | 14°10 | 15° 1 | 20°50 | 15°18 | 28° 3 | 5°34 | 0°45 | 19°43 | 20°31 | 20°37 | 19°30 | 22°59 | 29°33 | T 10 |
| W11 | 13 35 15 | 25°31'27 | 26°12 | 16°10 | 22° 2 | 15°47 | 28° 7 | 5°30 | 0°44 | 19°42 | 20°30 | 20°39 | 19°27 | 23° 6 | 29°35 | W11 |
| T 12 | 13 39 12 | 26°29'37 | 8♓26 | 17°13 | 23°14 | 16°16 | 28°11 | 5°25 | 0°44 | 19°40 | 20°29 | 20°40 | 19°24 | 23°13 | 29°38 | T 12 |
| F 13 | 13 43 8 | 27°27'44 | 20°55 | 18°12 | 24°25 | 16°46 | 28°16 | 5°21 | 0°43 | 19°39 | 20°27 | 20°R41 | 19°21 | 23°20 | 29°40 | F 13 |
| S 14 | 13 47 5 | 28°25'50 | 3♈44 | 19° 6 | 25°37 | 17°15 | 28°20 | 5°17 | 0°42 | 19°37 | 20°26 | 20°40 | 19°18 | 23°26 | 29°43 | S 14 |
| S 15 | 13 51 1 | 29°23'55 | 16°52 | 19°56 | 26°49 | 17°45 | 28°25 | 5°12 | 0°42 | 19°36 | 20°25 | 20°37 | 19°14 | 23°33 | 29°45 | S 15 |
| M16 | 13 54 58 | 0♉21'58 | 0♉21 | 20°40 | 28° 1 | 18°15 | 28°30 | 5° 8 | 0°41 | 19°34 | 20°24 | 20°33 | 19°11 | 23°40 | 29°47 | M16 |
| T 17 | 13 58 54 | 1°19'59 | 14° 8 | 21°19 | 29°13 | 18°45 | 28°35 | 5° 3 | 0°40 | 19°33 | 20°23 | 20°27 | 19° 8 | 23°46 | 29°50 | T 17 |
| W18 | 14 2 51 | 2°17'58 | 28°10 | 21°53 | 0♈25 | 19°15 | 28°40 | 4°59 | 0°39 | 19°31 | 20°21 | 20°21 | 19° 5 | 23°53 | 29°52 | W18 |
| T 19 | 14 6 48 | 3°15'56 | 12♊23 | 22°22 | 1°37 | 19°45 | 28°45 | 4°54 | 0°38 | 19°30 | 20°20 | 20°14 | 19° 2 | 24° 0 | 29°54 | T 19 |
| F 20 | 14 10 44 | 4°13'52 | 26°41 | 22°46 | 2°49 | 20°15 | 28°51 | 4°50 | 0°37 | 19°28 | 20°19 | 20° 8 | 18°59 | 24° 6 | 29°56 | F 20 |
| S 21 | 14 14 41 | 5°11'47 | 11♋ 1 | 23° 5 | 4° 1 | 20°46 | 28°56 | 4°45 | 0°36 | 19°27 | 20°18 | 20° 4 | 18°55 | 24°13 | 29°58 | S 21 |
| S 22 | 14 18 37 | 6° 9'39 | 25°17 | 23°18 | 5°13 | 21°17 | 29° 2 | 4°41 | 0°35 | 19°25 | 20°17 | 20° 2 | 18°52 | 24°20 | 0♓ 0 | S 22 |
| M23 | 14 22 34 | 7° 7'30 | 9♌28 | 23°27 | 6°25 | 21°47 | 29° 8 | 4°36 | 0°34 | 19°23 | 20°16 | 20°D 1 | 18°49 | 24°27 | 0° 2 | M23 |
| T 24 | 14 26 30 | 8° 5'18 | 23°32 | 23°R30 | 7°37 | 22°18 | 29°14 | 4°32 | 0°33 | 19°22 | 20°15 | 20° 2 | 18°46 | 24°33 | 0° 4 | T 24 |
| W25 | 14 30 27 | 9° 3'05 | 7♍27 | 23°29 | 8°49 | 22°49 | 29°20 | 4°27 | 0°32 | 19°20 | 20°14 | 20° 3 | 18°43 | 24°40 | 0° 6 | W25 |
| T 26 | 14 34 23 | 10° 0'50 | 21°14 | 23°23 | 10° 1 | 23°20 | 29°26 | 4°23 | 0°31 | 19°19 | 20°13 | 20°R 4 | 18°39 | 24°47 | 0° 8 | T 26 |
| F 27 | 14 38 20 | 10°58'34 | 4♎51 | 23°12 | 11°13 | 23°52 | 29°33 | 4°18 | 0°29 | 19°17 | 20°12 | 20° 3 | 18°36 | 24°53 | 0°10 | F 27 |
| S 28 | 14 42 17 | 11°56'15 | 18°17 | 22°57 | 12°25 | 24°23 | 29°39 | 4°14 | 0°28 | 19°15 | 20°11 | 20° 0 | 18°33 | 25° 0 | 0°11 | S 28 |
| S 29 | 14 46 13 | 12°53'56 | 1♏32 | 22°38 | 13°37 | 24°54 | 29°46 | 4° 9 | 0°27 | 19°14 | 20°11 | 19°54 | 18°30 | 25° 7 | 0°13 | S 29 |
| M30 | 14 50 10 | 13♉51'35 | 14♏35 | 22♉16 | 14♈49 | 25♋26 | 29♋53 | 4♏ 5 | 0♑25 | 19♏12 | 20♍10 | 19♓47 | 18♓27 | 25♑13 | 0♓15 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n15 | 11s27 | 2s45 | 13n34 | 1n37 | 8s58 | 1s14 | 25n17 | 2n11 | 21n38 | 0n53 | 11s11 | 2n38 | 23s50 | 0s15 | 16s 4 | 1n49 | 19n22 | 17n 8 | 3s36 | 3s59 | 26s 5 | 6s39 | 5n33 |
| M 2 | 6 38 | 17 7 | 3 42 | 14 20 | 1 46 | 8 33 | 1 16 | 25 13 | 2 10 | 21 37 | 0 53 | 11 9 | 2 38 | 23 50 | 0 15 | 16 4 | 1 49 | 19 22 | 17 8 | 3 37 | 4 1 | 26 3 | 6 37 | 5 33 |
| T 3 | 7 0 | 21 52 | 4 26 | 15 4 | 1 55 | 8 7 | 1 19 | 25 10 | 2 9 | 21 37 | 0 53 | 11 8 | 2 38 | 23 50 | 0 15 | 16 3 | 1 49 | 19 23 | 17 8 | 3 39 | 4 2 | 26 1 | 6 36 | 5 33 |
| W 4 | 7 23 | 25 29 | 4 56 | 15 45 | 2 4 | 7 42 | 1 20 | 25 6 | 2 8 | 21 36 | 0 53 | 11 7 | 2 38 | 23 50 | 0 15 | 16 3 | 1 49 | 19 23 | 17 7 | 3 41 | 4 3 | 26 0 | 6 35 | 5 33 |
| T 5 | 7 45 | 27 47 | 5 11 | 16 23 | 2 12 | 7 16 | 1 22 | 25 3 | 2 7 | 21 35 | 0 53 | 11 5 | 2 38 | 23 50 | 0 15 | 16 2 | 1 49 | 19 23 | 17 7 | 3 42 | 4 4 | 25 58 | 6 34 | 5 33 |
| F 6 | 8 7 | 28 43 | 5 11 | 16 59 | 2 19 | 6 49 | 1 24 | 24 59 | 2 6 | 21 35 | 0 53 | 11 4 | 2 38 | 23 50 | 0 15 | 16 2 | 1 49 | 19 24 | 17 7 | 3 44 | 4 6 | 25 57 | 6 33 | 5 34 |
| S 7 | 8 29 | 28 15 | 4 58 | 17 33 | 2 25 | 6 23 | 1 26 | 24 55 | 2 5 | 21 34 | 0 53 | 11 2 | 2 38 | 23 50 | 0 15 | 16 2 | 1 49 | 19 24 | 17 7 | 3 45 | 4 7 | 25 55 | 6 32 | 5 34 |
| S 8 | 8 51 | 26 29 | 4 32 | 18 4 | 2 30 | 5 56 | 1 28 | 24 51 | 2 4 | 21 33 | 0 53 | 11 1 | 2 38 | 23 50 | 0 15 | 16 1 | 1 49 | 19 24 | 17 6 | 3 45 | 4 8 | 25 53 | 6 30 | 5 34 |
| M 9 | 9 12 | 23 34 | 3 54 | 18 32 | 2 35 | 5 29 | 1 29 | 24 47 | 2 3 | 21 32 | 0 53 | 10 59 | 2 38 | 23 50 | 0 15 | 16 1 | 1 49 | 19 25 | 17 6 | 3 45 | 4 9 | 25 52 | 6 29 | 5 34 |
| T 10 | 9 34 | 19 38 | 3 6 | 18 58 | 2 39 | 5 2 | 1 31 | 24 43 | 2 2 | 21 32 | 0 53 | 10 58 | 2 38 | 23 50 | 0 16 | 16 0 | 1 49 | 19 25 | 17 6 | 3 44 | 4 11 | 25 50 | 6 28 | 5 34 |
| W11 | 9 55 | 14 53 | 2 10 | 19 21 | 2 42 | 4 35 | 1 32 | 24 38 | 2 1 | 21 31 | 0 53 | 10 56 | 2 38 | 23 50 | 0 16 | 16 0 | 1 50 | 19 25 | 17 5 | 3 44 | 4 12 | 25 48 | 6 27 | 5 35 |
| T 12 | 10 17 | 9 29 | 1 6 | 19 41 | 2 44 | 4 8 | 1 33 | 24 34 | 2 0 | 21 30 | 0 53 | 10 55 | 2 38 | 23 50 | 0 16 | 16 0 | 1 50 | 19 25 | 17 5 | 3 43 | 4 13 | 25 47 | 6 26 | 5 35 |
| F 13 | 10 38 | 3 36 | 0n 1 | 19 59 | 2 44 | 3 40 | 1 35 | 24 29 | 1 59 | 21 29 | 0 52 | 10 53 | 2 38 | 23 50 | 0 16 | 15 59 | 1 50 | 19 26 | 17 5 | 3 43 | 4 14 | 25 45 | 6 25 | 5 35 |
| S 14 | 10 59 | 2n34 | 1 10 | 20 14 | 2 44 | 3 13 | 1 36 | 24 24 | 1 58 | 21 28 | 0 52 | 10 52 | 2 38 | 23 50 | 0 16 | 15 59 | 1 50 | 19 26 | 17 5 | 3 43 | 4 16 | 25 43 | 6 24 | 5 35 |
| S 15 | 11 19 | 8 47 | 2 17 | 20 26 | 2 43 | 2 45 | 1 37 | 24 20 | 1 57 | 21 27 | 0 52 | 10 50 | 2 38 | 23 50 | 0 16 | 15 58 | 1 50 | 19 26 | 17 4 | 3 44 | 4 17 | 25 42 | 6 23 | 5 36 |
| M16 | 11 40 | 14 45 | 3 18 | 20 36 | 2 41 | 2 17 | 1 38 | 24 15 | 1 56 | 21 26 | 0 52 | 10 49 | 2 38 | 23 50 | 0 16 | 15 58 | 1 50 | 19 26 | 17 4 | 3 46 | 4 18 | 25 40 | 6 22 | 5 36 |
| T 17 | 12 0 | 20 8 | 4 9 | 20 43 | 2 38 | 1 49 | 1 39 | 24 10 | 1 56 | 21 25 | 0 52 | 10 47 | 2 38 | 23 50 | 0 16 | 15 57 | 1 50 | 19 26 | 17 4 | 3 48 | 4 19 | 25 38 | 6 21 | 5 36 |
| W18 | 12 20 | 24 30 | 4 46 | 20 48 | 2 33 | 1 21 | 1 40 | 24 5 | 1 55 | 21 24 | 0 52 | 10 46 | 2 38 | 23 50 | 0 16 | 15 57 | 1 50 | 19 27 | 17 3 | 3 51 | 4 21 | 25 37 | 6 20 | 5 36 |
| T 19 | 12 40 | 27 27 | 5 6 | 20 51 | 2 28 | 0 53 | 1 40 | 23 59 | 1 54 | 21 22 | 0 52 | 10 44 | 2 38 | 23 50 | 0 16 | 15 57 | 1 50 | 19 27 | 17 3 | 3 53 | 4 22 | 25 35 | 6 19 | 5 37 |
| F 20 | 13 0 | 28 38 | 5 7 | 20 50 | 2 21 | 0 25 | 1 41 | 23 54 | 1 53 | 21 21 | 0 52 | 10 43 | 2 38 | 23 50 | 0 16 | 15 56 | 1 50 | 19 27 | 17 3 | 3 56 | 4 23 | 25 33 | 6 18 | 5 37 |
| S 21 | 13 20 | 27 54 | 4 48 | 20 48 | 2 13 | 0n 3 | 1 42 | 23 48 | 1 52 | 21 20 | 0 52 | 10 42 | 2 38 | 23 50 | 0 16 | 15 56 | 1 50 | 19 27 | 17 2 | 3 57 | 4 24 | 25 32 | 6 17 | 5 37 |
| S 22 | 13 39 | 25 20 | 4 12 | 20 43 | 2 5 | 0 31 | 1 42 | 23 43 | 1 51 | 21 19 | 0 52 | 10 40 | 2 38 | 23 50 | 0 16 | 15 55 | 1 50 | 19 27 | 17 2 | 3 58 | 4 26 | 25 30 | 6 16 | 5 37 |
| M23 | 13 58 | 21 13 | 3 21 | 20 35 | 1 55 | 0 59 | 1 43 | 23 37 | 1 50 | 21 17 | 0 52 | 10 39 | 2 38 | 23 50 | 0 16 | 15 55 | 1 50 | 19 27 | 17 1 | 3 58 | 4 27 | 25 28 | 6 15 | 5 38 |
| T 24 | 14 17 | 15 55 | 2 18 | 20 25 | 1 44 | 1 28 | 1 43 | 23 31 | 1 49 | 21 16 | 0 52 | 10 37 | 2 38 | 23 50 | 0 16 | 15 54 | 1 50 | 19 27 | 17 1 | 3 58 | 4 28 | 25 26 | 6 14 | 5 38 |
| W25 | 14 36 | 9 52 | 1 7 | 20 13 | 1 32 | 1 56 | 1 43 | 23 25 | 1 49 | 21 15 | 0 52 | 10 36 | 2 38 | 23 50 | 0 16 | 15 54 | 1 50 | 19 27 | 17 1 | 3 58 | 4 29 | 25 25 | 6 13 | 5 38 |
| T 26 | 14 54 | 3 24 | 0s 6 | 19 59 | 1 19 | 2 24 | 1 43 | 23 19 | 1 48 | 21 13 | 0 52 | 10 34 | 2 38 | 23 50 | 0 16 | 15 54 | 1 50 | 19 27 | 17 0 | 3 57 | 4 31 | 25 23 | 6 12 | 5 38 |
| F 27 | 15 12 | 3s 8 | 1 19 | 19 43 | 1 5 | 2 52 | 1 44 | 23 13 | 1 47 | 21 12 | 0 52 | 10 33 | 2 38 | 23 50 | 0 16 | 15 53 | 1 50 | 19 27 | 17 0 | 3 58 | 4 32 | 25 21 | 6 11 | 5 39 |
| S 28 | 15 30 | 9 27 | 2 26 | 19 25 | 0 50 | 3 21 | 1 44 | 23 6 | 1 46 | 21 11 | 0 51 | 10 31 | 2 38 | 23 50 | 0 16 | 15 53 | 1 50 | 19 27 | 17 0 | 3 59 | 4 33 | 25 19 | 6 11 | 5 39 |
| S 29 | 15 48 | 15 15 | 3 24 | 19 5 | 0 34 | 3 49 | 1 44 | 23 0 | 1 45 | 21 9 | 0 51 | 10 30 | 2 38 | 23 50 | 0 16 | 15 52 | 1 50 | 19 27 | 16 59 | 4 1 | 4 34 | 25 18 | 6 10 | 5 39 |
| M30 | 16n 5 | 20s16 | 4s10 | 18n44 | 0n18 | 4n17 | 1s44 | 22n53 | 1n44 | 21n 8 | 0n51 | 10s29 | 2n38 | 23s50 | 0s16 | 15s52 | 1n50 | 19n27 | 16n59 | 4s 4 | 4s36 | 25s16 | 6s 9 | 5n40 |

Julian Day Number = 2080188.5, Delta T = 25m48s
Ecliptic obliquity = 23°34'25, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'10, Lahiri = 9°41'11 Julian Calendar 1 Apr. 983 == Greg. Calendar 6 Apr. 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## MAY 983 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 54 6 | 14♉49'12 | 27♏24 | 21°R50 | 16♈ 1 | 25♋58 | 0♌ 0 | 4°R 1 | 0°R24 | 19°R11 | 20°R 9 | 19°R37 | 18♓24 | 25♑20 | 0♓16 | T 1 |
| W 2 | 14 58 3 | 15°46'49 | 9♐59 | 21♉22 | 17°13 | 26°29 | 0° 7 | 3♏56 | 0♑22 | 19♏ 9 | 20♍ 8 | 19♓27 | 18°20 | 25°27 | 0°18 | W 2 |
| T 3 | 15 1 59 | 16°44'24 | 22°20 | 20°51 | 18°26 | 27° 1 | 0°15 | 3°52 | 0°21 | 19° 7 | 20° 7 | 19°17 | 18°17 | 25°33 | 0°19 | T 3 |
| F 4 | 15 5 56 | 17°41'58 | 4♑29 | 20°19 | 19°38 | 27°33 | 0°22 | 3°48 | 0°19 | 19° 6 | 20° 7 | 19° 9 | 18°14 | 25°40 | 0°21 | F 4 |
| S 5 | 15 9 52 | 18°39'31 | 16°28 | 19°45 | 20°50 | 28° 5 | 0°29 | 3°43 | 0°18 | 19° 4 | 20° 6 | 19° 2 | 18°11 | 25°47 | 0°22 | S 5 |
| S 6 | 15 13 49 | 19°37'04 | 28°21 | 19°11 | 22° 2 | 28°38 | 0°37 | 3°39 | 0°16 | 19° 3 | 20° 5 | 18°57 | 18° 8 | 25°54 | 0°24 | S 6 |
| M 7 | 15 17 46 | 20°34'35 | 10♒11 | 18°37 | 23°15 | 29°10 | 0°45 | 3°35 | 0°15 | 19° 1 | 20° 5 | 18°55 | 18° 5 | 26° 0 | 0°25 | M 7 |
| T 8 | 15 21 42 | 21°32'05 | 22° 5 | 18° 4 | 24°27 | 29°42 | 0°53 | 3°31 | 0°13 | 18°59 | 20° 4 | 18°D54 | 18° 1 | 26° 7 | 0°26 | T 8 |
| W 9 | 15 25 39 | 22°29'34 | 4♓ 6 | 17°32 | 25°39 | 0♌15 | 1° 1 | 3°27 | 0°11 | 18°58 | 20° 4 | 18°55 | 17°58 | 26°14 | 0°27 | W 9 |
| T 10 | 15 29 35 | 23°27'03 | 16°20 | 17° 1 | 26°52 | 0°48 | 1° 9 | 3°23 | 0° 9 | 18°56 | 20° 3 | 18°R55 | 17°55 | 26°20 | 0°28 | T 10 |
| F 11 | 15 33 32 | 24°24'31 | 28°52 | 16°33 | 28° 4 | 1°20 | 1°17 | 3°19 | 0° 8 | 18°54 | 20° 3 | 18°55 | 17°52 | 26°27 | 0°29 | F 11 |
| S 12 | 15 37 28 | 25°21'58 | 11♈46 | 16° 8 | 29°16 | 1°53 | 1°26 | 3°15 | 0° 6 | 18°53 | 20° 2 | 18°53 | 17°49 | 26°34 | 0°31 | S 12 |
| S 13 | 15 41 25 | 26°19'24 | 25° 5 | 15°45 | 0♉29 | 2°26 | 1°34 | 3°11 | 0° 4 | 18°51 | 20° 2 | 18°48 | 17°45 | 26°40 | 0°31 | S 13 |
| M14 | 15 45 21 | 27°16'49 | 8♉49 | 15°27 | 1°41 | 2°59 | 1°43 | 3° 7 | 0° 2 | 18°50 | 20° 1 | 18°41 | 17°42 | 26°47 | 0°32 | M14 |
| T 15 | 15 49 18 | 28°14'14 | 22°57 | 15°11 | 2°54 | 3°32 | 1°51 | 3° 3 | 0° 0 | 18°48 | 20° 1 | 18°32 | 17°39 | 26°54 | 0°33 | T 15 |
| W16 | 15 53 15 | 29°11'37 | 7♊23 | 15° 0 | 4° 6 | 4° 5 | 2° 0 | 2°59 | 29♐58 | 18°46 | 20° 1 | 18°22 | 17°36 | 27° 0 | 0°34 | W16 |
| T 17 | 15 57 11 | 0♊ 9'00 | 22° 3 | 14°53 | 5°19 | 4°39 | 2° 9 | 2°55 | 29°56 | 18°45 | 20° 0 | 18°11 | 17°33 | 27° 7 | 0°35 | T 17 |
| F 18 | 16 1 8 | 1° 6'22 | 6♋47 | 14°D51 | 6°31 | 5°12 | 2°18 | 2°52 | 29°54 | 18°43 | 20° 0 | 18° 2 | 17°30 | 27°14 | 0°35 | F 18 |
| S 19 | 16 5 4 | 2° 3'43 | 21°28 | 14°53 | 7°44 | 5°45 | 2°27 | 2°48 | 29°52 | 18°42 | 20° 0 | 17°55 | 17°26 | 27°21 | 0°36 | S 19 |
| S 20 | 16 9 1 | 3° 1'03 | 6♌ 0 | 14°59 | 8°56 | 6°19 | 2°37 | 2°44 | 29°50 | 18°40 | 19°59 | 17°50 | 17°23 | 27°27 | 0°37 | S 20 |
| M21 | 16 12 57 | 3°58'21 | 20°18 | 15°10 | 10° 9 | 6°53 | 2°46 | 2°41 | 29°48 | 18°39 | 19°59 | 17°48 | 17°20 | 27°34 | 0°37 | M21 |
| T 22 | 16 16 54 | 4°55'39 | 4♍21 | 15°25 | 11°21 | 7°26 | 2°55 | 2°37 | 29°46 | 18°37 | 19°59 | 17°D47 | 17°17 | 27°41 | 0°38 | T 22 |
| W23 | 16 20 51 | 5°52'55 | 18° 8 | 15°45 | 12°34 | 8° 0 | 3° 5 | 2°34 | 29°44 | 18°35 | 19°59 | 17°R47 | 17°14 | 27°47 | 0°38 | W23 |
| T 24 | 16 24 47 | 6°50'11 | 1♎40 | 16° 9 | 13°46 | 8°34 | 3°15 | 2°31 | 29°42 | 18°34 | 19°59 | 17°47 | 17°11 | 27°54 | 0°38 | T 24 |
| F 25 | 16 28 44 | 7°47'26 | 14°58 | 16°38 | 14°59 | 9° 8 | 3°24 | 2°27 | 29°39 | 18°32 | 19°59 | 17°45 | 17° 7 | 28° 1 | 0°39 | F 25 |
| S 26 | 16 32 40 | 8°44'39 | 28° 4 | 17°11 | 16°12 | 9°42 | 3°34 | 2°24 | 29°37 | 18°31 | 19°D59 | 17°40 | 17° 4 | 28° 7 | 0°39 | S 26 |
| S 27 | 16 36 37 | 9°41'53 | 10♏58 | 17°49 | 17°24 | 10°16 | 3°44 | 2°21 | 29°35 | 18°29 | 19°59 | 17°32 | 17° 1 | 28°14 | 0°39 | S 27 |
| M28 | 16 40 33 | 10°39'05 | 23°41 | 18°30 | 18°37 | 10°50 | 3°54 | 2°18 | 29°33 | 18°28 | 19°59 | 17°22 | 16°58 | 28°21 | 0°39 | M28 |
| T 29 | 16 44 30 | 11°36'17 | 6♐13 | 19°16 | 19°50 | 11°24 | 4° 4 | 2°15 | 29°31 | 18°26 | 19°59 | 17°10 | 16°55 | 28°27 | 0°39 | T 29 |
| W30 | 16 48 26 | 12°33'28 | 18°35 | 20° 6 | 21° 2 | 11°59 | 4°14 | 2°12 | 29°28 | 18°25 | 19°59 | 16°56 | 16°51 | 28°34 | 0°R39 | W30 |
| T 31 | 16 52 23 | 13♊30'39 | 0♑46 | 20♉59 | 22♉15 | 12♌33 | 4♌25 | 2♏ 9 | 29♐26 | 18♏24 | 19♍59 | 16♓43 | 16♓48 | 28♑41 | 0♓39 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n22 | 24s16 | 4s42 | 18n21 | 0n 1 | 4n45 | 1s43 | 22n46 | 1n44 | 21n 6 | 0n51 | 10s27 | 2n38 | 23s50 | 0s16 | 15s51 | 1n50 | 19n27 | 16n58 | 4s 8 | 4s37 | 25s14 | 6s 8 | 5n40 |
| W 2 | 16 39 | 27 1 | 5 1 | 17 57 | 0s16 | 5 13 | 1 43 | 22 39 | 1 43 | 21 4 | 0 51 | 10 26 | 2 38 | 23 50 | 0 16 | 15 51 | 1 50 | 19 27 | 16 58 | 4 12 | 4 38 | 25 12 | 6 7 | 5 40 |
| T 3 | 16 56 | 28 25 | 5 4 | 17 32 | 0 33 | 5 41 | 1 43 | 22 32 | 1 42 | 21 3 | 0 51 | 10 24 | 2 38 | 23 50 | 0 16 | 15 50 | 1 50 | 19 27 | 16 57 | 4 16 | 4 39 | 25 10 | 6 7 | 5 40 |
| F 4 | 17 12 | 28 24 | 4 54 | 17 7 | 0 51 | 6 9 | 1 42 | 22 25 | 1 41 | 21 1 | 0 51 | 10 23 | 2 38 | 23 50 | 0 16 | 15 50 | 1 50 | 19 27 | 16 57 | 4 19 | 4 41 | 25 9 | 6 6 | 5 41 |
| S 5 | 17 28 | 27 2 | 4 31 | 16 41 | 1 8 | 6 36 | 1 42 | 22 18 | 1 40 | 20 59 | 0 51 | 10 22 | 2 37 | 23 50 | 0 16 | 15 50 | 1 50 | 19 27 | 16 57 | 4 22 | 4 42 | 25 7 | 6 5 | 5 41 |
| S 6 | 17 44 | 24 28 | 3 56 | 16 15 | 1 25 | 7 4 | 1 41 | 22 10 | 1 40 | 20 58 | 0 51 | 10 20 | 2 37 | 23 50 | 0 16 | 15 49 | 1 50 | 19 26 | 16 56 | 4 24 | 4 43 | 25 5 | 6 4 | 5 41 |
| M 7 | 18 0 | 20 51 | 3 11 | 15 50 | 1 42 | 7 31 | 1 41 | 22 3 | 1 39 | 20 56 | 0 51 | 10 19 | 2 37 | 23 50 | 0 16 | 15 49 | 1 50 | 19 26 | 16 56 | 4 25 | 4 44 | 25 3 | 6 4 | 5 42 |
| T 8 | 18 15 | 16 24 | 2 18 | 15 25 | 1 58 | 7 59 | 1 40 | 21 55 | 1 38 | 20 54 | 0 51 | 10 18 | 2 37 | 23 50 | 0 16 | 15 48 | 1 50 | 19 26 | 16 55 | 4 25 | 4 46 | 25 1 | 6 3 | 5 42 |
| W 9 | 18 30 | 11 17 | 1 18 | 15 1 | 2 13 | 8 26 | 1 39 | 21 47 | 1 37 | 20 52 | 0 51 | 10 16 | 2 37 | 23 50 | 0 16 | 15 48 | 1 50 | 19 26 | 16 55 | 4 25 | 4 47 | 25 0 | 6 2 | 5 42 |
| T 10 | 18 44 | 5 38 | 0 14 | 14 39 | 2 28 | 8 53 | 1 38 | 21 40 | 1 36 | 20 50 | 0 51 | 10 15 | 2 37 | 23 51 | 0 16 | 15 47 | 1 50 | 19 26 | 16 54 | 4 24 | 4 48 | 24 58 | 6 2 | 5 42 |
| F 11 | 18 59 | 0n21 | 0n53 | 14 17 | 2 42 | 9 20 | 1 38 | 21 32 | 1 36 | 20 49 | 0 51 | 10 14 | 2 37 | 23 51 | 0 16 | 15 47 | 1 50 | 19 25 | 16 54 | 4 25 | 4 49 | 24 56 | 6 1 | 5 43 |
| S 12 | 19 13 | 6 29 | 1 58 | 13 58 | 2 55 | 9 46 | 1 37 | 21 23 | 1 35 | 20 47 | 0 51 | 10 13 | 2 37 | 23 51 | 0 16 | 15 47 | 1 50 | 19 25 | 16 53 | 4 25 | 4 51 | 24 54 | 6 0 | 5 43 |
| S 13 | 19 26 | 12 33 | 3 0 | 13 40 | 3 6 | 10 13 | 1 36 | 21 15 | 1 34 | 20 45 | 0 51 | 10 11 | 2 36 | 23 51 | 0 16 | 15 46 | 1 50 | 19 25 | 16 53 | 4 27 | 4 52 | 24 52 | 6 0 | 5 43 |
| M14 | 19 40 | 18 11 | 3 52 | 13 25 | 3 17 | 10 39 | 1 34 | 21 7 | 1 33 | 20 43 | 0 51 | 10 10 | 2 36 | 23 51 | 0 16 | 15 46 | 1 50 | 19 25 | 16 52 | 4 30 | 4 53 | 24 50 | 5 59 | 5 44 |
| T 15 | 19 53 | 23 0 | 4 33 | 13 12 | 3 26 | 11 5 | 1 33 | 20 58 | 1 32 | 20 41 | 0 51 | 10 9 | 2 36 | 23 51 | 0 16 | 15 45 | 1 50 | 19 24 | 16 52 | 4 34 | 4 54 | 24 48 | 5 58 | 5 44 |
| W16 | 20 5 | 26 32 | 4 56 | 13 0 | 3 35 | 11 31 | 1 32 | 20 50 | 1 32 | 20 39 | 0 51 | 10 8 | 2 36 | 23 51 | 0 16 | 15 45 | 1 50 | 19 24 | 16 51 | 4 38 | 4 56 | 24 47 | 5 58 | 5 44 |
| T 17 | 20 18 | 28 20 | 5 1 | 12 52 | 3 42 | 11 56 | 1 31 | 20 41 | 1 31 | 20 37 | 0 51 | 10 7 | 2 36 | 23 51 | 0 16 | 15 44 | 1 50 | 19 24 | 16 51 | 4 42 | 4 57 | 24 45 | 5 57 | 5 44 |
| F 18 | 20 30 | 28 9 | 4 46 | 12 46 | 3 47 | 12 22 | 1 29 | 20 32 | 1 30 | 20 35 | 0 50 | 10 6 | 2 36 | 23 51 | 0 16 | 15 44 | 1 50 | 19 24 | 16 51 | 4 45 | 4 58 | 24 43 | 5 57 | 5 45 |
| S 19 | 20 41 | 26 0 | 4 12 | 12 42 | 3 52 | 12 47 | 1 28 | 20 23 | 1 29 | 20 32 | 0 50 | 10 5 | 2 36 | 23 51 | 0 16 | 15 44 | 1 50 | 19 23 | 16 50 | 4 48 | 4 59 | 24 41 | 5 56 | 5 45 |
| S 20 | 20 53 | 22 8 | 3 22 | 12 40 | 3 55 | 13 11 | 1 27 | 20 14 | 1 29 | 20 30 | 0 50 | 10 4 | 2 35 | 23 51 | 0 16 | 15 43 | 1 50 | 19 23 | 16 50 | 4 50 | 5 1 | 24 39 | 5 56 | 5 45 |
| M21 | 21 4 | 17 1 | 2 20 | 12 41 | 3 58 | 13 36 | 1 25 | 20 4 | 1 28 | 20 28 | 0 50 | 10 3 | 2 35 | 23 51 | 0 16 | 15 43 | 1 50 | 19 22 | 16 49 | 4 51 | 5 2 | 24 37 | 5 55 | 5 46 |
| T 22 | 21 14 | 11 4 | 1 11 | 12 44 | 3 59 | 14 0 | 1 24 | 19 55 | 1 27 | 20 26 | 0 50 | 10 2 | 2 35 | 23 51 | 0 16 | 15 42 | 1 50 | 19 22 | 16 49 | 4 51 | 5 3 | 24 35 | 5 55 | 5 46 |
| W23 | 21 24 | 4 41 | 0s 2 | 12 50 | 3 59 | 14 24 | 1 22 | 19 45 | 1 26 | 20 24 | 0 50 | 10 1 | 2 35 | 23 51 | 0 16 | 15 42 | 1 50 | 19 22 | 16 48 | 4 51 | 5 4 | 24 33 | 5 55 | 5 46 |
| T 24 | 21 34 | 1s47 | 1 13 | 12 58 | 3 58 | 14 47 | 1 20 | 19 36 | 1 26 | 20 21 | 0 50 | 10 0 | 2 35 | 23 51 | 0 16 | 15 42 | 1 50 | 19 21 | 16 48 | 4 51 | 5 6 | 24 31 | 5 54 | 5 47 |
| F 25 | 21 44 | 8 3 | 2 18 | 13 8 | 3 56 | 15 10 | 1 19 | 19 26 | 1 25 | 20 19 | 0 50 | 9 59 | 2 34 | 23 51 | 0 16 | 15 41 | 1 49 | 19 21 | 16 47 | 4 52 | 5 7 | 24 29 | 5 54 | 5 47 |
| S 26 | 21 53 | 13 53 | 3 16 | 13 20 | 3 53 | 15 33 | 1 17 | 19 16 | 1 24 | 20 17 | 0 50 | 9 58 | 2 34 | 23 51 | 0 16 | 15 41 | 1 49 | 19 20 | 16 47 | 4 54 | 5 8 | 24 27 | 5 53 | 5 47 |
| S 27 | 22 2 | 19 1 | 4 2 | 13 34 | 3 50 | 15 55 | 1 15 | 19 6 | 1 23 | 20 14 | 0 50 | 9 57 | 2 34 | 23 51 | 0 16 | 15 40 | 1 49 | 19 20 | 16 46 | 4 57 | 5 9 | 24 25 | 5 53 | 5 47 |
| M28 | 22 10 | 23 14 | 4 35 | 13 49 | 3 45 | 16 17 | 1 13 | 18 56 | 1 23 | 20 12 | 0 50 | 9 56 | 2 34 | 23 51 | 0 16 | 15 40 | 1 49 | 19 19 | 16 46 | 5 1 | 5 11 | 24 23 | 5 53 | 5 48 |
| T 29 | 22 18 | 26 18 | 4 54 | 14 7 | 3 40 | 16 39 | 1 11 | 18 46 | 1 22 | 20 9 | 0 50 | 9 55 | 2 34 | 23 51 | 0 16 | 15 40 | 1 49 | 19 19 | 16 45 | 5 6 | 5 12 | 24 21 | 5 52 | 5 48 |
| W30 | 22 26 | 28 3 | 5 0 | 14 26 | 3 34 | 17 0 | 1 9 | 18 35 | 1 21 | 20 7 | 0 50 | 9 54 | 2 33 | 23 51 | 0 16 | 15 39 | 1 49 | 19 18 | 16 45 | 5 11 | 5 13 | 24 19 | 5 52 | 5 48 |
| T 31 | 22n33 | 28s25 | 4s51 | 14n47 | 3s27 | 17n21 | 1s 7 | 18n25 | 1n20 | 20n 4 | 0n50 | 9s54 | 2n33 | 23s51 | 0s16 | 15s39 | 1n49 | 19n18 | 16n44 | 5s16 | 5s14 | 24s17 | 5s52 | 5n49 |

Julian Day Number = 2080218.5, Delta T = 25m47s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'15, Lahiri = 9°41'15 Julian Calendar 1 May 983 == Greg. Calendar 6 May 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## JUNE 983 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 56 20 | 14♊27'50 | 12♉49 | 21♉57 | 23♉28 | 13♌ 8 | 4♌35 | 2°R 7 | 29°R24 | 18°R22 | 19♍59 | 16°R32 | 16♓45 | 28♉48 | 0°R39 | F 1 |
| S 2 | 17 0 16 | 15°25'01 | 24°44 | 22°58 | 24°41 | 13°42 | 4°46 | 2♏ 4 | 29♐21 | 18♏21 | 20° 0 | 16♓22 | 16°42 | 28°54 | 0♓39 | S 2 |
| S 3 | 17 4 13 | 16°22'11 | 6♒34 | 24° 4 | 25°53 | 14°17 | 4°56 | 2° 2 | 29°19 | 18°19 | 20° 0 | 16°15 | 16°39 | 29° 1 | 0°39 | S 3 |
| M 4 | 17 8 9 | 17°19'21 | 18°23 | 25°13 | 27° 6 | 14°52 | 5° 7 | 1°59 | 29°17 | 18°18 | 20° 0 | 16°10 | 16°36 | 29° 8 | 0°38 | M 4 |
| T 5 | 17 12 6 | 18°16'31 | 0♓15 | 26°26 | 28°19 | 15°26 | 5°17 | 1°57 | 29°14 | 18°17 | 20° 0 | 16° 8 | 16°32 | 29°14 | 0°38 | T 5 |
| W 6 | 17 16 2 | 19°13'41 | 12°15 | 27°42 | 29°32 | 16° 1 | 5°28 | 1°54 | 29°12 | 18°15 | 20° 1 | 16° 8 | 16°29 | 29°21 | 0°38 | W 6 |
| T 7 | 17 19 59 | 20°10'51 | 24°27 | 29° 2 | 0♊45 | 16°36 | 5°39 | 1°52 | 29°10 | 18°14 | 20° 1 | 16° 8 | 16°26 | 29°28 | 0°37 | T 7 |
| F 8 | 17 23 55 | 21° 8'01 | 6♈58 | 0♊26 | 1°58 | 17°11 | 5°50 | 1°50 | 29° 7 | 18°13 | 20° 2 | 16° 7 | 16°23 | 29°34 | 0°37 | F 8 |
| S 9 | 17 27 52 | 22° 5'11 | 19°52 | 1°53 | 3°11 | 17°46 | 6° 1 | 1°48 | 29° 5 | 18°11 | 20° 2 | 16° 5 | 16°20 | 29°41 | 0°36 | S 9 |
| S 10 | 17 31 49 | 23° 2'21 | 3♉12 | 3°23 | 4°24 | 18°21 | 6°12 | 1°46 | 29° 2 | 18°10 | 20° 2 | 16° 0 | 16°16 | 29°48 | 0°36 | S 10 |
| M11 | 17 35 45 | 23°59'32 | 17° 2 | 4°57 | 5°37 | 18°57 | 6°23 | 1°44 | 29° 0 | 18° 9 | 20° 3 | 15°53 | 16°13 | 29°54 | 0°35 | M11 |
| T 12 | 17 39 42 | 24°56'43 | 1♊19 | 6°35 | 6°50 | 19°32 | 6°34 | 1°42 | 28°58 | 18° 8 | 20° 4 | 15°44 | 16°10 | 0♒ 1 | 0°34 | T 12 |
| W13 | 17 43 38 | 25°53'54 | 16° 0 | 8°15 | 8° 3 | 20° 7 | 6°46 | 1°40 | 28°55 | 18° 6 | 20° 4 | 15°33 | 16° 7 | 0° 8 | 0°34 | W13 |
| T 14 | 17 47 35 | 26°51'05 | 0♋57 | 9°59 | 9°16 | 20°43 | 6°57 | 1°39 | 28°53 | 18° 5 | 20° 5 | 15°23 | 16° 4 | 0°14 | 0°33 | T 14 |
| F 15 | 17 51 31 | 27°48'16 | 16° 2 | 11°46 | 10°29 | 21°18 | 7° 8 | 1°37 | 28°50 | 18° 4 | 20° 5 | 15°13 | 16° 1 | 0°21 | 0°32 | F 15 |
| S 16 | 17 55 28 | 28°45'27 | 1♌ 4 | 13°36 | 11°42 | 21°54 | 7°20 | 1°36 | 28°48 | 18° 3 | 20° 6 | 15° 5 | 15°57 | 0°28 | 0°31 | S 16 |
| S 17 | 17 59 24 | 29°42'38 | 15°55 | 15°29 | 12°55 | 22°30 | 7°31 | 1°34 | 28°45 | 18° 2 | 20° 7 | 15° 0 | 15°54 | 0°35 | 0°30 | S 17 |
| M18 | 18 3 21 | 0♋39'49 | 0♍28 | 17°25 | 14° 8 | 23° 5 | 7°43 | 1°33 | 28°43 | 18° 1 | 20° 7 | 14°58 | 15°51 | 0°41 | 0°29 | M18 |
| T 19 | 18 7 18 | 1°36'59 | 14°39 | 19°23 | 15°21 | 23°41 | 7°55 | 1°32 | 28°41 | 18° 0 | 20° 8 | 14°D57 | 15°48 | 0°48 | 0°28 | T 19 |
| W20 | 18 11 14 | 2°34'10 | 28°29 | 21°23 | 16°35 | 24°17 | 8° 6 | 1°31 | 28°38 | 17°59 | 20° 9 | 14°R57 | 15°45 | 0°55 | 0°27 | W20 |
| T 21 | 18 15 11 | 3°31'20 | 11♎57 | 23°25 | 17°48 | 24°53 | 8°18 | 1°30 | 28°36 | 17°58 | 20°10 | 14°57 | 15°42 | 1° 1 | 0°26 | T 21 |
| F 22 | 18 19 7 | 4°28'30 | 25° 6 | 25°29 | 19° 1 | 25°29 | 8°30 | 1°29 | 28°33 | 17°57 | 20°11 | 14°55 | 15°38 | 1° 8 | 0°24 | F 22 |
| S 23 | 18 23 4 | 5°25'41 | 7♏59 | 27°35 | 20°14 | 26° 5 | 8°42 | 1°28 | 28°31 | 17°56 | 20°12 | 14°52 | 15°35 | 1°15 | 0°23 | S 23 |
| S 24 | 18 27 0 | 6°22'51 | 20°39 | 29°42 | 21°28 | 26°41 | 8°54 | 1°27 | 28°29 | 17°55 | 20°12 | 14°45 | 15°32 | 1°21 | 0°22 | S 24 |
| M25 | 18 30 57 | 7°20'02 | 3♐ 6 | 1♋50 | 22°41 | 27°17 | 9° 6 | 1°27 | 28°26 | 17°54 | 20°13 | 14°36 | 15°29 | 1°28 | 0°20 | M25 |
| T 26 | 18 34 53 | 8°17'14 | 15°24 | 3°58 | 23°54 | 27°53 | 9°18 | 1°26 | 28°24 | 17°53 | 20°14 | 14°25 | 15°26 | 1°35 | 0°19 | T 26 |
| W27 | 18 38 50 | 9°14'25 | 27°33 | 6° 6 | 25° 8 | 28°30 | 9°30 | 1°26 | 28°21 | 17°52 | 20°15 | 14°14 | 15°23 | 1°41 | 0°17 | W27 |
| T 28 | 18 42 47 | 10°11'37 | 9♑35 | 8°15 | 26°21 | 29° 6 | 9°42 | 1°26 | 28°19 | 17°51 | 20°16 | 14° 2 | 15°19 | 1°48 | 0°16 | T 28 |
| F 29 | 18 46 43 | 11° 8'49 | 21°31 | 10°23 | 27°34 | 29°42 | 9°54 | 1°25 | 28°17 | 17°50 | 20°18 | 13°51 | 15°16 | 1°55 | 0°14 | F 29 |
| S 30 | 18 50 40 | 12♋ 6'02 | 3♒22 | 12♋31 | 28♊48 | 0♍19 | 10♌ 6 | 1♏25 | 28♐14 | 17♏50 | 20♍19 | 13♓43 | 15♓13 | 2♒ 1 | 0♓13 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n40 | 27s25 | 4s29 | 15n 9 | 3s19 | 17n41 | 1s 5 | 18n14 | 1n20 | 20n 2 | 0n50 | 9s53 | 2n33 | 23s51 | 0s16 | 15s39 | 1n49 | 19n17 | 16n44 | 5s21 | 5s16 | 24s16 | 5s52 | 5n49 |
| S 2 | 22 46 | 25 10 | 3 56 | 15 32 | 3 11 | 18 1 | 1 3 | 18 4 | 1 19 | 19 59 | 0 50 | 9 52 | 2 33 | 23 51 | 0 16 | 15 38 | 1 49 | 19 17 | 16 43 | 5 25 | 5 17 | 24 14 | 5 51 | 5 49 |
| S 3 | 22 52 | 21 50 | 3 13 | 15 57 | 3 3 | 18 21 | 1 1 | 17 53 | 1 18 | 19 57 | 0 50 | 9 51 | 2 33 | 23 51 | 0 16 | 15 38 | 1 49 | 19 16 | 16 42 | 5 27 | 5 18 | 24 12 | 5 51 | 5 50 |
| M 4 | 22 58 | 17 38 | 2 21 | 16 22 | 2 53 | 18 40 | 0 59 | 17 42 | 1 17 | 19 54 | 0 50 | 9 51 | 2 32 | 23 51 | 0 16 | 15 37 | 1 49 | 19 16 | 16 42 | 5 29 | 5 19 | 24 10 | 5 51 | 5 50 |
| T 5 | 23 3 | 12 44 | 1 23 | 16 49 | 2 44 | 18 58 | 0 57 | 17 31 | 1 17 | 19 51 | 0 50 | 9 50 | 2 32 | 23 51 | 0 16 | 15 37 | 1 49 | 19 15 | 16 41 | 5 30 | 5 20 | 24 8 | 5 51 | 5 50 |
| W 6 | 23 8 | 7 19 | 0 21 | 17 16 | 2 34 | 19 16 | 0 55 | 17 20 | 1 16 | 19 49 | 0 50 | 9 50 | 2 32 | 23 51 | 0 17 | 15 37 | 1 49 | 19 14 | 16 41 | 5 30 | 5 22 | 24 5 | 5 51 | 5 50 |
| T 7 | 23 12 | 1 33 | 0n44 | 17 44 | 2 23 | 19 34 | 0 52 | 17 9 | 1 15 | 19 46 | 0 50 | 9 49 | 2 32 | 23 51 | 0 17 | 15 36 | 1 49 | 19 14 | 16 40 | 5 30 | 5 23 | 24 3 | 5 51 | 5 51 |
| F 8 | 23 16 | 4n26 | 1 48 | 18 12 | 2 12 | 19 51 | 0 50 | 16 57 | 1 14 | 19 43 | 0 50 | 9 49 | 2 31 | 23 51 | 0 17 | 15 36 | 1 49 | 19 13 | 16 40 | 5 30 | 5 24 | 24 1 | 5 51 | 5 51 |
| S 9 | 23 20 | 10 24 | 2 48 | 18 41 | 2 1 | 20 8 | 0 48 | 16 46 | 1 14 | 19 41 | 0 50 | 9 48 | 2 31 | 23 51 | 0 17 | 15 36 | 1 49 | 19 13 | 16 39 | 5 31 | 5 25 | 23 59 | 5 50 | 5 51 |
| S 10 | 23 23 | 16 7 | 3 42 | 19 10 | 1 49 | 20 24 | 0 46 | 16 34 | 1 13 | 19 38 | 0 50 | 9 48 | 2 31 | 23 51 | 0 17 | 15 36 | 1 49 | 19 12 | 16 39 | 5 33 | 5 27 | 23 57 | 5 50 | 5 52 |
| M11 | 23 26 | 21 14 | 4 24 | 19 39 | 1 37 | 20 39 | 0 43 | 16 22 | 1 12 | 19 35 | 0 50 | 9 47 | 2 31 | 23 51 | 0 17 | 15 35 | 1 49 | 19 11 | 16 38 | 5 36 | 5 28 | 23 55 | 5 50 | 5 52 |
| T 12 | 23 29 | 25 17 | 4 52 | 20 8 | 1 25 | 20 54 | 0 41 | 16 11 | 1 12 | 19 32 | 0 50 | 9 47 | 2 30 | 23 51 | 0 17 | 15 35 | 1 49 | 19 11 | 16 38 | 5 39 | 5 29 | 23 53 | 5 50 | 5 52 |
| W13 | 23 31 | 27 49 | 5 1 | 20 36 | 1 13 | 21 8 | 0 38 | 15 59 | 1 11 | 19 29 | 0 50 | 9 46 | 2 30 | 23 51 | 0 17 | 15 35 | 1 49 | 19 10 | 16 37 | 5 43 | 5 30 | 23 51 | 5 50 | 5 52 |
| T 14 | 23 32 | 28 24 | 4 50 | 21 4 | 1 1 | 21 22 | 0 36 | 15 47 | 1 10 | 19 26 | 0 50 | 9 46 | 2 30 | 23 51 | 0 17 | 15 34 | 1 49 | 19 9 | 16 37 | 5 48 | 5 32 | 23 49 | 5 50 | 5 53 |
| F 15 | 23 33 | 26 53 | 4 19 | 21 31 | 0 49 | 21 35 | 0 34 | 15 34 | 1 9 | 19 24 | 0 50 | 9 46 | 2 30 | 23 51 | 0 17 | 15 34 | 1 49 | 19 9 | 16 36 | 5 51 | 5 33 | 23 47 | 5 50 | 5 53 |
| S 16 | 23 34 | 23 27 | 3 30 | 21 57 | 0 36 | 21 48 | 0 31 | 15 22 | 1 9 | 19 21 | 0 50 | 9 45 | 2 29 | 23 51 | 0 17 | 15 34 | 1 49 | 19 8 | 16 36 | 5 54 | 5 34 | 23 45 | 5 50 | 5 53 |
| S 17 | 23 34 | 18 30 | 2 27 | 22 22 | 0 24 | 22 0 | 0 29 | 15 10 | 1 8 | 19 18 | 0 50 | 9 45 | 2 29 | 23 51 | 0 17 | 15 34 | 1 49 | 19 7 | 16 35 | 5 56 | 5 35 | 23 43 | 5 51 | 5 54 |
| M18 | 23 34 | 12 33 | 1 16 | 22 46 | 0 13 | 22 11 | 0 26 | 14 57 | 1 7 | 19 15 | 0 50 | 9 45 | 2 29 | 23 51 | 0 17 | 15 33 | 1 49 | 19 6 | 16 35 | 5 57 | 5 37 | 23 41 | 5 51 | 5 54 |
| T 19 | 23 34 | 6 6 | 0 2 | 23 8 | 0 1 | 22 22 | 0 24 | 14 45 | 1 7 | 19 12 | 0 50 | 9 45 | 2 29 | 23 51 | 0 17 | 15 33 | 1 49 | 19 6 | 16 34 | 5 58 | 5 38 | 23 39 | 5 51 | 5 54 |
| W20 | 23 33 | 0s29 | 1s11 | 23 28 | 0n10 | 22 32 | 0 21 | 14 32 | 1 6 | 19 8 | 0 50 | 9 45 | 2 28 | 23 51 | 0 17 | 15 33 | 1 49 | 19 5 | 16 34 | 5 57 | 5 39 | 23 37 | 5 51 | 5 54 |
| T 21 | 23 32 | 6 52 | 2 18 | 23 46 | 0 21 | 22 42 | 0 19 | 14 20 | 1 5 | 19 5 | 0 50 | 9 45 | 2 28 | 23 51 | 0 17 | 15 33 | 1 49 | 19 4 | 16 33 | 5 58 | 5 40 | 23 34 | 5 51 | 5 55 |
| F 22 | 23 30 | 12 48 | 3 16 | 24 2 | 0 32 | 22 51 | 0 16 | 14 7 | 1 5 | 19 2 | 0 50 | 9 45 | 2 28 | 23 51 | 0 17 | 15 32 | 1 48 | 19 3 | 16 33 | 5 58 | 5 42 | 23 32 | 5 51 | 5 55 |
| S 23 | 23 28 | 18 4 | 4 3 | 24 15 | 0 42 | 22 59 | 0 14 | 13 54 | 1 4 | 18 59 | 0 50 | 9 45 | 2 28 | 23 51 | 0 17 | 15 32 | 1 48 | 19 2 | 16 32 | 6 0 | 5 43 | 23 30 | 5 51 | 5 55 |
| S 24 | 23 25 | 22 27 | 4 36 | 24 26 | 0 51 | 23 6 | 0 11 | 13 41 | 1 3 | 18 56 | 0 50 | 9 45 | 2 27 | 23 51 | 0 17 | 15 32 | 1 48 | 19 2 | 16 32 | 6 2 | 5 44 | 23 28 | 5 52 | 5 55 |
| M25 | 23 22 | 25 44 | 4 56 | 24 34 | 1 0 | 23 13 | 0 9 | 13 28 | 1 2 | 18 53 | 0 50 | 9 45 | 2 27 | 23 51 | 0 17 | 15 32 | 1 48 | 19 1 | 16 32 | 6 6 | 5 45 | 23 26 | 5 52 | 5 56 |
| T 26 | 23 19 | 27 47 | 5 2 | 24 39 | 1 8 | 23 19 | 0 6 | 13 14 | 1 2 | 18 50 | 0 50 | 9 45 | 2 27 | 23 50 | 0 17 | 15 31 | 1 48 | 19 0 | 16 31 | 6 10 | 5 46 | 23 24 | 5 52 | 5 56 |
| W27 | 23 15 | 28 27 | 4 54 | 24 41 | 1 15 | 23 25 | 0 4 | 13 1 | 1 1 | 18 46 | 0 50 | 9 45 | 2 27 | 23 50 | 0 17 | 15 31 | 1 48 | 18 59 | 16 31 | 6 14 | 5 48 | 23 22 | 5 52 | 5 56 |
| T 28 | 23 11 | 27 46 | 4 33 | 24 41 | 1 22 | 23 30 | 0 1 | 12 48 | 1 0 | 18 43 | 0 50 | 9 45 | 2 26 | 23 50 | 0 17 | 15 31 | 1 48 | 18 58 | 16 30 | 6 19 | 5 49 | 23 20 | 5 53 | 5 56 |
| F 29 | 23 6 | 25 48 | 4 0 | 24 38 | 1 28 | 23 34 | 0n 1 | 12 34 | 1 0 | 18 40 | 0 50 | 9 45 | 2 26 | 23 50 | 0 17 | 15 31 | 1 48 | 18 58 | 16 30 | 6 23 | 5 50 | 23 17 | 5 53 | 5 57 |
| S 30 | 23n 1 | 22s42 | 3s17 | 24n32 | 1n33 | 23n38 | 0n 3 | 12n21 | 0n59 | 18n37 | 0n50 | 9s45 | 2n26 | 23s50 | 0s17 | 15s31 | 1n48 | 18n57 | 16n29 | 6s26 | 5s51 | 23s15 | 5s53 | 5n57 |

Julian Day Number = 2080249.5, Delta T = 25m47s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'19, Lahiri = 9°41'19 Julian Calendar 1 June 983 == Greg. Calendar 6 June 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## JULY 983 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 54 36 | 13♋ 3'16 | 15♒11 | 14♋38 | 0♋ 1 | 0♍55 | 10♌19 | 1°D25 | 28°R12 | 17°R49 | 20♍20 | 13°R37 | 15♓10 | 2♒ 8 | 0°R11 | S 1 |
| M 2 | 18 58 33 | 14° 0'30 | 27° 0 | 16°44 | 1°15 | 1°32 | 10°31 | 1♏25 | 28♐10 | 17♏48 | 20°21 | 13♓33 | 15° 7 | 2°15 | 0♓ 9 | M 2 |
| T 3 | 19 2 29 | 14°57'45 | 8♓52 | 18°49 | 2°28 | 2° 9 | 10°43 | 1°25 | 28° 7 | 17°47 | 20°22 | 13°D31 | 15° 3 | 2°22 | 0° 8 | T 3 |
| W 4 | 19 6 26 | 15°55'01 | 20°52 | 20°52 | 3°42 | 2°45 | 10°56 | 1°26 | 28° 5 | 17°47 | 20°23 | 13°32 | 15° 0 | 2°28 | 0° 6 | W 4 |
| T 5 | 19 10 23 | 16°52'18 | 3♈ 4 | 22°55 | 4°55 | 3°22 | 11° 8 | 1°26 | 28° 3 | 17°46 | 20°25 | 13°32 | 14°57 | 2°35 | 0° 4 | T 5 |
| F 6 | 19 14 19 | 17°49'36 | 15°33 | 24°56 | 6° 9 | 3°59 | 11°20 | 1°27 | 28° 1 | 17°45 | 20°26 | 13°R33 | 14°54 | 2°42 | 0° 2 | F 6 |
| S 7 | 19 18 16 | 18°46'55 | 28°24 | 26°55 | 7°22 | 4°36 | 11°33 | 1°27 | 27°58 | 17°45 | 20°27 | 13°33 | 14°51 | 2°48 | 0° 0 | S 7 |
| S 8 | 19 22 12 | 19°44'15 | 11♉41 | 28°53 | 8°36 | 5°13 | 11°45 | 1°28 | 27°56 | 17°44 | 20°28 | 13°30 | 14°48 | 2°55 | 29♒58 | S 8 |
| M 9 | 19 26 9 | 20°41'36 | 25°27 | 0♌50 | 9°50 | 5°50 | 11°58 | 1°29 | 27°54 | 17°44 | 20°30 | 13°26 | 14°44 | 3° 2 | 29°56 | M 9 |
| T 10 | 19 30 5 | 21°38'58 | 9♊41 | 2°45 | 11° 3 | 6°27 | 12°11 | 1°29 | 27°52 | 17°43 | 20°31 | 13°20 | 14°41 | 3° 8 | 29°54 | T 10 |
| W11 | 19 34 2 | 22°36'22 | 24°22 | 4°38 | 12°17 | 7° 4 | 12°23 | 1°30 | 27°50 | 17°43 | 20°33 | 13°13 | 14°38 | 3°15 | 29°52 | W11 |
| T 12 | 19 37 58 | 23°33'46 | 9♋24 | 6°30 | 13°31 | 7°42 | 12°36 | 1°31 | 27°48 | 17°42 | 20°34 | 13° 6 | 14°35 | 3°22 | 29°50 | T 12 |
| F 13 | 19 41 55 | 24°31'12 | 24°37 | 8°20 | 14°45 | 8°19 | 12°49 | 1°33 | 27°46 | 17°42 | 20°36 | 12°59 | 14°32 | 3°28 | 29°48 | F 13 |
| S 14 | 19 45 52 | 25°28'38 | 9♌51 | 10° 8 | 15°59 | 8°56 | 13° 1 | 1°34 | 27°44 | 17°41 | 20°37 | 12°53 | 14°29 | 3°35 | 29°46 | S 14 |
| S 15 | 19 49 48 | 26°26'06 | 24°56 | 11°55 | 17°12 | 9°34 | 13°14 | 1°35 | 27°42 | 17°41 | 20°39 | 12°50 | 14°25 | 3°42 | 29°43 | S 15 |
| M16 | 19 53 45 | 27°23'34 | 9♍43 | 13°40 | 18°26 | 10°11 | 13°27 | 1°37 | 27°40 | 17°41 | 20°40 | 12°D49 | 14°22 | 3°48 | 29°41 | M16 |
| T 17 | 19 57 41 | 28°21'03 | 24° 7 | 15°23 | 19°40 | 10°49 | 13°40 | 1°38 | 27°38 | 17°41 | 20°42 | 12°49 | 14°19 | 3°55 | 29°39 | T 17 |
| W18 | 20 1 38 | 29°18'32 | 8♎ 6 | 17° 5 | 20°54 | 11°26 | 13°53 | 1°40 | 27°36 | 17°40 | 20°43 | 12°51 | 14°16 | 4° 2 | 29°36 | W18 |
| T 19 | 20 5 34 | 0♌16'03 | 21°39 | 18°46 | 22° 8 | 12° 4 | 14° 5 | 1°41 | 27°34 | 17°40 | 20°45 | 12°52 | 14°13 | 4° 8 | 29°34 | T 19 |
| F 20 | 20 9 31 | 1°13'34 | 4♏49 | 20°24 | 23°22 | 12°42 | 14°18 | 1°43 | 27°32 | 17°40 | 20°46 | 12°R52 | 14° 9 | 4°15 | 29°32 | F 20 |
| S 21 | 20 13 27 | 2°11'07 | 17°38 | 22° 2 | 24°36 | 13°20 | 14°31 | 1°45 | 27°30 | 17°40 | 20°48 | 12°51 | 14° 6 | 4°22 | 29°29 | S 21 |
| S 22 | 20 17 24 | 3° 8'40 | 0♐11 | 23°37 | 25°50 | 13°58 | 14°44 | 1°47 | 27°28 | 17°40 | 20°50 | 12°48 | 14° 3 | 4°28 | 29°27 | S 22 |
| M23 | 20 21 21 | 4° 6'14 | 12°29 | 25°11 | 27° 4 | 14°35 | 14°57 | 1°49 | 27°26 | 17°39 | 20°51 | 12°43 | 14° 0 | 4°35 | 29°24 | M23 |
| T 24 | 20 25 17 | 5° 3'50 | 24°37 | 26°44 | 28°18 | 15°13 | 15°10 | 1°51 | 27°25 | 17°39 | 20°53 | 12°37 | 13°57 | 4°42 | 29°22 | T 24 |
| W25 | 20 29 14 | 6° 1'26 | 6♑37 | 28°15 | 29°32 | 15°51 | 15°23 | 1°54 | 27°23 | 17°D39 | 20°55 | 12°31 | 13°54 | 4°48 | 29°19 | W25 |
| T 26 | 20 33 10 | 6°59'04 | 18°31 | 29°44 | 0♌46 | 16°30 | 15°36 | 1°56 | 27°21 | 17°39 | 20°57 | 12°24 | 13°50 | 4°55 | 29°17 | T 26 |
| F 27 | 20 37 7 | 7°56'43 | 0♒23 | 1♍12 | 2° 0 | 17° 8 | 15°49 | 1°58 | 27°19 | 17°39 | 20°59 | 12°18 | 13°47 | 5° 2 | 29°14 | F 27 |
| S 28 | 20 41 3 | 8°54'23 | 12°12 | 2°38 | 3°14 | 17°46 | 16° 2 | 2° 1 | 27°18 | 17°39 | 21° 0 | 12°14 | 13°44 | 5° 8 | 29°11 | S 28 |
| S 29 | 20 45 0 | 9°52'05 | 24° 2 | 4° 3 | 4°28 | 18°24 | 16°15 | 2° 4 | 27°16 | 17°40 | 21° 2 | 12°11 | 13°41 | 5°15 | 29° 9 | S 29 |
| M30 | 20 48 56 | 10°49'48 | 5♓55 | 5°26 | 5°43 | 19° 2 | 16°28 | 2° 6 | 27°15 | 17°40 | 21° 4 | 12° 9 | 13°38 | 5°22 | 29° 6 | M30 |
| T 31 | 20 52 53 | 11♌47'32 | 17♓53 | 6♍47 | 6♌57 | 19♍41 | 16♌41 | 2♏ 9 | 27♐13 | 17♏40 | 21♍ 6 | 12°D 9 | 13♓34 | 5♒29 | 29♒ 3 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n56 | 18s41 | 2s25 | 24n23 | 1n38 | 23n40 | 0n 6 | 12n 7 | 0n58 | 18n33 | 0n50 | 9s46 | 2n26 | 23s50 | 0s17 | 15s31 | 1n48 | 18n56 | 16n29 | 6s29 | 5s53 | 23s13 | 5s54 | 5n57 |
| M 2 | 22 50 | 13 57 | 1 27 | 24 12 | 1 41 | 23 42 | 0 8 | 11 53 | 0 58 | 18 30 | 0 50 | 9 46 | 2 25 | 23 50 | 0 17 | 15 30 | 1 48 | 18 55 | 16 28 | 6 30 | 5 54 | 23 11 | 5 54 | 5 57 |
| T 3 | 22 44 | 8 40 | 0 25 | 23 58 | 1 44 | 23 44 | 0 11 | 11 39 | 0 57 | 18 26 | 0 50 | 9 46 | 2 25 | 23 50 | 0 17 | 15 30 | 1 48 | 18 54 | 16 28 | 6 31 | 5 55 | 23 9 | 5 55 | 5 58 |
| W 4 | 22 37 | 3 2 | 0n39 | 23 42 | 1 46 | 23 45 | 0 13 | 11 25 | 0 56 | 18 23 | 0 50 | 9 46 | 2 25 | 23 50 | 0 17 | 15 30 | 1 48 | 18 53 | 16 27 | 6 31 | 5 56 | 23 7 | 5 55 | 5 58 |
| T 5 | 22 30 | 2n48 | 1 43 | 23 23 | 1 48 | 23 44 | 0 16 | 11 11 | 0 56 | 18 20 | 0 50 | 9 47 | 2 24 | 23 50 | 0 17 | 15 30 | 1 48 | 18 52 | 16 27 | 6 30 | 5 58 | 23 4 | 5 55 | 5 58 |
| F 6 | 22 23 | 8 40 | 2 43 | 23 3 | 1 49 | 23 44 | 0 18 | 10 57 | 0 55 | 18 16 | 0 50 | 9 47 | 2 24 | 23 50 | 0 17 | 15 30 | 1 48 | 18 51 | 16 27 | 6 30 | 5 59 | 23 2 | 5 56 | 5 58 |
| S 7 | 22 15 | 14 21 | 3 37 | 22 40 | 1 49 | 23 42 | 0 20 | 10 43 | 0 54 | 18 13 | 0 50 | 9 48 | 2 24 | 23 50 | 0 17 | 15 30 | 1 48 | 18 50 | 16 26 | 6 30 | 6 0 | 23 0 | 5 56 | 5 58 |
| S 8 | 22 7 | 19 34 | 4 21 | 22 16 | 1 48 | 23 40 | 0 23 | 10 29 | 0 54 | 18 9 | 0 50 | 9 48 | 2 24 | 23 50 | 0 17 | 15 30 | 1 48 | 18 50 | 16 26 | 6 31 | 6 1 | 22 58 | 5 57 | 5 59 |
| M 9 | 21 58 | 23 57 | 4 52 | 21 49 | 1 47 | 23 37 | 0 25 | 10 14 | 0 53 | 18 6 | 0 50 | 9 49 | 2 23 | 23 50 | 0 17 | 15 30 | 1 48 | 18 49 | 16 25 | 6 33 | 6 3 | 22 55 | 5 57 | 5 59 |
| T 10 | 21 49 | 27 4 | 5 6 | 21 22 | 1 45 | 23 34 | 0 27 | 10 0 | 0 52 | 18 2 | 0 50 | 9 49 | 2 23 | 23 50 | 0 17 | 15 29 | 1 47 | 18 48 | 16 25 | 6 35 | 6 4 | 22 53 | 5 58 | 5 59 |
| W11 | 21 40 | 28 28 | 5 1 | 20 53 | 1 43 | 23 30 | 0 30 | 9 46 | 0 52 | 17 59 | 0 50 | 9 50 | 2 23 | 23 50 | 0 17 | 15 29 | 1 47 | 18 47 | 16 24 | 6 38 | 6 5 | 22 51 | 5 58 | 5 59 |
| T 12 | 21 30 | 27 49 | 4 36 | 20 22 | 1 40 | 23 25 | 0 32 | 9 31 | 0 51 | 17 55 | 0 50 | 9 50 | 2 23 | 23 50 | 0 17 | 15 29 | 1 47 | 18 46 | 16 24 | 6 41 | 6 6 | 22 49 | 5 59 | 5 59 |
| F 13 | 21 20 | 25 6 | 3 50 | 19 50 | 1 37 | 23 19 | 0 34 | 9 16 | 0 50 | 17 52 | 0 50 | 9 51 | 2 22 | 23 50 | 0 17 | 15 29 | 1 47 | 18 45 | 16 24 | 6 43 | 6 7 | 22 47 | 6 0 | 6 0 |
| S 14 | 21 10 | 20 35 | 2 48 | 19 18 | 1 33 | 23 13 | 0 36 | 9 2 | 0 49 | 17 48 | 0 50 | 9 52 | 2 22 | 23 50 | 0 17 | 15 29 | 1 47 | 18 44 | 16 23 | 6 45 | 6 9 | 22 44 | 6 0 | 6 0 |
| S 15 | 20 59 | 14 47 | 1 35 | 18 44 | 1 29 | 23 6 | 0 38 | 8 47 | 0 49 | 17 44 | 0 50 | 9 52 | 2 22 | 23 50 | 0 17 | 15 29 | 1 47 | 18 43 | 16 23 | 6 47 | 6 10 | 22 42 | 6 1 | 6 0 |
| M16 | 20 48 | 8 14 | 0 17 | 18 9 | 1 24 | 22 58 | 0 40 | 8 32 | 0 48 | 17 41 | 0 50 | 9 53 | 2 22 | 23 50 | 0 17 | 15 29 | 1 47 | 18 42 | 16 22 | 6 47 | 6 11 | 22 40 | 6 1 | 6 0 |
| T 17 | 20 36 | 1 25 | 1s 1 | 17 34 | 1 19 | 22 49 | 0 43 | 8 17 | 0 47 | 17 37 | 0 50 | 9 54 | 2 21 | 23 50 | 0 17 | 15 29 | 1 47 | 18 41 | 16 22 | 6 47 | 6 12 | 22 38 | 6 2 | 6 0 |
| W18 | 20 25 | 5s16 | 2 13 | 16 58 | 1 13 | 22 40 | 0 45 | 8 2 | 0 47 | 17 33 | 0 50 | 9 55 | 2 21 | 23 50 | 0 17 | 15 29 | 1 47 | 18 40 | 16 22 | 6 47 | 6 14 | 22 35 | 6 3 | 6 0 |
| T 19 | 20 12 | 11 30 | 3 15 | 16 21 | 1 7 | 22 31 | 0 47 | 7 47 | 0 46 | 17 30 | 0 50 | 9 56 | 2 21 | 23 50 | 0 17 | 15 29 | 1 47 | 18 39 | 16 21 | 6 46 | 6 15 | 22 33 | 6 3 | 6 0 |
| F 20 | 20 0 | 17 2 | 4 5 | 15 44 | 1 1 | 22 20 | 0 49 | 7 32 | 0 45 | 17 26 | 0 50 | 9 56 | 2 20 | 23 50 | 0 17 | 15 29 | 1 47 | 18 38 | 16 21 | 6 46 | 6 16 | 22 31 | 6 4 | 6 1 |
| S 21 | 19 47 | 21 40 | 4 41 | 15 6 | 0 54 | 22 9 | 0 51 | 7 17 | 0 45 | 17 22 | 0 50 | 9 57 | 2 20 | 23 50 | 0 17 | 15 29 | 1 47 | 18 37 | 16 21 | 6 46 | 6 17 | 22 28 | 6 5 | 6 1 |
| S 22 | 19 34 | 25 14 | 5 3 | 14 28 | 0 47 | 21 57 | 0 52 | 7 1 | 0 44 | 17 18 | 0 50 | 9 58 | 2 20 | 23 50 | 0 17 | 15 29 | 1 47 | 18 36 | 16 20 | 6 48 | 6 19 | 22 26 | 6 6 | 6 1 |
| M23 | 19 20 | 27 33 | 5 10 | 13 50 | 0 40 | 21 45 | 0 54 | 6 46 | 0 43 | 17 15 | 0 50 | 9 59 | 2 20 | 23 50 | 0 17 | 15 29 | 1 47 | 18 35 | 16 20 | 6 49 | 6 20 | 22 24 | 6 6 | 6 1 |
| T 24 | 19 6 | 28 31 | 5 3 | 13 11 | 0 33 | 21 32 | 0 56 | 6 31 | 0 43 | 17 11 | 0 50 | 10 0 | 2 19 | 23 50 | 0 17 | 15 29 | 1 47 | 18 34 | 16 19 | 6 52 | 6 21 | 22 22 | 6 7 | 6 1 |
| W25 | 18 52 | 28 7 | 4 43 | 12 32 | 0 25 | 21 18 | 0 58 | 6 15 | 0 42 | 17 7 | 0 50 | 10 1 | 2 19 | 23 50 | 0 17 | 15 29 | 1 47 | 18 33 | 16 19 | 6 54 | 6 22 | 22 19 | 6 8 | 6 1 |
| T 26 | 18 38 | 26 26 | 4 11 | 11 54 | 0 17 | 21 4 | 0 59 | 6 0 | 0 41 | 17 3 | 0 50 | 10 2 | 2 19 | 23 50 | 0 17 | 15 29 | 1 47 | 18 32 | 16 19 | 6 57 | 6 23 | 22 17 | 6 9 | 6 1 |
| F 27 | 18 23 | 23 34 | 3 28 | 11 15 | 0 9 | 20 49 | 1 1 | 5 44 | 0 41 | 16 59 | 0 50 | 10 3 | 2 19 | 23 50 | 0 17 | 15 29 | 1 46 | 18 31 | 16 18 | 6 59 | 6 25 | 22 15 | 6 9 | 6 1 |
| S 28 | 18 8 | 19 44 | 2 36 | 10 36 | 0 0 | 20 34 | 1 3 | 5 29 | 0 40 | 16 55 | 0 51 | 10 5 | 2 18 | 23 49 | 0 17 | 15 29 | 1 46 | 18 30 | 16 18 | 7 1 | 6 26 | 22 12 | 6 10 | 6 1 |
| S 29 | 17 53 | 15 7 | 1 38 | 9 57 | 0s 8 | 20 17 | 1 4 | 5 13 | 0 39 | 16 52 | 0 51 | 10 6 | 2 18 | 23 49 | 0 17 | 15 30 | 1 46 | 18 29 | 16 18 | 7 2 | 6 27 | 22 10 | 6 11 | 6 2 |
| M30 | 17 37 | 9 55 | 0 34 | 9 19 | 0 17 | 20 1 | 1 6 | 4 57 | 0 39 | 16 48 | 0 51 | 10 7 | 2 18 | 23 49 | 0 17 | 15 30 | 1 46 | 18 28 | 16 18 | 7 2 | 6 28 | 22 8 | 6 12 | 6 2 |
| T 31 | 17n21 | 4s20 | 0n31 | 8n40 | 0s26 | 19n43 | 1n 7 | 4n42 | 0n38 | 16n44 | 0n51 | 10s 8 | 2n18 | 23s49 | 0s17 | 15s30 | 1n46 | 18n27 | 16n17 | 7s 2 | 6s30 | 22s 5 | 6s13 | 6n 2 |

Julian Day Number = 2080279.5, Delta T = 25m46s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'23, Lahiri = 9°41'23 Julian Calendar 1 July 983 == Greg. Calendar 6 July 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## AUGUST 983 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 56 50 | 12♌45'19 | 29♓58 | 8♍ 6 | 8♌11 | 20♍19 | 16♌54 | 2♏12 | 27°R12 | 17♏40 | 21♍ 8 | 12♓10 | 13♓31 | 5♒35 | 29°R 1 | W 1 |
| T 2 | 21 0 46 | 13°43'06 | 12♈15 | 9°24 | 9°25 | 20°58 | 17° 7 | 2°15 | 27♐10 | 17°40 | 21°10 | 12°12 | 13°28 | 5°42 | 28♒58 | T 2 |
| F 3 | 21 4 43 | 14°40'56 | 24°47 | 10°40 | 10°40 | 21°36 | 17°20 | 2°18 | 27° 9 | 17°41 | 21°12 | 12°13 | 13°25 | 5°49 | 28°55 | F 3 |
| S 4 | 21 8 39 | 15°38'47 | 7♉38 | 11°54 | 11°54 | 22°15 | 17°33 | 2°21 | 27° 8 | 17°41 | 21°14 | 12°14 | 13°22 | 5°55 | 28°52 | S 4 |
| S 5 | 21 12 36 | 16°36'41 | 20°52 | 13° 6 | 13° 8 | 22°54 | 17°46 | 2°24 | 27° 6 | 17°41 | 21°16 | 12°R15 | 13°19 | 6° 2 | 28°50 | S 5 |
| M 6 | 21 16 32 | 17°34'36 | 4♊30 | 14°17 | 14°22 | 23°32 | 17°59 | 2°28 | 27° 5 | 17°41 | 21°18 | 12°14 | 13°15 | 6° 9 | 28°47 | M 6 |
| T 7 | 21 20 29 | 18°32'33 | 18°34 | 15°25 | 15°37 | 24°11 | 18°12 | 2°31 | 27° 4 | 17°42 | 21°20 | 12°12 | 13°12 | 6°15 | 28°44 | T 7 |
| W 8 | 21 24 25 | 19°30'32 | 3♋ 3 | 16°30 | 16°51 | 24°50 | 18°26 | 2°35 | 27° 3 | 17°42 | 21°22 | 12° 9 | 13° 9 | 6°22 | 28°41 | W 8 |
| T 9 | 21 28 22 | 20°28'33 | 17°54 | 17°34 | 18° 6 | 25°29 | 18°39 | 2°38 | 27° 2 | 17°43 | 21°24 | 12° 6 | 13° 6 | 6°29 | 28°39 | T 9 |
| F 10 | 21 32 19 | 21°26'36 | 2♌59 | 18°35 | 19°20 | 26° 8 | 18°52 | 2°42 | 27° 0 | 17°43 | 21°26 | 12° 4 | 13° 3 | 6°35 | 28°36 | F 10 |
| S 11 | 21 36 15 | 22°24'40 | 18° 9 | 19°34 | 20°35 | 26°47 | 19° 5 | 2°46 | 26°59 | 17°44 | 21°28 | 12° 2 | 13° 0 | 6°42 | 28°33 | S 11 |
| S 12 | 21 40 12 | 23°22'46 | 3♍16 | 20°29 | 21°49 | 27°26 | 19°18 | 2°49 | 26°58 | 17°44 | 21°30 | 12° 1 | 12°56 | 6°49 | 28°30 | S 12 |
| M13 | 21 44 8 | 24°20'54 | 18°10 | 21°22 | 23° 4 | 28° 6 | 19°31 | 2°53 | 26°57 | 17°45 | 21°32 | 12°D 0 | 12°53 | 6°55 | 28°27 | M13 |
| T 14 | 21 48 5 | 25°19'03 | 2♎43 | 22°12 | 24°18 | 28°45 | 19°44 | 2°57 | 26°57 | 17°45 | 21°34 | 12° 1 | 12°50 | 7° 2 | 28°24 | T 14 |
| W15 | 21 52 1 | 26°17'14 | 16°52 | 22°59 | 25°33 | 29°24 | 19°57 | 3° 1 | 26°56 | 17°46 | 21°36 | 12° 2 | 12°47 | 7° 9 | 28°21 | W15 |
| T 16 | 21 55 58 | 27°15'27 | 0♏34 | 23°42 | 26°47 | 0♎ 3 | 20°10 | 3° 5 | 26°55 | 17°47 | 21°38 | 12° 3 | 12°44 | 7°15 | 28°19 | T 16 |
| F 17 | 21 59 54 | 28°13'41 | 13°50 | 24°21 | 28° 2 | 0°43 | 20°23 | 3°10 | 26°54 | 17°48 | 21°40 | 12° 4 | 12°40 | 7°22 | 28°16 | F 17 |
| S 18 | 22 3 51 | 29°11'56 | 26°42 | 24°57 | 29°16 | 1°22 | 20°36 | 3°14 | 26°53 | 17°48 | 21°43 | 12°R 5 | 12°37 | 7°29 | 28°13 | S 18 |
| S 19 | 22 7 48 | 0♍10'14 | 9♐14 | 25°28 | 0♍31 | 2° 2 | 20°49 | 3°18 | 26°53 | 17°49 | 21°45 | 12° 5 | 12°34 | 7°35 | 28°10 | S 19 |
| M20 | 22 11 44 | 1° 8'32 | 21°29 | 25°54 | 1°46 | 2°42 | 21° 2 | 3°23 | 26°52 | 17°50 | 21°47 | 12° 4 | 12°31 | 7°42 | 28° 7 | M20 |
| T 21 | 22 15 41 | 2° 6'53 | 3♑33 | 26°16 | 3° 0 | 3°21 | 21°15 | 3°27 | 26°51 | 17°51 | 21°49 | 12° 3 | 12°28 | 7°49 | 28° 4 | T 21 |
| W22 | 22 19 37 | 3° 5'15 | 15°28 | 26°32 | 4°15 | 4° 1 | 21°28 | 3°32 | 26°51 | 17°52 | 21°51 | 12° 2 | 12°25 | 7°55 | 28° 2 | W22 |
| T 23 | 22 23 34 | 4° 3'39 | 27°19 | 26°43 | 5°29 | 4°41 | 21°41 | 3°36 | 26°50 | 17°52 | 21°54 | 12° 0 | 12°21 | 8° 2 | 27°59 | T 23 |
| F 24 | 22 27 30 | 5° 2'04 | 9♒ 8 | 26°R48 | 6°44 | 5°21 | 21°54 | 3°41 | 26°50 | 17°53 | 21°56 | 11°59 | 12°18 | 8° 9 | 27°56 | F 24 |
| S 25 | 22 31 27 | 6° 0'31 | 20°59 | 26°47 | 7°59 | 6° 0 | 22° 6 | 3°46 | 26°50 | 17°54 | 21°58 | 11°59 | 12°15 | 8°15 | 27°53 | S 25 |
| S 26 | 22 35 23 | 6°59'00 | 2♓54 | 26°40 | 9°13 | 6°40 | 22°19 | 3°51 | 26°49 | 17°55 | 22° 0 | 11°58 | 12°12 | 8°22 | 27°50 | S 26 |
| M27 | 22 39 20 | 7°57'31 | 14°54 | 26°26 | 10°28 | 7°20 | 22°32 | 3°56 | 26°49 | 17°56 | 22° 3 | 11°D58 | 12° 9 | 8°29 | 27°47 | M27 |
| T 28 | 22 43 17 | 8°56'04 | 27° 3 | 26° 4 | 11°43 | 8° 0 | 22°45 | 4° 1 | 26°49 | 17°57 | 22° 5 | 11°58 | 12° 6 | 8°35 | 27°45 | T 28 |
| W29 | 22 47 13 | 9°54'39 | 9♈21 | 25°36 | 12°58 | 8°41 | 22°58 | 4° 6 | 26°49 | 17°58 | 22° 7 | 11°59 | 12° 2 | 8°42 | 27°42 | W29 |
| T 30 | 22 51 10 | 10°53'16 | 21°50 | 25° 1 | 14°12 | 9°21 | 23°10 | 4°11 | 26°49 | 18° 0 | 22° 9 | 11°59 | 11°59 | 8°49 | 27°39 | T 30 |
| F 31 | 22 55 6 | 11♍51'56 | 4♉34 | 24♍19 | 15♍27 | 10♎ 1 | 23♌23 | 4♏16 | 26♐48 | 18♏ 1 | 22♍12 | 11°R59 | 11♓56 | 8♒55 | 27♒36 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 17n 5 | 1n28 | 1n36 | 8n 2 | 0s35 | 19n26 | 1n 9 | 4n26 | 0n37 | 16n40 | 0n51 | 10s 9 | 2n17 | 23s49 | 0s17 | 15s30 | 1n46 | 18n26 | 16n17 | 7s 2 | 6s31 | 22s 3 | 6s14 | 6n 2 |
| T 2 | 16 48 | 7 17 | 2 38 | 7 24 | 0 44 | 19 7 | 1 10 | 4 10 | 0 37 | 16 36 | 0 51 | 10 11 | 2 17 | 23 49 | 0 17 | 15 30 | 1 46 | 18 25 | 16 17 | 7 1 | 6 32 | 22 1 | 6 15 | 6 2 |
| F 3 | 16 31 | 12 57 | 3 33 | 6 47 | 0 54 | 18 48 | 1 11 | 3 54 | 0 36 | 16 32 | 0 51 | 10 12 | 2 17 | 23 49 | 0 17 | 15 30 | 1 46 | 18 24 | 16 16 | 7 1 | 6 33 | 21 58 | 6 15 | 6 2 |
| S 4 | 16 14 | 18 13 | 4 19 | 6 10 | 1 3 | 18 29 | 1 13 | 3 38 | 0 35 | 16 28 | 0 51 | 10 13 | 2 17 | 23 49 | 0 17 | 15 30 | 1 46 | 18 23 | 16 16 | 7 0 | 6 34 | 21 56 | 6 16 | 6 2 |
| S 5 | 15 57 | 22 46 | 4 53 | 5 34 | 1 12 | 18 9 | 1 14 | 3 22 | 0 35 | 16 24 | 0 51 | 10 15 | 2 16 | 23 49 | 0 17 | 15 30 | 1 46 | 18 22 | 16 16 | 7 0 | 6 36 | 21 53 | 6 17 | 6 2 |
| M 6 | 15 39 | 26 16 | 5 12 | 4 58 | 1 22 | 17 48 | 1 15 | 3 6 | 0 34 | 16 20 | 0 51 | 10 16 | 2 16 | 23 49 | 0 17 | 15 31 | 1 46 | 18 21 | 16 16 | 7 1 | 6 37 | 21 51 | 6 18 | 6 2 |
| T 7 | 15 21 | 28 16 | 5 13 | 4 22 | 1 32 | 17 27 | 1 16 | 2 50 | 0 33 | 16 16 | 0 51 | 10 17 | 2 16 | 23 49 | 0 17 | 15 31 | 1 46 | 18 20 | 16 15 | 7 1 | 6 38 | 21 49 | 6 19 | 6 2 |
| W 8 | 15 3 | 28 26 | 4 54 | 3 48 | 1 41 | 17 6 | 1 17 | 2 34 | 0 33 | 16 12 | 0 51 | 10 19 | 2 16 | 23 49 | 0 17 | 15 31 | 1 46 | 18 19 | 16 15 | 7 2 | 6 39 | 21 46 | 6 20 | 6 2 |
| T 9 | 14 45 | 26 35 | 4 16 | 3 14 | 1 51 | 16 44 | 1 18 | 2 18 | 0 32 | 16 8 | 0 51 | 10 20 | 2 15 | 23 49 | 0 17 | 15 31 | 1 46 | 18 18 | 16 15 | 7 4 | 6 41 | 21 44 | 6 21 | 6 2 |
| F 10 | 14 26 | 22 50 | 3 19 | 2 42 | 2 1 | 16 21 | 1 19 | 2 2 | 0 32 | 16 4 | 0 51 | 10 22 | 2 15 | 23 49 | 0 17 | 15 31 | 1 46 | 18 17 | 16 15 | 7 5 | 6 42 | 21 42 | 6 22 | 6 2 |
| S 11 | 14 7 | 17 30 | 2 8 | 2 10 | 2 10 | 15 58 | 1 20 | 1 45 | 0 31 | 16 0 | 0 51 | 10 23 | 2 15 | 23 49 | 0 17 | 15 32 | 1 46 | 18 16 | 16 14 | 7 5 | 6 43 | 21 39 | 6 23 | 6 2 |
| S 12 | 13 48 | 11 7 | 0 48 | 1 39 | 2 20 | 15 35 | 1 20 | 1 29 | 0 30 | 15 56 | 0 51 | 10 25 | 2 15 | 23 49 | 0 17 | 15 32 | 1 45 | 18 15 | 16 14 | 7 6 | 6 44 | 21 37 | 6 24 | 6 2 |
| M13 | 13 29 | 4 11 | 0s34 | 1 9 | 2 29 | 15 11 | 1 21 | 1 13 | 0 30 | 15 52 | 0 52 | 10 26 | 2 14 | 23 49 | 0 17 | 15 32 | 1 45 | 18 14 | 16 14 | 7 6 | 6 46 | 21 34 | 6 25 | 6 2 |
| T 14 | 13 9 | 2s48 | 1 52 | 0 41 | 2 38 | 14 47 | 1 22 | 0 57 | 0 29 | 15 48 | 0 52 | 10 28 | 2 14 | 23 49 | 0 17 | 15 32 | 1 45 | 18 13 | 16 14 | 7 6 | 6 47 | 21 32 | 6 26 | 6 2 |
| W15 | 12 49 | 9 27 | 3 1 | 0 14 | 2 48 | 14 22 | 1 22 | 0 40 | 0 28 | 15 44 | 0 52 | 10 29 | 2 14 | 23 49 | 0 17 | 15 32 | 1 45 | 18 11 | 16 14 | 7 5 | 6 48 | 21 30 | 6 27 | 6 2 |
| T 16 | 12 30 | 15 26 | 3 57 | 0s11 | 2 56 | 13 57 | 1 23 | 0 24 | 0 28 | 15 40 | 0 52 | 10 31 | 2 14 | 23 49 | 0 17 | 15 33 | 1 45 | 18 10 | 16 13 | 7 5 | 6 49 | 21 27 | 6 28 | 6 2 |
| F 17 | 12 9 | 20 31 | 4 39 | 0 35 | 3 5 | 13 32 | 1 23 | 0 8 | 0 27 | 15 36 | 0 52 | 10 33 | 2 14 | 23 49 | 0 17 | 15 33 | 1 45 | 18 9 | 16 13 | 7 4 | 6 50 | 21 25 | 6 29 | 6 2 |
| S 18 | 11 49 | 24 28 | 5 5 | 0 56 | 3 14 | 13 6 | 1 24 | 0s 9 | 0 26 | 15 32 | 0 52 | 10 34 | 2 13 | 23 49 | 0 17 | 15 33 | 1 45 | 18 8 | 16 13 | 7 4 | 6 52 | 21 22 | 6 30 | 6 2 |
| S 19 | 11 28 | 27 10 | 5 16 | 1 16 | 3 22 | 12 40 | 1 24 | 0 25 | 0 26 | 15 27 | 0 52 | 10 36 | 2 13 | 23 49 | 0 17 | 15 33 | 1 45 | 18 7 | 16 13 | 7 4 | 6 53 | 21 20 | 6 31 | 6 2 |
| M20 | 11 8 | 28 30 | 5 12 | 1 34 | 3 29 | 12 13 | 1 24 | 0 42 | 0 25 | 15 23 | 0 52 | 10 38 | 2 13 | 23 49 | 0 17 | 15 34 | 1 45 | 18 6 | 16 13 | 7 4 | 6 54 | 21 17 | 6 32 | 6 2 |
| T 21 | 10 47 | 28 26 | 4 55 | 1 49 | 3 36 | 11 46 | 1 24 | 0 58 | 0 24 | 15 19 | 0 52 | 10 39 | 2 13 | 23 49 | 0 17 | 15 34 | 1 45 | 18 5 | 16 13 | 7 5 | 6 55 | 21 15 | 6 33 | 6 2 |
| W22 | 10 26 | 27 3 | 4 25 | 2 1 | 3 43 | 11 19 | 1 25 | 1 15 | 0 24 | 15 15 | 0 52 | 10 41 | 2 12 | 23 49 | 0 17 | 15 34 | 1 45 | 18 4 | 16 12 | 7 5 | 6 56 | 21 12 | 6 34 | 6 2 |
| T 23 | 10 4 | 24 28 | 3 43 | 2 11 | 3 49 | 10 52 | 1 25 | 1 31 | 0 23 | 15 11 | 0 52 | 10 43 | 2 12 | 23 49 | 0 17 | 15 35 | 1 45 | 18 3 | 16 12 | 7 6 | 6 58 | 21 10 | 6 35 | 6 2 |
| F 24 | 9 43 | 20 50 | 2 52 | 2 18 | 3 54 | 10 24 | 1 25 | 1 48 | 0 22 | 15 7 | 0 52 | 10 45 | 2 12 | 23 49 | 0 17 | 15 35 | 1 45 | 18 2 | 16 12 | 7 6 | 6 59 | 21 8 | 6 36 | 6 2 |
| S 25 | 9 21 | 16 23 | 1 54 | 2 21 | 3 58 | 9 56 | 1 25 | 2 4 | 0 22 | 15 3 | 0 53 | 10 47 | 2 12 | 23 49 | 0 17 | 15 35 | 1 45 | 18 1 | 16 12 | 7 6 | 7 0 | 21 5 | 6 37 | 6 2 |
| S 26 | 9 0 | 11 17 | 0 50 | 2 21 | 4 1 | 9 28 | 1 25 | 2 21 | 0 21 | 14 59 | 0 53 | 10 48 | 2 12 | 23 49 | 0 17 | 15 36 | 1 45 | 18 0 | 16 12 | 7 7 | 7 1 | 21 3 | 6 38 | 6 1 |
| M27 | 8 38 | 5 44 | 0n16 | 2 17 | 4 3 | 8 59 | 1 24 | 2 37 | 0 20 | 14 55 | 0 53 | 10 50 | 2 11 | 23 49 | 0 17 | 15 36 | 1 45 | 17 59 | 16 12 | 7 7 | 7 3 | 21 0 | 6 39 | 6 1 |
| T 28 | 8 16 | 0n 5 | 1 23 | 2 9 | 4 4 | 8 30 | 1 24 | 2 54 | 0 20 | 14 50 | 0 53 | 10 52 | 2 11 | 23 49 | 0 17 | 15 36 | 1 44 | 17 58 | 16 12 | 7 7 | 7 4 | 20 58 | 6 40 | 6 1 |
| W29 | 7 54 | 5 58 | 2 26 | 1 58 | 4 3 | 8 1 | 1 24 | 3 10 | 0 19 | 14 46 | 0 53 | 10 54 | 2 11 | 23 49 | 0 17 | 15 37 | 1 44 | 17 57 | 16 12 | 7 6 | 7 5 | 20 55 | 6 41 | 6 1 |
| T 30 | 7 31 | 11 42 | 3 24 | 1 41 | 4 1 | 7 32 | 1 23 | 3 27 | 0 18 | 14 42 | 0 53 | 10 56 | 2 11 | 23 49 | 0 17 | 15 37 | 1 44 | 17 56 | 16 12 | 7 6 | 7 6 | 20 53 | 6 42 | 6 1 |
| F 31 | 7n 9 | 17n 4 | 4n12 | 1s21 | 3s57 | 7n 2 | 1n23 | 3s43 | 0n18 | 14n38 | 0n53 | 10s58 | 2n11 | 23s49 | 0s17 | 15s37 | 1n44 | 17n56 | 16n12 | 7s 6 | 7s 7 | 20s50 | 6s43 | 6n 1 |

Julian Day Number = 2080310.5, Delta T = 25m46s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'27, Lahiri = 9°41'28 Julian Calendar 1 Aug. 983 == Greg. Calendar 6 Aug. 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## SEPTEMBER 983 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 59 3 | 12♍50'37 | 17♉32 | 23°R31 | 16♍42 | 10♎41 | 23♌36 | 4♏21 | 26°D48 | 18♏ 2 | 22♍14 | 11°R59 | 11♓53 | 9♒ 2 | 27°R34 | S 1 |
| S 2 | 23 2 59 | 13°49'21 | 0♊48 | 22♍37 | 17°57 | 11°22 | 23°48 | 4°27 | 26♐48 | 18° 3 | 22°16 | 11♓59 | 11°50 | 9° 9 | 27♒31 | S 2 |
| M 3 | 23 6 56 | 14°48'07 | 14°23 | 21°38 | 19°11 | 12° 2 | 24° 1 | 4°32 | 26°49 | 18° 4 | 22°19 | 11°D59 | 11°46 | 9°15 | 27°28 | M 3 |
| T 4 | 23 10 52 | 15°46'56 | 28°17 | 20°35 | 20°26 | 12°43 | 24°14 | 4°37 | 26°49 | 18° 6 | 22°21 | 11°59 | 11°43 | 9°22 | 27°26 | T 4 |
| W 5 | 23 14 49 | 16°45'47 | 12♋31 | 19°30 | 21°41 | 13°23 | 24°26 | 4°43 | 26°49 | 18° 7 | 22°23 | 11°59 | 11°40 | 9°29 | 27°23 | W 5 |
| T 6 | 23 18 46 | 17°44'41 | 27° 2 | 18°23 | 22°56 | 14° 4 | 24°39 | 4°48 | 26°49 | 18° 8 | 22°25 | 11°59 | 11°37 | 9°35 | 27°20 | T 6 |
| F 7 | 23 22 42 | 18°43'36 | 11♌47 | 17°17 | 24°11 | 14°45 | 24°51 | 4°54 | 26°49 | 18° 9 | 22°28 | 12° 0 | 11°34 | 9°42 | 27°18 | F 7 |
| S 8 | 23 26 39 | 19°42'34 | 26°39 | 16°13 | 25°26 | 15°25 | 25° 4 | 5° 0 | 26°50 | 18°11 | 22°30 | 12° 0 | 11°31 | 9°49 | 27°15 | S 8 |
| S 9 | 23 30 35 | 20°41'34 | 11♍32 | 15°14 | 26°40 | 16° 6 | 25°16 | 5° 5 | 26°50 | 18°12 | 22°32 | 12°R 1 | 11°27 | 9°55 | 27°13 | S 9 |
| M10 | 23 34 32 | 21°40'36 | 26°17 | 14°19 | 27°55 | 16°47 | 25°29 | 5°11 | 26°50 | 18°14 | 22°35 | 12° 0 | 11°24 | 10° 2 | 27°10 | M10 |
| T 11 | 23 38 28 | 22°39'40 | 10♎48 | 13°32 | 29°10 | 17°28 | 25°41 | 5°17 | 26°51 | 18°15 | 22°37 | 12° 0 | 11°21 | 10° 9 | 27° 7 | T 11 |
| W12 | 23 42 25 | 23°38'46 | 24°59 | 12°53 | 0♏25 | 18° 9 | 25°53 | 5°23 | 26°51 | 18°17 | 22°39 | 11°58 | 11°18 | 10°15 | 27° 5 | W12 |
| T 13 | 23 46 21 | 24°37'54 | 8♏46 | 12°23 | 1°40 | 18°50 | 26° 5 | 5°29 | 26°52 | 18°18 | 22°42 | 11°57 | 11°15 | 10°22 | 27° 3 | T 13 |
| F 14 | 23 50 18 | 25°37'04 | 22° 7 | 12° 4 | 2°55 | 19°31 | 26°18 | 5°35 | 26°53 | 18°20 | 22°44 | 11°55 | 11°12 | 10°29 | 27° 0 | F 14 |
| S 15 | 23 54 14 | 26°36'16 | 5♐ 5 | 11°D55 | 4°10 | 20°12 | 26°30 | 5°41 | 26°53 | 18°21 | 22°46 | 11°54 | 11° 8 | 10°35 | 26°58 | S 15 |
| S 16 | 23 58 11 | 27°35'30 | 17°40 | 11°56 | 5°25 | 20°54 | 26°42 | 5°47 | 26°54 | 18°23 | 22°49 | 11°53 | 11° 5 | 10°42 | 26°55 | S 16 |
| M17 | 0 2 8 | 28°34'45 | 29°57 | 12° 8 | 6°40 | 21°35 | 26°54 | 5°53 | 26°55 | 18°24 | 22°51 | 11°D52 | 11° 2 | 10°49 | 26°53 | M17 |
| T 18 | 0 6 4 | 29°34'03 | 12♑ 0 | 12°31 | 7°55 | 22°16 | 27° 6 | 5°59 | 26°56 | 18°26 | 22°53 | 11°53 | 10°59 | 10°55 | 26°51 | T 18 |
| W19 | 0 10 1 | 0♎33'22 | 23°54 | 13° 3 | 9° 9 | 22°58 | 27°18 | 6° 5 | 26°57 | 18°28 | 22°55 | 11°54 | 10°56 | 11° 2 | 26°49 | W19 |
| T 20 | 0 13 57 | 1°32'43 | 5♒43 | 13°44 | 10°24 | 23°39 | 27°30 | 6°11 | 26°58 | 18°29 | 22°58 | 11°56 | 10°52 | 11° 9 | 26°46 | T 20 |
| F 21 | 0 17 54 | 2°32'06 | 17°33 | 14°34 | 11°39 | 24°21 | 27°41 | 6°18 | 26°59 | 18°31 | 23° 0 | 11°57 | 10°49 | 11°15 | 26°44 | F 21 |
| S 22 | 0 21 50 | 3°31'30 | 29°26 | 15°31 | 12°54 | 25° 2 | 27°53 | 6°24 | 27° 0 | 18°33 | 23° 2 | 11°58 | 10°46 | 11°22 | 26°42 | S 22 |
| S 23 | 0 25 47 | 4°30'57 | 11♓27 | 16°35 | 14° 9 | 25°44 | 28° 5 | 6°30 | 27° 1 | 18°34 | 23° 5 | 11°R59 | 10°43 | 11°29 | 26°40 | S 23 |
| M24 | 0 29 43 | 5°30'25 | 23°38 | 17°46 | 15°24 | 26°26 | 28°16 | 6°37 | 27° 2 | 18°36 | 23° 7 | 11°58 | 10°40 | 11°35 | 26°38 | M24 |
| T 25 | 0 33 40 | 6°29'56 | 6♈ 1 | 19° 2 | 16°39 | 27° 7 | 28°28 | 6°43 | 27° 3 | 18°38 | 23° 9 | 11°57 | 10°37 | 11°42 | 26°36 | T 25 |
| W26 | 0 37 37 | 7°29'29 | 18°37 | 20°23 | 17°54 | 27°49 | 28°39 | 6°50 | 27° 4 | 18°40 | 23°11 | 11°54 | 10°33 | 11°49 | 26°34 | W26 |
| T 27 | 0 41 33 | 8°29'03 | 1♉27 | 21°47 | 19° 9 | 28°31 | 28°51 | 6°56 | 27° 6 | 18°41 | 23°14 | 11°50 | 10°30 | 11°55 | 26°32 | T 27 |
| F 28 | 0 45 30 | 9°28'40 | 14°30 | 23°16 | 20°24 | 29°13 | 29° 2 | 7° 3 | 27° 7 | 18°43 | 23°16 | 11°45 | 10°27 | 12° 2 | 26°30 | F 28 |
| S 29 | 0 49 26 | 10°28'20 | 27°46 | 24°47 | 21°39 | 29°55 | 29°14 | 7° 9 | 27° 8 | 18°45 | 23°18 | 11°41 | 10°24 | 12° 9 | 26°28 | S 29 |
| S 30 | 0 53 23 | 11♎28'01 | 11♊15 | 26♍20 | 22♎54 | 0♏37 | 29♌25 | 7♏16 | 27♐10 | 18♏47 | 23♍20 | 11♓37 | 10♓21 | 12♒15 | 26♒27 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n47 | 21n47 | 4n49 | 0s57 | 3s51 | 6n33 | 1n22 | 4s 0 | 0n17 | 14n34 | 0n53 | 11s 0 | 2n10 | 23s49 | 0s17 | 15s38 | 1n44 | 17n55 | 16n12 | 7s 6 | 7s 9 | 20s48 | 6s44 | 6n 1 |
| S 2 | 6 24 | 25 30 | 5 11 | 0 28 | 3 43 | 6 3 | 1 22 | 4 16 | 0 16 | 14 30 | 0 53 | 11 2 | 2 10 | 23 49 | 0 17 | 15 38 | 1 44 | 17 54 | 16 12 | 7 6 | 7 10 | 20 45 | 6 45 | 6 1 |
| M 3 | 6 1 | 27 54 | 5 17 | 0n 4 | 3 34 | 5 33 | 1 21 | 4 33 | 0 16 | 14 26 | 0 53 | 11 4 | 2 10 | 23 49 | 0 17 | 15 39 | 1 44 | 17 53 | 16 11 | 7 6 | 7 11 | 20 43 | 6 46 | 6 0 |
| T 4 | 5 38 | 28 38 | 5 5 | 0 40 | 3 22 | 5 3 | 1 20 | 4 49 | 0 15 | 14 22 | 0 54 | 11 6 | 2 10 | 23 49 | 0 17 | 15 39 | 1 44 | 17 52 | 16 11 | 7 6 | 7 12 | 20 40 | 6 47 | 6 0 |
| W 5 | 5 15 | 27 31 | 4 34 | 1 18 | 3 8 | 4 32 | 1 20 | 5 5 | 0 14 | 14 18 | 0 54 | 11 8 | 2 10 | 23 49 | 0 17 | 15 39 | 1 44 | 17 51 | 16 11 | 7 6 | 7 14 | 20 38 | 6 49 | 6 0 |
| T 6 | 4 52 | 24 32 | 3 45 | 1 58 | 2 53 | 4 2 | 1 19 | 5 22 | 0 14 | 14 13 | 0 54 | 11 10 | 2 10 | 23 49 | 0 17 | 15 40 | 1 44 | 17 50 | 16 11 | 7 6 | 7 15 | 20 35 | 6 50 | 6 0 |
| F 7 | 4 29 | 19 55 | 2 40 | 2 39 | 2 36 | 3 31 | 1 18 | 5 38 | 0 13 | 14 9 | 0 54 | 11 12 | 2 9 | 23 49 | 0 17 | 15 40 | 1 44 | 17 49 | 16 11 | 7 6 | 7 16 | 20 32 | 6 51 | 6 0 |
| S 8 | 4 6 | 14 1 | 1 24 | 3 21 | 2 18 | 3 0 | 1 17 | 5 55 | 0 13 | 14 5 | 0 54 | 11 14 | 2 9 | 23 49 | 0 17 | 15 41 | 1 44 | 17 48 | 16 11 | 7 6 | 7 17 | 20 30 | 6 52 | 6 0 |
| S 9 | 3 43 | 7 19 | 0 3 | 4 2 | 1 59 | 2 29 | 1 16 | 6 11 | 0 12 | 14 1 | 0 54 | 11 16 | 2 9 | 23 49 | 0 17 | 15 41 | 1 44 | 17 47 | 16 11 | 7 6 | 7 18 | 20 27 | 6 53 | 5 59 |
| M10 | 3 19 | 0 17 | 1s18 | 4 41 | 1 39 | 1 59 | 1 15 | 6 28 | 0 11 | 13 57 | 0 54 | 11 18 | 2 9 | 23 49 | 0 17 | 15 42 | 1 44 | 17 46 | 16 11 | 7 6 | 7 20 | 20 25 | 6 54 | 5 59 |
| T 11 | 2 56 | 6s38 | 2 33 | 5 18 | 1 19 | 1 28 | 1 14 | 6 44 | 0 11 | 13 53 | 0 54 | 11 20 | 2 9 | 23 49 | 0 17 | 15 42 | 1 44 | 17 45 | 16 11 | 7 6 | 7 21 | 20 22 | 6 55 | 5 59 |
| W12 | 2 32 | 13 4 | 3 36 | 5 52 | 0 58 | 0 57 | 1 13 | 7 0 | 0 10 | 13 49 | 0 55 | 11 22 | 2 9 | 23 49 | 0 17 | 15 42 | 1 44 | 17 44 | 16 12 | 7 7 | 7 22 | 20 20 | 6 56 | 5 59 |
| T 13 | 2 9 | 18 41 | 4 25 | 6 21 | 0 38 | 0 25 | 1 11 | 7 16 | 0 9 | 13 45 | 0 55 | 11 24 | 2 8 | 23 49 | 0 17 | 15 43 | 1 44 | 17 43 | 16 12 | 7 7 | 7 23 | 20 17 | 6 57 | 5 59 |
| F 14 | 1 45 | 23 11 | 4 58 | 6 47 | 0 19 | 0s 6 | 1 10 | 7 33 | 0 9 | 13 41 | 0 55 | 11 26 | 2 8 | 23 49 | 0 17 | 15 43 | 1 44 | 17 43 | 16 12 | 7 8 | 7 24 | 20 15 | 6 58 | 5 58 |
| S 15 | 1 21 | 26 25 | 5 14 | 7 7 | 0 1 | 0 37 | 1 9 | 7 49 | 0 8 | 13 37 | 0 55 | 11 29 | 2 8 | 23 49 | 0 17 | 15 44 | 1 44 | 17 42 | 16 12 | 7 8 | 7 26 | 20 12 | 6 59 | 5 58 |
| S 16 | 0 58 | 28 13 | 5 15 | 7 23 | 0n17 | 1 8 | 1 7 | 8 5 | 0 7 | 13 33 | 0 55 | 11 31 | 2 8 | 23 49 | 0 17 | 15 44 | 1 43 | 17 41 | 16 12 | 7 9 | 7 27 | 20 9 | 7 0 | 5 58 |
| M17 | 0 34 | 28 35 | 5 1 | 7 33 | 0 33 | 1 39 | 1 6 | 8 21 | 0 7 | 13 29 | 0 55 | 11 33 | 2 8 | 23 49 | 0 17 | 15 45 | 1 43 | 17 40 | 16 12 | 7 9 | 7 28 | 20 7 | 7 1 | 5 58 |
| T 18 | 0 10 | 27 34 | 4 34 | 7 38 | 0 47 | 2 10 | 1 4 | 8 37 | 0 6 | 13 25 | 0 55 | 11 35 | 2 8 | 23 49 | 0 17 | 15 45 | 1 43 | 17 39 | 16 12 | 7 9 | 7 29 | 20 4 | 7 2 | 5 58 |
| W19 | 0s13 | 25 19 | 3 55 | 7 38 | 1 1 | 2 41 | 1 3 | 8 53 | 0 5 | 13 21 | 0 55 | 11 37 | 2 7 | 23 49 | 0 17 | 15 46 | 1 43 | 17 38 | 16 12 | 7 8 | 7 31 | 20 2 | 7 3 | 5 57 |
| T 20 | 0 37 | 21 58 | 3 7 | 7 33 | 1 13 | 3 12 | 1 1 | 9 9 | 0 5 | 13 17 | 0 56 | 11 39 | 2 7 | 23 49 | 0 17 | 15 46 | 1 43 | 17 38 | 16 12 | 7 8 | 7 32 | 19 59 | 7 4 | 5 57 |
| F 21 | 1 1 | 17 44 | 2 11 | 7 23 | 1 23 | 3 43 | 1 0 | 9 25 | 0 4 | 13 13 | 0 56 | 11 42 | 2 7 | 23 49 | 0 17 | 15 47 | 1 43 | 17 37 | 16 12 | 7 7 | 7 33 | 19 56 | 7 5 | 5 57 |
| S 22 | 1 25 | 12 48 | 1 9 | 7 9 | 1 32 | 4 14 | 0 58 | 9 41 | 0 4 | 13 9 | 0 56 | 11 44 | 2 7 | 23 49 | 0 17 | 15 47 | 1 43 | 17 36 | 16 12 | 7 7 | 7 34 | 19 54 | 7 6 | 5 57 |
| S 23 | 1 48 | 7 21 | 0 3 | 6 51 | 1 40 | 4 45 | 0 56 | 9 57 | 0 3 | 13 5 | 0 56 | 11 46 | 2 7 | 23 49 | 0 17 | 15 48 | 1 43 | 17 35 | 16 12 | 7 6 | 7 35 | 19 51 | 7 7 | 5 56 |
| M24 | 2 12 | 1 34 | 1n 4 | 6 29 | 1 46 | 5 16 | 0 54 | 10 13 | 0 2 | 13 1 | 0 56 | 11 48 | 2 7 | 23 49 | 0 17 | 15 48 | 1 43 | 17 34 | 16 13 | 7 7 | 7 37 | 19 49 | 7 7 | 5 56 |
| T 25 | 2 36 | 4n22 | 2 8 | 6 4 | 1 51 | 5 46 | 0 52 | 10 29 | 0 2 | 12 57 | 0 56 | 11 50 | 2 7 | 23 49 | 0 16 | 15 49 | 1 43 | 17 34 | 16 13 | 7 7 | 7 38 | 19 46 | 7 8 | 5 56 |
| W26 | 2 59 | 10 14 | 3 8 | 5 36 | 1 55 | 6 17 | 0 51 | 10 44 | 0 1 | 12 53 | 0 57 | 11 53 | 2 7 | 23 49 | 0 16 | 15 49 | 1 43 | 17 33 | 16 13 | 7 8 | 7 39 | 19 43 | 7 9 | 5 56 |
| T 27 | 3 23 | 15 46 | 3 59 | 5 5 | 1 58 | 6 47 | 0 49 | 11 0 | 0 0 | 12 49 | 0 57 | 11 55 | 2 6 | 23 49 | 0 16 | 15 50 | 1 43 | 17 32 | 16 13 | 7 10 | 7 40 | 19 41 | 7 10 | 5 55 |
| F 28 | 3 47 | 20 42 | 4 38 | 4 32 | 2 0 | 7 18 | 0 47 | 11 16 | 0s 0 | 12 46 | 0 57 | 11 57 | 2 6 | 23 49 | 0 16 | 15 50 | 1 43 | 17 31 | 16 13 | 7 12 | 7 41 | 19 38 | 7 11 | 5 55 |
| S 29 | 4 10 | 24 42 | 5 4 | 3 56 | 2 1 | 7 48 | 0 45 | 11 31 | 0 1 | 12 42 | 0 57 | 11 59 | 2 6 | 23 49 | 0 16 | 15 51 | 1 43 | 17 31 | 16 13 | 7 13 | 7 43 | 19 35 | 7 12 | 5 55 |
| S 30 | 4s34 | 27n25 | 5n13 | 3n19 | 2n 1 | 8s18 | 0n43 | 11s47 | 0s 2 | 12n38 | 0n57 | 12s 2 | 2n 6 | 23s49 | 0s16 | 15s52 | 1n43 | 17n30 | 16n14 | 7s15 | 7s44 | 19s33 | 7s13 | 5n54 |

Julian Day Number = 2080341.5, Delta T = 25m45s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'31, Lahiri = 9°41'32 Julian Calendar 1 Sept. 983 == Greg. Calendar 6 Sept. 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## OCTOBER 983 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 57 19 | 12♎27'45 | 24♊57 | 27♍55 | 24♎ 9 | 1♏19 | 29♌36 | 7♏23 | 27♐11 | 18♏49 | 23♍23 | 11°R34 | 10♓17 | 12♒22 | 26°R25 | M 1 |
| T 2 | 1 1 16 | 13°27'31 | 8♋50 | 29°32 | 25°24 | 2° 1 | 29°47 | 7°29 | 27°13 | 18°51 | 23°25 | 11°D33 | 10°14 | 12°29 | 26♒23 | T 2 |
| W 3 | 1 5 12 | 14°27'20 | 22°53 | 1♎10 | 26°39 | 2°44 | 29°58 | 7°36 | 27°14 | 18°53 | 23°27 | 11♓33 | 10°11 | 12°35 | 26°21 | W 3 |
| T 4 | 1 9 9 | 15°27'11 | 7♌ 7 | 2°49 | 27°54 | 3°26 | 0♍ 9 | 7°43 | 27°16 | 18°55 | 23°29 | 11°35 | 10° 8 | 12°42 | 26°20 | T 4 |
| F 5 | 1 13 6 | 16°27'04 | 21°28 | 4°28 | 29° 8 | 4° 8 | 0°20 | 7°50 | 27°18 | 18°57 | 23°31 | 11°36 | 10° 5 | 12°49 | 26°18 | F 5 |
| S 6 | 1 17 2 | 17°26'59 | 5♍54 | 6° 8 | 0♏23 | 4°51 | 0°31 | 7°56 | 27°19 | 18°59 | 23°34 | 11°R37 | 10° 2 | 12°55 | 26°17 | S 6 |
| S 7 | 1 20 59 | 18°26'57 | 20°21 | 7°48 | 1°38 | 5°33 | 0°41 | 8° 3 | 27°21 | 19° 1 | 23°36 | 11°37 | 9°58 | 13° 2 | 26°15 | S 7 |
| M 8 | 1 24 55 | 19°26'56 | 4♎45 | 9°29 | 2°53 | 6°16 | 0°52 | 8°10 | 27°23 | 19° 3 | 23°38 | 11°35 | 9°55 | 13° 9 | 26°14 | M 8 |
| T 9 | 1 28 52 | 20°26'58 | 18°59 | 11° 9 | 4° 8 | 6°58 | 1° 2 | 8°17 | 27°25 | 19° 5 | 23°40 | 11°31 | 9°52 | 13°15 | 26°13 | T 9 |
| W10 | 1 32 48 | 21°27'01 | 3♏ 0 | 12°50 | 5°23 | 7°41 | 1°13 | 8°24 | 27°27 | 19° 7 | 23°42 | 11°25 | 9°49 | 13°22 | 26°11 | W10 |
| T 11 | 1 36 45 | 22°27'07 | 16°41 | 14°30 | 6°38 | 8°24 | 1°23 | 8°31 | 27°29 | 19° 9 | 23°44 | 11°19 | 9°46 | 13°29 | 26°10 | T 11 |
| F 12 | 1 40 41 | 23°27'14 | 0♐ 2 | 16°10 | 7°53 | 9° 7 | 1°33 | 8°38 | 27°31 | 19°11 | 23°46 | 11°11 | 9°43 | 13°35 | 26° 9 | F 12 |
| S 13 | 1 44 38 | 24°27'23 | 13° 0 | 17°50 | 9° 8 | 9°49 | 1°44 | 8°45 | 27°33 | 19°13 | 23°48 | 11° 4 | 9°39 | 13°42 | 26° 8 | S 13 |
| S 14 | 1 48 35 | 25°27'34 | 25°37 | 19°29 | 10°23 | 10°32 | 1°54 | 8°52 | 27°35 | 19°15 | 23°50 | 10°59 | 9°36 | 13°49 | 26° 7 | S 14 |
| M15 | 1 52 31 | 26°27'46 | 7♑55 | 21° 8 | 11°38 | 11°15 | 2° 4 | 8°59 | 27°37 | 19°17 | 23°53 | 10°55 | 9°33 | 13°55 | 26° 6 | M15 |
| T 16 | 1 56 28 | 27°28'00 | 19°59 | 22°47 | 12°53 | 11°58 | 2°13 | 9° 6 | 27°39 | 19°19 | 23°55 | 10°53 | 9°30 | 14° 2 | 26° 5 | T 16 |
| W17 | 2 0 24 | 28°28'16 | 1♒53 | 24°25 | 14° 8 | 12°41 | 2°23 | 9°13 | 27°41 | 19°21 | 23°57 | 10°D52 | 9°27 | 14° 9 | 26° 4 | W17 |
| T 18 | 2 4 21 | 29°28'33 | 13°42 | 26° 3 | 15°23 | 13°25 | 2°33 | 9°20 | 27°44 | 19°23 | 23°59 | 10°53 | 9°23 | 14°15 | 26° 3 | T 18 |
| F 19 | 2 8 17 | 0♏28'51 | 25°32 | 27°41 | 16°38 | 14° 8 | 2°42 | 9°27 | 27°46 | 19°26 | 24° 0 | 10°55 | 9°20 | 14°22 | 26° 2 | F 19 |
| S 20 | 2 12 14 | 1°29'11 | 7♓27 | 29°18 | 17°53 | 14°51 | 2°52 | 9°34 | 27°48 | 19°28 | 24° 2 | 10°R56 | 9°17 | 14°28 | 26° 1 | S 20 |
| S 21 | 2 16 10 | 2°29'32 | 19°33 | 0♏55 | 19° 8 | 15°34 | 3° 1 | 9°41 | 27°51 | 19°30 | 24° 4 | 10°55 | 9°14 | 14°35 | 26° 1 | S 21 |
| M22 | 2 20 7 | 3°29'55 | 1♈52 | 2°32 | 20°23 | 16°18 | 3°10 | 9°48 | 27°53 | 19°32 | 24° 6 | 10°53 | 9°11 | 14°42 | 26° 0 | M22 |
| T 23 | 2 24 4 | 4°30'20 | 14°28 | 4° 8 | 21°38 | 17° 1 | 3°19 | 9°55 | 27°55 | 19°34 | 24° 8 | 10°48 | 9° 8 | 14°48 | 25°59 | T 23 |
| W24 | 2 28 0 | 5°30'46 | 27°23 | 5°44 | 22°53 | 17°45 | 3°28 | 10° 2 | 27°58 | 19°37 | 24°10 | 10°41 | 9° 4 | 14°55 | 25°59 | W24 |
| T 25 | 2 31 57 | 6°31'14 | 10♉35 | 7°20 | 24° 7 | 18°28 | 3°37 | 10° 9 | 28° 0 | 19°39 | 24°12 | 10°32 | 9° 1 | 15° 2 | 25°58 | T 25 |
| F 26 | 2 35 53 | 7°31'43 | 24° 4 | 8°55 | 25°22 | 19°12 | 3°46 | 10°17 | 28° 3 | 19°41 | 24°14 | 10°22 | 8°58 | 15° 8 | 25°58 | F 26 |
| S 27 | 2 39 50 | 8°32'14 | 7♊47 | 10°31 | 26°37 | 19°55 | 3°55 | 10°24 | 28° 6 | 19°43 | 24°15 | 10°12 | 8°55 | 15°15 | 25°58 | S 27 |
| S 28 | 2 43 46 | 9°32'47 | 21°40 | 12° 5 | 27°52 | 20°39 | 4° 3 | 10°31 | 28° 8 | 19°45 | 24°17 | 10° 3 | 8°52 | 15°22 | 25°57 | S 28 |
| M29 | 2 47 43 | 10°33'22 | 5♋40 | 13°40 | 29° 7 | 21°23 | 4°12 | 10°38 | 28°11 | 19°48 | 24°19 | 9°56 | 8°49 | 15°28 | 25°57 | M29 |
| T 30 | 2 51 39 | 11°33'59 | 19°44 | 15°14 | 0♐22 | 22° 7 | 4°20 | 10°45 | 28°14 | 19°50 | 24°21 | 9°52 | 8°45 | 15°35 | 25°57 | T 30 |
| W31 | 2 55 36 | 12♏34'37 | 3♌50 | 16♏48 | 1♐37 | 22♏50 | 4♍28 | 10♏52 | 28♐16 | 19♏52 | 24♍22 | 9♓49 | 8♓42 | 15♒42 | 25♒57 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 4s57 | 28n33 | 5n 4 | 2n40 | 2n 0 | 8s47 | 0n40 | 12s 2 | 0s 2 | 12n34 | 0n57 | 12s 4 | 2n 6 | 23s49 | 0s16 | 15s52 | 1n43 | 17n29 | 16n14 | 7s16 | 7s45 | 19s30 | 7s14 | 5n54 |
| T 2 | 5 20 | 27 54 | 4 38 | 2 0 | 1 59 | 9 17 | 0 38 | 12 17 | 0 3 | 12 30 | 0 57 | 12 6 | 2 6 | 23 49 | 0 16 | 15 53 | 1 43 | 17 28 | 16 14 | 7 16 | 7 46 | 19 27 | 7 15 | 5 54 |
| W 3 | 5 44 | 25 29 | 3 55 | 1 19 | 1 57 | 9 46 | 0 36 | 12 32 | 0 3 | 12 27 | 0 58 | 12 9 | 2 6 | 23 49 | 0 16 | 15 53 | 1 43 | 17 28 | 16 14 | 7 16 | 7 47 | 19 25 | 7 15 | 5 54 |
| T 4 | 6 7 | 21 27 | 2 57 | 0 37 | 1 54 | 10 15 | 0 34 | 12 48 | 0 4 | 12 23 | 0 58 | 12 11 | 2 6 | 23 49 | 0 16 | 15 54 | 1 43 | 17 27 | 16 14 | 7 16 | 7 49 | 19 22 | 7 16 | 5 53 |
| F 5 | 6 30 | 16 8 | 1 48 | 0s 6 | 1 51 | 10 44 | 0 32 | 13 3 | 0 5 | 12 19 | 0 58 | 12 13 | 2 6 | 23 49 | 0 16 | 15 54 | 1 43 | 17 26 | 16 15 | 7 15 | 7 50 | 19 19 | 7 17 | 5 53 |
| S 6 | 6 53 | 9 53 | 0 31 | 0 49 | 1 47 | 11 13 | 0 29 | 13 18 | 0 5 | 12 16 | 0 58 | 12 15 | 2 5 | 23 49 | 0 16 | 15 55 | 1 43 | 17 26 | 16 15 | 7 15 | 7 51 | 19 17 | 7 18 | 5 53 |
| S 7 | 7 16 | 3 7 | 0s47 | 1 32 | 1 43 | 11 41 | 0 27 | 13 32 | 0 6 | 12 12 | 0 58 | 12 18 | 2 5 | 23 49 | 0 16 | 15 55 | 1 43 | 17 25 | 16 15 | 7 15 | 7 52 | 19 14 | 7 19 | 5 52 |
| M 8 | 7 39 | 3s46 | 2 3 | 2 16 | 1 38 | 12 9 | 0 25 | 13 47 | 0 7 | 12 8 | 0 58 | 12 20 | 2 5 | 23 49 | 0 16 | 15 56 | 1 43 | 17 24 | 16 15 | 7 16 | 7 54 | 19 11 | 7 19 | 5 52 |
| T 9 | 8 2 | 10 23 | 3 9 | 3 0 | 1 33 | 12 37 | 0 22 | 14 2 | 0 7 | 12 5 | 0 59 | 12 22 | 2 5 | 23 49 | 0 16 | 15 57 | 1 43 | 17 24 | 16 16 | 7 17 | 7 55 | 19 9 | 7 20 | 5 52 |
| W10 | 8 25 | 16 23 | 4 3 | 3 44 | 1 28 | 13 5 | 0 20 | 14 17 | 0 8 | 12 1 | 0 59 | 12 25 | 2 5 | 23 49 | 0 16 | 15 57 | 1 43 | 17 23 | 16 16 | 7 19 | 7 56 | 19 6 | 7 21 | 5 51 |
| T 11 | 8 47 | 21 24 | 4 41 | 4 28 | 1 23 | 13 32 | 0 18 | 14 31 | 0 9 | 11 58 | 0 59 | 12 27 | 2 5 | 23 49 | 0 16 | 15 58 | 1 43 | 17 23 | 16 16 | 7 22 | 7 57 | 19 3 | 7 22 | 5 51 |
| F 12 | 9 10 | 25 12 | 5 3 | 5 12 | 1 17 | 13 59 | 0 15 | 14 45 | 0 9 | 11 54 | 0 59 | 12 29 | 2 5 | 23 49 | 0 16 | 15 58 | 1 42 | 17 22 | 16 17 | 7 25 | 7 58 | 19 1 | 7 22 | 5 51 |
| S 13 | 9 32 | 27 35 | 5 9 | 5 56 | 1 11 | 14 25 | 0 13 | 15 0 | 0 10 | 11 51 | 0 59 | 12 31 | 2 5 | 23 49 | 0 16 | 15 59 | 1 42 | 17 22 | 16 17 | 7 27 | 8 0 | 18 58 | 7 23 | 5 50 |
| S 14 | 9 54 | 28 29 | 4 59 | 6 40 | 1 5 | 14 51 | 0 10 | 15 14 | 0 10 | 11 47 | 1 0 | 12 34 | 2 5 | 23 49 | 0 16 | 16 0 | 1 42 | 17 21 | 16 17 | 7 29 | 8 1 | 18 55 | 7 24 | 5 50 |
| M15 | 10 16 | 27 55 | 4 36 | 7 23 | 0 59 | 15 17 | 0 8 | 15 28 | 0 11 | 11 44 | 1 0 | 12 36 | 2 5 | 23 49 | 0 16 | 16 0 | 1 42 | 17 20 | 16 17 | 7 31 | 8 2 | 18 53 | 7 24 | 5 50 |
| T 16 | 10 38 | 26 2 | 4 0 | 8 5 | 0 53 | 15 42 | 0 5 | 15 42 | 0 12 | 11 40 | 1 0 | 12 38 | 2 5 | 23 50 | 0 16 | 16 1 | 1 42 | 17 20 | 16 18 | 7 32 | 8 3 | 18 50 | 7 25 | 5 49 |
| W17 | 10 59 | 23 1 | 3 15 | 8 48 | 0 46 | 16 7 | 0 3 | 15 56 | 0 12 | 11 37 | 1 0 | 12 41 | 2 5 | 23 50 | 0 16 | 16 1 | 1 42 | 17 19 | 16 18 | 7 32 | 8 4 | 18 47 | 7 26 | 5 49 |
| T 18 | 11 21 | 19 4 | 2 22 | 9 30 | 0 40 | 16 32 | 0 0 | 16 9 | 0 13 | 11 34 | 1 0 | 12 43 | 2 5 | 23 50 | 0 16 | 16 2 | 1 42 | 17 19 | 16 18 | 7 31 | 8 6 | 18 44 | 7 26 | 5 49 |
| F 19 | 11 42 | 14 22 | 1 22 | 10 11 | 0 33 | 16 56 | 0s 2 | 16 23 | 0 14 | 11 30 | 1 1 | 12 45 | 2 4 | 23 50 | 0 16 | 16 3 | 1 42 | 17 18 | 16 19 | 7 31 | 8 7 | 18 42 | 7 27 | 5 48 |
| S 20 | 12 3 | 9 7 | 0 19 | 10 52 | 0 27 | 17 20 | 0 5 | 16 36 | 0 14 | 11 27 | 1 1 | 12 48 | 2 4 | 23 50 | 0 16 | 16 3 | 1 42 | 17 18 | 16 19 | 7 31 | 8 8 | 18 39 | 7 27 | 5 48 |
| S 21 | 12 24 | 3 27 | 0n46 | 11 33 | 0 20 | 17 43 | 0 7 | 16 50 | 0 15 | 11 24 | 1 1 | 12 50 | 2 4 | 23 50 | 0 16 | 16 4 | 1 42 | 17 18 | 16 19 | 7 31 | 8 9 | 18 36 | 7 28 | 5 48 |
| M22 | 12 45 | 2n26 | 1 50 | 12 13 | 0 13 | 18 6 | 0 10 | 17 3 | 0 15 | 11 21 | 1 1 | 12 52 | 2 4 | 23 50 | 0 16 | 16 4 | 1 42 | 17 17 | 16 20 | 7 32 | 8 10 | 18 33 | 7 28 | 5 47 |
| T 23 | 13 6 | 8 21 | 2 50 | 12 52 | 0 7 | 18 28 | 0 12 | 17 16 | 0 16 | 11 18 | 1 1 | 12 54 | 2 4 | 23 50 | 0 16 | 16 5 | 1 42 | 17 17 | 16 20 | 7 33 | 8 12 | 18 31 | 7 29 | 5 47 |
| W24 | 13 26 | 14 3 | 3 43 | 13 30 | 0 0 | 18 50 | 0 15 | 17 29 | 0 17 | 11 15 | 1 2 | 12 57 | 2 4 | 23 50 | 0 16 | 16 6 | 1 42 | 17 16 | 16 21 | 7 36 | 8 13 | 18 28 | 7 29 | 5 47 |
| T 25 | 13 46 | 19 15 | 4 24 | 14 8 | 0s 7 | 19 11 | 0 17 | 17 42 | 0 17 | 11 12 | 1 2 | 12 59 | 2 4 | 23 50 | 0 16 | 16 6 | 1 42 | 17 16 | 16 21 | 7 39 | 8 14 | 18 25 | 7 30 | 5 46 |
| F 26 | 14 6 | 23 37 | 4 52 | 14 46 | 0 13 | 19 32 | 0 20 | 17 54 | 0 18 | 11 9 | 1 2 | 13 1 | 2 4 | 23 50 | 0 16 | 16 7 | 1 42 | 17 16 | 16 21 | 7 43 | 8 15 | 18 22 | 7 30 | 5 46 |
| S 27 | 14 26 | 26 44 | 5 4 | 15 22 | 0 20 | 19 52 | 0 22 | 18 7 | 0 18 | 11 6 | 1 2 | 13 3 | 2 4 | 23 50 | 0 16 | 16 7 | 1 42 | 17 15 | 16 22 | 7 47 | 8 16 | 18 20 | 7 31 | 5 45 |
| S 28 | 14 45 | 28 16 | 4 58 | 15 58 | 0 26 | 20 12 | 0 25 | 18 19 | 0 19 | 11 3 | 1 2 | 13 6 | 2 4 | 23 50 | 0 16 | 16 8 | 1 42 | 17 15 | 16 22 | 7 51 | 8 18 | 18 17 | 7 31 | 5 45 |
| M29 | 15 4 | 28 1 | 4 35 | 16 33 | 0 33 | 20 31 | 0 27 | 18 31 | 0 20 | 11 0 | 1 3 | 13 8 | 2 4 | 23 50 | 0 16 | 16 9 | 1 42 | 17 15 | 16 23 | 7 53 | 8 19 | 18 14 | 7 32 | 5 45 |
| T 30 | 15 23 | 25 58 | 3 54 | 17 7 | 0 39 | 20 50 | 0 30 | 18 43 | 0 20 | 10 57 | 1 3 | 13 10 | 2 4 | 23 50 | 0 16 | 16 9 | 1 42 | 17 14 | 16 23 | 7 55 | 8 20 | 18 11 | 7 32 | 5 44 |
| W31 | 15s42 | 22n18 | 3n 0 | 17s41 | 0s45 | 21s 8 | 0s32 | 18s55 | 0s21 | 10n54 | 1n 3 | 13s12 | 2n 4 | 23s50 | 0s16 | 16s10 | 1n42 | 17n14 | 16n23 | 7s56 | 8s21 | 18s 9 | 7s33 | 5n44 |

Julian Day Number = 2080371.5, Delta T = 25m45s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'35, Lahiri = 9°41'36 Julian Calendar 1 Oct. 983 == Greg. Calendar 6 Oct. 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## NOVEMBER 983 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 59 33 | 13♏35'17 | 17♌56 | 18♏22 | 2♐52 | 23♏34 | 4♍36 | 10♏59 | 28♐19 | 19♏54 | 24♍24 | 9°D49 | 8♓39 | 15♒48 | 25°R57 | T 1 |
| F 2 | 3 3 29 | 14°35'59 | 2♍ 2 | 19°56 | 4° 7 | 24°18 | 4°44 | 11° 6 | 28°22 | 19°57 | 24°26 | 9♓50 | 8°36 | 15°55 | 25°D57 | F 2 |
| S 3 | 3 7 26 | 15°36'42 | 16° 5 | 21°30 | 5°22 | 25° 2 | 4°52 | 11°13 | 28°25 | 19°59 | 24°27 | 9°R50 | 8°33 | 16° 2 | 25♒57 | S 3 |
| S 4 | 3 11 22 | 16°37'27 | 0♎ 6 | 23° 3 | 6°36 | 25°46 | 5° 0 | 11°21 | 28°28 | 20° 1 | 24°29 | 9°48 | 8°29 | 16° 8 | 25°57 | S 4 |
| M 5 | 3 15 19 | 17°38'14 | 14° 2 | 24°36 | 7°51 | 26°31 | 5° 7 | 11°28 | 28°30 | 20° 3 | 24°31 | 9°44 | 8°26 | 16°15 | 25°57 | M 5 |
| T 6 | 3 19 15 | 18°39'02 | 27°51 | 26°10 | 9° 6 | 27°15 | 5°15 | 11°35 | 28°33 | 20° 6 | 24°32 | 9°37 | 8°23 | 16°22 | 25°57 | T 6 |
| W 7 | 3 23 12 | 19°39'52 | 11♏29 | 27°43 | 10°21 | 27°59 | 5°22 | 11°42 | 28°36 | 20° 8 | 24°34 | 9°27 | 8°20 | 16°28 | 25°57 | W 7 |
| T 8 | 3 27 8 | 20°40'43 | 24°54 | 29°16 | 11°36 | 28°43 | 5°29 | 11°49 | 28°39 | 20°10 | 24°35 | 9°15 | 8°17 | 16°35 | 25°58 | T 8 |
| F 9 | 3 31 5 | 21°41'35 | 8♐ 3 | 0♐48 | 12°51 | 29°28 | 5°36 | 11°56 | 28°42 | 20°12 | 24°37 | 9° 2 | 8°14 | 16°42 | 25°58 | F 9 |
| S 10 | 3 35 2 | 22°42'29 | 20°54 | 2°21 | 14° 6 | 0♑12 | 5°43 | 12° 3 | 28°45 | 20°15 | 24°38 | 8°49 | 8°10 | 16°48 | 25°59 | S 10 |
| S 11 | 3 38 58 | 23°43'23 | 3♑27 | 3°54 | 15°20 | 0°57 | 5°50 | 12°10 | 28°48 | 20°17 | 24°40 | 8°38 | 8° 7 | 16°55 | 25°59 | S 11 |
| M12 | 3 42 55 | 24°44'19 | 15°44 | 5°26 | 16°35 | 1°41 | 5°56 | 12°17 | 28°52 | 20°19 | 24°41 | 8°29 | 8° 4 | 17° 2 | 26° 0 | M12 |
| T 13 | 3 46 51 | 25°45'15 | 27°47 | 6°59 | 17°50 | 2°26 | 6° 2 | 12°24 | 28°55 | 20°21 | 24°42 | 8°24 | 8° 1 | 17° 8 | 26° 0 | T 13 |
| W14 | 3 50 48 | 26°46'13 | 9♒40 | 8°31 | 19° 5 | 3°10 | 6° 9 | 12°31 | 28°58 | 20°24 | 24°44 | 8°20 | 7°58 | 17°15 | 26° 1 | W14 |
| T 15 | 3 54 44 | 27°47'11 | 21°28 | 10° 3 | 20°20 | 3°55 | 6°15 | 12°38 | 29° 1 | 20°26 | 24°45 | 8°19 | 7°55 | 17°22 | 26° 2 | T 15 |
| F 16 | 3 58 41 | 28°48'09 | 3♓17 | 11°35 | 21°35 | 4°40 | 6°21 | 12°45 | 29° 4 | 20°28 | 24°46 | 8°19 | 7°51 | 17°28 | 26° 3 | F 16 |
| S 17 | 4 2 37 | 29°49'09 | 15°11 | 13° 6 | 22°49 | 5°25 | 6°26 | 12°52 | 29° 7 | 20°30 | 24°48 | 8°19 | 7°48 | 17°35 | 26° 4 | S 17 |
| S 18 | 4 6 34 | 0♗50'09 | 27°18 | 14°38 | 24° 4 | 6° 9 | 6°32 | 12°59 | 29°11 | 20°33 | 24°49 | 8°18 | 7°45 | 17°42 | 26° 5 | S 18 |
| M19 | 4 10 31 | 1°51'09 | 9♈40 | 16° 9 | 25°19 | 6°54 | 6°37 | 13° 6 | 29°14 | 20°35 | 24°50 | 8°14 | 7°42 | 17°48 | 26° 6 | M19 |
| T 20 | 4 14 27 | 2°52'11 | 22°23 | 17°40 | 26°34 | 7°39 | 6°43 | 13°13 | 29°17 | 20°37 | 24°51 | 8° 8 | 7°39 | 17°55 | 26° 7 | T 20 |
| W21 | 4 18 24 | 3°53'13 | 5♉29 | 19°10 | 27°48 | 8°24 | 6°48 | 13°19 | 29°21 | 20°39 | 24°52 | 7°59 | 7°35 | 18° 1 | 26° 8 | W21 |
| T 22 | 4 22 20 | 4°54'16 | 18°59 | 20°40 | 29° 3 | 9° 9 | 6°53 | 13°26 | 29°24 | 20°42 | 24°53 | 7°48 | 7°32 | 18° 8 | 26° 9 | T 22 |
| F 23 | 4 26 17 | 5°55'19 | 2♊51 | 22° 9 | 0♑18 | 9°54 | 6°58 | 13°33 | 29°27 | 20°44 | 24°54 | 7°35 | 7°29 | 18°15 | 26°10 | F 23 |
| S 24 | 4 30 13 | 6°56'23 | 17° 0 | 23°38 | 1°32 | 10°39 | 7° 2 | 13°40 | 29°31 | 20°46 | 24°55 | 7°23 | 7°26 | 18°21 | 26°11 | S 24 |
| S 25 | 4 34 10 | 7°57'29 | 1♋22 | 25° 6 | 2°47 | 11°25 | 7° 7 | 13°47 | 29°34 | 20°48 | 24°56 | 7°11 | 7°23 | 18°28 | 26°13 | S 25 |
| M26 | 4 38 7 | 8°58'34 | 15°50 | 26°32 | 4° 2 | 12°10 | 7°11 | 13°53 | 29°37 | 20°50 | 24°57 | 7° 2 | 7°20 | 18°35 | 26°14 | M26 |
| T 27 | 4 42 3 | 9°59'41 | 0♌17 | 27°58 | 5°16 | 12°55 | 7°15 | 14° 0 | 29°41 | 20°53 | 24°58 | 6°55 | 7°16 | 18°41 | 26°15 | T 27 |
| W28 | 4 46 0 | 11° 0'49 | 14°39 | 29°22 | 6°31 | 13°40 | 7°19 | 14° 6 | 29°44 | 20°55 | 24°59 | 6°52 | 7°13 | 18°48 | 26°17 | W28 |
| T 29 | 4 49 56 | 12° 1'57 | 28°53 | 0♑44 | 7°46 | 14°26 | 7°23 | 14°13 | 29°48 | 20°57 | 25° 0 | 6°51 | 7°10 | 18°55 | 26°18 | T 29 |
| F 30 | 4 53 53 | 13♐ 3'06 | 12♍57 | 2♑ 4 | 9♑ 0 | 15♐11 | 7♍27 | 14♏20 | 29♐51 | 20♏59 | 25♍ 1 | 6♓51 | 7♓ 7 | 19♒ 1 | 26♒20 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s 0 | 17n21 | 1n54 | 18s13 | 0s52 | 21s25 | 0s35 | 19s 7 | 0s21 | 10n51 | 1n 3 | 13s15 | 2n 4 | 23s50 | 0s16 | 16s11 | 1n42 | 17n14 | 16n24 | 7s56 | 8s22 | 18s 6 | 7s33 | 5n44 |
| F 2 | 16 18 | 11 27 | 0 42 | 18 45 | 0 58 | 21 42 | 0 37 | 19 19 | 0 22 | 10 49 | 1 4 | 13 17 | 2 4 | 23 50 | 0 16 | 16 11 | 1 42 | 17 13 | 16 24 | 7 56 | 8 24 | 18 3 | 7 33 | 5 43 |
| S 3 | 16 36 | 5 0 | 0s33 | 19 16 | 1 4 | 21 58 | 0 40 | 19 30 | 0 23 | 10 46 | 1 4 | 13 19 | 2 4 | 23 50 | 0 16 | 16 12 | 1 42 | 17 13 | 16 25 | 7 56 | 8 25 | 18 0 | 7 34 | 5 43 |
| S 4 | 16 54 | 1s39 | 1 46 | 19 45 | 1 9 | 22 14 | 0 42 | 19 41 | 0 23 | 10 43 | 1 4 | 13 21 | 2 4 | 23 50 | 0 16 | 16 12 | 1 42 | 17 13 | 16 25 | 7 56 | 8 26 | 17 57 | 7 34 | 5 43 |
| M 5 | 17 11 | 8 11 | 2 51 | 20 14 | 1 15 | 22 29 | 0 45 | 19 52 | 0 24 | 10 41 | 1 4 | 13 24 | 2 4 | 23 50 | 0 16 | 16 13 | 1 42 | 17 13 | 16 26 | 7 58 | 8 27 | 17 55 | 7 34 | 5 42 |
| T 6 | 17 28 | 14 17 | 3 46 | 20 42 | 1 21 | 22 43 | 0 47 | 20 3 | 0 24 | 10 38 | 1 5 | 13 26 | 2 4 | 23 50 | 0 16 | 16 14 | 1 42 | 17 12 | 16 26 | 8 1 | 8 28 | 17 52 | 7 34 | 5 42 |
| W 7 | 17 45 | 19 35 | 4 27 | 21 9 | 1 26 | 22 56 | 0 49 | 20 14 | 0 25 | 10 36 | 1 5 | 13 28 | 2 4 | 23 50 | 0 16 | 16 14 | 1 42 | 17 12 | 16 27 | 8 4 | 8 29 | 17 49 | 7 35 | 5 41 |
| T 8 | 18 1 | 23 49 | 4 52 | 21 35 | 1 31 | 23 9 | 0 52 | 20 24 | 0 26 | 10 34 | 1 5 | 13 30 | 2 4 | 23 50 | 0 16 | 16 15 | 1 42 | 17 12 | 16 27 | 8 9 | 8 31 | 17 46 | 7 35 | 5 41 |
| F 9 | 18 17 | 26 44 | 5 1 | 22 0 | 1 36 | 23 21 | 0 54 | 20 34 | 0 26 | 10 31 | 1 5 | 13 32 | 2 4 | 23 50 | 0 16 | 16 15 | 1 42 | 17 12 | 16 27 | 8 14 | 8 32 | 17 43 | 7 35 | 5 41 |
| S 10 | 18 33 | 28 10 | 4 55 | 22 24 | 1 41 | 23 33 | 0 56 | 20 45 | 0 27 | 10 29 | 1 6 | 13 34 | 2 4 | 23 50 | 0 16 | 16 16 | 1 42 | 17 12 | 16 28 | 8 18 | 8 33 | 17 41 | 7 35 | 5 40 |
| S 11 | 18 49 | 28 6 | 4 34 | 22 46 | 1 46 | 23 44 | 0 58 | 20 55 | 0 27 | 10 27 | 1 6 | 13 36 | 2 4 | 23 50 | 0 16 | 16 17 | 1 42 | 17 12 | 16 28 | 8 23 | 8 34 | 17 38 | 7 35 | 5 40 |
| M12 | 19 4 | 26 37 | 4 1 | 23 8 | 1 50 | 23 54 | 1 1 | 21 4 | 0 28 | 10 24 | 1 6 | 13 39 | 2 4 | 23 50 | 0 16 | 16 17 | 1 42 | 17 12 | 16 29 | 8 26 | 8 35 | 17 35 | 7 36 | 5 40 |
| T 13 | 19 18 | 23 56 | 3 17 | 23 28 | 1 54 | 24 3 | 1 3 | 21 14 | 0 29 | 10 22 | 1 6 | 13 41 | 2 4 | 23 50 | 0 16 | 16 18 | 1 42 | 17 11 | 16 29 | 8 28 | 8 37 | 17 32 | 7 36 | 5 39 |
| W14 | 19 33 | 20 16 | 2 26 | 23 47 | 1 58 | 24 12 | 1 5 | 21 23 | 0 29 | 10 20 | 1 7 | 13 43 | 2 4 | 23 50 | 0 16 | 16 18 | 1 42 | 17 11 | 16 30 | 8 29 | 8 38 | 17 29 | 7 36 | 5 39 |
| T 15 | 19 47 | 15 49 | 1 28 | 24 5 | 2 1 | 24 20 | 1 7 | 21 32 | 0 30 | 10 18 | 1 7 | 13 45 | 2 4 | 23 51 | 0 16 | 16 19 | 1 42 | 17 11 | 16 30 | 8 30 | 8 39 | 17 26 | 7 36 | 5 39 |
| F 16 | 20 0 | 10 46 | 0 27 | 24 21 | 2 5 | 24 27 | 1 9 | 21 41 | 0 30 | 10 16 | 1 7 | 13 47 | 2 4 | 23 51 | 0 16 | 16 20 | 1 42 | 17 11 | 16 31 | 8 30 | 8 40 | 17 24 | 7 36 | 5 38 |
| S 17 | 20 14 | 5 19 | 0n36 | 24 37 | 2 8 | 24 34 | 1 11 | 21 50 | 0 31 | 10 14 | 1 7 | 13 49 | 2 4 | 23 51 | 0 16 | 16 20 | 1 42 | 17 11 | 16 31 | 8 30 | 8 41 | 17 21 | 7 36 | 5 38 |
| S 18 | 20 26 | 0n26 | 1 39 | 24 50 | 2 10 | 24 39 | 1 13 | 21 58 | 0 31 | 10 13 | 1 8 | 13 51 | 2 4 | 23 51 | 0 16 | 16 21 | 1 42 | 17 11 | 16 32 | 8 30 | 8 43 | 17 18 | 7 36 | 5 37 |
| M19 | 20 39 | 6 16 | 2 38 | 25 3 | 2 13 | 24 44 | 1 15 | 22 7 | 0 32 | 10 11 | 1 8 | 13 53 | 2 4 | 23 51 | 0 16 | 16 21 | 1 42 | 17 11 | 16 33 | 8 32 | 8 44 | 17 15 | 7 36 | 5 37 |
| T 20 | 20 51 | 12 1 | 3 31 | 25 14 | 2 14 | 24 49 | 1 17 | 22 15 | 0 33 | 10 9 | 1 8 | 13 55 | 2 4 | 23 51 | 0 16 | 16 22 | 1 42 | 17 11 | 16 33 | 8 34 | 8 45 | 17 12 | 7 36 | 5 37 |
| W21 | 21 3 | 17 24 | 4 14 | 25 23 | 2 16 | 24 52 | 1 19 | 22 22 | 0 33 | 10 7 | 1 8 | 13 57 | 2 4 | 23 51 | 0 16 | 16 23 | 1 42 | 17 11 | 16 34 | 8 37 | 8 46 | 17 9 | 7 36 | 5 36 |
| T 22 | 21 14 | 22 7 | 4 44 | 25 31 | 2 17 | 24 55 | 1 21 | 22 30 | 0 34 | 10 6 | 1 9 | 13 59 | 2 4 | 23 51 | 0 16 | 16 23 | 1 42 | 17 11 | 16 34 | 8 41 | 8 47 | 17 6 | 7 36 | 5 36 |
| F 23 | 21 25 | 25 44 | 4 59 | 25 37 | 2 17 | 24 57 | 1 22 | 22 37 | 0 34 | 10 4 | 1 9 | 14 1 | 2 4 | 23 51 | 0 16 | 16 24 | 1 42 | 17 11 | 16 35 | 8 46 | 8 49 | 17 4 | 7 36 | 5 36 |
| S 24 | 21 35 | 27 50 | 4 56 | 25 42 | 2 17 | 24 58 | 1 24 | 22 45 | 0 35 | 10 3 | 1 9 | 14 3 | 2 4 | 23 51 | 0 16 | 16 24 | 1 42 | 17 11 | 16 35 | 8 51 | 8 50 | 17 1 | 7 36 | 5 35 |
| S 25 | 21 45 | 28 8 | 4 34 | 25 46 | 2 17 | 24 58 | 1 26 | 22 51 | 0 35 | 10 1 | 1 9 | 14 5 | 2 4 | 23 51 | 0 16 | 16 25 | 1 42 | 17 12 | 16 36 | 8 55 | 8 51 | 16 58 | 7 36 | 5 35 |
| M26 | 21 55 | 26 31 | 3 55 | 25 47 | 2 16 | 24 58 | 1 27 | 22 58 | 0 36 | 10 0 | 1 10 | 14 7 | 2 4 | 23 51 | 0 16 | 16 25 | 1 42 | 17 12 | 16 36 | 8 59 | 8 52 | 16 55 | 7 36 | 5 35 |
| T 27 | 22 4 | 23 8 | 3 0 | 25 47 | 2 14 | 24 57 | 1 29 | 23 5 | 0 36 | 9 59 | 1 10 | 14 9 | 2 4 | 23 51 | 0 16 | 16 26 | 1 42 | 17 12 | 16 37 | 9 1 | 8 53 | 16 52 | 7 35 | 5 34 |
| W28 | 22 13 | 18 21 | 1 54 | 25 46 | 2 12 | 24 55 | 1 30 | 23 11 | 0 37 | 9 57 | 1 10 | 14 11 | 2 4 | 23 51 | 0 16 | 16 26 | 1 42 | 17 12 | 16 37 | 9 2 | 8 54 | 16 49 | 7 35 | 5 34 |
| T 29 | 22 22 | 12 35 | 0 42 | 25 43 | 2 9 | 24 52 | 1 32 | 23 17 | 0 37 | 9 56 | 1 11 | 14 13 | 2 4 | 23 51 | 0 16 | 16 27 | 1 42 | 17 12 | 16 38 | 9 3 | 8 56 | 16 46 | 7 35 | 5 34 |
| F 30 | 22s30 | 6n14 | 0s32 | 25s38 | 2s 5 | 24s49 | 1s33 | 23s22 | 0s38 | 9n55 | 1n11 | 14s15 | 2n 5 | 23s51 | 0s16 | 16s28 | 1n42 | 17n12 | 16n39 | 9s 3 | 8s57 | 16s43 | 7s35 | 5n33 |

Julian Day Number = 2080402.5, Delta T = 25m45s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'40, Lahiri = 9°41'40 Julian Calendar 1 Nov. 983 == Greg. Calendar 6 Nov. 983


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# ASTRODIENST EPHEMERIS for the year 983
# geocentric

## DECEMBER 983 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 57 49 | 14♐ 4'16 | 26♍51 | 3♑22 | 10♑15 | 15♐57 | 7♍30 | 14♏26 | 29♐55 | 21♏ 1 | 25♍ 2 | 6°R50 | 7♓ 4 | 19♒ 8 | 26♒22 | S 1 |
| S 2 | 5 1 46 | 15° 5'26 | 10♎34 | 4°37 | 11°29 | 16°42 | 7°33 | 14°33 | 29°58 | 21° 3 | 25° 2 | 6♓48 | 7° 1 | 19°15 | 26°23 | S 2 |
| M 3 | 5 5 42 | 16° 6'37 | 24° 8 | 5°49 | 12°44 | 17°28 | 7°36 | 14°39 | 0♑ 2 | 21° 5 | 25° 3 | 6°44 | 6°57 | 19°21 | 26°25 | M 3 |
| T 4 | 5 9 39 | 17° 7'49 | 7♏32 | 6°56 | 13°58 | 18°13 | 7°39 | 14°45 | 0° 5 | 21° 7 | 25° 4 | 6°36 | 6°54 | 19°28 | 26°27 | T 4 |
| W 5 | 5 13 36 | 18° 9'02 | 20°45 | 8° 0 | 15°13 | 18°59 | 7°42 | 14°52 | 0° 9 | 21° 9 | 25° 5 | 6°25 | 6°51 | 19°35 | 26°29 | W 5 |
| T 6 | 5 17 32 | 19°10'15 | 3♐47 | 8°58 | 16°27 | 19°45 | 7°44 | 14°58 | 0°12 | 21°12 | 25° 5 | 6°13 | 6°48 | 19°41 | 26°31 | T 6 |
| F 7 | 5 21 29 | 20°11'28 | 16°36 | 9°50 | 17°42 | 20°30 | 7°47 | 15° 4 | 0°16 | 21°14 | 25° 6 | 5°59 | 6°45 | 19°48 | 26°33 | F 7 |
| S 8 | 5 25 25 | 21°12'41 | 29°13 | 10°35 | 18°56 | 21°16 | 7°49 | 15°11 | 0°19 | 21°16 | 25° 6 | 5°46 | 6°41 | 19°55 | 26°35 | S 8 |
| S 9 | 5 29 22 | 22°13'55 | 11♑36 | 11°13 | 20°11 | 22° 2 | 7°51 | 15°17 | 0°23 | 21°18 | 25° 7 | 5°33 | 6°38 | 20° 1 | 26°37 | S 9 |
| M10 | 5 33 18 | 23°15'09 | 23°46 | 11°42 | 21°25 | 22°48 | 7°53 | 15°23 | 0°26 | 21°20 | 25° 7 | 5°24 | 6°35 | 20° 8 | 26°39 | M10 |
| T 11 | 5 37 15 | 24°16'22 | 5♒45 | 12° 2 | 22°40 | 23°34 | 7°54 | 15°29 | 0°30 | 21°22 | 25° 8 | 5°17 | 6°32 | 20°15 | 26°41 | T 11 |
| W12 | 5 41 11 | 25°17'36 | 17°36 | 12°R11 | 23°54 | 24°20 | 7°56 | 15°35 | 0°33 | 21°24 | 25° 8 | 5°13 | 6°29 | 20°21 | 26°43 | W12 |
| T 13 | 5 45 8 | 26°18'49 | 29°23 | 12°10 | 25° 8 | 25° 5 | 7°57 | 15°41 | 0°37 | 21°26 | 25° 9 | 5°11 | 6°26 | 20°28 | 26°46 | T 13 |
| F 14 | 5 49 5 | 27°20'02 | 11♓10 | 11°56 | 26°23 | 25°51 | 7°58 | 15°47 | 0°41 | 21°27 | 25° 9 | 5°D11 | 6°22 | 20°35 | 26°48 | F 14 |
| S 15 | 5 53 1 | 28°21'14 | 23° 2 | 11°31 | 27°37 | 26°38 | 7°59 | 15°53 | 0°44 | 21°29 | 25° 9 | 5°R12 | 6°19 | 20°41 | 26°50 | S 15 |
| S 16 | 5 56 58 | 29°22'26 | 5♈ 6 | 10°54 | 28°51 | 27°24 | 7°59 | 15°59 | 0°48 | 21°31 | 25°10 | 5°12 | 6°16 | 20°48 | 26°53 | S 16 |
| M17 | 6 0 54 | 0♑23'38 | 17°26 | 10° 6 | 0♒ 5 | 28°10 | 8° 0 | 16° 5 | 0°51 | 21°33 | 25°10 | 5°10 | 6°13 | 20°54 | 26°55 | M17 |
| T 18 | 6 4 51 | 1°24'49 | 0♉ 8 | 9° 8 | 1°20 | 28°56 | 8° 0 | 16°10 | 0°55 | 21°35 | 25°10 | 5° 6 | 6°10 | 21° 1 | 26°58 | T 18 |
| W19 | 6 8 47 | 2°26'00 | 13°15 | 8° 1 | 2°34 | 29°42 | 8°R 0 | 16°16 | 0°59 | 21°37 | 25°10 | 5° 0 | 6° 7 | 21° 8 | 27° 0 | W19 |
| T 20 | 6 12 44 | 3°27'10 | 26°50 | 6°47 | 3°48 | 0♑28 | 8° 0 | 16°22 | 1° 2 | 21°39 | 25°10 | 4°52 | 6° 3 | 21°14 | 27° 3 | T 20 |
| F 21 | 6 16 40 | 4°28'20 | 10♊52 | 5°29 | 5° 2 | 1°15 | 7°59 | 16°27 | 1° 6 | 21°40 | 25°10 | 4°42 | 6° 0 | 21°21 | 27° 5 | F 21 |
| S 22 | 6 20 37 | 5°29'30 | 25°18 | 4° 9 | 6°16 | 2° 1 | 7°59 | 16°33 | 1° 9 | 21°42 | 25°10 | 4°32 | 5°57 | 21°28 | 27° 8 | S 22 |
| S 23 | 6 24 34 | 6°30'39 | 10♋ 1 | 2°50 | 7°30 | 2°47 | 7°58 | 16°38 | 1°13 | 21°44 | 25°R10 | 4°22 | 5°54 | 21°34 | 27°11 | S 23 |
| M24 | 6 28 30 | 7°31'48 | 24°54 | 1°34 | 8°44 | 3°33 | 7°57 | 16°43 | 1°16 | 21°46 | 25°10 | 4°15 | 5°51 | 21°41 | 27°13 | M24 |
| T 25 | 6 32 27 | 8°32'56 | 9♌49 | 0°23 | 9°58 | 4°20 | 7°56 | 16°49 | 1°20 | 21°47 | 25°10 | 4°10 | 5°47 | 21°48 | 27°16 | T 25 |
| W26 | 6 36 23 | 9°34'04 | 24°36 | 29♐19 | 11°12 | 5° 6 | 7°55 | 16°54 | 1°24 | 21°49 | 25°10 | 4° 8 | 5°44 | 21°54 | 27°19 | W26 |
| T 27 | 6 40 20 | 10°35'11 | 9♍10 | 28°24 | 12°26 | 5°53 | 7°53 | 16°59 | 1°27 | 21°51 | 25°10 | 4°D 7 | 5°41 | 22° 1 | 27°22 | T 27 |
| F 28 | 6 44 16 | 11°36'19 | 23°27 | 27°37 | 13°39 | 6°39 | 7°52 | 17° 4 | 1°31 | 21°52 | 25°10 | 4° 8 | 5°38 | 22° 8 | 27°25 | F 28 |
| S 29 | 6 48 13 | 12°37'26 | 7♎26 | 27° 0 | 14°53 | 7°26 | 7°50 | 17° 9 | 1°34 | 21°54 | 25°10 | 4°R 9 | 5°35 | 22°14 | 27°28 | S 29 |
| S 30 | 6 52 10 | 13°38'32 | 21° 7 | 26°32 | 16° 7 | 8°12 | 7°48 | 17°14 | 1°38 | 21°55 | 25°10 | 4° 9 | 5°32 | 22°21 | 27°31 | S 30 |
| M31 | 6 56 6 | 14♑39'38 | 4♏30 | 26♐14 | 17♒21 | 8♑59 | 7♍45 | 17♏19 | 1♑41 | 21♏57 | 25♍ 9 | 4♓ 7 | 5♓28 | 22♒28 | 27♒34 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s37 | 0s19 | 1s44 | 25s32 | 2s 0 | 24s45 | 1s34 | 23s28 | 0s39 | 9n54 | 1n11 | 14s17 | 2n 5 | 23s51 | 0s16 | 16s28 | 1n42 | 17n13 | 16n39 | 9s 3 | 8s58 | 16s41 | 7s35 | 5n33 |
| S 2 | 22 44 | 6 47 | 2 48 | 25 24 | 1 55 | 24 40 | 1 36 | 23 33 | 0 39 | 9 53 | 1 11 | 14 18 | 2 5 | 23 51 | 0 16 | 16 29 | 1 42 | 17 13 | 16 40 | 9 4 | 8 59 | 16 38 | 7 34 | 5 33 |
| M 3 | 22 51 | 12 51 | 3 42 | 25 15 | 1 48 | 24 34 | 1 37 | 23 38 | 0 40 | 9 52 | 1 12 | 14 20 | 2 5 | 23 51 | 0 16 | 16 29 | 1 42 | 17 13 | 16 40 | 9 5 | 9 0 | 16 35 | 7 34 | 5 32 |
| T 4 | 22 57 | 18 14 | 4 23 | 25 4 | 1 41 | 24 27 | 1 38 | 23 43 | 0 40 | 9 51 | 1 12 | 14 22 | 2 5 | 23 51 | 0 16 | 16 30 | 1 42 | 17 13 | 16 41 | 9 8 | 9 2 | 16 32 | 7 34 | 5 32 |
| W 5 | 23 2 | 22 41 | 4 50 | 24 52 | 1 32 | 24 20 | 1 39 | 23 47 | 0 41 | 9 51 | 1 12 | 14 24 | 2 5 | 23 51 | 0 16 | 16 30 | 1 42 | 17 13 | 16 41 | 9 12 | 9 3 | 16 29 | 7 33 | 5 32 |
| T 6 | 23 8 | 25 56 | 5 0 | 24 38 | 1 23 | 24 12 | 1 40 | 23 51 | 0 41 | 9 50 | 1 13 | 14 26 | 2 5 | 23 51 | 0 16 | 16 31 | 1 42 | 17 14 | 16 42 | 9 17 | 9 4 | 16 26 | 7 33 | 5 31 |
| F 7 | 23 12 | 27 48 | 4 55 | 24 24 | 1 12 | 24 3 | 1 41 | 23 55 | 0 42 | 9 49 | 1 13 | 14 27 | 2 5 | 23 51 | 0 16 | 16 31 | 1 42 | 17 14 | 16 43 | 9 22 | 9 5 | 16 23 | 7 33 | 5 31 |
| S 8 | 23 17 | 28 10 | 4 36 | 24 9 | 1 0 | 23 54 | 1 41 | 23 59 | 0 42 | 9 49 | 1 13 | 14 29 | 2 5 | 23 51 | 0 16 | 16 32 | 1 42 | 17 14 | 16 43 | 9 27 | 9 6 | 16 20 | 7 32 | 5 31 |
| S 9 | 23 21 | 27 7 | 4 4 | 23 52 | 0 47 | 23 44 | 1 42 | 24 3 | 0 43 | 9 48 | 1 13 | 14 31 | 2 5 | 23 51 | 0 16 | 16 32 | 1 42 | 17 15 | 16 44 | 9 31 | 9 7 | 16 17 | 7 32 | 5 30 |
| M10 | 23 24 | 24 46 | 3 21 | 23 36 | 0 32 | 23 33 | 1 43 | 24 6 | 0 43 | 9 48 | 1 14 | 14 33 | 2 5 | 23 51 | 0 16 | 16 33 | 1 42 | 17 15 | 16 44 | 9 35 | 9 9 | 16 14 | 7 32 | 5 30 |
| T 11 | 23 27 | 21 21 | 2 30 | 23 18 | 0 17 | 23 21 | 1 44 | 24 9 | 0 44 | 9 48 | 1 14 | 14 34 | 2 5 | 23 51 | 0 16 | 16 33 | 1 42 | 17 15 | 16 45 | 9 38 | 9 10 | 16 11 | 7 31 | 5 30 |
| W12 | 23 29 | 17 6 | 1 32 | 23 1 | 0 0 | 23 9 | 1 44 | 24 11 | 0 44 | 9 47 | 1 14 | 14 36 | 2 5 | 23 51 | 0 16 | 16 34 | 1 43 | 17 16 | 16 45 | 9 39 | 9 11 | 16 8 | 7 31 | 5 29 |
| T 13 | 23 31 | 12 14 | 0 31 | 22 43 | 0n18 | 22 56 | 1 45 | 24 14 | 0 45 | 9 47 | 1 15 | 14 38 | 2 6 | 23 51 | 0 16 | 16 34 | 1 43 | 17 16 | 16 46 | 9 40 | 9 12 | 16 6 | 7 30 | 5 29 |
| F 14 | 23 33 | 6 56 | 0n32 | 22 26 | 0 36 | 22 43 | 1 45 | 24 16 | 0 45 | 9 47 | 1 15 | 14 39 | 2 6 | 23 51 | 0 16 | 16 35 | 1 43 | 17 16 | 16 47 | 9 40 | 9 13 | 16 3 | 7 30 | 5 29 |
| S 15 | 23 34 | 1 21 | 1 34 | 22 9 | 0 55 | 22 28 | 1 45 | 24 17 | 0 46 | 9 47 | 1 15 | 14 41 | 2 6 | 23 51 | 0 16 | 16 35 | 1 43 | 17 17 | 16 47 | 9 40 | 9 15 | 16 0 | 7 29 | 5 29 |
| S 16 | 23 34 | 4n22 | 2 33 | 21 53 | 1 15 | 22 13 | 1 45 | 24 19 | 0 46 | 9 47 | 1 15 | 14 42 | 2 6 | 23 51 | 0 16 | 16 36 | 1 43 | 17 17 | 16 48 | 9 40 | 9 16 | 15 57 | 7 29 | 5 28 |
| M17 | 23 34 | 10 3 | 3 26 | 21 37 | 1 34 | 21 58 | 1 46 | 24 20 | 0 47 | 9 47 | 1 16 | 14 44 | 2 6 | 23 51 | 0 16 | 16 36 | 1 43 | 17 18 | 16 48 | 9 40 | 9 17 | 15 54 | 7 28 | 5 28 |
| T 18 | 23 34 | 15 29 | 4 10 | 21 22 | 1 53 | 21 42 | 1 46 | 24 21 | 0 47 | 9 47 | 1 16 | 14 45 | 2 6 | 23 51 | 0 17 | 16 36 | 1 43 | 17 18 | 16 49 | 9 42 | 9 18 | 15 51 | 7 28 | 5 28 |
| W19 | 23 33 | 20 24 | 4 43 | 21 8 | 2 12 | 21 25 | 1 46 | 24 22 | 0 48 | 9 48 | 1 16 | 14 47 | 2 6 | 23 51 | 0 17 | 16 37 | 1 43 | 17 19 | 16 50 | 9 44 | 9 19 | 15 48 | 7 27 | 5 27 |
| T 20 | 23 32 | 24 26 | 5 1 | 20 56 | 2 28 | 21 7 | 1 46 | 24 22 | 0 48 | 9 48 | 1 17 | 14 48 | 2 6 | 23 51 | 0 17 | 16 37 | 1 43 | 17 19 | 16 50 | 9 47 | 9 20 | 15 45 | 7 26 | 5 27 |
| F 21 | 23 30 | 27 11 | 5 3 | 20 44 | 2 43 | 20 49 | 1 45 | 24 23 | 0 48 | 9 48 | 1 17 | 14 50 | 2 6 | 23 51 | 0 17 | 16 38 | 1 43 | 17 20 | 16 51 | 9 51 | 9 22 | 15 42 | 7 26 | 5 27 |
| S 22 | 23 27 | 28 14 | 4 45 | 20 34 | 2 56 | 20 30 | 1 45 | 24 22 | 0 49 | 9 49 | 1 17 | 14 51 | 2 6 | 23 51 | 0 17 | 16 38 | 1 43 | 17 20 | 16 51 | 9 54 | 9 23 | 15 39 | 7 25 | 5 27 |
| S 23 | 23 25 | 27 19 | 4 8 | 20 26 | 3 7 | 20 11 | 1 45 | 24 22 | 0 49 | 9 49 | 1 17 | 14 53 | 2 7 | 23 51 | 0 17 | 16 39 | 1 43 | 17 21 | 16 52 | 9 58 | 9 24 | 15 36 | 7 25 | 5 26 |
| M24 | 23 21 | 24 27 | 3 14 | 20 19 | 3 15 | 19 51 | 1 44 | 24 21 | 0 50 | 9 50 | 1 18 | 14 54 | 2 7 | 23 51 | 0 17 | 16 39 | 1 43 | 17 21 | 16 52 | 10 0 | 9 25 | 15 33 | 7 24 | 5 26 |
| T 25 | 23 18 | 19 55 | 2 7 | 20 14 | 3 21 | 19 31 | 1 44 | 24 20 | 0 50 | 9 51 | 1 18 | 14 56 | 2 7 | 23 51 | 0 17 | 16 39 | 1 43 | 17 22 | 16 53 | 10 2 | 9 26 | 15 30 | 7 23 | 5 26 |
| W26 | 23 14 | 14 12 | 0 51 | 20 10 | 3 24 | 19 10 | 1 43 | 24 19 | 0 51 | 9 52 | 1 18 | 14 57 | 2 7 | 23 51 | 0 17 | 16 40 | 1 43 | 17 22 | 16 54 | 10 3 | 9 27 | 15 27 | 7 22 | 5 25 |
| T 27 | 23 9 | 7 46 | 0s27 | 20 9 | 3 25 | 18 49 | 1 43 | 24 18 | 0 51 | 9 52 | 1 19 | 14 58 | 2 7 | 23 50 | 0 17 | 16 40 | 1 43 | 17 23 | 16 54 | 10 3 | 9 29 | 15 24 | 7 22 | 5 25 |
| F 28 | 23 4 | 1 3 | 1 42 | 20 9 | 3 24 | 18 27 | 1 42 | 24 16 | 0 52 | 9 53 | 1 19 | 15 0 | 2 7 | 23 50 | 0 17 | 16 41 | 1 43 | 17 23 | 16 55 | 10 3 | 9 30 | 15 21 | 7 21 | 5 25 |
| S 29 | 22 58 | 5s33 | 2 49 | 20 12 | 3 21 | 18 4 | 1 41 | 24 14 | 0 52 | 9 54 | 1 19 | 15 1 | 2 7 | 23 50 | 0 17 | 16 41 | 1 43 | 17 24 | 16 55 | 10 2 | 9 31 | 15 18 | 7 20 | 5 25 |
| S 30 | 22 52 | 11 46 | 3 45 | 20 15 | 3 16 | 17 41 | 1 40 | 24 11 | 0 52 | 9 55 | 1 19 | 15 2 | 2 7 | 23 50 | 0 17 | 16 41 | 1 43 | 17 25 | 16 56 | 10 3 | 9 32 | 15 15 | 7 19 | 5 24 |
| M31 | 22s46 | 17s17 | 4s28 | 20s21 | 3n10 | 17s18 | 1s39 | 24s 9 | 0s53 | 9n56 | 1n20 | 15s 3 | 2n 8 | 23s50 | 0s17 | 16s42 | 1n43 | 17n25 | 16n57 | 10s 3 | 9s33 | 15s12 | 7s19 | 5n24 |

Julian Day Number = 2080432.5, Delta T = 25m44s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'44, Lahiri = 9°41'44 Julian Calendar 1 Dec. 983 == Greg. Calendar 6 Dec. 983


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## JANUARY 984 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 0 3 | 15♑40'44 | 17♏38 | 26°R 4 | 18♒34 | 9♑46 | 7°R43 | 17♏24 | 1♑45 | 21♏59 | 25°R 9 | 4°R 3 | 5♓25 | 22♒34 | 27♒37 | T 1 |
| W 2 | 7 3 59 | 16°41'50 | 0♐32 | 26°D 3 | 19°48 | 10°32 | 7♍40 | 17°29 | 1°48 | 22° 0 | 25♍ 9 | 3♓56 | 5°22 | 22°41 | 27°40 | W 2 |
| T 3 | 7 7 56 | 17°42'55 | 13°14 | 26♐10 | 21° 1 | 11°19 | 7°37 | 17°33 | 1°52 | 22° 2 | 25° 9 | 3°48 | 5°19 | 22°48 | 27°43 | T 3 |
| F 4 | 7 11 52 | 18°43'59 | 25°44 | 26°25 | 22°15 | 12° 6 | 7°34 | 17°38 | 1°55 | 22° 3 | 25° 8 | 3°40 | 5°16 | 22°54 | 27°46 | F 4 |
| S 5 | 7 15 49 | 19°45'02 | 8♑ 3 | 26°46 | 23°28 | 12°52 | 7°31 | 17°42 | 1°59 | 22° 4 | 25° 8 | 3°31 | 5°13 | 23° 1 | 27°49 | S 5 |
| S 6 | 7 19 45 | 20°46'05 | 20°12 | 27°13 | 24°42 | 13°39 | 7°28 | 17°47 | 2° 2 | 22° 6 | 25° 7 | 3°23 | 5° 9 | 23° 7 | 27°52 | S 6 |
| M 7 | 7 23 42 | 21°47'06 | 2♒13 | 27°46 | 25°55 | 14°26 | 7°24 | 17°51 | 2° 6 | 22° 7 | 25° 7 | 3°17 | 5° 6 | 23°14 | 27°55 | M 7 |
| T 8 | 7 27 39 | 22°48'07 | 14° 6 | 28°24 | 27° 8 | 15°13 | 7°20 | 17°55 | 2° 9 | 22° 9 | 25° 6 | 3°13 | 5° 3 | 23°21 | 27°59 | T 8 |
| W 9 | 7 31 35 | 23°49'06 | 25°55 | 29° 7 | 28°22 | 15°59 | 7°17 | 18° 0 | 2°12 | 22°10 | 25° 6 | 3°11 | 5° 0 | 23°27 | 28° 2 | W 9 |
| T 10 | 7 35 32 | 24°50'05 | 7♓41 | 29°54 | 29°35 | 16°46 | 7°12 | 18° 4 | 2°16 | 22°11 | 25° 5 | 3°D10 | 4°57 | 23°34 | 28° 5 | T 10 |
| F 11 | 7 39 28 | 25°51'02 | 19°28 | 0♑44 | 0♓48 | 17°33 | 7° 8 | 18° 8 | 2°19 | 22°12 | 25° 5 | 3°12 | 4°53 | 23°41 | 28° 9 | F 11 |
| S 12 | 7 43 25 | 26°51'57 | 1♈20 | 1°39 | 2° 1 | 18°20 | 7° 4 | 18°12 | 2°22 | 22°14 | 25° 4 | 3°13 | 4°50 | 23°47 | 28°12 | S 12 |
| S 13 | 7 47 21 | 27°52'51 | 13°23 | 2°36 | 3°14 | 19° 7 | 6°59 | 18°16 | 2°26 | 22°15 | 25° 3 | 3°15 | 4°47 | 23°54 | 28°15 | S 13 |
| M14 | 7 51 18 | 28°53'44 | 25°40 | 3°36 | 4°27 | 19°54 | 6°54 | 18°19 | 2°29 | 22°16 | 25° 2 | 3°R16 | 4°44 | 24° 1 | 28°19 | M14 |
| T 15 | 7 55 14 | 29°54'36 | 8♉17 | 4°39 | 5°40 | 20°41 | 6°50 | 18°23 | 2°32 | 22°17 | 25° 2 | 3°16 | 4°41 | 24° 7 | 28°22 | T 15 |
| W16 | 7 59 11 | 0♒55'26 | 21°18 | 5°45 | 6°52 | 21°28 | 6°44 | 18°27 | 2°36 | 22°18 | 25° 1 | 3°14 | 4°38 | 24°14 | 28°26 | W16 |
| T 17 | 8 3 8 | 1°56'14 | 4♊47 | 6°52 | 8° 5 | 22°15 | 6°39 | 18°30 | 2°39 | 22°19 | 25° 0 | 3°11 | 4°34 | 24°21 | 28°29 | T 17 |
| F 18 | 8 7 4 | 2°57'01 | 18°44 | 8° 2 | 9°18 | 23° 2 | 6°34 | 18°34 | 2°42 | 22°20 | 24°59 | 3° 7 | 4°31 | 24°27 | 28°33 | F 18 |
| S 19 | 8 11 1 | 3°57'46 | 3♋ 9 | 9°13 | 10°30 | 23°49 | 6°28 | 18°37 | 2°45 | 22°21 | 24°58 | 3° 2 | 4°28 | 24°34 | 28°36 | S 19 |
| S 20 | 8 14 57 | 4°58'30 | 17°58 | 10°27 | 11°43 | 24°36 | 6°23 | 18°40 | 2°49 | 22°22 | 24°58 | 2°58 | 4°25 | 24°41 | 28°40 | S 20 |
| M21 | 8 18 54 | 5°59'13 | 3♌ 2 | 11°42 | 12°55 | 25°23 | 6°17 | 18°44 | 2°52 | 22°23 | 24°57 | 2°55 | 4°22 | 24°47 | 28°43 | M21 |
| T 22 | 8 22 50 | 6°59'54 | 18°13 | 12°58 | 14° 7 | 26°10 | 6°11 | 18°47 | 2°55 | 22°24 | 24°56 | 2°53 | 4°19 | 24°54 | 28°47 | T 22 |
| W23 | 8 26 47 | 8° 0'33 | 3♍22 | 14°16 | 15°19 | 26°57 | 6° 5 | 18°50 | 2°58 | 22°25 | 24°55 | 2°D52 | 4°15 | 25° 1 | 28°51 | W23 |
| T 24 | 8 30 43 | 9° 1'11 | 18°18 | 15°36 | 16°32 | 27°44 | 5°59 | 18°53 | 3° 1 | 22°26 | 24°54 | 2°53 | 4°12 | 25° 7 | 28°54 | T 24 |
| F 25 | 8 34 40 | 10° 1'48 | 2♎56 | 16°57 | 17°44 | 28°31 | 5°52 | 18°56 | 3° 4 | 22°27 | 24°53 | 2°54 | 4° 9 | 25°14 | 28°58 | F 25 |
| S 26 | 8 38 37 | 11° 2'23 | 17°11 | 18°19 | 18°56 | 29°18 | 5°46 | 18°58 | 3° 7 | 22°28 | 24°52 | 2°55 | 4° 6 | 25°20 | 29° 2 | S 26 |
| S 27 | 8 42 33 | 12° 2'58 | 1♏ 2 | 19°42 | 20° 7 | 0♒ 6 | 5°39 | 19° 1 | 3°10 | 22°28 | 24°51 | 2°56 | 4° 3 | 25°27 | 29° 5 | S 27 |
| M28 | 8 46 30 | 13° 3'31 | 14°29 | 21° 6 | 21°19 | 0°53 | 5°33 | 19° 3 | 3°13 | 22°29 | 24°49 | 2°R57 | 3°59 | 25°34 | 29° 9 | M28 |
| T 29 | 8 50 26 | 14° 4'03 | 27°33 | 22°32 | 22°31 | 1°40 | 5°26 | 19° 6 | 3°16 | 22°30 | 24°48 | 2°56 | 3°56 | 25°40 | 29°13 | T 29 |
| W30 | 8 54 23 | 15° 4'33 | 10♐19 | 23°59 | 23°42 | 2°27 | 5°19 | 19° 8 | 3°19 | 22°30 | 24°47 | 2°55 | 3°53 | 25°47 | 29°16 | W30 |
| T 31 | 8 58 19 | 16♒ 5'02 | 22♐48 | 25♑26 | 24♓54 | 3♒14 | 5♍12 | 19♏11 | 3♑22 | 22♏31 | 24♍46 | 2♓53 | 3♓50 | 25♒54 | 29♒20 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s39 | 21s54 | 4s55 | 20s28 | 3n 3 | 16s54 | 1s38 | 24s 6 | 0s53 | 9n58 | 1n20 | 15s 5 | 2n 8 | 23s50 | 0s17 | 16s42 | 1n43 | 17n26 | 16n57 | 10s 5 | 9s35 | 15s 9 | 7s18 | 5n24 |
| W 2 | 22 31 | 25 23 | 5 7 | 20 35 | 2 56 | 16 30 | 1 37 | 24 3 | 0 54 | 9 59 | 1 20 | 15 6 | 2 8 | 23 50 | 0 17 | 16 42 | 1 43 | 17 26 | 16 58 | 10 7 | 9 36 | 15 6 | 7 17 | 5 24 |
| T 3 | 22 24 | 27 32 | 5 4 | 20 44 | 2 47 | 16 5 | 1 36 | 23 59 | 0 54 | 10 0 | 1 21 | 15 7 | 2 8 | 23 50 | 0 17 | 16 43 | 1 43 | 17 27 | 16 58 | 10 10 | 9 37 | 15 3 | 7 16 | 5 24 |
| F 4 | 22 15 | 28 16 | 4 46 | 20 54 | 2 38 | 15 40 | 1 35 | 23 55 | 0 55 | 10 2 | 1 21 | 15 8 | 2 8 | 23 50 | 0 17 | 16 43 | 1 43 | 17 28 | 16 59 | 10 13 | 9 38 | 15 0 | 7 15 | 5 23 |
| S 5 | 22 7 | 27 33 | 4 14 | 21 4 | 2 28 | 15 14 | 1 33 | 23 51 | 0 55 | 10 3 | 1 21 | 15 9 | 2 8 | 23 50 | 0 17 | 16 43 | 1 43 | 17 28 | 16 59 | 10 16 | 9 39 | 14 57 | 7 14 | 5 23 |
| S 6 | 21 58 | 25 32 | 3 32 | 21 14 | 2 18 | 14 48 | 1 32 | 23 47 | 0 55 | 10 4 | 1 21 | 15 10 | 2 8 | 23 50 | 0 17 | 16 44 | 1 43 | 17 29 | 17 0 | 10 19 | 9 40 | 14 54 | 7 14 | 5 23 |
| M 7 | 21 48 | 22 22 | 2 40 | 21 25 | 2 8 | 14 22 | 1 30 | 23 43 | 0 56 | 10 6 | 1 22 | 15 11 | 2 9 | 23 50 | 0 17 | 16 44 | 1 43 | 17 30 | 17 0 | 10 22 | 9 42 | 14 51 | 7 13 | 5 23 |
| T 8 | 21 38 | 18 19 | 1 42 | 21 36 | 1 58 | 13 55 | 1 29 | 23 38 | 0 56 | 10 8 | 1 22 | 15 12 | 2 9 | 23 50 | 0 17 | 16 44 | 1 44 | 17 31 | 17 1 | 10 23 | 9 43 | 14 48 | 7 12 | 5 22 |
| W 9 | 21 28 | 13 34 | 0 39 | 21 47 | 1 47 | 13 28 | 1 27 | 23 33 | 0 56 | 10 9 | 1 22 | 15 13 | 2 9 | 23 50 | 0 17 | 16 45 | 1 44 | 17 31 | 17 1 | 10 24 | 9 44 | 14 45 | 7 11 | 5 22 |
| T 10 | 21 17 | 8 21 | 0n25 | 21 57 | 1 37 | 13 1 | 1 25 | 23 27 | 0 57 | 10 11 | 1 22 | 15 14 | 2 9 | 23 50 | 0 17 | 16 45 | 1 44 | 17 32 | 17 2 | 10 24 | 9 45 | 14 42 | 7 10 | 5 22 |
| F 11 | 21 6 | 2 51 | 1 28 | 22 7 | 1 27 | 12 33 | 1 23 | 23 22 | 0 57 | 10 13 | 1 23 | 15 15 | 2 9 | 23 50 | 0 17 | 16 45 | 1 44 | 17 33 | 17 3 | 10 23 | 9 46 | 14 39 | 7 9 | 5 22 |
| S 12 | 20 54 | 2n48 | 2 28 | 22 17 | 1 17 | 12 5 | 1 21 | 23 16 | 0 58 | 10 15 | 1 23 | 15 16 | 2 9 | 23 50 | 0 17 | 16 45 | 1 44 | 17 33 | 17 3 | 10 23 | 9 47 | 14 36 | 7 8 | 5 22 |
| S 13 | 20 42 | 8 24 | 3 22 | 22 26 | 1 6 | 11 36 | 1 19 | 23 9 | 0 58 | 10 17 | 1 23 | 15 17 | 2 10 | 23 50 | 0 17 | 16 46 | 1 44 | 17 34 | 17 4 | 10 22 | 9 49 | 14 33 | 7 7 | 5 21 |
| M14 | 20 30 | 13 49 | 4 8 | 22 35 | 0 56 | 11 8 | 1 17 | 23 3 | 0 58 | 10 19 | 1 23 | 15 18 | 2 10 | 23 50 | 0 17 | 16 46 | 1 44 | 17 35 | 17 4 | 10 22 | 9 50 | 14 30 | 7 6 | 5 21 |
| T 15 | 20 17 | 18 49 | 4 44 | 22 43 | 0 46 | 10 39 | 1 15 | 22 56 | 0 59 | 10 21 | 1 24 | 15 19 | 2 10 | 23 50 | 0 17 | 16 46 | 1 44 | 17 36 | 17 5 | 10 22 | 9 51 | 14 27 | 7 5 | 5 21 |
| W16 | 20 4 | 23 6 | 5 6 | 22 50 | 0 37 | 10 10 | 1 13 | 22 49 | 0 59 | 10 23 | 1 24 | 15 20 | 2 10 | 23 50 | 0 17 | 16 46 | 1 44 | 17 36 | 17 5 | 10 23 | 9 52 | 14 24 | 7 4 | 5 21 |
| T 17 | 19 50 | 26 20 | 5 13 | 22 56 | 0 27 | 9 40 | 1 10 | 22 42 | 0 59 | 10 25 | 1 24 | 15 21 | 2 10 | 23 50 | 0 17 | 16 47 | 1 44 | 17 37 | 17 6 | 10 24 | 9 53 | 14 21 | 7 3 | 5 21 |
| F 18 | 19 36 | 28 6 | 5 2 | 23 2 | 0 18 | 9 10 | 1 8 | 22 34 | 1 0 | 10 27 | 1 24 | 15 21 | 2 10 | 23 50 | 0 17 | 16 47 | 1 44 | 17 38 | 17 6 | 10 25 | 9 54 | 14 18 | 7 2 | 5 21 |
| S 19 | 19 22 | 28 3 | 4 31 | 23 6 | 0 9 | 8 41 | 1 5 | 22 27 | 1 0 | 10 30 | 1 25 | 15 22 | 2 11 | 23 50 | 0 17 | 16 47 | 1 44 | 17 39 | 17 7 | 10 27 | 9 56 | 14 15 | 7 1 | 5 20 |
| S 20 | 19 8 | 26 2 | 3 42 | 23 10 | 0s 0 | 8 11 | 1 3 | 22 19 | 1 0 | 10 32 | 1 25 | 15 23 | 2 11 | 23 49 | 0 17 | 16 47 | 1 44 | 17 40 | 17 7 | 10 28 | 9 57 | 14 11 | 7 0 | 5 20 |
| M21 | 18 53 | 22 8 | 2 37 | 23 12 | 0 9 | 7 40 | 1 0 | 22 10 | 1 0 | 10 34 | 1 25 | 15 24 | 2 11 | 23 49 | 0 17 | 16 47 | 1 44 | 17 40 | 17 8 | 10 30 | 9 58 | 14 8 | 6 59 | 5 20 |
| T 22 | 18 38 | 16 43 | 1 20 | 23 13 | 0 17 | 7 10 | 0 57 | 22 2 | 1 1 | 10 37 | 1 25 | 15 24 | 2 11 | 23 49 | 0 17 | 16 48 | 1 44 | 17 41 | 17 8 | 10 30 | 9 59 | 14 5 | 6 58 | 5 20 |
| W23 | 18 22 | 10 17 | 0s 3 | 23 13 | 0 25 | 6 39 | 0 55 | 21 53 | 1 1 | 10 39 | 1 25 | 15 25 | 2 11 | 23 49 | 0 17 | 16 48 | 1 44 | 17 42 | 17 8 | 10 31 | 10 0 | 14 2 | 6 56 | 5 20 |
| T 24 | 18 6 | 3 22 | 1 24 | 23 12 | 0 33 | 6 8 | 0 52 | 21 44 | 1 1 | 10 42 | 1 26 | 15 26 | 2 11 | 23 49 | 0 17 | 16 48 | 1 44 | 17 43 | 17 9 | 10 30 | 10 1 | 13 59 | 6 55 | 5 20 |
| F 25 | 17 50 | 3s36 | 2 38 | 23 10 | 0 41 | 5 37 | 0 49 | 21 35 | 1 2 | 10 44 | 1 26 | 15 26 | 2 12 | 23 49 | 0 17 | 16 48 | 1 44 | 17 44 | 17 9 | 10 30 | 10 3 | 13 56 | 6 54 | 5 20 |
| S 26 | 17 33 | 10 11 | 3 41 | 23 7 | 0 48 | 5 6 | 0 46 | 21 25 | 1 2 | 10 47 | 1 26 | 15 27 | 2 12 | 23 49 | 0 17 | 16 48 | 1 44 | 17 44 | 17 10 | 10 29 | 10 4 | 13 53 | 6 53 | 5 19 |
| S 27 | 17 17 | 16 5 | 4 28 | 23 2 | 0 55 | 4 35 | 0 43 | 21 15 | 1 2 | 10 49 | 1 26 | 15 27 | 2 12 | 23 49 | 0 17 | 16 48 | 1 44 | 17 45 | 17 10 | 10 29 | 10 5 | 13 50 | 6 52 | 5 19 |
| M28 | 16 59 | 21 2 | 5 0 | 22 56 | 1 2 | 4 4 | 0 40 | 21 5 | 1 2 | 10 52 | 1 26 | 15 28 | 2 12 | 23 49 | 0 17 | 16 49 | 1 45 | 17 46 | 17 11 | 10 29 | 10 6 | 13 47 | 6 51 | 5 19 |
| T 29 | 16 42 | 24 49 | 5 15 | 22 48 | 1 9 | 3 33 | 0 36 | 20 55 | 1 3 | 10 55 | 1 27 | 15 28 | 2 12 | 23 49 | 0 17 | 16 49 | 1 45 | 17 47 | 17 11 | 10 29 | 10 7 | 13 44 | 6 50 | 5 19 |
| W30 | 16 24 | 27 17 | 5 13 | 22 40 | 1 15 | 3 1 | 0 33 | 20 45 | 1 3 | 10 57 | 1 27 | 15 29 | 2 13 | 23 49 | 0 17 | 16 49 | 1 45 | 17 48 | 17 11 | 10 30 | 10 8 | 13 41 | 6 48 | 5 19 |
| T 31 | 16s 6 | 28s19 | 4s57 | 22s30 | 1s21 | 2s30 | 0s30 | 20s34 | 1s 3 | 11n 0 | 1n27 | 15s29 | 2n13 | 23s49 | 0s17 | 16s49 | 1n45 | 17n49 | 17n12 | 10s30 | 10s 9 | 13s38 | 6s47 | 5n19 |

Julian Day Number = 2080463.5, Delta T = 25m44s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'48, Lahiri = 9°41'49 Julian Calendar 1 Jan. 984 == Greg. Calendar 6 Jan. 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## FEBRUARY 984 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 2 16 | 17♒ 5'30 | 5♉ 4 | 26♉55 | 26♓ 5 | 4♒ 1 | 5°R 5 | 19♏13 | 3♉25 | 22♏32 | 24°R45 | 2°R50 | 3♓47 | 26♒ 0 | 29♒24 | F 1 |
| S 2 | 9 6 12 | 18° 5'56 | 17°10 | 28°25 | 27°16 | 4°49 | 4♍58 | 19°15 | 3°27 | 22°32 | 24♍44 | 2♓48 | 3°44 | 26° 7 | 29°28 | S 2 |
| S 3 | 9 10 9 | 19° 6'21 | 29° 8 | 29°56 | 28°28 | 5°36 | 4°51 | 19°17 | 3°30 | 22°33 | 24°42 | 2°45 | 3°40 | 26°14 | 29°31 | S 3 |
| M 4 | 9 14 6 | 20° 6'43 | 11♒ 0 | 1♒28 | 29°39 | 6°23 | 4°43 | 19°19 | 3°33 | 22°33 | 24°41 | 2°44 | 3°37 | 26°20 | 29°35 | M 4 |
| T 5 | 9 18 2 | 21° 7'05 | 22°48 | 3° 1 | 0♈50 | 7°10 | 4°36 | 19°20 | 3°36 | 22°34 | 24°40 | 2°43 | 3°34 | 26°27 | 29°39 | T 5 |
| W 6 | 9 21 59 | 22° 7'24 | 4♓35 | 4°35 | 2° 0 | 7°57 | 4°29 | 19°22 | 3°38 | 22°34 | 24°38 | 2°D43 | 3°31 | 26°34 | 29°43 | W 6 |
| T 7 | 9 25 55 | 23° 7'41 | 16°23 | 6°10 | 3°11 | 8°45 | 4°21 | 19°24 | 3°41 | 22°34 | 24°37 | 2°43 | 3°28 | 26°40 | 29°46 | T 7 |
| F 8 | 9 29 52 | 24° 7'57 | 28°14 | 7°46 | 4°22 | 9°32 | 4°13 | 19°25 | 3°44 | 22°35 | 24°36 | 2°44 | 3°25 | 26°47 | 29°50 | F 8 |
| S 9 | 9 33 48 | 25° 8'10 | 10♈11 | 9°23 | 5°32 | 10°19 | 4° 6 | 19°27 | 3°46 | 22°35 | 24°34 | 2°45 | 3°21 | 26°53 | 29°54 | S 9 |
| S 10 | 9 37 45 | 26° 8'22 | 22°17 | 11° 1 | 6°43 | 11° 6 | 3°58 | 19°28 | 3°49 | 22°35 | 24°33 | 2°46 | 3°18 | 27° 0 | 29°58 | S 10 |
| M11 | 9 41 41 | 27° 8'31 | 4♉36 | 12°40 | 7°53 | 11°53 | 3°50 | 19°29 | 3°51 | 22°36 | 24°32 | 2°46 | 3°15 | 27° 7 | 0♓ 2 | M11 |
| T 12 | 9 45 38 | 28° 8'38 | 17°12 | 14°20 | 9° 3 | 12°41 | 3°43 | 19°30 | 3°54 | 22°36 | 24°30 | 2°46 | 3°12 | 27°13 | 0° 5 | T 12 |
| W13 | 9 49 35 | 29° 8'44 | 0♊ 8 | 16° 1 | 10°13 | 13°28 | 3°35 | 19°31 | 3°56 | 22°36 | 24°29 | 2°R47 | 3° 9 | 27°20 | 0° 9 | W13 |
| T 14 | 9 53 31 | 0♓ 8'47 | 13°28 | 17°43 | 11°23 | 14°15 | 3°27 | 19°32 | 3°58 | 22°36 | 24°27 | 2°46 | 3° 5 | 27°27 | 0°13 | T 14 |
| F 15 | 9 57 28 | 1° 8'48 | 27°14 | 19°27 | 12°32 | 15° 2 | 3°19 | 19°33 | 4° 1 | 22°36 | 24°26 | 2°46 | 3° 2 | 27°33 | 0°17 | F 15 |
| S 16 | 10 1 24 | 2° 8'46 | 11♋26 | 21°11 | 13°42 | 15°49 | 3°11 | 19°33 | 4° 3 | 22°36 | 24°24 | 2°46 | 2°59 | 27°40 | 0°21 | S 16 |
| S 17 | 10 5 21 | 3° 8'43 | 26° 3 | 22°57 | 14°51 | 16°37 | 3° 4 | 19°34 | 4° 5 | 22°36 | 24°23 | 2°D46 | 2°56 | 27°47 | 0°24 | S 17 |
| M18 | 10 9 17 | 4° 8'37 | 11♌ 0 | 24°43 | 16° 1 | 17°24 | 2°56 | 19°34 | 4° 7 | 22°R36 | 24°21 | 2°46 | 2°53 | 27°53 | 0°28 | M18 |
| T 19 | 10 13 14 | 5° 8'29 | 26° 9 | 26°31 | 17°10 | 18°11 | 2°48 | 19°35 | 4°10 | 22°36 | 24°20 | 2°R46 | 2°50 | 28° 0 | 0°32 | T 19 |
| W20 | 10 17 10 | 6° 8'18 | 11♍23 | 28°20 | 18°18 | 18°58 | 2°40 | 19°35 | 4°12 | 22°36 | 24°18 | 2°46 | 2°46 | 28° 7 | 0°36 | W20 |
| T 21 | 10 21 7 | 7° 8'06 | 26°31 | 0♓11 | 19°27 | 19°45 | 2°32 | 19°35 | 4°14 | 22°36 | 24°17 | 2°46 | 2°43 | 28°13 | 0°40 | T 21 |
| F 22 | 10 25 4 | 8° 7'52 | 11♎24 | 2° 2 | 20°36 | 20°32 | 2°25 | 19°R35 | 4°16 | 22°36 | 24°15 | 2°46 | 2°40 | 28°20 | 0°43 | F 22 |
| S 23 | 10 29 0 | 9° 7'36 | 25°55 | 3°54 | 21°44 | 21°20 | 2°17 | 19°35 | 4°18 | 22°36 | 24°13 | 2°45 | 2°37 | 28°27 | 0°47 | S 23 |
| S 24 | 10 32 57 | 10° 7'19 | 10♏ 0 | 5°48 | 22°52 | 22° 7 | 2° 9 | 19°35 | 4°20 | 22°36 | 24°12 | 2°44 | 2°34 | 28°33 | 0°51 | S 24 |
| M25 | 10 36 53 | 11° 6'59 | 23°37 | 7°43 | 24° 0 | 22°54 | 2° 2 | 19°35 | 4°22 | 22°36 | 24°10 | 2°44 | 2°30 | 28°40 | 0°55 | M25 |
| T 26 | 10 40 50 | 12° 6'38 | 6♐47 | 9°39 | 25° 8 | 23°41 | 1°54 | 19°35 | 4°24 | 22°35 | 24° 9 | 2°D43 | 2°27 | 28°46 | 0°58 | T 26 |
| W27 | 10 44 46 | 13° 6'15 | 19°34 | 11°36 | 26°16 | 24°28 | 1°46 | 19°34 | 4°25 | 22°35 | 24° 7 | 2°43 | 2°24 | 28°53 | 1° 2 | W27 |
| T 28 | 10 48 43 | 14° 5'51 | 2♉ 0 | 13°34 | 27°23 | 25°15 | 1°39 | 19°34 | 4°27 | 22°35 | 24° 5 | 2°44 | 2°21 | 29° 0 | 1° 6 | T 28 |
| F 29 | 10 52 39 | 15♓ 5'24 | 14♉11 | 15♓33 | 28♈31 | 26♒ 2 | 1♍31 | 19♏33 | 4♉29 | 22♏34 | 24♍ 4 | 2♓45 | 2♓18 | 29♒ 6 | 1♓10 | F 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s48 | 27s56 | 4s28 | 22s18 | 1s26 | 1s58 | 0s26 | 20s23 | 1s 3 | 11n 3 | 1n27 | 15s30 | 2n13 | 23s49 | 0s17 | 16s49 | 1n45 | 17n49 | 17n12 | 10s31 | 10s11 | 13s35 | 6s46 | 5n19 |
| S 2 | 15 29 | 26 12 | 3 46 | 22 5 | 1 32 | 1 26 | 0 23 | 20 12 | 1 4 | 11 6 | 1 27 | 15 30 | 2 13 | 23 49 | 0 17 | 16 49 | 1 45 | 17 50 | 17 13 | 10 32 | 10 12 | 13 32 | 6 45 | 5 19 |
| S 3 | 15 11 | 23 19 | 2 56 | 21 51 | 1 37 | 0 55 | 0 19 | 20 1 | 1 4 | 11 9 | 1 27 | 15 30 | 2 13 | 23 49 | 0 17 | 16 49 | 1 45 | 17 51 | 17 13 | 10 33 | 10 13 | 13 28 | 6 44 | 5 19 |
| M 4 | 14 52 | 19 27 | 1 58 | 21 35 | 1 41 | 0 23 | 0 16 | 19 49 | 1 4 | 11 11 | 1 28 | 15 31 | 2 13 | 23 49 | 0 17 | 16 49 | 1 45 | 17 52 | 17 13 | 10 33 | 10 14 | 13 25 | 6 42 | 5 19 |
| T 5 | 14 32 | 14 51 | 0 55 | 21 18 | 1 46 | 0n 9 | 0 12 | 19 37 | 1 4 | 11 14 | 1 28 | 15 31 | 2 14 | 23 49 | 0 17 | 16 49 | 1 45 | 17 53 | 17 14 | 10 34 | 10 15 | 13 22 | 6 41 | 5 18 |
| W 6 | 14 13 | 9 43 | 0n10 | 21 0 | 1 50 | 0 40 | 0 9 | 19 25 | 1 5 | 11 17 | 1 28 | 15 31 | 2 14 | 23 49 | 0 17 | 16 49 | 1 45 | 17 54 | 17 14 | 10 34 | 10 16 | 13 19 | 6 40 | 5 18 |
| T 7 | 13 53 | 4 15 | 1 15 | 20 40 | 1 53 | 1 12 | 0 5 | 19 13 | 1 5 | 11 20 | 1 28 | 15 32 | 2 14 | 23 48 | 0 17 | 16 49 | 1 45 | 17 54 | 17 14 | 10 34 | 10 18 | 13 16 | 6 39 | 5 18 |
| F 8 | 13 33 | 1n23 | 2 17 | 20 18 | 1 56 | 1 44 | 0 1 | 19 1 | 1 5 | 11 23 | 1 28 | 15 32 | 2 14 | 23 48 | 0 17 | 16 49 | 1 45 | 17 55 | 17 15 | 10 33 | 10 19 | 13 13 | 6 37 | 5 18 |
| S 9 | 13 13 | 7 1 | 3 14 | 19 55 | 1 59 | 2 15 | 0n 3 | 18 48 | 1 5 | 11 26 | 1 28 | 15 32 | 2 14 | 23 48 | 0 17 | 16 49 | 1 45 | 17 56 | 17 15 | 10 33 | 10 20 | 13 10 | 6 36 | 5 18 |
| S 10 | 12 52 | 12 28 | 4 2 | 19 31 | 2 2 | 2 47 | 0 7 | 18 35 | 1 5 | 11 29 | 1 28 | 15 32 | 2 15 | 23 48 | 0 17 | 16 49 | 1 45 | 17 57 | 17 15 | 10 33 | 10 21 | 13 7 | 6 35 | 5 18 |
| M11 | 12 32 | 17 31 | 4 40 | 19 5 | 2 4 | 3 18 | 0 10 | 18 22 | 1 6 | 11 32 | 1 29 | 15 32 | 2 15 | 23 48 | 0 17 | 16 49 | 1 45 | 17 58 | 17 16 | 10 33 | 10 22 | 13 4 | 6 34 | 5 18 |
| T 12 | 12 11 | 21 57 | 5 6 | 18 37 | 2 6 | 3 50 | 0 14 | 18 9 | 1 6 | 11 35 | 1 29 | 15 32 | 2 15 | 23 48 | 0 17 | 16 49 | 1 45 | 17 59 | 17 16 | 10 33 | 10 23 | 13 0 | 6 32 | 5 18 |
| W13 | 11 50 | 25 28 | 5 18 | 18 8 | 2 7 | 4 21 | 0 18 | 17 55 | 1 6 | 11 38 | 1 29 | 15 32 | 2 15 | 23 48 | 0 17 | 16 49 | 1 45 | 18 0 | 17 16 | 10 33 | 10 25 | 12 57 | 6 31 | 5 18 |
| T 14 | 11 29 | 27 43 | 5 12 | 17 38 | 2 8 | 4 52 | 0 22 | 17 42 | 1 6 | 11 40 | 1 29 | 15 32 | 2 15 | 23 48 | 0 17 | 16 49 | 1 45 | 18 0 | 17 17 | 10 33 | 10 26 | 12 54 | 6 30 | 5 18 |
| F 15 | 11 8 | 28 22 | 4 50 | 17 6 | 2 8 | 5 23 | 0 27 | 17 28 | 1 6 | 11 43 | 1 29 | 15 33 | 2 16 | 23 48 | 0 17 | 16 49 | 1 46 | 18 1 | 17 17 | 10 33 | 10 27 | 12 51 | 6 29 | 5 18 |
| S 16 | 10 46 | 27 12 | 4 9 | 16 32 | 2 8 | 5 54 | 0 31 | 17 14 | 1 6 | 11 46 | 1 29 | 15 33 | 2 16 | 23 48 | 0 17 | 16 49 | 1 46 | 18 2 | 17 17 | 10 33 | 10 28 | 12 48 | 6 27 | 5 18 |
| S 17 | 10 24 | 24 10 | 3 10 | 15 57 | 2 8 | 6 25 | 0 35 | 17 0 | 1 6 | 11 49 | 1 29 | 15 32 | 2 16 | 23 48 | 0 17 | 16 49 | 1 46 | 18 3 | 17 17 | 10 33 | 10 29 | 12 45 | 6 26 | 5 18 |
| M18 | 10 3 | 19 28 | 1 58 | 15 21 | 2 7 | 6 56 | 0 39 | 16 46 | 1 7 | 11 52 | 1 29 | 15 32 | 2 16 | 23 48 | 0 17 | 16 49 | 1 46 | 18 4 | 17 18 | 10 33 | 10 30 | 12 42 | 6 25 | 5 18 |
| T 19 | 9 41 | 13 27 | 0 37 | 14 43 | 2 5 | 7 26 | 0 43 | 16 31 | 1 7 | 11 55 | 1 29 | 15 32 | 2 16 | 23 48 | 0 17 | 16 49 | 1 46 | 18 5 | 17 18 | 10 33 | 10 31 | 12 39 | 6 23 | 5 18 |
| W20 | 9 19 | 6 36 | 0s48 | 14 3 | 2 4 | 7 57 | 0 47 | 16 17 | 1 7 | 11 58 | 1 29 | 15 32 | 2 16 | 23 48 | 0 17 | 16 49 | 1 46 | 18 5 | 17 18 | 10 33 | 10 33 | 12 35 | 6 22 | 5 18 |
| T 21 | 8 56 | 0s34 | 2 8 | 13 22 | 2 1 | 8 27 | 0 51 | 16 2 | 1 7 | 12 1 | 1 29 | 15 32 | 2 17 | 23 48 | 0 17 | 16 49 | 1 46 | 18 6 | 17 18 | 10 33 | 10 34 | 12 32 | 6 21 | 5 18 |
| F 22 | 8 34 | 7 35 | 3 19 | 12 39 | 1 58 | 8 57 | 0 56 | 15 47 | 1 7 | 12 4 | 1 29 | 15 32 | 2 17 | 23 48 | 0 18 | 16 49 | 1 46 | 18 7 | 17 19 | 10 33 | 10 35 | 12 29 | 6 19 | 5 18 |
| S 23 | 8 12 | 14 1 | 4 15 | 11 55 | 1 55 | 9 27 | 1 0 | 15 32 | 1 7 | 12 6 | 1 29 | 15 32 | 2 17 | 23 48 | 0 18 | 16 49 | 1 46 | 18 8 | 17 19 | 10 33 | 10 36 | 12 26 | 6 18 | 5 18 |
| S 24 | 7 49 | 19 31 | 4 53 | 11 9 | 1 51 | 9 56 | 1 4 | 15 16 | 1 7 | 12 9 | 1 29 | 15 32 | 2 17 | 23 48 | 0 18 | 16 49 | 1 46 | 18 9 | 17 19 | 10 33 | 10 37 | 12 23 | 6 17 | 5 18 |
| M25 | 7 26 | 23 50 | 5 14 | 10 22 | 1 47 | 10 26 | 1 9 | 15 1 | 1 7 | 12 12 | 1 29 | 15 31 | 2 17 | 23 48 | 0 18 | 16 49 | 1 46 | 18 9 | 17 19 | 10 34 | 10 38 | 12 20 | 6 15 | 5 18 |
| T 26 | 7 3 | 26 46 | 5 17 | 9 34 | 1 42 | 10 55 | 1 13 | 14 46 | 1 7 | 12 15 | 1 29 | 15 31 | 2 18 | 23 48 | 0 18 | 16 49 | 1 46 | 18 10 | 17 19 | 10 34 | 10 39 | 12 17 | 6 14 | 5 18 |
| W27 | 6 40 | 28 13 | 5 4 | 8 44 | 1 36 | 11 24 | 1 17 | 14 30 | 1 7 | 12 18 | 1 29 | 15 31 | 2 18 | 23 48 | 0 18 | 16 49 | 1 46 | 18 11 | 17 19 | 10 34 | 10 41 | 12 13 | 6 13 | 5 18 |
| T 28 | 6 17 | 28 11 | 4 37 | 7 53 | 1 30 | 11 52 | 1 22 | 14 14 | 1 7 | 12 20 | 1 29 | 15 30 | 2 18 | 23 47 | 0 18 | 16 48 | 1 46 | 18 12 | 17 20 | 10 34 | 10 42 | 12 10 | 6 11 | 5 18 |
| F 29 | 5s54 | 26s46 | 3s58 | 7s 0 | 1s23 | 12n21 | 1n26 | 13s58 | 1s 7 | 12n23 | 1n29 | 15s30 | 2n18 | 23s47 | 0s18 | 16s48 | 1n46 | 18n13 | 17n20 | 10s33 | 10s43 | 12s 7 | 6s10 | 5n18 |

Julian Day Number = 2080494.5, Delta T = 25m43s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'52, Lahiri = 9°41'53 Julian Calendar 1 Feb. 984 == Greg. Calendar 6 Feb. 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## MARCH 984 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 56 36 | 16♓ 4'56 | 26♑10 | 17♓32 | 29♈38 | 26♒49 | 1°R24 | 19°R32 | 4♑31 | 22°R34 | 24°R 2 | 2♓46 | 2♓15 | 29♒13 | 1♓13 | S 1 |
| S 2 | 11 0 33 | 17° 4'26 | 8♒ 1 | 19°33 | 0♉45 | 27°36 | 1♍17 | 19♏31 | 4°32 | 22♏34 | 24♍ 0 | 2°47 | 2°11 | 29°20 | 1°17 | S 2 |
| M 3 | 11 4 29 | 18° 3'53 | 19°48 | 21°34 | 1°51 | 28°23 | 1° 9 | 19°31 | 4°34 | 22°33 | 23°59 | 2°48 | 2° 8 | 29°26 | 1°21 | M 3 |
| T 4 | 11 8 26 | 19° 3'19 | 1♓34 | 23°36 | 2°58 | 29°10 | 1° 2 | 19°30 | 4°35 | 22°33 | 23°57 | 2°R49 | 2° 5 | 29°33 | 1°24 | T 4 |
| W 5 | 11 12 22 | 20° 2'43 | 13°23 | 25°38 | 4° 4 | 29°57 | 0°55 | 19°28 | 4°37 | 22°32 | 23°55 | 2°48 | 2° 2 | 29°40 | 1°28 | W 5 |
| T 6 | 11 16 19 | 21° 2'05 | 25°15 | 27°40 | 5°10 | 0♓44 | 0°48 | 19°27 | 4°38 | 22°32 | 23°54 | 2°47 | 1°59 | 29°46 | 1°32 | T 6 |
| F 7 | 11 20 15 | 22° 1'24 | 7♈14 | 29°42 | 6°16 | 1°31 | 0°41 | 19°26 | 4°40 | 22°31 | 23°52 | 2°45 | 1°56 | 29°53 | 1°35 | F 7 |
| S 8 | 11 24 12 | 23° 0'41 | 19°21 | 1♈43 | 7°22 | 2°18 | 0°34 | 19°24 | 4°41 | 22°30 | 23°50 | 2°42 | 1°52 | 29°59 | 1°39 | S 8 |
| S 9 | 11 28 8 | 23°59'57 | 1♉39 | 3°43 | 8°27 | 3° 5 | 0°28 | 19°23 | 4°43 | 22°30 | 23°49 | 2°38 | 1°49 | 0♓ 6 | 1°42 | S 9 |
| M10 | 11 32 5 | 24°59'10 | 14° 8 | 5°43 | 9°32 | 3°52 | 0°21 | 19°21 | 4°44 | 22°29 | 23°47 | 2°35 | 1°46 | 0°13 | 1°46 | M10 |
| T 11 | 11 36 2 | 25°58'20 | 26°51 | 7°41 | 10°37 | 4°39 | 0°15 | 19°20 | 4°45 | 22°29 | 23°45 | 2°32 | 1°43 | 0°19 | 1°49 | T 11 |
| W12 | 11 39 58 | 26°57'29 | 9♊50 | 9°37 | 11°42 | 5°26 | 0° 8 | 19°18 | 4°46 | 22°28 | 23°44 | 2°30 | 1°40 | 0°26 | 1°53 | W12 |
| T 13 | 11 43 55 | 27°56'35 | 23° 7 | 11°31 | 12°46 | 6°13 | 0° 2 | 19°16 | 4°47 | 22°27 | 23°42 | 2°D29 | 1°36 | 0°33 | 1°57 | T 13 |
| F 14 | 11 47 51 | 28°55'39 | 6♋44 | 13°22 | 13°50 | 6°59 | 29♌56 | 19°14 | 4°48 | 22°26 | 23°41 | 2°29 | 1°33 | 0°39 | 2° 0 | F 14 |
| S 15 | 11 51 48 | 29°54'40 | 20°42 | 15°10 | 14°54 | 7°46 | 29°50 | 19°12 | 4°49 | 22°25 | 23°39 | 2°30 | 1°30 | 0°46 | 2° 3 | S 15 |
| S 16 | 11 55 44 | 0♈53'39 | 5♌ 1 | 16°55 | 15°57 | 8°33 | 29°44 | 19°10 | 4°50 | 22°25 | 23°37 | 2°31 | 1°27 | 0°53 | 2° 7 | S 16 |
| M17 | 11 59 41 | 1°52'35 | 19°39 | 18°36 | 17° 0 | 9°20 | 29°38 | 19° 8 | 4°51 | 22°24 | 23°36 | 2°33 | 1°24 | 0°59 | 2°10 | M17 |
| T 18 | 12 3 37 | 2°51'30 | 4♍32 | 20°13 | 18° 3 | 10° 6 | 29°33 | 19° 5 | 4°52 | 22°23 | 23°34 | 2°R33 | 1°21 | 1° 6 | 2°14 | T 18 |
| W19 | 12 7 34 | 3°50'21 | 19°32 | 21°45 | 19° 6 | 10°53 | 29°27 | 19° 3 | 4°53 | 22°22 | 23°32 | 2°32 | 1°17 | 1°13 | 2°17 | W19 |
| T 20 | 12 11 31 | 4°49'11 | 4♎33 | 23°13 | 20° 8 | 11°40 | 29°22 | 19° 0 | 4°54 | 22°21 | 23°31 | 2°30 | 1°14 | 1°19 | 2°20 | T 20 |
| F 21 | 12 15 27 | 5°47'59 | 19°25 | 24°36 | 21°10 | 12°26 | 29°17 | 18°58 | 4°54 | 22°20 | 23°29 | 2°26 | 1°11 | 1°26 | 2°24 | F 21 |
| S 22 | 12 19 24 | 6°46'44 | 4♏ 1 | 25°54 | 22°11 | 13°13 | 29°12 | 18°55 | 4°55 | 22°19 | 23°27 | 2°21 | 1° 8 | 1°33 | 2°27 | S 22 |
| S 23 | 12 23 20 | 7°45'28 | 18°13 | 27° 7 | 23°12 | 13°59 | 29° 7 | 18°52 | 4°56 | 22°18 | 23°26 | 2°15 | 1° 5 | 1°39 | 2°30 | S 23 |
| M24 | 12 27 17 | 8°44'11 | 1♐58 | 28°14 | 24°13 | 14°46 | 29° 2 | 18°50 | 4°56 | 22°17 | 23°24 | 2°10 | 1° 2 | 1°46 | 2°33 | M24 |
| T 25 | 12 31 13 | 9°42'51 | 15°16 | 29°15 | 25°13 | 15°32 | 28°58 | 18°47 | 4°57 | 22°16 | 23°23 | 2° 6 | 0°58 | 1°53 | 2°37 | T 25 |
| W26 | 12 35 10 | 10°41'30 | 28° 8 | 0♉11 | 26°13 | 16°19 | 28°54 | 18°44 | 4°57 | 22°15 | 23°21 | 2° 4 | 0°55 | 1°59 | 2°40 | W26 |
| T 27 | 12 39 6 | 11°40'07 | 10♑37 | 1° 1 | 27°13 | 17° 5 | 28°49 | 18°41 | 4°58 | 22°14 | 23°19 | 2°D 3 | 0°52 | 2° 6 | 2°43 | T 27 |
| F 28 | 12 43 3 | 12°38'42 | 22°47 | 1°46 | 28°12 | 17°52 | 28°45 | 18°38 | 4°58 | 22°13 | 23°18 | 2° 4 | 0°49 | 2°12 | 2°46 | F 28 |
| S 29 | 12 46 59 | 13°37'15 | 4♒45 | 2°24 | 29°11 | 18°38 | 28°41 | 18°34 | 4°58 | 22°11 | 23°16 | 2° 5 | 0°46 | 2°19 | 2°49 | S 29 |
| S 30 | 12 50 56 | 14°35'47 | 16°34 | 2°56 | 0♊ 9 | 19°25 | 28°38 | 18°31 | 4°59 | 22°10 | 23°15 | 2° 6 | 0°42 | 2°26 | 2°52 | S 30 |
| M31 | 12 54 53 | 15♈34'17 | 28♒21 | 3♉22 | 1♊ 7 | 20♓11 | 28♌34 | 18♏28 | 4♑59 | 22♏ 9 | 23♍13 | 2°R 7 | 0♓39 | 2♓32 | 2♓55 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s31 | 24s 8 | 3s10 | 6s 7 | 1s16 | 12n49 | 1n30 | 13s42 | 1s 7 | 12n26 | 1n29 | 15s30 | 2n18 | 23s47 | 0s18 | 16s48 | 1n46 | 18n13 | 17n20 | 10s33 | 10s44 | 12s 4 | 6s 9 | 5n18 |
| S 2 | 5 8 | 20 31 | 2 13 | 5 12 | 1 8 | 13 16 | 1 35 | 13 26 | 1 7 | 12 28 | 1 29 | 15 29 | 2 18 | 23 47 | 0 18 | 16 48 | 1 46 | 18 14 | 17 20 | 10 32 | 10 45 | 12 1 | 6 7 | 5 18 |
| M 3 | 4 45 | 16 5 | 1 12 | 4 17 | 1 0 | 13 44 | 1 39 | 13 9 | 1 7 | 12 31 | 1 29 | 15 29 | 2 19 | 23 47 | 0 18 | 16 48 | 1 46 | 18 15 | 17 20 | 10 32 | 10 46 | 11 58 | 6 6 | 5 18 |
| T 4 | 4 21 | 11 5 | 0 7 | 3 20 | 0 51 | 14 11 | 1 43 | 12 53 | 1 8 | 12 33 | 1 29 | 15 28 | 2 19 | 23 47 | 0 18 | 16 48 | 1 47 | 18 16 | 17 20 | 10 32 | 10 47 | 11 54 | 6 5 | 5 18 |
| W 5 | 3 58 | 5 41 | 0n58 | 2 23 | 0 42 | 14 38 | 1 48 | 12 36 | 1 8 | 12 36 | 1 29 | 15 28 | 2 19 | 23 47 | 0 18 | 16 47 | 1 47 | 18 16 | 17 20 | 10 32 | 10 49 | 11 51 | 6 3 | 5 18 |
| T 6 | 3 34 | 0 3 | 2 1 | 1 25 | 0 32 | 15 4 | 1 52 | 12 19 | 1 8 | 12 38 | 1 29 | 15 28 | 2 19 | 23 47 | 0 18 | 16 47 | 1 47 | 18 17 | 17 20 | 10 32 | 10 50 | 11 48 | 6 2 | 5 18 |
| F 7 | 3 11 | 5n37 | 2 59 | 0 27 | 0 22 | 15 31 | 1 56 | 12 3 | 1 8 | 12 41 | 1 29 | 15 27 | 2 19 | 23 47 | 0 18 | 16 47 | 1 47 | 18 18 | 17 20 | 10 33 | 10 51 | 11 45 | 6 1 | 5 18 |
| S 8 | 2 47 | 11 9 | 3 49 | 0n31 | 0 11 | 15 56 | 2 0 | 11 46 | 1 7 | 12 43 | 1 29 | 15 26 | 2 20 | 23 47 | 0 18 | 16 47 | 1 47 | 18 18 | 17 20 | 10 34 | 10 52 | 11 42 | 5 59 | 5 18 |
| S 9 | 2 24 | 16 20 | 4 30 | 1 29 | 0n 0 | 16 22 | 2 5 | 11 29 | 1 7 | 12 45 | 1 29 | 15 26 | 2 20 | 23 47 | 0 18 | 16 47 | 1 47 | 18 19 | 17 20 | 10 35 | 10 53 | 11 39 | 5 58 | 5 18 |
| M10 | 2 0 | 20 55 | 4 59 | 2 28 | 0 12 | 16 47 | 2 9 | 11 11 | 1 7 | 12 48 | 1 29 | 15 25 | 2 20 | 23 47 | 0 18 | 16 46 | 1 47 | 18 20 | 17 20 | 10 37 | 10 54 | 11 35 | 5 57 | 5 19 |
| T 11 | 1 37 | 24 38 | 5 13 | 3 25 | 0 23 | 17 12 | 2 13 | 10 54 | 1 7 | 12 50 | 1 29 | 15 25 | 2 20 | 23 47 | 0 18 | 16 46 | 1 47 | 18 21 | 17 20 | 10 38 | 10 55 | 11 32 | 5 55 | 5 19 |
| W12 | 1 13 | 27 11 | 5 12 | 4 22 | 0 35 | 17 36 | 2 17 | 10 37 | 1 7 | 12 52 | 1 29 | 15 24 | 2 20 | 23 47 | 0 18 | 16 46 | 1 47 | 18 21 | 17 20 | 10 39 | 10 57 | 11 29 | 5 54 | 5 19 |
| T 13 | 0 49 | 28 18 | 4 55 | 5 18 | 0 47 | 18 0 | 2 21 | 10 19 | 1 7 | 12 54 | 1 29 | 15 23 | 2 20 | 23 47 | 0 18 | 16 46 | 1 47 | 18 22 | 17 20 | 10 39 | 10 58 | 11 26 | 5 53 | 5 19 |
| F 14 | 0 26 | 27 44 | 4 20 | 6 12 | 0 59 | 18 24 | 2 26 | 10 2 | 1 7 | 12 56 | 1 29 | 15 23 | 2 20 | 23 47 | 0 18 | 16 45 | 1 47 | 18 23 | 17 20 | 10 39 | 10 59 | 11 23 | 5 51 | 5 19 |
| S 15 | 0 2 | 25 26 | 3 30 | 7 5 | 1 10 | 18 47 | 2 30 | 9 44 | 1 7 | 12 58 | 1 28 | 15 22 | 2 21 | 23 47 | 0 18 | 16 45 | 1 47 | 18 23 | 17 20 | 10 39 | 11 0 | 11 19 | 5 50 | 5 19 |
| S 16 | 0n21 | 21 28 | 2 26 | 7 56 | 1 22 | 19 9 | 2 34 | 9 27 | 1 7 | 13 0 | 1 28 | 15 21 | 2 21 | 23 47 | 0 18 | 16 45 | 1 47 | 18 24 | 17 20 | 10 38 | 11 1 | 11 16 | 5 49 | 5 19 |
| M17 | 0 45 | 16 7 | 1 10 | 8 46 | 1 33 | 19 32 | 2 38 | 9 9 | 1 7 | 13 2 | 1 28 | 15 21 | 2 21 | 23 47 | 0 18 | 16 45 | 1 47 | 18 24 | 17 20 | 10 38 | 11 2 | 11 13 | 5 47 | 5 19 |
| T 18 | 1 9 | 9 44 | 0s11 | 9 33 | 1 44 | 19 53 | 2 42 | 8 51 | 1 7 | 13 4 | 1 28 | 15 20 | 2 21 | 23 47 | 0 18 | 16 44 | 1 47 | 18 25 | 17 20 | 10 37 | 11 3 | 11 10 | 5 46 | 5 19 |
| W19 | 1 32 | 2 45 | 1 32 | 10 18 | 1 55 | 20 15 | 2 46 | 8 33 | 1 7 | 13 6 | 1 28 | 15 19 | 2 21 | 23 47 | 0 18 | 16 44 | 1 47 | 18 26 | 17 20 | 10 38 | 11 5 | 11 7 | 5 45 | 5 19 |
| T 20 | 1 56 | 4s22 | 2 46 | 11 0 | 2 5 | 20 35 | 2 49 | 8 15 | 1 7 | 13 8 | 1 28 | 15 18 | 2 21 | 23 47 | 0 18 | 16 44 | 1 47 | 18 26 | 17 20 | 10 39 | 11 6 | 11 3 | 5 44 | 5 20 |
| F 21 | 2 19 | 11 10 | 3 49 | 11 40 | 2 14 | 20 56 | 2 53 | 7 57 | 1 7 | 13 9 | 1 28 | 15 17 | 2 21 | 23 47 | 0 18 | 16 44 | 1 47 | 18 27 | 17 20 | 10 40 | 11 7 | 11 0 | 5 42 | 5 20 |
| S 22 | 2 42 | 17 14 | 4 35 | 12 17 | 2 23 | 21 16 | 2 57 | 7 39 | 1 6 | 13 11 | 1 28 | 15 17 | 2 22 | 23 47 | 0 18 | 16 43 | 1 47 | 18 27 | 17 20 | 10 42 | 11 8 | 10 57 | 5 41 | 5 20 |
| S 23 | 3 6 | 22 11 | 5 2 | 12 51 | 2 31 | 21 35 | 3 1 | 7 21 | 1 6 | 13 13 | 1 28 | 15 16 | 2 22 | 23 47 | 0 18 | 16 43 | 1 47 | 18 28 | 17 20 | 10 44 | 11 9 | 10 54 | 5 40 | 5 20 |
| M24 | 3 29 | 25 45 | 5 12 | 13 22 | 2 39 | 21 54 | 3 4 | 7 3 | 1 6 | 13 14 | 1 27 | 15 15 | 2 22 | 23 47 | 0 18 | 16 43 | 1 47 | 18 28 | 17 20 | 10 46 | 11 10 | 10 51 | 5 38 | 5 20 |
| T 25 | 3 52 | 27 47 | 5 4 | 13 50 | 2 45 | 22 13 | 3 8 | 6 45 | 1 6 | 13 16 | 1 27 | 15 14 | 2 22 | 23 47 | 0 18 | 16 42 | 1 47 | 18 29 | 17 20 | 10 47 | 11 11 | 10 47 | 5 37 | 5 20 |
| W26 | 4 15 | 28 14 | 4 40 | 14 15 | 2 50 | 22 31 | 3 11 | 6 26 | 1 6 | 13 17 | 1 27 | 15 13 | 2 22 | 23 47 | 0 18 | 16 42 | 1 48 | 18 29 | 17 20 | 10 48 | 11 13 | 10 44 | 5 36 | 5 20 |
| T 27 | 4 38 | 27 12 | 4 4 | 14 37 | 2 55 | 22 48 | 3 15 | 6 8 | 1 6 | 13 18 | 1 27 | 15 12 | 2 22 | 23 47 | 0 18 | 16 42 | 1 48 | 18 30 | 17 19 | 10 48 | 11 14 | 10 41 | 5 35 | 5 20 |
| F 28 | 5 1 | 24 53 | 3 18 | 14 56 | 2 58 | 23 5 | 3 18 | 5 50 | 1 6 | 13 20 | 1 27 | 15 11 | 2 22 | 23 47 | 0 18 | 16 41 | 1 48 | 18 30 | 17 19 | 10 48 | 11 15 | 10 38 | 5 33 | 5 21 |
| S 29 | 5 24 | 21 30 | 2 23 | 15 12 | 3 1 | 23 21 | 3 21 | 5 31 | 1 5 | 13 21 | 1 27 | 15 10 | 2 22 | 23 47 | 0 18 | 16 41 | 1 48 | 18 31 | 17 19 | 10 48 | 11 16 | 10 35 | 5 32 | 5 21 |
| S 30 | 5 47 | 17 17 | 1 24 | 15 24 | 3 2 | 23 37 | 3 24 | 5 13 | 1 5 | 13 22 | 1 27 | 15 9 | 2 23 | 23 47 | 0 18 | 16 41 | 1 48 | 18 31 | 17 19 | 10 47 | 11 17 | 10 31 | 5 31 | 5 21 |
| M31 | 6n10 | 12s26 | 0s21 | 15n33 | 3n 2 | 23n52 | 3n27 | 4s54 | 1s 5 | 13n23 | 1n26 | 15s 8 | 2n23 | 23s47 | 0s18 | 16s40 | 1n48 | 18n32 | 17n19 | 10s47 | 11s18 | 10s28 | 5s30 | 5n21 |

Julian Day Number = 2080523.5, Delta T = 25m43s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°34'56, Lahiri = 9°41'57 Julian Calendar 1 March 984 == Greg. Calendar 6 March 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## APRIL 984 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 58 49 | 16♈32'45 | 10♓ 8 | 3♉43 | 2♊ 4 | 20♓57 | 28°R31 | 18°R25 | 4♑59 | 22°R 8 | 23°R12 | 2°R 7 | 0♓36 | 2♓39 | 2♓58 | T 1 |
| W 2 | 13 2 46 | 17°31'12 | 22° 0 | 3°57 | 3° 1 | 21°43 | 28♌28 | 18♏21 | 4°59 | 22♏ 7 | 23♍10 | 2♓ 5 | 0°33 | 2°46 | 3° 1 | W 2 |
| T 3 | 13 6 42 | 18°29'36 | 4♈ 0 | 4° 5 | 3°57 | 22°30 | 28°25 | 18°18 | 4°59 | 22° 5 | 23° 9 | 2° 1 | 0°30 | 2°52 | 3° 4 | T 3 |
| F 4 | 13 10 39 | 19°27'59 | 16°10 | 4°R 8 | 4°53 | 23°16 | 28°22 | 18°14 | 4°R59 | 22° 4 | 23° 7 | 1°54 | 0°27 | 2°59 | 3° 7 | F 4 |
| S 5 | 13 14 35 | 20°26'20 | 28°32 | 4° 5 | 5°48 | 24° 2 | 28°19 | 18°10 | 4°59 | 22° 3 | 23° 6 | 1°47 | 0°23 | 3° 6 | 3°10 | S 5 |
| S 6 | 13 18 32 | 21°24'39 | 11♉ 5 | 3°57 | 6°43 | 24°48 | 28°17 | 18° 7 | 4°59 | 22° 1 | 23° 5 | 1°38 | 0°20 | 3°12 | 3°13 | S 6 |
| M 7 | 13 22 28 | 22°22'56 | 23°52 | 3°43 | 7°37 | 25°34 | 28°14 | 18° 3 | 4°59 | 22° 0 | 23° 3 | 1°29 | 0°17 | 3°19 | 3°15 | M 7 |
| T 8 | 13 26 25 | 23°21'12 | 6♊51 | 3°25 | 8°31 | 26°20 | 28°12 | 17°59 | 4°59 | 21°59 | 23° 2 | 1°20 | 0°14 | 3°26 | 3°18 | T 8 |
| W 9 | 13 30 22 | 24°19'25 | 20° 3 | 3° 2 | 9°24 | 27° 6 | 28°10 | 17°55 | 4°58 | 21°57 | 23° 0 | 1°14 | 0°11 | 3°32 | 3°21 | W 9 |
| T 10 | 13 34 18 | 25°17'36 | 3♋27 | 2°36 | 10°16 | 27°52 | 28° 9 | 17°51 | 4°58 | 21°56 | 22°59 | 1°10 | 0° 7 | 3°39 | 3°23 | T 10 |
| F 11 | 13 38 15 | 26°15'45 | 17° 6 | 2° 6 | 11° 8 | 28°38 | 28° 7 | 17°47 | 4°58 | 21°55 | 22°58 | 1° 7 | 0° 4 | 3°45 | 3°26 | F 11 |
| S 12 | 13 42 11 | 27°13'53 | 0♌58 | 1°33 | 11°59 | 29°24 | 28° 6 | 17°43 | 4°57 | 21°53 | 22°56 | 1°D 7 | 0° 1 | 3°52 | 3°29 | S 12 |
| S 13 | 13 46 8 | 28°11'58 | 15° 4 | 0°59 | 12°49 | 0♈ 9 | 28° 5 | 17°39 | 4°57 | 21°52 | 22°55 | 1° 8 | 29♒58 | 3°59 | 3°31 | S 13 |
| M14 | 13 50 4 | 29°10'01 | 29°23 | 0°22 | 13°39 | 0°55 | 28° 3 | 17°35 | 4°56 | 21°50 | 22°54 | 1°R 8 | 29°55 | 4° 5 | 3°34 | M14 |
| T 15 | 13 54 1 | 0♉ 8'02 | 13♍53 | 29♈45 | 14°27 | 1°41 | 28° 3 | 17°31 | 4°56 | 21°49 | 22°53 | 1° 8 | 29°52 | 4°12 | 3°36 | T 15 |
| W16 | 13 57 57 | 1° 6'01 | 28°31 | 29° 7 | 15°15 | 2°26 | 28° 2 | 17°27 | 4°55 | 21°47 | 22°51 | 1° 5 | 29°48 | 4°19 | 3°38 | W16 |
| T 17 | 14 1 54 | 2° 3'58 | 13♎11 | 28°30 | 16° 2 | 3°12 | 28° 2 | 17°23 | 4°55 | 21°46 | 22°50 | 1° 0 | 29°45 | 4°25 | 3°41 | T 17 |
| F 18 | 14 5 51 | 3° 1'53 | 27°47 | 27°54 | 16°49 | 3°58 | 28° 1 | 17°19 | 4°54 | 21°44 | 22°49 | 0°52 | 29°42 | 4°32 | 3°43 | F 18 |
| S 19 | 14 9 47 | 3°59'47 | 12♏11 | 27°19 | 17°34 | 4°43 | 28°D 1 | 17°14 | 4°53 | 21°43 | 22°48 | 0°43 | 29°39 | 4°39 | 3°45 | S 19 |
| S 20 | 14 13 44 | 4°57'40 | 26°16 | 26°47 | 18°18 | 5°28 | 28° 1 | 17°10 | 4°52 | 21°41 | 22°47 | 0°33 | 29°36 | 4°45 | 3°48 | S 20 |
| M21 | 14 17 40 | 5°55'31 | 10♐ 0 | 26°18 | 19° 2 | 6°14 | 28° 2 | 17° 6 | 4°52 | 21°40 | 22°46 | 0°23 | 29°33 | 4°52 | 3°50 | M21 |
| T 22 | 14 21 37 | 6°53'20 | 23°18 | 25°52 | 19°44 | 6°59 | 28° 2 | 17° 2 | 4°51 | 21°38 | 22°44 | 0°15 | 29°29 | 4°59 | 3°52 | T 22 |
| W23 | 14 25 33 | 7°51'09 | 6♑12 | 25°29 | 20°26 | 7°45 | 28° 3 | 16°57 | 4°50 | 21°37 | 22°43 | 0° 8 | 29°26 | 5° 5 | 3°54 | W23 |
| T 24 | 14 29 30 | 8°48'56 | 18°43 | 25°10 | 21° 6 | 8°30 | 28° 3 | 16°53 | 4°49 | 21°35 | 22°42 | 0° 4 | 29°23 | 5°12 | 3°56 | T 24 |
| F 25 | 14 33 26 | 9°46'42 | 0♒55 | 24°56 | 21°45 | 9°15 | 28° 4 | 16°48 | 4°48 | 21°33 | 22°41 | 0° 2 | 29°20 | 5°19 | 3°58 | F 25 |
| S 26 | 14 37 23 | 10°44'26 | 12°54 | 24°46 | 22°23 | 10° 0 | 28° 6 | 16°44 | 4°47 | 21°32 | 22°40 | 0°D 2 | 29°17 | 5°25 | 4° 0 | S 26 |
| S 27 | 14 41 20 | 11°42'10 | 24°45 | 24°40 | 23° 0 | 10°45 | 28° 7 | 16°40 | 4°46 | 21°30 | 22°39 | 0°R 2 | 29°13 | 5°32 | 4° 2 | S 27 |
| M28 | 14 45 16 | 12°39'52 | 6♓32 | 24°D38 | 23°36 | 11°31 | 28° 8 | 16°35 | 4°44 | 21°29 | 22°39 | 0° 2 | 29°10 | 5°38 | 4° 4 | M28 |
| T 29 | 14 49 13 | 13°37'33 | 18°22 | 24°42 | 24°10 | 12°16 | 28°10 | 16°31 | 4°43 | 21°27 | 22°38 | 0° 1 | 29° 7 | 5°45 | 4° 6 | T 29 |
| W30 | 14 53 9 | 14♉35'13 | 0♈18 | 24♈49 | 24♊43 | 13♈ 1 | 28♌12 | 16♏26 | 4♑42 | 21♏26 | 22♍37 | 29♒57 | 29♒ 4 | 5♓52 | 4♓ 7 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n32 | 7s 9 | 0n43 | 15n39 | 3n 1 | 24n 7 | 3n30 | 4s36 | 1s 5 | 13n24 | 1n26 | 15s 7 | 2n23 | 23s47 | 0s18 | 16s40 | 1n48 | 18n32 | 17n19 | 10s47 | 11s19 | 10s25 | 5s29 | 5n21 |
| W 2 | 6 55 | 1 34 | 1 46 | 15 42 | 2 58 | 24 22 | 3 33 | 4 17 | 1 5 | 13 25 | 1 26 | 15 6 | 2 23 | 23 47 | 0 18 | 16 40 | 1 48 | 18 33 | 17 18 | 10 47 | 11 20 | 10 22 | 5 27 | 5 21 |
| T 3 | 7 17 | 4n 6 | 2 44 | 15 41 | 2 54 | 24 35 | 3 36 | 3 59 | 1 4 | 13 26 | 1 26 | 15 5 | 2 23 | 23 47 | 0 18 | 16 39 | 1 48 | 18 33 | 17 18 | 10 49 | 11 22 | 10 18 | 5 26 | 5 22 |
| F 4 | 7 40 | 9 42 | 3 35 | 15 37 | 2 49 | 24 48 | 3 38 | 3 40 | 1 4 | 13 27 | 1 26 | 15 4 | 2 23 | 23 47 | 0 18 | 16 39 | 1 48 | 18 33 | 17 18 | 10 51 | 11 23 | 10 15 | 5 25 | 5 22 |
| S 5 | 8 2 | 15 0 | 4 17 | 15 30 | 2 42 | 25 1 | 3 41 | 3 22 | 1 4 | 13 28 | 1 26 | 15 3 | 2 23 | 23 47 | 0 19 | 16 39 | 1 48 | 18 34 | 17 18 | 10 54 | 11 24 | 10 12 | 5 24 | 5 22 |
| S 6 | 8 24 | 19 47 | 4 47 | 15 19 | 2 35 | 25 13 | 3 43 | 3 3 | 1 4 | 13 28 | 1 25 | 15 2 | 2 23 | 23 47 | 0 19 | 16 38 | 1 48 | 18 34 | 17 17 | 10 57 | 11 25 | 10 9 | 5 23 | 5 22 |
| M 7 | 8 46 | 23 45 | 5 4 | 15 6 | 2 25 | 25 25 | 3 46 | 2 45 | 1 4 | 13 29 | 1 25 | 15 1 | 2 23 | 23 47 | 0 19 | 16 38 | 1 48 | 18 35 | 17 17 | 11 1 | 11 26 | 10 6 | 5 21 | 5 22 |
| T 8 | 9 7 | 26 35 | 5 5 | 14 50 | 2 15 | 25 36 | 3 48 | 2 26 | 1 3 | 13 30 | 1 25 | 15 0 | 2 23 | 23 47 | 0 19 | 16 38 | 1 48 | 18 35 | 17 17 | 11 3 | 11 27 | 10 2 | 5 20 | 5 23 |
| W 9 | 9 29 | 28 1 | 4 50 | 14 32 | 2 3 | 25 46 | 3 50 | 2 7 | 1 3 | 13 30 | 1 25 | 14 58 | 2 23 | 23 47 | 0 19 | 16 37 | 1 48 | 18 35 | 17 17 | 11 6 | 11 28 | 9 59 | 5 19 | 5 23 |
| T 10 | 9 50 | 27 51 | 4 20 | 14 10 | 1 51 | 25 56 | 3 52 | 1 49 | 1 3 | 13 31 | 1 25 | 14 57 | 2 23 | 23 47 | 0 19 | 16 37 | 1 48 | 18 35 | 17 16 | 11 7 | 11 29 | 9 56 | 5 18 | 5 23 |
| F 11 | 10 12 | 26 0 | 3 34 | 13 47 | 1 37 | 26 5 | 3 53 | 1 30 | 1 3 | 13 31 | 1 25 | 14 56 | 2 23 | 23 47 | 0 19 | 16 36 | 1 48 | 18 36 | 17 16 | 11 8 | 11 31 | 9 53 | 5 17 | 5 23 |
| S 12 | 10 33 | 22 34 | 2 35 | 13 22 | 1 22 | 26 14 | 3 55 | 1 12 | 1 2 | 13 31 | 1 24 | 14 55 | 2 24 | 23 47 | 0 19 | 16 36 | 1 48 | 18 36 | 17 16 | 11 8 | 11 32 | 9 49 | 5 16 | 5 23 |
| S 13 | 10 54 | 17 46 | 1 25 | 12 55 | 1 6 | 26 22 | 3 56 | 0 53 | 1 2 | 13 31 | 1 24 | 14 54 | 2 24 | 23 47 | 0 19 | 16 36 | 1 48 | 18 36 | 17 16 | 11 8 | 11 33 | 9 46 | 5 15 | 5 24 |
| M14 | 11 14 | 11 54 | 0 9 | 12 27 | 0 50 | 26 30 | 3 58 | 0 35 | 1 2 | 13 32 | 1 24 | 14 53 | 2 24 | 23 48 | 0 19 | 16 35 | 1 48 | 18 36 | 17 15 | 11 8 | 11 34 | 9 43 | 5 14 | 5 24 |
| T 15 | 11 35 | 5 20 | 1s 8 | 11 58 | 0 34 | 26 37 | 3 59 | 0 16 | 1 1 | 13 32 | 1 24 | 14 51 | 2 24 | 23 48 | 0 19 | 16 35 | 1 48 | 18 37 | 17 15 | 11 8 | 11 35 | 9 40 | 5 12 | 5 24 |
| W16 | 11 55 | 1s34 | 2 21 | 11 29 | 0 16 | 26 44 | 4 0 | 0n 3 | 1 1 | 13 32 | 1 24 | 14 50 | 2 24 | 23 48 | 0 19 | 16 34 | 1 48 | 18 37 | 17 15 | 11 9 | 11 36 | 9 36 | 5 11 | 5 24 |
| T 17 | 12 15 | 8 23 | 3 25 | 10 59 | 0s 1 | 26 50 | 4 1 | 0 21 | 1 1 | 13 32 | 1 23 | 14 49 | 2 24 | 23 48 | 0 19 | 16 34 | 1 48 | 18 37 | 17 14 | 11 11 | 11 37 | 9 33 | 5 10 | 5 24 |
| F 18 | 12 35 | 14 42 | 4 15 | 10 30 | 0 18 | 26 55 | 4 1 | 0 39 | 1 0 | 13 32 | 1 23 | 14 48 | 2 24 | 23 48 | 0 19 | 16 34 | 1 48 | 18 37 | 17 14 | 11 13 | 11 38 | 9 30 | 5 9 | 5 25 |
| S 19 | 12 55 | 20 8 | 4 48 | 10 2 | 0 35 | 27 0 | 4 2 | 0 58 | 1 0 | 13 32 | 1 23 | 14 47 | 2 24 | 23 48 | 0 19 | 16 33 | 1 48 | 18 37 | 17 14 | 11 17 | 11 40 | 9 27 | 5 8 | 5 25 |
| S 20 | 13 15 | 24 20 | 5 3 | 9 35 | 0 52 | 27 4 | 4 2 | 1 16 | 1 0 | 13 31 | 1 23 | 14 45 | 2 24 | 23 48 | 0 19 | 16 33 | 1 48 | 18 38 | 17 13 | 11 20 | 11 41 | 9 23 | 5 7 | 5 25 |
| M21 | 13 34 | 27 0 | 4 59 | 9 9 | 1 8 | 27 8 | 4 2 | 1 35 | 0 59 | 13 31 | 1 23 | 14 44 | 2 24 | 23 48 | 0 19 | 16 32 | 1 48 | 18 38 | 17 13 | 11 24 | 11 42 | 9 20 | 5 6 | 5 25 |
| T 22 | 13 53 | 28 3 | 4 40 | 8 45 | 1 24 | 27 12 | 4 2 | 1 53 | 0 59 | 13 31 | 1 22 | 14 43 | 2 24 | 23 48 | 0 19 | 16 32 | 1 48 | 18 38 | 17 13 | 11 27 | 11 43 | 9 17 | 5 5 | 5 26 |
| W23 | 14 12 | 27 31 | 4 6 | 8 22 | 1 39 | 27 14 | 4 1 | 2 11 | 0 59 | 13 30 | 1 22 | 14 42 | 2 24 | 23 48 | 0 19 | 16 32 | 1 48 | 18 38 | 17 12 | 11 29 | 11 44 | 9 14 | 5 4 | 5 26 |
| T 24 | 14 31 | 25 35 | 3 21 | 8 2 | 1 53 | 27 17 | 4 1 | 2 30 | 0 58 | 13 30 | 1 22 | 14 40 | 2 24 | 23 48 | 0 19 | 16 31 | 1 48 | 18 38 | 17 12 | 11 31 | 11 45 | 9 10 | 5 3 | 5 26 |
| F 25 | 14 50 | 22 29 | 2 29 | 7 44 | 2 7 | 27 18 | 4 0 | 2 48 | 0 58 | 13 29 | 1 22 | 14 39 | 2 24 | 23 48 | 0 19 | 16 31 | 1 48 | 18 38 | 17 11 | 11 31 | 11 46 | 9 7 | 5 2 | 5 26 |
| S 26 | 15 8 | 18 28 | 1 30 | 7 29 | 2 19 | 27 20 | 3 59 | 3 6 | 0 58 | 13 29 | 1 22 | 14 38 | 2 24 | 23 48 | 0 19 | 16 30 | 1 48 | 18 38 | 17 11 | 11 31 | 11 47 | 9 4 | 5 2 | 5 26 |
| S 27 | 15 26 | 13 47 | 0 28 | 7 16 | 2 31 | 27 21 | 3 58 | 3 24 | 0 57 | 13 28 | 1 21 | 14 37 | 2 24 | 23 48 | 0 19 | 16 30 | 1 48 | 18 38 | 17 11 | 11 31 | 11 48 | 9 1 | 5 1 | 5 27 |
| M28 | 15 44 | 8 38 | 0n35 | 7 6 | 2 41 | 27 21 | 3 56 | 3 42 | 0 57 | 13 27 | 1 21 | 14 36 | 2 24 | 23 48 | 0 19 | 16 29 | 1 48 | 18 38 | 17 10 | 11 31 | 11 50 | 8 57 | 5 0 | 5 27 |
| T 29 | 16 1 | 3 9 | 1 36 | 6 58 | 2 51 | 27 21 | 3 54 | 4 0 | 0 57 | 13 27 | 1 21 | 14 34 | 2 24 | 23 48 | 0 19 | 16 29 | 1 48 | 18 38 | 17 10 | 11 32 | 11 51 | 8 54 | 4 59 | 5 27 |
| W30 | 16n18 | 2n28 | 2n33 | 6n53 | 2s59 | 27n20 | 3n52 | 4n18 | 0s56 | 13n26 | 1n21 | 14s33 | 2n24 | 23s48 | 0s19 | 16s29 | 1n48 | 18n38 | 17n 9 | 11s33 | 11s52 | 8s51 | 4s58 | 5n27 |

Julian Day Number = 2080554.5, Delta T = 25m42s
Ecliptic obliquity = 23°34'24, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'01, Lahiri = 9°42'01 Julian Calendar 1 Apr. 984 == Greg. Calendar 6 Apr. 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## MAY 984 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 57 6 | 15♉32'52 | 12♈26 | 25♈ 2 | 25♊15 | 13♈46 | 28♌14 | 16°R22 | 4°R41 | 21°R24 | 22°R36 | 29°R51 | 29♒ 1 | 5♓58 | 4♓ 9 | T 1 |
| F 2 | 15 1 2 | 16°30'29 | 24°47 | 25°19 | 25°45 | 14°30 | 28°16 | 16♏17 | 4♑39 | 21♏22 | 22♍35 | 29♒42 | 28°58 | 6° 5 | 4°11 | F 2 |
| S 3 | 15 4 59 | 17°28'06 | 7♉23 | 25°40 | 26°14 | 15°15 | 28°19 | 16°13 | 4°38 | 21°21 | 22°34 | 29°31 | 28°54 | 6°12 | 4°13 | S 3 |
| S 4 | 15 8 55 | 18°25'41 | 20°16 | 26° 5 | 26°41 | 16° 0 | 28°21 | 16° 8 | 4°37 | 21°19 | 22°33 | 29°19 | 28°51 | 6°18 | 4°14 | S 4 |
| M 5 | 15 12 52 | 19°23'16 | 3♊23 | 26°35 | 27° 7 | 16°45 | 28°24 | 16° 4 | 4°35 | 21°17 | 22°33 | 29° 6 | 28°48 | 6°25 | 4°16 | M 5 |
| T 6 | 15 16 49 | 20°20'49 | 16°44 | 27° 9 | 27°31 | 17°29 | 28°27 | 16° 0 | 4°34 | 21°16 | 22°32 | 28°55 | 28°45 | 6°32 | 4°17 | T 6 |
| W 7 | 15 20 45 | 21°18'21 | 0♋17 | 27°47 | 27°53 | 18°14 | 28°30 | 15°55 | 4°32 | 21°14 | 22°31 | 28°45 | 28°42 | 6°38 | 4°18 | W 7 |
| T 8 | 15 24 42 | 22°15'51 | 14° 0 | 28°28 | 28°13 | 18°59 | 28°33 | 15°51 | 4°31 | 21°13 | 22°31 | 28°39 | 28°39 | 6°45 | 4°20 | T 8 |
| F 9 | 15 28 38 | 23°13'20 | 27°50 | 29°14 | 28°32 | 19°43 | 28°37 | 15°46 | 4°29 | 21°11 | 22°30 | 28°35 | 28°35 | 6°52 | 4°21 | F 9 |
| S 10 | 15 32 35 | 24°10'48 | 11♌48 | 0♌ 3 | 28°48 | 20°28 | 28°40 | 15°42 | 4°28 | 21° 9 | 22°30 | 28°33 | 28°32 | 6°58 | 4°22 | S 10 |
| S 11 | 15 36 31 | 25° 8'14 | 25°51 | 0°56 | 29° 3 | 21°12 | 28°44 | 15°37 | 4°26 | 21° 8 | 22°29 | 28°33 | 28°29 | 7° 5 | 4°24 | S 11 |
| M12 | 15 40 28 | 26° 5'39 | 10♍ 0 | 1°52 | 29°16 | 21°56 | 28°48 | 15°33 | 4°24 | 21° 6 | 22°28 | 28°33 | 28°26 | 7°11 | 4°25 | M12 |
| T 13 | 15 44 24 | 27° 3'03 | 24°13 | 2°52 | 29°26 | 22°41 | 28°52 | 15°29 | 4°22 | 21° 4 | 22°28 | 28°31 | 28°23 | 7°18 | 4°26 | T 13 |
| W14 | 15 48 21 | 28° 0'25 | 8♎28 | 3°54 | 29°35 | 23°25 | 28°56 | 15°25 | 4°21 | 21° 3 | 22°27 | 28°28 | 28°19 | 7°25 | 4°27 | W14 |
| T 15 | 15 52 18 | 28°57'46 | 22°43 | 5° 1 | 29°41 | 24° 9 | 29° 1 | 15°20 | 4°19 | 21° 1 | 22°27 | 28°22 | 28°16 | 7°31 | 4°28 | T 15 |
| F 16 | 15 56 14 | 29°55'06 | 6♏54 | 6°10 | 29°45 | 24°53 | 29° 5 | 15°16 | 4°17 | 21° 0 | 22°27 | 28°13 | 28°13 | 7°38 | 4°29 | F 16 |
| S 17 | 16 0 11 | 0♊52'26 | 20°55 | 7°22 | 29°R46 | 25°37 | 29°10 | 15°12 | 4°15 | 20°58 | 22°26 | 28° 2 | 28°10 | 7°45 | 4°30 | S 17 |
| S 18 | 16 4 7 | 1°49'44 | 4♐42 | 8°38 | 29°45 | 26°21 | 29°15 | 15° 8 | 4°13 | 20°56 | 22°26 | 27°50 | 28° 7 | 7°51 | 4°31 | S 18 |
| M19 | 16 8 4 | 2°47'02 | 18°12 | 9°57 | 29°42 | 27° 5 | 29°20 | 15° 3 | 4°11 | 20°55 | 22°26 | 27°38 | 28° 4 | 7°58 | 4°31 | M19 |
| T 20 | 16 12 0 | 3°44'19 | 1♑21 | 11°18 | 29°37 | 27°49 | 29°25 | 14°59 | 4° 9 | 20°53 | 22°25 | 27°28 | 28° 0 | 8° 5 | 4°32 | T 20 |
| W21 | 16 15 57 | 4°41'35 | 14° 9 | 12°43 | 29°29 | 28°33 | 29°31 | 14°55 | 4° 7 | 20°52 | 22°25 | 27°20 | 27°57 | 8°11 | 4°33 | W21 |
| T 22 | 16 19 54 | 5°38'51 | 26°38 | 14°10 | 29°18 | 29°16 | 29°36 | 14°51 | 4° 5 | 20°50 | 22°25 | 27°14 | 27°54 | 8°18 | 4°33 | T 22 |
| F 23 | 16 23 50 | 6°36'06 | 8♒50 | 15°41 | 29° 6 | 0♌ 0 | 29°42 | 14°47 | 4° 3 | 20°49 | 22°25 | 27°11 | 27°51 | 8°25 | 4°34 | F 23 |
| S 24 | 16 27 47 | 7°33'21 | 20°49 | 17°14 | 28°51 | 0°44 | 29°47 | 14°43 | 4° 1 | 20°47 | 22°25 | 27°10 | 27°48 | 8°31 | 4°35 | S 24 |
| S 25 | 16 31 43 | 8°30'36 | 2♓40 | 18°50 | 28°33 | 1°27 | 29°53 | 14°39 | 3°59 | 20°46 | 22°25 | 27°10 | 27°45 | 8°38 | 4°35 | S 25 |
| M26 | 16 35 40 | 9°27'50 | 14°28 | 20°29 | 28°13 | 2°11 | 29°59 | 14°36 | 3°57 | 20°44 | 22°24 | 27°10 | 27°41 | 8°45 | 4°35 | M26 |
| T 27 | 16 39 36 | 10°25'03 | 26°20 | 22°11 | 27°51 | 2°54 | 0♍ 5 | 14°32 | 3°55 | 20°43 | 22°24 | 27° 9 | 27°38 | 8°51 | 4°36 | T 27 |
| W28 | 16 43 33 | 11°22'17 | 8♈20 | 23°56 | 27°27 | 3°38 | 0°12 | 14°28 | 3°53 | 20°41 | 22°D24 | 27° 6 | 27°35 | 8°58 | 4°36 | W28 |
| T 29 | 16 47 29 | 12°19'30 | 20°32 | 25°43 | 27° 1 | 4°21 | 0°18 | 14°24 | 3°51 | 20°40 | 22°24 | 27° 1 | 27°32 | 9° 4 | 4°36 | T 29 |
| F 30 | 16 51 26 | 13°16'43 | 3♉ 1 | 27°33 | 26°33 | 5° 4 | 0°25 | 14°21 | 3°48 | 20°38 | 22°24 | 26°53 | 27°29 | 9°11 | 4°36 | F 30 |
| S 31 | 16 55 22 | 14♊13'56 | 15♉49 | 29♉26 | 26♊ 3 | 5♉47 | 0♍32 | 14♏17 | 3♑46 | 20♏37 | 22♍25 | 26♒43 | 27♒25 | 9♓18 | 4♓37 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n35 | 8n 5 | 3n25 | 6n50 | 3s 7 | 27n19 | 3n50 | 4n36 | 0s56 | 13n25 | 1n21 | 14s32 | 2n24 | 23s48 | 0s19 | 16s28 | 1n48 | 18n38 | 17n 9 | 11s35 | 11s53 | 8s47 | 4s57 | 5n28 |
| F 2 | 16 52 | 13 29 | 4 7 | 6 50 | 3 14 | 27 17 | 3 47 | 4 54 | 0 55 | 13 24 | 1 20 | 14 31 | 2 24 | 23 49 | 0 19 | 16 28 | 1 48 | 18 38 | 17 9 | 11 38 | 11 54 | 8 44 | 4 56 | 5 28 |
| S 3 | 17 8 | 18 27 | 4 39 | 6 53 | 3 19 | 27 15 | 3 44 | 5 12 | 0 55 | 13 23 | 1 20 | 14 29 | 2 24 | 23 49 | 0 19 | 16 27 | 1 48 | 18 38 | 17 8 | 11 42 | 11 55 | 8 41 | 4 55 | 5 28 |
| S 4 | 17 25 | 22 40 | 4 57 | 6 58 | 3 24 | 27 12 | 3 41 | 5 29 | 0 54 | 13 22 | 1 20 | 14 28 | 2 23 | 23 49 | 0 19 | 16 27 | 1 48 | 18 38 | 17 8 | 11 47 | 11 56 | 8 38 | 4 55 | 5 29 |
| M 5 | 17 40 | 25 51 | 5 0 | 7 5 | 3 27 | 27 9 | 3 37 | 5 47 | 0 54 | 13 21 | 1 20 | 14 27 | 2 23 | 23 49 | 0 19 | 16 27 | 1 48 | 18 38 | 17 7 | 11 51 | 11 57 | 8 34 | 4 54 | 5 29 |
| T 6 | 17 56 | 27 40 | 4 47 | 7 15 | 3 30 | 27 6 | 3 33 | 6 5 | 0 54 | 13 19 | 1 20 | 14 26 | 2 23 | 23 49 | 0 19 | 16 26 | 1 48 | 18 38 | 17 7 | 11 55 | 11 58 | 8 31 | 4 53 | 5 29 |
| W 7 | 18 11 | 27 51 | 4 17 | 7 27 | 3 32 | 27 2 | 3 29 | 6 22 | 0 53 | 13 18 | 1 19 | 14 25 | 2 23 | 23 49 | 0 19 | 16 26 | 1 48 | 18 37 | 17 6 | 11 58 | 12 0 | 8 28 | 4 52 | 5 29 |
| T 8 | 18 26 | 26 21 | 3 32 | 7 41 | 3 33 | 26 58 | 3 24 | 6 40 | 0 53 | 13 17 | 1 19 | 14 23 | 2 23 | 23 49 | 0 19 | 16 25 | 1 48 | 18 37 | 17 6 | 12 1 | 12 1 | 8 24 | 4 52 | 5 30 |
| F 9 | 18 41 | 23 14 | 2 35 | 7 57 | 3 33 | 26 53 | 3 19 | 6 57 | 0 52 | 13 15 | 1 19 | 14 22 | 2 23 | 23 49 | 0 19 | 16 25 | 1 48 | 18 37 | 17 5 | 12 2 | 12 2 | 8 21 | 4 51 | 5 30 |
| S 10 | 18 55 | 18 45 | 1 27 | 8 15 | 3 32 | 26 48 | 3 14 | 7 14 | 0 52 | 13 14 | 1 19 | 14 21 | 2 23 | 23 49 | 0 19 | 16 24 | 1 48 | 18 37 | 17 5 | 12 3 | 12 3 | 8 18 | 4 50 | 5 30 |
| S 11 | 19 9 | 13 12 | 0 14 | 8 34 | 3 31 | 26 42 | 3 8 | 7 31 | 0 51 | 13 12 | 1 19 | 14 20 | 2 23 | 23 49 | 0 19 | 16 24 | 1 48 | 18 37 | 17 5 | 12 3 | 12 4 | 8 15 | 4 49 | 5 30 |
| M12 | 19 23 | 6 56 | 1s 0 | 8 56 | 3 28 | 26 36 | 3 2 | 7 48 | 0 51 | 13 11 | 1 19 | 14 19 | 2 23 | 23 49 | 0 19 | 16 24 | 1 48 | 18 36 | 17 4 | 12 3 | 12 5 | 8 11 | 4 49 | 5 31 |
| T 13 | 19 37 | 0 18 | 2 11 | 9 19 | 3 25 | 26 29 | 2 55 | 8 5 | 0 50 | 13 9 | 1 18 | 14 17 | 2 23 | 23 49 | 0 19 | 16 23 | 1 48 | 18 36 | 17 4 | 12 3 | 12 6 | 8 8 | 4 48 | 5 31 |
| W14 | 19 50 | 6s21 | 3 14 | 9 44 | 3 21 | 26 22 | 2 48 | 8 22 | 0 50 | 13 8 | 1 18 | 14 16 | 2 23 | 23 49 | 0 19 | 16 23 | 1 48 | 18 36 | 17 3 | 12 4 | 12 7 | 8 5 | 4 47 | 5 31 |
| T 15 | 20 2 | 12 40 | 4 5 | 10 10 | 3 17 | 26 15 | 2 41 | 8 39 | 0 49 | 13 6 | 1 18 | 14 15 | 2 23 | 23 50 | 0 19 | 16 22 | 1 48 | 18 36 | 17 3 | 12 7 | 12 8 | 8 1 | 4 47 | 5 31 |
| F 16 | 20 15 | 18 18 | 4 40 | 10 38 | 3 12 | 26 7 | 2 33 | 8 56 | 0 49 | 13 4 | 1 18 | 14 14 | 2 22 | 23 50 | 0 19 | 16 22 | 1 48 | 18 35 | 17 2 | 12 10 | 12 10 | 7 58 | 4 46 | 5 32 |
| S 17 | 20 27 | 22 52 | 4 58 | 11 7 | 3 6 | 25 59 | 2 24 | 9 12 | 0 48 | 13 2 | 1 18 | 14 13 | 2 22 | 23 50 | 0 19 | 16 22 | 1 48 | 18 35 | 17 2 | 12 14 | 12 11 | 7 55 | 4 46 | 5 32 |
| S 18 | 20 39 | 26 5 | 4 58 | 11 37 | 3 0 | 25 50 | 2 16 | 9 29 | 0 48 | 13 0 | 1 17 | 14 12 | 2 22 | 23 50 | 0 19 | 16 21 | 1 48 | 18 35 | 17 1 | 12 18 | 12 12 | 7 52 | 4 45 | 5 32 |
| M19 | 20 50 | 27 43 | 4 42 | 12 8 | 2 53 | 25 41 | 2 6 | 9 45 | 0 47 | 12 58 | 1 17 | 14 11 | 2 22 | 23 50 | 0 19 | 16 21 | 1 48 | 18 34 | 17 1 | 12 22 | 12 13 | 7 48 | 4 45 | 5 33 |
| T 20 | 21 1 | 27 44 | 4 10 | 12 41 | 2 46 | 25 31 | 1 57 | 10 1 | 0 47 | 12 56 | 1 17 | 14 10 | 2 22 | 23 50 | 0 19 | 16 20 | 1 48 | 18 34 | 17 0 | 12 25 | 12 14 | 7 45 | 4 44 | 5 33 |
| W21 | 21 12 | 26 15 | 3 27 | 13 14 | 2 38 | 25 21 | 1 47 | 10 18 | 0 46 | 12 54 | 1 17 | 14 9 | 2 22 | 23 50 | 0 20 | 16 20 | 1 48 | 18 34 | 17 0 | 12 28 | 12 15 | 7 42 | 4 44 | 5 33 |
| T 22 | 21 22 | 23 28 | 2 34 | 13 48 | 2 29 | 25 10 | 1 36 | 10 34 | 0 46 | 12 52 | 1 17 | 14 8 | 2 22 | 23 50 | 0 20 | 16 20 | 1 48 | 18 33 | 16 59 | 12 30 | 12 16 | 7 38 | 4 43 | 5 33 |
| F 23 | 21 32 | 19 41 | 1 36 | 14 23 | 2 20 | 24 59 | 1 25 | 10 50 | 0 45 | 12 50 | 1 16 | 14 6 | 2 22 | 23 50 | 0 20 | 16 19 | 1 48 | 18 33 | 16 59 | 12 31 | 12 17 | 7 35 | 4 43 | 5 34 |
| S 24 | 21 42 | 15 10 | 0 34 | 14 59 | 2 11 | 24 48 | 1 14 | 11 6 | 0 45 | 12 48 | 1 16 | 14 5 | 2 21 | 23 50 | 0 20 | 16 19 | 1 48 | 18 33 | 16 58 | 12 31 | 12 18 | 7 32 | 4 42 | 5 34 |
| S 25 | 21 51 | 10 8 | 0n29 | 15 35 | 2 1 | 24 36 | 1 2 | 11 21 | 0 44 | 12 46 | 1 16 | 14 4 | 2 21 | 23 50 | 0 20 | 16 18 | 1 48 | 18 32 | 16 58 | 12 31 | 12 19 | 7 29 | 4 42 | 5 34 |
| M26 | 22 0 | 4 45 | 1 31 | 16 11 | 1 51 | 24 24 | 0 50 | 11 37 | 0 44 | 12 43 | 1 16 | 14 3 | 2 21 | 23 50 | 0 20 | 16 18 | 1 48 | 18 32 | 16 57 | 12 32 | 12 21 | 7 25 | 4 41 | 5 35 |
| T 27 | 22 8 | 0n48 | 2 28 | 16 48 | 1 41 | 24 11 | 0 37 | 11 52 | 0 43 | 12 41 | 1 16 | 14 3 | 2 21 | 23 50 | 0 20 | 16 18 | 1 48 | 18 31 | 16 57 | 12 32 | 12 22 | 7 22 | 4 41 | 5 35 |
| W28 | 22 16 | 6 23 | 3 20 | 17 25 | 1 30 | 23 57 | 0 25 | 12 8 | 0 43 | 12 39 | 1 16 | 14 2 | 2 21 | 23 51 | 0 20 | 16 17 | 1 48 | 18 31 | 16 56 | 12 33 | 12 23 | 7 19 | 4 41 | 5 35 |
| T 29 | 22 24 | 11 49 | 4 4 | 18 1 | 1 19 | 23 44 | 0 11 | 12 23 | 0 42 | 12 36 | 1 15 | 14 1 | 2 21 | 23 51 | 0 20 | 16 17 | 1 48 | 18 30 | 16 56 | 12 35 | 12 24 | 7 15 | 4 40 | 5 35 |
| F 30 | 22 31 | 16 55 | 4 37 | 18 38 | 1 8 | 23 30 | 0s 2 | 12 38 | 0 41 | 12 34 | 1 15 | 14 0 | 2 21 | 23 51 | 0 20 | 16 17 | 1 48 | 18 30 | 16 55 | 12 37 | 12 25 | 7 12 | 4 40 | 5 36 |
| S 31 | 22n38 | 21n23 | 4n57 | 19n14 | 0s56 | 23n15 | 0s16 | 12n53 | 0s41 | 12n31 | 1n15 | 13s59 | 2n20 | 23s51 | 0s20 | 16s16 | 1n48 | 18n29 | 16n55 | 12s41 | 12s26 | 7s 9 | 4s40 | 5n36 |

Julian Day Number = 2080584.5, Delta T = 25m42s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'05, Lahiri = 9°42'05 Julian Calendar 1 May 984 == Greg. Calendar 6 May 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## JUNE 984 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 59 19 | 15♊11'09 | 28♉57 | 1♊21 | 25°R32 | 6♉31 | 0♍39 | 14°R14 | 3°R44 | 20°R35 | 22♍25 | 26°R32 | 27♒22 | 9♓24 | 4♓37 | S 1 |
| M 2 | 17 3 16 | 16° 8'21 | 12♊24 | 3°19 | 24♊59 | 7°14 | 0°46 | 14♏10 | 3♑42 | 20♏34 | 22°25 | 26♒21 | 27°19 | 9°31 | 4°R37 | M 2 |
| T 3 | 17 7 12 | 17° 5'34 | 26° 8 | 5°19 | 24°25 | 7°57 | 0°53 | 14° 7 | 3°40 | 20°32 | 22°25 | 26°10 | 27°16 | 9°38 | 4°37 | T 3 |
| W 4 | 17 11 9 | 18° 2'45 | 10♋ 6 | 7°21 | 23°49 | 8°40 | 1° 0 | 14° 4 | 3°37 | 20°31 | 22°25 | 26° 2 | 27°13 | 9°44 | 4°37 | W 4 |
| T 5 | 17 15 5 | 18°59'57 | 24°12 | 9°25 | 23°13 | 9°22 | 1° 7 | 14° 0 | 3°35 | 20°30 | 22°26 | 25°56 | 27°10 | 9°51 | 4°36 | T 5 |
| F 6 | 17 19 2 | 19°57'08 | 8♌24 | 11°30 | 22°36 | 10° 5 | 1°15 | 13°57 | 3°33 | 20°28 | 22°26 | 25°52 | 27° 6 | 9°58 | 4°36 | F 6 |
| S 7 | 17 22 58 | 20°54'19 | 22°38 | 13°37 | 21°59 | 10°48 | 1°22 | 13°54 | 3°30 | 20°27 | 22°26 | 25°D51 | 27° 3 | 10° 4 | 4°36 | S 7 |
| S 8 | 17 26 55 | 21°51'29 | 6♍50 | 15°46 | 21°21 | 11°31 | 1°30 | 13°51 | 3°28 | 20°26 | 22°26 | 25°51 | 27° 0 | 10°11 | 4°36 | S 8 |
| M 9 | 17 30 52 | 22°48'38 | 21° 0 | 17°55 | 20°44 | 12°13 | 1°38 | 13°48 | 3°26 | 20°24 | 22°27 | 25°R52 | 26°57 | 10°18 | 4°35 | M 9 |
| T 10 | 17 34 48 | 23°45'47 | 5♎ 5 | 20° 5 | 20° 7 | 12°56 | 1°46 | 13°45 | 3°23 | 20°23 | 22°27 | 25°51 | 26°54 | 10°24 | 4°35 | T 10 |
| W11 | 17 38 45 | 24°42'56 | 19° 6 | 22°16 | 19°30 | 13°38 | 1°54 | 13°42 | 3°21 | 20°22 | 22°28 | 25°49 | 26°51 | 10°31 | 4°34 | W11 |
| T 12 | 17 42 41 | 25°40'05 | 3♏ 0 | 24°26 | 18°54 | 14°21 | 2° 2 | 13°40 | 3°18 | 20°20 | 22°28 | 25°44 | 26°47 | 10°38 | 4°34 | T 12 |
| F 13 | 17 46 38 | 26°37'13 | 16°46 | 26°37 | 18°19 | 15° 3 | 2°11 | 13°37 | 3°16 | 20°19 | 22°29 | 25°37 | 26°44 | 10°44 | 4°33 | F 13 |
| S 14 | 17 50 34 | 27°34'21 | 0♐22 | 28°47 | 17°45 | 15°45 | 2°19 | 13°34 | 3°14 | 20°18 | 22°29 | 25°29 | 26°41 | 10°51 | 4°33 | S 14 |
| S 15 | 17 54 31 | 28°31'30 | 13°45 | 0♋56 | 17°13 | 16°28 | 2°28 | 13°32 | 3°11 | 20°17 | 22°30 | 25°19 | 26°38 | 10°58 | 4°32 | S 15 |
| M16 | 17 58 27 | 29°28'38 | 26°53 | 3° 4 | 16°42 | 17°10 | 2°37 | 13°29 | 3° 9 | 20°16 | 22°30 | 25°10 | 26°35 | 11° 4 | 4°31 | M16 |
| T 17 | 18 2 24 | 0♋25'46 | 9♑45 | 5°12 | 16°13 | 17°52 | 2°45 | 13°27 | 3° 6 | 20°14 | 22°31 | 25° 2 | 26°31 | 11°11 | 4°30 | T 17 |
| W18 | 18 6 21 | 1°22'55 | 22°21 | 7°18 | 15°46 | 18°34 | 2°54 | 13°25 | 3° 4 | 20°13 | 22°32 | 24°55 | 26°28 | 11°18 | 4°30 | W18 |
| T 19 | 18 10 17 | 2°20'04 | 4♒42 | 9°22 | 15°21 | 19°16 | 3° 3 | 13°23 | 3° 2 | 20°12 | 22°33 | 24°51 | 26°25 | 11°24 | 4°29 | T 19 |
| F 20 | 18 14 14 | 3°17'13 | 16°49 | 11°25 | 14°58 | 19°58 | 3°12 | 13°21 | 2°59 | 20°11 | 22°33 | 24°49 | 26°22 | 11°31 | 4°28 | F 20 |
| S 21 | 18 18 10 | 4°14'23 | 28°46 | 13°27 | 14°37 | 20°39 | 3°21 | 13°19 | 2°57 | 20°10 | 22°34 | 24°D49 | 26°19 | 11°37 | 4°27 | S 21 |
| S 22 | 18 22 7 | 5°11'33 | 10♓36 | 15°27 | 14°19 | 21°21 | 3°31 | 13°17 | 2°54 | 20° 9 | 22°35 | 24°50 | 26°16 | 11°44 | 4°26 | S 22 |
| M23 | 18 26 3 | 6° 8'44 | 22°25 | 17°25 | 14° 2 | 22° 3 | 3°40 | 13°15 | 2°52 | 20° 8 | 22°36 | 24°51 | 26°12 | 11°51 | 4°25 | M23 |
| T 24 | 18 30 0 | 7° 5'55 | 4♈17 | 19°22 | 13°48 | 22°44 | 3°50 | 13°13 | 2°49 | 20° 7 | 22°37 | 24°R52 | 26° 9 | 11°57 | 4°23 | T 24 |
| W25 | 18 33 56 | 8° 3'07 | 16°17 | 21°16 | 13°37 | 23°26 | 3°59 | 13°11 | 2°47 | 20° 6 | 22°37 | 24°51 | 26° 6 | 12° 4 | 4°22 | W25 |
| T 26 | 18 37 53 | 9° 0'20 | 28°30 | 23° 9 | 13°28 | 24° 7 | 4° 9 | 13°10 | 2°45 | 20° 5 | 22°38 | 24°49 | 26° 3 | 12°11 | 4°21 | T 26 |
| F 27 | 18 41 50 | 9°57'33 | 11♉ 2 | 25° 0 | 13°21 | 24°49 | 4°19 | 13° 8 | 2°42 | 20° 4 | 22°39 | 24°46 | 26° 0 | 12°17 | 4°20 | F 27 |
| S 28 | 18 45 46 | 10°54'47 | 23°55 | 26°50 | 13°17 | 25°30 | 4°29 | 13° 7 | 2°40 | 20° 3 | 22°40 | 24°40 | 25°57 | 12°24 | 4°18 | S 28 |
| S 29 | 18 49 43 | 11°52'03 | 7♊11 | 28°37 | 13°D15 | 26°11 | 4°39 | 13° 6 | 2°38 | 20° 2 | 22°41 | 24°34 | 25°53 | 12°31 | 4°17 | S 29 |
| M30 | 18 53 39 | 12♋49'18 | 20♊51 | 0♌23 | 13♊16 | 26♉52 | 4♍49 | 13♏ 4 | 2♑35 | 20♏ 2 | 22♍42 | 24♒27 | 25♒50 | 12♓37 | 4♓15 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n45 | 24n56 | 5n 2 | 19n49 | 0s45 | 23n 0 | 0s30 | 13n 8 | 0s40 | 12n28 | 1n15 | 13s58 | 2n20 | 23s51 | 0s20 | 16s16 | 1n48 | 18n29 | 16n54 | 12s44 | 12s27 | 7s 5 | 4s39 | 5n36 |
| M 2 | 22 51 | 27 12 | 4 50 | 20 23 | 0 33 | 22 45 | 0 44 | 13 23 | 0 40 | 12 26 | 1 15 | 13 57 | 2 20 | 23 51 | 0 20 | 16 15 | 1 48 | 18 28 | 16 54 | 12 48 | 12 28 | 7 2 | 4 39 | 5 36 |
| T 3 | 22 57 | 27 53 | 4 22 | 20 57 | 0 22 | 22 30 | 0 58 | 13 37 | 0 39 | 12 23 | 1 15 | 13 56 | 2 20 | 23 51 | 0 20 | 16 15 | 1 48 | 18 28 | 16 53 | 12 52 | 12 29 | 6 59 | 4 39 | 5 37 |
| W 4 | 23 2 | 26 49 | 3 38 | 21 29 | 0 11 | 22 14 | 1 12 | 13 52 | 0 38 | 12 20 | 1 14 | 13 56 | 2 20 | 23 51 | 0 20 | 16 15 | 1 48 | 18 27 | 16 52 | 12 55 | 12 30 | 6 55 | 4 39 | 5 37 |
| T 5 | 23 7 | 24 1 | 2 40 | 22 0 | 0n 1 | 21 58 | 1 26 | 14 6 | 0 38 | 12 17 | 1 14 | 13 55 | 2 19 | 23 51 | 0 20 | 16 14 | 1 48 | 18 27 | 16 52 | 12 57 | 12 32 | 6 52 | 4 38 | 5 37 |
| F 6 | 23 11 | 19 44 | 1 32 | 22 29 | 0 11 | 21 42 | 1 40 | 14 20 | 0 37 | 12 15 | 1 14 | 13 54 | 2 19 | 23 51 | 0 20 | 16 14 | 1 48 | 18 26 | 16 51 | 12 58 | 12 33 | 6 49 | 4 38 | 5 38 |
| S 7 | 23 16 | 14 19 | 0 17 | 22 56 | 0 22 | 21 26 | 1 54 | 14 34 | 0 37 | 12 12 | 1 14 | 13 53 | 2 19 | 23 51 | 0 20 | 16 14 | 1 48 | 18 25 | 16 51 | 12 58 | 12 34 | 6 46 | 4 38 | 5 38 |
| S 8 | 23 19 | 8 9 | 0s58 | 23 21 | 0 32 | 21 10 | 2 8 | 14 48 | 0 36 | 12 9 | 1 14 | 13 53 | 2 19 | 23 51 | 0 20 | 16 13 | 1 48 | 18 25 | 16 50 | 12 58 | 12 35 | 6 42 | 4 38 | 5 38 |
| M 9 | 23 23 | 1 36 | 2 10 | 23 43 | 0 42 | 20 54 | 2 21 | 15 2 | 0 35 | 12 6 | 1 14 | 13 52 | 2 19 | 23 51 | 0 20 | 16 13 | 1 48 | 18 24 | 16 50 | 12 58 | 12 36 | 6 39 | 4 38 | 5 38 |
| T 10 | 23 25 | 4s59 | 3 13 | 24 3 | 0 51 | 20 38 | 2 34 | 15 15 | 0 35 | 12 3 | 1 13 | 13 51 | 2 18 | 23 52 | 0 20 | 16 13 | 1 48 | 18 24 | 16 49 | 12 58 | 12 37 | 6 36 | 4 38 | 5 39 |
| W11 | 23 28 | 11 17 | 4 5 | 24 21 | 1 0 | 20 23 | 2 47 | 15 29 | 0 34 | 12 0 | 1 13 | 13 51 | 2 18 | 23 52 | 0 20 | 16 13 | 1 48 | 18 23 | 16 49 | 12 59 | 12 38 | 6 32 | 4 38 | 5 39 |
| T 12 | 23 30 | 16 59 | 4 41 | 24 36 | 1 8 | 20 7 | 3 0 | 15 42 | 0 33 | 11 57 | 1 13 | 13 50 | 2 18 | 23 52 | 0 20 | 16 12 | 1 47 | 18 22 | 16 48 | 13 1 | 12 39 | 6 29 | 4 37 | 5 39 |
| F 13 | 23 32 | 21 45 | 5 1 | 24 48 | 1 16 | 19 52 | 3 12 | 15 55 | 0 33 | 11 53 | 1 13 | 13 49 | 2 18 | 23 52 | 0 20 | 16 12 | 1 47 | 18 22 | 16 48 | 13 3 | 12 40 | 6 26 | 4 37 | 5 40 |
| S 14 | 23 33 | 25 17 | 5 4 | 24 57 | 1 23 | 19 38 | 3 23 | 16 8 | 0 32 | 11 50 | 1 13 | 13 49 | 2 18 | 23 52 | 0 20 | 16 12 | 1 47 | 18 21 | 16 47 | 13 6 | 12 41 | 6 22 | 4 37 | 5 40 |
| S 15 | 23 34 | 27 22 | 4 49 | 25 3 | 1 29 | 19 24 | 3 34 | 16 21 | 0 32 | 11 47 | 1 13 | 13 48 | 2 17 | 23 52 | 0 20 | 16 11 | 1 47 | 18 20 | 16 47 | 13 9 | 12 42 | 6 19 | 4 37 | 5 40 |
| M16 | 23 34 | 27 52 | 4 20 | 25 6 | 1 34 | 19 10 | 3 45 | 16 34 | 0 31 | 11 44 | 1 13 | 13 48 | 2 17 | 23 52 | 0 20 | 16 11 | 1 47 | 18 19 | 16 46 | 13 12 | 12 44 | 6 16 | 4 37 | 5 40 |
| T 17 | 23 34 | 26 50 | 3 38 | 25 7 | 1 39 | 18 58 | 3 55 | 16 46 | 0 30 | 11 40 | 1 12 | 13 47 | 2 17 | 23 52 | 0 20 | 16 11 | 1 47 | 18 19 | 16 46 | 13 15 | 12 45 | 6 12 | 4 37 | 5 41 |
| W18 | 23 34 | 24 25 | 2 45 | 25 5 | 1 43 | 18 45 | 4 4 | 16 58 | 0 30 | 11 37 | 1 12 | 13 47 | 2 17 | 23 52 | 0 20 | 16 11 | 1 47 | 18 18 | 16 45 | 13 17 | 12 46 | 6 9 | 4 38 | 5 41 |
| T 19 | 23 33 | 20 55 | 1 46 | 25 0 | 1 46 | 18 34 | 4 13 | 17 11 | 0 29 | 11 34 | 1 12 | 13 46 | 2 17 | 23 52 | 0 20 | 16 10 | 1 47 | 18 17 | 16 45 | 13 19 | 12 47 | 6 6 | 4 38 | 5 41 |
| F 20 | 23 32 | 16 34 | 0 43 | 24 53 | 1 49 | 18 23 | 4 21 | 17 23 | 0 28 | 11 30 | 1 12 | 13 46 | 2 16 | 23 52 | 0 20 | 16 10 | 1 47 | 18 17 | 16 44 | 13 19 | 12 48 | 6 2 | 4 38 | 5 41 |
| S 21 | 23 30 | 11 38 | 0n21 | 24 43 | 1 50 | 18 13 | 4 29 | 17 34 | 0 27 | 11 27 | 1 12 | 13 46 | 2 16 | 23 52 | 0 20 | 16 10 | 1 47 | 18 16 | 16 44 | 13 19 | 12 49 | 5 59 | 4 38 | 5 42 |
| S 22 | 23 28 | 6 20 | 1 24 | 24 31 | 1 51 | 18 4 | 4 36 | 17 46 | 0 27 | 11 23 | 1 12 | 13 45 | 2 16 | 23 52 | 0 20 | 16 10 | 1 47 | 18 15 | 16 43 | 13 19 | 12 50 | 5 56 | 4 38 | 5 42 |
| M23 | 23 26 | 0 50 | 2 23 | 24 17 | 1 52 | 17 56 | 4 43 | 17 58 | 0 26 | 11 20 | 1 12 | 13 45 | 2 16 | 23 52 | 0 20 | 16 9 | 1 47 | 18 14 | 16 43 | 13 19 | 12 51 | 5 52 | 4 38 | 5 42 |
| T 24 | 23 23 | 4n43 | 3 17 | 24 0 | 1 51 | 17 48 | 4 49 | 18 9 | 0 25 | 11 16 | 1 11 | 13 45 | 2 15 | 23 52 | 0 20 | 16 9 | 1 47 | 18 13 | 16 42 | 13 18 | 12 52 | 5 49 | 4 38 | 5 42 |
| W25 | 23 20 | 10 9 | 4 2 | 23 42 | 1 51 | 17 42 | 4 54 | 18 20 | 0 25 | 11 12 | 1 11 | 13 44 | 2 15 | 23 53 | 0 20 | 16 9 | 1 47 | 18 13 | 16 42 | 13 19 | 12 53 | 5 46 | 4 39 | 5 43 |
| T 26 | 23 16 | 15 19 | 4 38 | 23 22 | 1 49 | 17 36 | 4 59 | 18 31 | 0 24 | 11 9 | 1 11 | 13 44 | 2 15 | 23 53 | 0 20 | 16 9 | 1 47 | 18 12 | 16 41 | 13 19 | 12 54 | 5 42 | 4 39 | 5 43 |
| F 27 | 23 12 | 19 58 | 5 1 | 23 0 | 1 47 | 17 31 | 5 3 | 18 42 | 0 23 | 11 5 | 1 11 | 13 44 | 2 15 | 23 53 | 0 20 | 16 9 | 1 47 | 18 11 | 16 41 | 13 20 | 12 55 | 5 39 | 4 39 | 5 43 |
| S 28 | 23 7 | 23 51 | 5 9 | 22 37 | 1 44 | 17 26 | 5 7 | 18 53 | 0 23 | 11 1 | 1 11 | 13 44 | 2 14 | 23 53 | 0 20 | 16 8 | 1 47 | 18 10 | 16 40 | 13 22 | 12 57 | 5 36 | 4 39 | 5 43 |
| S 29 | 23 2 | 26 35 | 5 2 | 22 12 | 1 41 | 17 23 | 5 11 | 19 3 | 0 22 | 10 58 | 1 11 | 13 43 | 2 14 | 23 53 | 0 20 | 16 8 | 1 47 | 18 9 | 16 40 | 13 24 | 12 58 | 5 32 | 4 40 | 5 44 |
| M30 | 22n57 | 27n52 | 4n37 | 21n46 | 1n37 | 17n20 | 5s13 | 19n14 | 0s21 | 10n54 | 1n11 | 13s43 | 2n14 | 23s53 | 0s20 | 16s 8 | 1n47 | 18n 8 | 16n39 | 13s27 | 12s59 | 5s29 | 4s40 | 5n44 |

Julian Day Number = 2080615.5, Delta T = 25m42s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'09, Lahiri = 9°42'09 Julian Calendar 1 June 984 == Greg. Calendar 6 June 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## JULY 984 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 57 36 | 13♋46'35 | 4♋52 | 2♌ 7 | 13♊18 | 27♉33 | 4♍59 | 13°R 3 | 2°R33 | 20°R 1 | 22♍44 | 24°R21 | 25♒47 | 12♓44 | 4°R14 | T 1 |
| W 2 | 19 1 32 | 14°43'52 | 19°11 | 3°49 | 13°23 | 28°14 | 5° 9 | 13♏ 2 | 2♑30 | 20♏ 0 | 22°45 | 24♒16 | 25°44 | 12°51 | 4♓12 | W 2 |
| T 3 | 19 5 29 | 15°41'10 | 3♌42 | 5°29 | 13°30 | 28°55 | 5°19 | 13° 1 | 2°28 | 19°59 | 22°46 | 24°12 | 25°41 | 12°57 | 4°11 | T 3 |
| F 4 | 19 9 26 | 16°38'28 | 18°19 | 7° 7 | 13°40 | 29°36 | 5°30 | 13° 1 | 2°26 | 19°59 | 22°47 | 24°D11 | 25°37 | 13° 4 | 4° 9 | F 4 |
| S 5 | 19 13 22 | 17°35'47 | 2♍55 | 8°44 | 13°51 | 0♊17 | 5°40 | 13° 0 | 2°23 | 19°58 | 22°48 | 24°11 | 25°34 | 13°11 | 4° 8 | S 5 |
| S 6 | 19 17 19 | 18°33'07 | 17°26 | 10°19 | 14° 5 | 0°58 | 5°51 | 12°59 | 2°21 | 19°57 | 22°49 | 24°12 | 25°31 | 13°17 | 4° 6 | S 6 |
| M 7 | 19 21 15 | 19°30'26 | 1♎48 | 11°52 | 14°20 | 1°38 | 6° 1 | 12°59 | 2°19 | 19°57 | 22°51 | 24°14 | 25°28 | 13°24 | 4° 4 | M 7 |
| T 8 | 19 25 12 | 20°27'47 | 15°57 | 13°23 | 14°37 | 2°19 | 6°12 | 12°58 | 2°17 | 19°56 | 22°52 | 24°R14 | 25°25 | 13°31 | 4° 2 | T 8 |
| W 9 | 19 29 8 | 21°25'08 | 29°53 | 14°52 | 14°56 | 2°59 | 6°23 | 12°58 | 2°14 | 19°55 | 22°53 | 24°14 | 25°22 | 13°37 | 4° 0 | W 9 |
| T 10 | 19 33 5 | 22°22'29 | 13♏35 | 16°20 | 15°17 | 3°40 | 6°34 | 12°58 | 2°12 | 19°55 | 22°55 | 24°13 | 25°18 | 13°44 | 3°59 | T 10 |
| F 11 | 19 37 1 | 23°19'52 | 27° 3 | 17°46 | 15°40 | 4°20 | 6°45 | 12°58 | 2°10 | 19°54 | 22°56 | 24°10 | 25°15 | 13°50 | 3°57 | F 11 |
| S 12 | 19 40 58 | 24°17'14 | 10♐17 | 19° 9 | 16° 4 | 5° 0 | 6°56 | 12°D58 | 2° 8 | 19°54 | 22°57 | 24° 6 | 25°12 | 13°57 | 3°55 | S 12 |
| S 13 | 19 44 55 | 25°14'38 | 23°17 | 20°31 | 16°30 | 5°40 | 7° 7 | 12°58 | 2° 6 | 19°53 | 22°59 | 24° 1 | 25° 9 | 14° 4 | 3°53 | S 13 |
| M14 | 19 48 51 | 26°12'03 | 6♑ 3 | 21°51 | 16°58 | 6°20 | 7°18 | 12°58 | 2° 3 | 19°53 | 23° 0 | 23°57 | 25° 6 | 14°10 | 3°51 | M14 |
| T 15 | 19 52 48 | 27° 9'28 | 18°36 | 23° 9 | 17°27 | 7° 0 | 7°29 | 12°58 | 2° 1 | 19°53 | 23° 2 | 23°53 | 25° 3 | 14°17 | 3°48 | T 15 |
| W16 | 19 56 44 | 28° 6'55 | 0♒57 | 24°25 | 17°57 | 7°40 | 7°40 | 12°58 | 1°59 | 19°52 | 23° 3 | 23°50 | 24°59 | 14°24 | 3°46 | W16 |
| T 17 | 20 0 41 | 29° 4'22 | 13° 6 | 25°39 | 18°29 | 8°20 | 7°52 | 12°59 | 1°57 | 19°52 | 23° 5 | 23°48 | 24°56 | 14°30 | 3°44 | T 17 |
| F 18 | 20 4 37 | 0♌ 1'51 | 25° 6 | 26°50 | 19° 2 | 9° 0 | 8° 3 | 12°59 | 1°55 | 19°52 | 23° 6 | 23°D48 | 24°53 | 14°37 | 3°42 | F 18 |
| S 19 | 20 8 34 | 0°59'21 | 6♓59 | 28° 0 | 19°37 | 9°40 | 8°15 | 13° 0 | 1°53 | 19°51 | 23° 8 | 23°48 | 24°50 | 14°44 | 3°40 | S 19 |
| S 20 | 20 12 30 | 1°56'52 | 18°48 | 29° 7 | 20°13 | 10°19 | 8°26 | 13° 1 | 1°51 | 19°51 | 23°10 | 23°50 | 24°47 | 14°50 | 3°37 | S 20 |
| M21 | 20 16 27 | 2°54'25 | 0♈36 | 0♍11 | 20°50 | 10°59 | 8°38 | 13° 1 | 1°49 | 19°51 | 23°11 | 23°51 | 24°43 | 14°57 | 3°35 | M21 |
| T 22 | 20 20 24 | 3°51'59 | 12°28 | 1°13 | 21°28 | 11°38 | 8°49 | 13° 2 | 1°47 | 19°51 | 23°13 | 23°53 | 24°40 | 15° 4 | 3°33 | T 22 |
| W23 | 20 24 20 | 4°49'34 | 24°28 | 2°13 | 22° 8 | 12°18 | 9° 1 | 13° 3 | 1°45 | 19°51 | 23°14 | 23°54 | 24°37 | 15°10 | 3°30 | W23 |
| T 24 | 20 28 17 | 5°47'11 | 6♉40 | 3° 9 | 22°48 | 12°57 | 9°13 | 13° 4 | 1°43 | 19°50 | 23°16 | 23°R54 | 24°34 | 15°17 | 3°28 | T 24 |
| F 25 | 20 32 13 | 6°44'50 | 19°10 | 4° 3 | 23°30 | 13°36 | 9°25 | 13° 6 | 1°42 | 19°50 | 23°18 | 23°54 | 24°31 | 15°24 | 3°26 | F 25 |
| S 26 | 20 36 10 | 7°42'31 | 2♊ 1 | 4°54 | 24°12 | 14°15 | 9°36 | 13° 7 | 1°40 | 19°50 | 23°20 | 23°53 | 24°28 | 15°30 | 3°23 | S 26 |
| S 27 | 20 40 6 | 8°40'13 | 15°17 | 5°41 | 24°56 | 14°54 | 9°48 | 13° 8 | 1°38 | 19°D50 | 23°21 | 23°51 | 24°24 | 15°37 | 3°21 | S 27 |
| M28 | 20 44 3 | 9°37'56 | 28°59 | 6°25 | 25°40 | 15°33 | 10° 0 | 13°10 | 1°36 | 19°50 | 23°23 | 23°49 | 24°21 | 15°44 | 3°18 | M28 |
| T 29 | 20 47 59 | 10°35'42 | 13♋ 6 | 7° 5 | 26°26 | 16°12 | 10°12 | 13°11 | 1°35 | 19°50 | 23°25 | 23°47 | 24°18 | 15°50 | 3°16 | T 29 |
| W30 | 20 51 56 | 11°33'29 | 27°36 | 7°42 | 27°12 | 16°51 | 10°24 | 13°13 | 1°33 | 19°50 | 23°27 | 23°46 | 24°15 | 15°57 | 3°13 | W30 |
| T 31 | 20 55 53 | 12♌31'17 | 12♌24 | 8♍15 | 27♊59 | 17♊29 | 10♍37 | 13♏15 | 1♑31 | 19♏51 | 23♍29 | 23♒45 | 24♒12 | 16♓ 4 | 3♓11 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n51 | 27n25 | 3n56 | 21n18 | 1n33 | 17n18 | 5s16 | 19n24 | 0s20 | 10n50 | 1n11 | 13s43 | 2n14 | 23s53 | 0s20 | 16s 8 | 1n47 | 18n 8 | 16n39 | 13s29 | 13s 0 | 5s26 | 4s40 | 5n44 |
| W 2 | 22 45 | 25 8 | 2 59 | 20 50 | 1 28 | 17 16 | 5 18 | 19 34 | 0 20 | 10 46 | 1 11 | 13 43 | 2 13 | 23 53 | 0 20 | 16 8 | 1 47 | 18 7 | 16 38 | 13 30 | 13 1 | 5 22 | 4 41 | 5 44 |
| T 3 | 22 39 | 21 12 | 1 49 | 20 20 | 1 23 | 17 16 | 5 20 | 19 43 | 0 19 | 10 42 | 1 10 | 13 43 | 2 13 | 23 53 | 0 20 | 16 8 | 1 46 | 18 6 | 16 38 | 13 32 | 13 2 | 5 19 | 4 41 | 5 44 |
| F 4 | 22 32 | 15 56 | 0 32 | 19 50 | 1 17 | 17 16 | 5 21 | 19 53 | 0 18 | 10 38 | 1 10 | 13 43 | 2 13 | 23 53 | 0 20 | 16 7 | 1 46 | 18 5 | 16 37 | 13 32 | 13 3 | 5 16 | 4 41 | 5 45 |
| S 5 | 22 24 | 9 45 | 0s48 | 19 19 | 1 11 | 17 16 | 5 22 | 20 2 | 0 17 | 10 34 | 1 10 | 13 43 | 2 13 | 23 53 | 0 20 | 16 7 | 1 46 | 18 4 | 16 37 | 13 32 | 13 4 | 5 12 | 4 42 | 5 45 |
| S 6 | 22 17 | 3 6 | 2 4 | 18 47 | 1 4 | 17 17 | 5 22 | 20 12 | 0 17 | 10 30 | 1 10 | 13 43 | 2 12 | 23 53 | 0 20 | 16 7 | 1 46 | 18 3 | 16 37 | 13 32 | 13 5 | 5 9 | 4 42 | 5 45 |
| M 7 | 22 9 | 3s38 | 3 11 | 18 15 | 0 57 | 17 19 | 5 22 | 20 21 | 0 16 | 10 26 | 1 10 | 13 43 | 2 12 | 23 53 | 0 20 | 16 7 | 1 46 | 18 2 | 16 36 | 13 31 | 13 6 | 5 6 | 4 43 | 5 45 |
| T 8 | 22 0 | 10 5 | 4 6 | 17 42 | 0 50 | 17 21 | 5 22 | 20 30 | 0 15 | 10 22 | 1 10 | 13 43 | 2 12 | 23 53 | 0 20 | 16 7 | 1 46 | 18 1 | 16 36 | 13 31 | 13 7 | 5 2 | 4 43 | 5 45 |
| W 9 | 21 51 | 15 56 | 4 45 | 17 8 | 0 42 | 17 24 | 5 21 | 20 38 | 0 14 | 10 18 | 1 10 | 13 44 | 2 12 | 23 53 | 0 20 | 16 7 | 1 46 | 18 0 | 16 35 | 13 31 | 13 8 | 4 59 | 4 44 | 5 46 |
| T 10 | 21 42 | 20 53 | 5 7 | 16 34 | 0 34 | 17 27 | 5 20 | 20 47 | 0 14 | 10 14 | 1 10 | 13 44 | 2 11 | 23 53 | 0 20 | 16 7 | 1 46 | 17 59 | 16 35 | 13 32 | 13 9 | 4 56 | 4 44 | 5 46 |
| F 11 | 21 33 | 24 40 | 5 12 | 16 0 | 0 26 | 17 30 | 5 19 | 20 55 | 0 13 | 10 10 | 1 10 | 13 44 | 2 11 | 23 53 | 0 20 | 16 7 | 1 46 | 17 58 | 16 34 | 13 33 | 13 11 | 4 52 | 4 45 | 5 46 |
| S 12 | 21 23 | 27 4 | 5 0 | 15 26 | 0 17 | 17 34 | 5 18 | 21 3 | 0 12 | 10 6 | 1 10 | 13 44 | 2 11 | 23 53 | 0 20 | 16 7 | 1 46 | 17 57 | 16 34 | 13 34 | 13 12 | 4 49 | 4 45 | 5 46 |
| S 13 | 21 12 | 27 57 | 4 33 | 14 52 | 0 8 | 17 38 | 5 16 | 21 11 | 0 11 | 10 1 | 1 9 | 13 44 | 2 11 | 23 53 | 0 20 | 16 7 | 1 46 | 17 56 | 16 33 | 13 35 | 13 13 | 4 46 | 4 46 | 5 46 |
| M14 | 21 2 | 27 18 | 3 53 | 14 17 | 0s 1 | 17 43 | 5 14 | 21 19 | 0 10 | 9 57 | 1 9 | 13 45 | 2 10 | 23 53 | 0 20 | 16 7 | 1 46 | 17 56 | 16 33 | 13 37 | 13 14 | 4 42 | 4 46 | 5 47 |
| T 15 | 20 51 | 25 16 | 3 1 | 13 43 | 0 10 | 17 48 | 5 12 | 21 27 | 0 10 | 9 53 | 1 9 | 13 45 | 2 10 | 23 53 | 0 20 | 16 6 | 1 46 | 17 55 | 16 33 | 13 38 | 13 15 | 4 39 | 4 47 | 5 47 |
| W16 | 20 39 | 22 3 | 2 2 | 13 9 | 0 20 | 17 53 | 5 10 | 21 34 | 0 9 | 9 48 | 1 9 | 13 45 | 2 10 | 23 53 | 0 20 | 16 6 | 1 46 | 17 54 | 16 32 | 13 39 | 13 16 | 4 36 | 4 47 | 5 47 |
| T 17 | 20 27 | 17 55 | 0 59 | 12 35 | 0 30 | 17 58 | 5 7 | 21 41 | 0 8 | 9 44 | 1 9 | 13 46 | 2 10 | 23 54 | 0 20 | 16 6 | 1 46 | 17 53 | 16 32 | 13 40 | 13 17 | 4 32 | 4 48 | 5 47 |
| F 18 | 20 15 | 13 7 | 0n 7 | 12 1 | 0 40 | 18 3 | 5 5 | 21 48 | 0 7 | 9 40 | 1 9 | 13 46 | 2 9 | 23 54 | 0 20 | 16 6 | 1 46 | 17 52 | 16 31 | 13 40 | 13 18 | 4 29 | 4 49 | 5 47 |
| S 19 | 20 3 | 7 53 | 1 12 | 11 27 | 0 50 | 18 9 | 5 2 | 21 55 | 0 6 | 9 35 | 1 9 | 13 47 | 2 9 | 23 54 | 0 20 | 16 6 | 1 46 | 17 51 | 16 31 | 13 40 | 13 19 | 4 26 | 4 49 | 5 47 |
| S 20 | 19 50 | 2 24 | 2 14 | 10 54 | 1 0 | 18 15 | 4 59 | 22 2 | 0 6 | 9 31 | 1 9 | 13 47 | 2 9 | 23 54 | 0 20 | 16 6 | 1 46 | 17 50 | 16 31 | 13 39 | 13 20 | 4 22 | 4 50 | 5 47 |
| M21 | 19 37 | 3n 8 | 3 9 | 10 22 | 1 11 | 18 20 | 4 55 | 22 8 | 0 5 | 9 27 | 1 9 | 13 48 | 2 9 | 23 54 | 0 20 | 16 6 | 1 45 | 17 49 | 16 30 | 13 39 | 13 21 | 4 19 | 4 51 | 5 48 |
| T 22 | 19 24 | 8 35 | 3 57 | 9 50 | 1 22 | 18 26 | 4 52 | 22 14 | 0 4 | 9 22 | 1 9 | 13 48 | 2 8 | 23 54 | 0 20 | 16 6 | 1 45 | 17 48 | 16 30 | 13 38 | 13 22 | 4 16 | 4 51 | 5 48 |
| W23 | 19 10 | 13 48 | 4 36 | 9 18 | 1 33 | 18 32 | 4 49 | 22 21 | 0 3 | 9 18 | 1 9 | 13 49 | 2 8 | 23 54 | 0 20 | 16 6 | 1 45 | 17 47 | 16 30 | 13 38 | 13 23 | 4 12 | 4 52 | 5 48 |
| T 24 | 18 56 | 18 34 | 5 2 | 8 48 | 1 43 | 18 38 | 4 45 | 22 26 | 0 2 | 9 13 | 1 9 | 13 49 | 2 8 | 23 54 | 0 20 | 16 6 | 1 45 | 17 46 | 16 29 | 13 38 | 13 24 | 4 9 | 4 53 | 5 48 |
| F 25 | 18 41 | 22 39 | 5 15 | 8 18 | 1 54 | 18 44 | 4 41 | 22 32 | 0 1 | 9 8 | 1 8 | 13 50 | 2 8 | 23 54 | 0 20 | 16 6 | 1 45 | 17 45 | 16 29 | 13 38 | 13 25 | 4 6 | 4 54 | 5 48 |
| S 26 | 18 27 | 25 47 | 5 13 | 7 50 | 2 5 | 18 50 | 4 37 | 22 38 | 0 1 | 9 4 | 1 8 | 13 50 | 2 7 | 23 54 | 0 20 | 16 6 | 1 45 | 17 44 | 16 28 | 13 38 | 13 27 | 4 2 | 4 54 | 5 48 |
| S 27 | 18 12 | 27 38 | 4 55 | 7 22 | 2 16 | 18 56 | 4 33 | 22 43 | 0n 0 | 8 59 | 1 8 | 13 51 | 2 7 | 23 54 | 0 20 | 16 7 | 1 45 | 17 43 | 16 28 | 13 39 | 13 28 | 3 59 | 4 55 | 5 48 |
| M28 | 17 56 | 27 53 | 4 19 | 6 56 | 2 27 | 19 1 | 4 29 | 22 48 | 0 1 | 8 55 | 1 8 | 13 52 | 2 7 | 23 54 | 0 20 | 16 7 | 1 45 | 17 42 | 16 28 | 13 39 | 13 29 | 3 56 | 4 56 | 5 48 |
| T 29 | 17 41 | 26 21 | 3 27 | 6 31 | 2 38 | 19 7 | 4 25 | 22 53 | 0 2 | 8 50 | 1 8 | 13 53 | 2 6 | 23 54 | 0 20 | 16 7 | 1 45 | 17 41 | 16 27 | 13 40 | 13 30 | 3 52 | 4 57 | 5 49 |
| W30 | 17 25 | 23 2 | 2 20 | 6 7 | 2 49 | 19 12 | 4 20 | 22 58 | 0 3 | 8 45 | 1 8 | 13 53 | 2 6 | 23 54 | 0 20 | 16 7 | 1 45 | 17 39 | 16 27 | 13 40 | 13 31 | 3 49 | 4 58 | 5 49 |
| T 31 | 17n 9 | 18n11 | 1n 3 | 5n45 | 2s59 | 19n18 | 4s16 | 23n 2 | 0n 4 | 8n41 | 1n 8 | 13s54 | 2n 6 | 23s54 | 0s20 | 16s 7 | 1n45 | 17n38 | 16n27 | 13s41 | 13s32 | 3s46 | 4s59 | 5n49 |

Julian Day Number = 2080645.5, Delta T = 25m41s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'13, Lahiri = 9°42'13 Julian Calendar 1 July 984 == Greg. Calendar 6 July 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## AUGUST 984 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 59 49 | 13♌29'07 | 27♌21 | 8♍43 | 28♊47 | 18♊ 8 | 10♍49 | 13♏17 | 1°R30 | 19♏51 | 23♍31 | 23°D45 | 24♒ 9 | 16♓10 | 3°R 8 | F 1 |
| S 2 | 21 3 46 | 14°26'58 | 12♍20 | 9° 7 | 29°36 | 18°46 | 11° 1 | 13°19 | 1♉28 | 19°51 | 23°32 | 23♒45 | 24° 5 | 16°17 | 3♓ 5 | S 2 |
| S 3 | 21 7 42 | 15°24'50 | 27°13 | 9°26 | 0♋25 | 19°25 | 11°13 | 13°21 | 1°27 | 19°51 | 23°34 | 23°46 | 24° 2 | 16°24 | 3° 3 | S 3 |
| M 4 | 21 11 39 | 16°22'44 | 11♎53 | 9°40 | 1°15 | 20° 3 | 11°25 | 13°23 | 1°25 | 19°51 | 23°36 | 23°47 | 23°59 | 16°30 | 3° 0 | M 4 |
| T 5 | 21 15 35 | 17°20'39 | 26°16 | 9°49 | 2° 6 | 20°41 | 11°38 | 13°25 | 1°24 | 19°52 | 23°38 | 23°47 | 23°56 | 16°37 | 2°57 | T 5 |
| W 6 | 21 19 32 | 18°18'36 | 10♏17 | 9°R52 | 2°57 | 21°19 | 11°50 | 13°27 | 1°22 | 19°52 | 23°40 | 23°48 | 23°53 | 16°44 | 2°55 | W 6 |
| T 7 | 21 23 28 | 19°16'34 | 23°57 | 9°49 | 3°49 | 21°57 | 12° 3 | 13°30 | 1°21 | 19°52 | 23°42 | 23°R48 | 23°49 | 16°50 | 2°52 | T 7 |
| F 8 | 21 27 25 | 20°14'33 | 7♐17 | 9°41 | 4°42 | 22°35 | 12°15 | 13°32 | 1°19 | 19°53 | 23°44 | 23°47 | 23°46 | 16°57 | 2°49 | F 8 |
| S 9 | 21 31 22 | 21°12'34 | 20°17 | 9°26 | 5°35 | 23°13 | 12°28 | 13°35 | 1°18 | 19°53 | 23°46 | 23°47 | 23°43 | 17° 4 | 2°47 | S 9 |
| S 10 | 21 35 18 | 22°10'36 | 3♑ 0 | 9° 6 | 6°29 | 23°51 | 12°40 | 13°38 | 1°17 | 19°53 | 23°48 | 23°47 | 23°40 | 17°10 | 2°44 | S 10 |
| M11 | 21 39 15 | 23° 8'39 | 15°29 | 8°39 | 7°24 | 24°29 | 12°53 | 13°40 | 1°16 | 19°54 | 23°50 | 23°47 | 23°37 | 17°17 | 2°41 | M11 |
| T 12 | 21 43 11 | 24° 6'44 | 27°45 | 8° 6 | 8°19 | 25° 6 | 13° 5 | 13°43 | 1°15 | 19°54 | 23°52 | 23°D47 | 23°34 | 17°23 | 2°38 | T 12 |
| W13 | 21 47 8 | 25° 4'51 | 9♒52 | 7°27 | 9°15 | 25°44 | 13°18 | 13°46 | 1°14 | 19°55 | 23°55 | 23°47 | 23°30 | 17°30 | 2°35 | W13 |
| T 14 | 21 51 4 | 26° 2'59 | 21°51 | 6°43 | 10°11 | 26°21 | 13°30 | 13°49 | 1°12 | 19°56 | 23°57 | 23°R47 | 23°27 | 17°37 | 2°33 | T 14 |
| F 15 | 21 55 1 | 27° 1'10 | 3♓44 | 5°54 | 11° 7 | 26°58 | 13°43 | 13°52 | 1°11 | 19°56 | 23°59 | 23°47 | 23°24 | 17°43 | 2°30 | F 15 |
| S 16 | 21 58 57 | 27°59'21 | 15°34 | 5° 1 | 12° 4 | 27°35 | 13°56 | 13°56 | 1°10 | 19°57 | 24° 1 | 23°47 | 23°21 | 17°50 | 2°27 | S 16 |
| S 17 | 22 2 54 | 28°57'35 | 27°22 | 4° 4 | 13° 2 | 28°12 | 14° 9 | 13°59 | 1°10 | 19°57 | 24° 3 | 23°46 | 23°18 | 17°57 | 2°24 | S 17 |
| M18 | 22 6 51 | 29°55'51 | 9♈11 | 3° 5 | 14° 0 | 28°49 | 14°21 | 14° 2 | 1° 9 | 19°58 | 24° 5 | 23°45 | 23°14 | 18° 3 | 2°21 | M18 |
| T 19 | 22 10 47 | 0♍54'08 | 21° 5 | 2° 5 | 14°59 | 29°26 | 14°34 | 14° 6 | 1° 8 | 19°59 | 24° 7 | 23°44 | 23°11 | 18°10 | 2°19 | T 19 |
| W20 | 22 14 44 | 1°52'28 | 3♉ 6 | 1° 5 | 15°58 | 0♋ 3 | 14°47 | 14° 9 | 1° 7 | 20° 0 | 24°10 | 23°43 | 23° 8 | 18°17 | 2°16 | W20 |
| T 21 | 22 18 40 | 2°50'50 | 15°19 | 0° 7 | 16°57 | 0°39 | 15° 0 | 14°13 | 1° 6 | 20° 0 | 24°12 | 23°43 | 23° 5 | 18°23 | 2°13 | T 21 |
| F 22 | 22 22 37 | 3°49'14 | 27°46 | 29♌12 | 17°57 | 1°16 | 15°12 | 14°17 | 1° 6 | 20° 1 | 24°14 | 23°42 | 23° 2 | 18°30 | 2°10 | F 22 |
| S 23 | 22 26 33 | 4°47'41 | 10♊33 | 28°21 | 18°57 | 1°52 | 15°25 | 14°20 | 1° 5 | 20° 2 | 24°16 | 23°D42 | 22°59 | 18°37 | 2° 7 | S 23 |
| S 24 | 22 30 30 | 5°46'09 | 23°42 | 27°35 | 19°57 | 2°29 | 15°38 | 14°24 | 1° 4 | 20° 3 | 24°18 | 23°43 | 22°55 | 18°43 | 2° 5 | S 24 |
| M25 | 22 34 26 | 6°44'40 | 7♋17 | 26°57 | 20°58 | 3° 5 | 15°51 | 14°28 | 1° 4 | 20° 4 | 24°21 | 23°44 | 22°52 | 18°50 | 2° 2 | M25 |
| T 26 | 22 38 23 | 7°43'13 | 21°18 | 26°26 | 22° 0 | 3°41 | 16° 4 | 14°32 | 1° 3 | 20° 5 | 24°23 | 23°45 | 22°49 | 18°57 | 1°59 | T 26 |
| W27 | 22 42 20 | 8°41'49 | 5♌45 | 26° 3 | 23° 1 | 4°17 | 16°17 | 14°36 | 1° 3 | 20° 6 | 24°25 | 23°46 | 22°46 | 19° 3 | 1°56 | W27 |
| T 28 | 22 46 16 | 9°40'26 | 20°35 | 25°50 | 24° 3 | 4°53 | 16°30 | 14°40 | 1° 2 | 20° 7 | 24°27 | 23°R46 | 22°43 | 19°10 | 1°53 | T 28 |
| F 29 | 22 50 13 | 10°39'05 | 5♍40 | 25°D46 | 25° 6 | 5°29 | 16°43 | 14°45 | 1° 2 | 20° 8 | 24°30 | 23°46 | 22°40 | 19°17 | 1°51 | F 29 |
| S 30 | 22 54 9 | 11°37'47 | 20°53 | 25°52 | 26° 8 | 6° 4 | 16°56 | 14°49 | 1° 2 | 20° 9 | 24°32 | 23°45 | 22°36 | 19°23 | 1°48 | S 30 |
| S 31 | 22 58 6 | 12♍36'30 | 6♎ 3 | 26♌ 7 | 27♋11 | 6♋40 | 17♍ 9 | 14♏53 | 1♑ 1 | 20♏10 | 24♍34 | 23♒43 | 22♒33 | 19♓30 | 1♓45 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n52 | 12n 9 | 0s20 | 5n25 | 3s10 | 19n23 | 4s11 | 23n 7 | 0n 5 | 8n36 | 1n 8 | 13s55 | 2n 6 | 23s54 | 0s20 | 16s 7 | 1n45 | 17n37 | 16n26 | 13s41 | 13s33 | 3s42 | 4s59 | 5n49 |
| S 2 | 16 35 | 5 25 | 1 41 | 5 7 | 3 20 | 19 28 | 4 7 | 23 11 | 0 5 | 8 31 | 1 8 | 13 56 | 2 5 | 23 54 | 0 20 | 16 7 | 1 45 | 17 36 | 16 26 | 13 41 | 13 34 | 3 39 | 5 0 | 5 49 |
| S 3 | 16 18 | 1s34 | 2 55 | 4 50 | 3 30 | 19 32 | 4 2 | 23 15 | 0 6 | 8 27 | 1 8 | 13 57 | 2 5 | 23 54 | 0 20 | 16 7 | 1 45 | 17 35 | 16 26 | 13 40 | 13 35 | 3 36 | 5 1 | 5 49 |
| M 4 | 16 1 | 8 21 | 3 57 | 4 37 | 3 39 | 19 37 | 3 57 | 23 19 | 0 7 | 8 22 | 1 8 | 13 57 | 2 5 | 23 54 | 0 20 | 16 7 | 1 45 | 17 34 | 16 26 | 13 40 | 13 36 | 3 32 | 5 2 | 5 49 |
| T 5 | 15 43 | 14 34 | 4 42 | 4 25 | 3 48 | 19 41 | 3 53 | 23 23 | 0 8 | 8 17 | 1 8 | 13 58 | 2 5 | 23 54 | 0 20 | 16 7 | 1 45 | 17 33 | 16 25 | 13 40 | 13 37 | 3 29 | 5 3 | 5 49 |
| W 6 | 15 26 | 19 52 | 5 9 | 4 16 | 3 56 | 19 45 | 3 48 | 23 26 | 0 9 | 8 12 | 1 8 | 13 59 | 2 4 | 23 54 | 0 20 | 16 8 | 1 44 | 17 32 | 16 25 | 13 40 | 13 38 | 3 26 | 5 4 | 5 49 |
| T 7 | 15 7 | 23 59 | 5 17 | 4 10 | 4 3 | 19 48 | 3 43 | 23 29 | 0 10 | 8 8 | 1 8 | 14 0 | 2 4 | 23 54 | 0 20 | 16 8 | 1 44 | 17 31 | 16 25 | 13 40 | 13 39 | 3 22 | 5 5 | 5 49 |
| F 8 | 14 49 | 26 43 | 5 9 | 4 8 | 4 10 | 19 52 | 3 38 | 23 33 | 0 11 | 8 3 | 1 8 | 14 1 | 2 4 | 23 54 | 0 20 | 16 8 | 1 44 | 17 30 | 16 24 | 13 40 | 13 40 | 3 19 | 5 6 | 5 49 |
| S 9 | 14 31 | 27 56 | 4 44 | 4 8 | 4 15 | 19 55 | 3 33 | 23 36 | 0 12 | 7 58 | 1 8 | 14 2 | 2 4 | 23 54 | 0 20 | 16 8 | 1 44 | 17 29 | 16 24 | 13 40 | 13 41 | 3 15 | 5 7 | 5 49 |
| S 10 | 14 12 | 27 39 | 4 6 | 4 11 | 4 20 | 19 57 | 3 28 | 23 38 | 0 13 | 7 53 | 1 8 | 14 3 | 2 3 | 23 54 | 0 20 | 16 8 | 1 44 | 17 28 | 16 24 | 13 40 | 13 42 | 3 12 | 5 8 | 5 49 |
| M11 | 13 53 | 25 56 | 3 17 | 4 18 | 4 23 | 20 0 | 3 23 | 23 41 | 0 13 | 7 48 | 1 8 | 14 4 | 2 3 | 23 54 | 0 20 | 16 8 | 1 44 | 17 27 | 16 24 | 13 40 | 13 43 | 3 9 | 5 9 | 5 49 |
| T 12 | 13 33 | 23 0 | 2 20 | 4 29 | 4 25 | 20 2 | 3 17 | 23 43 | 0 14 | 7 43 | 1 8 | 14 5 | 2 3 | 23 54 | 0 20 | 16 9 | 1 44 | 17 26 | 16 23 | 13 40 | 13 45 | 3 5 | 5 9 | 5 49 |
| W13 | 13 14 | 19 6 | 1 17 | 4 43 | 4 25 | 20 3 | 3 12 | 23 46 | 0 15 | 7 38 | 1 8 | 14 6 | 2 3 | 23 54 | 0 20 | 16 9 | 1 44 | 17 25 | 16 23 | 13 40 | 13 46 | 3 2 | 5 10 | 5 49 |
| T 14 | 12 54 | 14 28 | 0 11 | 5 1 | 4 24 | 20 4 | 3 7 | 23 48 | 0 16 | 7 33 | 1 8 | 14 8 | 2 3 | 23 54 | 0 20 | 16 9 | 1 44 | 17 24 | 16 23 | 13 40 | 13 47 | 2 59 | 5 11 | 5 49 |
| F 15 | 12 34 | 9 20 | 0n55 | 5 22 | 4 20 | 20 5 | 3 2 | 23 49 | 0 17 | 7 29 | 1 8 | 14 9 | 2 2 | 23 54 | 0 20 | 16 9 | 1 44 | 17 23 | 16 23 | 13 40 | 13 48 | 2 55 | 5 12 | 5 49 |
| S 16 | 12 14 | 3 55 | 1 58 | 5 46 | 4 15 | 20 6 | 2 56 | 23 51 | 0 18 | 7 24 | 1 8 | 14 10 | 2 2 | 23 54 | 0 20 | 16 10 | 1 44 | 17 22 | 16 23 | 13 40 | 13 49 | 2 52 | 5 13 | 5 49 |
| S 17 | 11 54 | 1n38 | 2 56 | 6 13 | 4 8 | 20 6 | 2 51 | 23 53 | 0 19 | 7 19 | 1 7 | 14 11 | 2 2 | 23 54 | 0 20 | 16 10 | 1 44 | 17 21 | 16 22 | 13 40 | 13 50 | 2 49 | 5 14 | 5 49 |
| M18 | 11 34 | 7 7 | 3 46 | 6 43 | 3 59 | 20 5 | 2 46 | 23 54 | 0 20 | 7 14 | 1 7 | 14 12 | 2 2 | 23 54 | 0 20 | 16 10 | 1 44 | 17 20 | 16 22 | 13 41 | 13 51 | 2 45 | 5 15 | 5 49 |
| T 19 | 11 13 | 12 23 | 4 27 | 7 15 | 3 48 | 20 4 | 2 40 | 23 55 | 0 21 | 7 9 | 1 7 | 14 14 | 2 1 | 23 54 | 0 20 | 16 10 | 1 44 | 17 19 | 16 22 | 13 41 | 13 52 | 2 42 | 5 17 | 5 49 |
| W20 | 10 52 | 17 15 | 4 57 | 7 48 | 3 35 | 20 3 | 2 35 | 23 56 | 0 22 | 7 4 | 1 7 | 14 15 | 2 1 | 23 54 | 0 20 | 16 10 | 1 44 | 17 18 | 16 22 | 13 41 | 13 53 | 2 39 | 5 18 | 5 49 |
| T 21 | 10 31 | 21 30 | 5 14 | 8 22 | 3 20 | 20 1 | 2 30 | 23 57 | 0 23 | 6 59 | 1 7 | 14 16 | 2 1 | 23 54 | 0 20 | 16 11 | 1 44 | 17 17 | 16 22 | 13 41 | 13 54 | 2 35 | 5 19 | 5 49 |
| F 22 | 10 10 | 24 54 | 5 16 | 8 56 | 3 4 | 19 59 | 2 24 | 23 58 | 0 24 | 6 54 | 1 7 | 14 17 | 2 1 | 23 54 | 0 20 | 16 11 | 1 43 | 17 16 | 16 22 | 13 42 | 13 55 | 2 32 | 5 20 | 5 49 |
| S 23 | 9 48 | 27 9 | 5 4 | 9 30 | 2 47 | 19 56 | 2 19 | 23 59 | 0 25 | 6 49 | 1 7 | 14 19 | 2 0 | 23 54 | 0 20 | 16 11 | 1 43 | 17 15 | 16 21 | 13 42 | 13 56 | 2 29 | 5 21 | 5 49 |
| S 24 | 9 27 | 28 0 | 4 35 | 10 3 | 2 29 | 19 52 | 2 14 | 23 59 | 0 26 | 6 44 | 1 7 | 14 20 | 2 0 | 23 54 | 0 20 | 16 12 | 1 43 | 17 14 | 16 21 | 13 41 | 13 57 | 2 25 | 5 22 | 5 49 |
| M25 | 9 5 | 27 12 | 3 50 | 10 34 | 2 10 | 19 49 | 2 8 | 23 59 | 0 27 | 6 39 | 1 7 | 14 22 | 2 0 | 23 54 | 0 20 | 16 12 | 1 43 | 17 13 | 16 21 | 13 41 | 13 58 | 2 22 | 5 23 | 5 49 |
| T 26 | 8 43 | 24 41 | 2 50 | 11 3 | 1 50 | 19 44 | 2 3 | 23 59 | 0 28 | 6 34 | 1 7 | 14 23 | 2 0 | 23 54 | 0 20 | 16 12 | 1 43 | 17 12 | 16 21 | 13 41 | 13 59 | 2 19 | 5 24 | 5 49 |
| W27 | 8 21 | 20 31 | 1 38 | 11 29 | 1 30 | 19 40 | 1 58 | 23 59 | 0 29 | 6 29 | 1 7 | 14 24 | 2 0 | 23 54 | 0 20 | 16 13 | 1 43 | 17 11 | 16 21 | 13 41 | 14 0 | 2 15 | 5 25 | 5 49 |
| T 28 | 7 59 | 14 59 | 0 18 | 11 52 | 1 11 | 19 34 | 1 53 | 23 59 | 0 30 | 6 23 | 1 7 | 14 26 | 1 59 | 23 54 | 0 20 | 16 13 | 1 43 | 17 10 | 16 21 | 13 40 | 14 1 | 2 12 | 5 26 | 5 49 |
| F 29 | 7 37 | 8 28 | 1s 5 | 12 11 | 0 52 | 19 28 | 1 47 | 23 58 | 0 31 | 6 18 | 1 7 | 14 27 | 1 59 | 23 54 | 0 20 | 16 13 | 1 43 | 17 9 | 16 21 | 13 40 | 14 2 | 2 9 | 5 27 | 5 49 |
| S 30 | 7 14 | 1 25 | 2 24 | 12 27 | 0 33 | 19 22 | 1 42 | 23 58 | 0 32 | 6 13 | 1 7 | 14 29 | 1 59 | 23 54 | 0 20 | 16 14 | 1 43 | 17 8 | 16 21 | 13 41 | 14 3 | 2 5 | 5 28 | 5 48 |
| S 31 | 6n52 | 5s40 | 3s33 | 12n38 | 0s16 | 19n15 | 1s37 | 23n57 | 0n33 | 6n 8 | 1n 7 | 14s30 | 1n59 | 23s54 | 0s20 | 16s14 | 1n43 | 17n 7 | 16n21 | 13s41 | 14s 4 | 2s 2 | 5s29 | 5n48 |

Julian Day Number = 2080676.5, Delta T = 25m41s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'17, Lahiri = 9°42'18 Julian Calendar 1 Aug. 984 == Greg. Calendar 6 Aug. 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## SEPTEMBER 984 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 2 2 | 13♍35'15 | 21♎ 1 | 26♌32 | 28♋15 | 7♋15 | 17♍22 | 14♏58 | 1°R 1 | 20♏11 | 24♍36 | 23°R40 | 22♒30 | 19♓37 | 1°R42 | M 1 |
| T 2 | 23 5 59 | 14°34'02 | 5♏40 | 27° 7 | 29°18 | 7°50 | 17°35 | 15° 2 | 1♑ 1 | 20°12 | 24°39 | 23♒38 | 22°27 | 19°43 | 1♓40 | T 2 |
| W 3 | 23 9 55 | 15°32'51 | 19°53 | 27°50 | 0♌22 | 8°25 | 17°48 | 15° 7 | 1° 1 | 20°13 | 24°41 | 23°35 | 22°24 | 19°50 | 1°37 | W 3 |
| T 4 | 23 13 52 | 16°31'42 | 3♐40 | 28°41 | 1°26 | 9° 0 | 18° 1 | 15°12 | 1° 1 | 20°15 | 24°43 | 23°34 | 22°20 | 19°57 | 1°34 | T 4 |
| F 5 | 23 17 49 | 17°30'34 | 17° 0 | 29°40 | 2°31 | 9°35 | 18°14 | 15°17 | 1°D 1 | 20°16 | 24°46 | 23°D33 | 22°17 | 20° 3 | 1°31 | F 5 |
| S 6 | 23 21 45 | 18°29'29 | 29°56 | 0♍47 | 3°35 | 10°10 | 18°27 | 15°21 | 1° 1 | 20°17 | 24°48 | 23°34 | 22°14 | 20°10 | 1°29 | S 6 |
| S 7 | 23 25 42 | 19°28'25 | 12♑31 | 1°59 | 4°40 | 10°45 | 18°40 | 15°26 | 1° 1 | 20°18 | 24°50 | 23°35 | 22°11 | 20°17 | 1°26 | S 7 |
| M 8 | 23 29 38 | 20°27'23 | 24°50 | 3°18 | 5°46 | 11°19 | 18°53 | 15°31 | 1° 1 | 20°20 | 24°53 | 23°37 | 22° 8 | 20°23 | 1°24 | M 8 |
| T 9 | 23 33 35 | 21°26'22 | 6♒55 | 4°41 | 6°51 | 11°53 | 19° 6 | 15°36 | 1° 1 | 20°21 | 24°55 | 23°38 | 22° 5 | 20°30 | 1°21 | T 9 |
| W10 | 23 37 31 | 22°25'24 | 18°52 | 6° 9 | 7°57 | 12°28 | 19°19 | 15°41 | 1° 2 | 20°23 | 24°57 | 23°R39 | 22° 1 | 20°37 | 1°18 | W10 |
| T 11 | 23 41 28 | 23°24'27 | 0♓44 | 7°41 | 9° 3 | 13° 2 | 19°32 | 15°46 | 1° 2 | 20°24 | 25° 0 | 23°39 | 21°58 | 20°43 | 1°16 | T 11 |
| F 12 | 23 45 24 | 24°23'33 | 12°32 | 9°16 | 10° 9 | 13°36 | 19°45 | 15°52 | 1° 2 | 20°25 | 25° 2 | 23°37 | 21°55 | 20°50 | 1°13 | F 12 |
| S 13 | 23 49 21 | 25°22'40 | 24°21 | 10°54 | 11°15 | 14° 9 | 19°58 | 15°57 | 1° 3 | 20°27 | 25° 4 | 23°34 | 21°52 | 20°57 | 1°11 | S 13 |
| S 14 | 23 53 17 | 26°21'49 | 6♈12 | 12°33 | 12°22 | 14°43 | 20°11 | 16° 2 | 1° 3 | 20°28 | 25° 7 | 23°30 | 21°49 | 21° 3 | 1° 8 | S 14 |
| M15 | 23 57 14 | 27°21'01 | 18° 6 | 14°15 | 13°29 | 15°16 | 20°24 | 16° 8 | 1° 4 | 20°30 | 25° 9 | 23°24 | 21°46 | 21°10 | 1° 6 | M15 |
| T 16 | 0 1 11 | 28°20'15 | 0♉ 6 | 15°58 | 14°36 | 15°50 | 20°37 | 16°13 | 1° 4 | 20°31 | 25°11 | 23°17 | 21°42 | 21°17 | 1° 3 | T 16 |
| W17 | 0 5 7 | 29°19'31 | 12°14 | 17°42 | 15°43 | 16°23 | 20°50 | 16°19 | 1° 5 | 20°33 | 25°14 | 23°11 | 21°39 | 21°23 | 1° 1 | W17 |
| T 18 | 0 9 4 | 0♎18'49 | 24°31 | 19°26 | 16°51 | 16°56 | 21° 2 | 16°24 | 1° 5 | 20°34 | 25°16 | 23° 5 | 21°36 | 21°30 | 0°59 | T 18 |
| F 19 | 0 13 0 | 1°18'10 | 7♊ 1 | 21°11 | 17°58 | 17°29 | 21°15 | 16°30 | 1° 6 | 20°36 | 25°18 | 23° 1 | 21°33 | 21°37 | 0°56 | F 19 |
| S 20 | 0 16 57 | 2°17'33 | 19°46 | 22°56 | 19° 6 | 18° 2 | 21°28 | 16°36 | 1° 7 | 20°38 | 25°21 | 22°59 | 21°30 | 21°43 | 0°54 | S 20 |
| S 21 | 0 20 53 | 3°16'59 | 2♋50 | 24°42 | 20°15 | 18°34 | 21°41 | 16°41 | 1° 8 | 20°39 | 25°23 | 22°D58 | 21°26 | 21°50 | 0°52 | S 21 |
| M22 | 0 24 50 | 4°16'27 | 16°15 | 26°27 | 21°23 | 19° 7 | 21°54 | 16°47 | 1° 9 | 20°41 | 25°25 | 22°58 | 21°23 | 21°57 | 0°50 | M22 |
| T 23 | 0 28 46 | 5°15'57 | 0♌ 4 | 28°12 | 22°31 | 19°39 | 22° 7 | 16°53 | 1°10 | 20°43 | 25°28 | 23° 0 | 21°20 | 22° 3 | 0°47 | T 23 |
| W24 | 0 32 43 | 6°15'30 | 14°18 | 29°57 | 23°40 | 20°11 | 22°20 | 16°59 | 1°10 | 20°44 | 25°30 | 23° 1 | 21°17 | 22°10 | 0°45 | W24 |
| T 25 | 0 36 40 | 7°15'04 | 28°55 | 1♎41 | 24°49 | 20°43 | 22°33 | 17° 5 | 1°12 | 20°46 | 25°32 | 23°R 1 | 21°14 | 22°17 | 0°43 | T 25 |
| F 26 | 0 40 36 | 8°14'42 | 13♍52 | 3°25 | 25°58 | 21°15 | 22°45 | 17°11 | 1°13 | 20°48 | 25°34 | 22°59 | 21°11 | 22°23 | 0°41 | F 26 |
| S 27 | 0 44 33 | 9°14'21 | 29° 1 | 5° 9 | 27° 7 | 21°46 | 22°58 | 17°17 | 1°14 | 20°50 | 25°37 | 22°55 | 21° 7 | 22°30 | 0°39 | S 27 |
| S 28 | 0 48 29 | 10°14'02 | 14♎14 | 6°52 | 28°16 | 22°18 | 23°11 | 17°23 | 1°15 | 20°52 | 25°39 | 22°49 | 21° 4 | 22°37 | 0°37 | S 28 |
| M29 | 0 52 26 | 11°13'46 | 29°20 | 8°34 | 29°26 | 22°49 | 23°23 | 17°29 | 1°16 | 20°53 | 25°41 | 22°42 | 21° 1 | 22°43 | 0°35 | M29 |
| T 30 | 0 56 22 | 12♎13'31 | 14♏ 9 | 10♎16 | 0♍36 | 23♋20 | 23♍36 | 17♏35 | 1♑17 | 20♏55 | 25♍44 | 22♒34 | 20♒58 | 22♓50 | 0♓33 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n29 | 12s21 | 4s26 | 12n46 | 0n 1 | 19n 8 | 1s32 | 23n56 | 0n34 | 6n 3 | 1n 7 | 14s32 | 1n59 | 23s54 | 0s20 | 16s14 | 1n43 | 17n 6 | 16n20 | 13s42 | 14s 5 | 1s59 | 5s30 | 5n48 |
| T 2 | 6 7 | 18 11 | 5 0 | 12 49 | 0 17 | 19 0 | 1 26 | 23 55 | 0 35 | 5 58 | 1 7 | 14 33 | 1 58 | 23 54 | 0 20 | 16 15 | 1 43 | 17 5 | 16 20 | 13 43 | 14 6 | 1 55 | 5 31 | 5 48 |
| W 3 | 5 44 | 22 51 | 5 15 | 12 48 | 0 32 | 18 52 | 1 21 | 23 54 | 0 36 | 5 53 | 1 7 | 14 35 | 1 58 | 23 54 | 0 20 | 16 15 | 1 43 | 17 4 | 16 20 | 13 44 | 14 8 | 1 52 | 5 32 | 5 48 |
| T 4 | 5 21 | 26 5 | 5 10 | 12 42 | 0 45 | 18 43 | 1 16 | 23 53 | 0 37 | 5 48 | 1 7 | 14 36 | 1 58 | 23 54 | 0 20 | 16 15 | 1 43 | 17 3 | 16 20 | 13 44 | 14 9 | 1 49 | 5 33 | 5 48 |
| F 5 | 4 58 | 27 44 | 4 49 | 12 33 | 0 58 | 18 33 | 1 11 | 23 52 | 0 38 | 5 43 | 1 7 | 14 38 | 1 58 | 23 54 | 0 20 | 16 16 | 1 43 | 17 2 | 16 20 | 13 45 | 14 10 | 1 45 | 5 35 | 5 48 |
| S 6 | 4 35 | 27 48 | 4 14 | 12 20 | 1 9 | 18 23 | 1 6 | 23 50 | 0 39 | 5 38 | 1 8 | 14 39 | 1 57 | 23 54 | 0 20 | 16 16 | 1 43 | 17 1 | 16 20 | 13 44 | 14 11 | 1 42 | 5 36 | 5 48 |
| S 7 | 4 11 | 26 25 | 3 27 | 12 3 | 1 18 | 18 13 | 1 1 | 23 48 | 0 40 | 5 33 | 1 8 | 14 41 | 1 57 | 23 54 | 0 20 | 16 17 | 1 43 | 17 0 | 16 20 | 13 44 | 14 12 | 1 38 | 5 37 | 5 47 |
| M 8 | 3 48 | 23 46 | 2 32 | 11 42 | 1 27 | 18 2 | 0 56 | 23 47 | 0 42 | 5 28 | 1 8 | 14 43 | 1 57 | 23 54 | 0 20 | 16 17 | 1 43 | 16 59 | 16 20 | 13 43 | 14 13 | 1 35 | 5 38 | 5 47 |
| T 9 | 3 25 | 20 6 | 1 31 | 11 18 | 1 34 | 17 51 | 0 51 | 23 45 | 0 43 | 5 22 | 1 8 | 14 44 | 1 57 | 23 54 | 0 20 | 16 17 | 1 42 | 16 58 | 16 20 | 13 43 | 14 14 | 1 32 | 5 39 | 5 47 |
| W10 | 3 1 | 15 40 | 0 26 | 10 51 | 1 40 | 17 39 | 0 46 | 23 43 | 0 44 | 5 17 | 1 8 | 14 46 | 1 57 | 23 54 | 0 20 | 16 18 | 1 42 | 16 57 | 16 20 | 13 43 | 14 15 | 1 28 | 5 40 | 5 47 |
| T 11 | 2 38 | 10 40 | 0n39 | 10 21 | 1 45 | 17 26 | 0 41 | 23 41 | 0 45 | 5 12 | 1 8 | 14 48 | 1 57 | 23 54 | 0 20 | 16 18 | 1 42 | 16 56 | 16 20 | 13 43 | 14 16 | 1 25 | 5 41 | 5 47 |
| F 12 | 2 14 | 5 20 | 1 42 | 9 49 | 1 49 | 17 13 | 0 36 | 23 38 | 0 46 | 5 7 | 1 8 | 14 49 | 1 56 | 23 54 | 0 20 | 16 19 | 1 42 | 16 55 | 16 20 | 13 43 | 14 17 | 1 22 | 5 42 | 5 47 |
| S 13 | 1 51 | 0n11 | 2 40 | 9 15 | 1 52 | 16 59 | 0 32 | 23 36 | 0 47 | 5 2 | 1 8 | 14 51 | 1 56 | 23 54 | 0 20 | 16 19 | 1 42 | 16 54 | 16 20 | 13 44 | 14 18 | 1 18 | 5 43 | 5 46 |
| S 14 | 1 27 | 5 42 | 3 32 | 8 38 | 1 54 | 16 45 | 0 27 | 23 33 | 0 48 | 4 57 | 1 8 | 14 53 | 1 56 | 23 54 | 0 20 | 16 19 | 1 42 | 16 53 | 16 20 | 13 46 | 14 19 | 1 15 | 5 44 | 5 46 |
| M15 | 1 4 | 11 3 | 4 14 | 8 0 | 1 55 | 16 31 | 0 22 | 23 31 | 0 49 | 4 52 | 1 8 | 14 54 | 1 56 | 23 54 | 0 20 | 16 20 | 1 42 | 16 52 | 16 20 | 13 48 | 14 20 | 1 12 | 5 45 | 5 46 |
| T 16 | 0 40 | 16 1 | 4 46 | 7 20 | 1 55 | 16 16 | 0 18 | 23 28 | 0 51 | 4 47 | 1 8 | 14 56 | 1 56 | 23 54 | 0 20 | 16 20 | 1 42 | 16 52 | 16 20 | 13 50 | 14 21 | 1 8 | 5 46 | 5 46 |
| W17 | 0 16 | 20 25 | 5 5 | 6 39 | 1 55 | 16 0 | 0 13 | 23 25 | 0 52 | 4 42 | 1 8 | 14 58 | 1 55 | 23 54 | 0 20 | 16 21 | 1 42 | 16 51 | 16 20 | 13 52 | 14 22 | 1 5 | 5 47 | 5 46 |
| T 18 | 0s 8 | 24 1 | 5 11 | 5 57 | 1 54 | 15 44 | 0 9 | 23 22 | 0 53 | 4 37 | 1 8 | 15 0 | 1 55 | 23 54 | 0 20 | 16 21 | 1 42 | 16 50 | 16 20 | 13 54 | 14 23 | 1 2 | 5 48 | 5 45 |
| F 19 | 0 31 | 26 33 | 5 2 | 5 13 | 1 52 | 15 28 | 0 4 | 23 19 | 0 54 | 4 32 | 1 8 | 15 1 | 1 55 | 23 54 | 0 20 | 16 22 | 1 42 | 16 49 | 16 21 | 13 55 | 14 24 | 0 58 | 5 49 | 5 45 |
| S 20 | 0 55 | 27 47 | 4 38 | 4 29 | 1 49 | 15 11 | 0n 0 | 23 16 | 0 55 | 4 26 | 1 8 | 15 3 | 1 55 | 23 54 | 0 20 | 16 22 | 1 42 | 16 48 | 16 21 | 13 56 | 14 25 | 0 55 | 5 50 | 5 45 |
| S 21 | 1 19 | 27 31 | 3 59 | 3 45 | 1 46 | 14 53 | 0 4 | 23 13 | 0 56 | 4 21 | 1 8 | 15 5 | 1 55 | 23 54 | 0 20 | 16 23 | 1 42 | 16 47 | 16 21 | 13 56 | 14 26 | 0 52 | 5 51 | 5 45 |
| M22 | 1 42 | 25 39 | 3 6 | 3 0 | 1 43 | 14 35 | 0 9 | 23 9 | 0 58 | 4 16 | 1 8 | 15 7 | 1 55 | 23 54 | 0 20 | 16 23 | 1 42 | 16 46 | 16 21 | 13 56 | 14 27 | 0 48 | 5 52 | 5 45 |
| T 23 | 2 6 | 22 13 | 2 1 | 2 14 | 1 39 | 14 17 | 0 13 | 23 6 | 0 59 | 4 11 | 1 8 | 15 9 | 1 54 | 23 54 | 0 20 | 16 24 | 1 42 | 16 46 | 16 21 | 13 56 | 14 28 | 0 45 | 5 53 | 5 44 |
| W24 | 2 30 | 17 23 | 0 47 | 1 28 | 1 35 | 13 58 | 0 17 | 23 2 | 1 0 | 4 6 | 1 8 | 15 10 | 1 54 | 23 54 | 0 20 | 16 24 | 1 42 | 16 45 | 16 21 | 13 55 | 14 29 | 0 42 | 5 54 | 5 44 |
| T 25 | 2 54 | 11 25 | 0s32 | 0 43 | 1 31 | 13 39 | 0 21 | 22 59 | 1 1 | 4 1 | 1 8 | 15 12 | 1 54 | 23 54 | 0 20 | 16 25 | 1 42 | 16 44 | 16 21 | 13 55 | 14 30 | 0 38 | 5 55 | 5 44 |
| F 26 | 3 17 | 4 41 | 1 50 | 0s 3 | 1 26 | 13 19 | 0 25 | 22 55 | 1 3 | 3 56 | 1 8 | 15 14 | 1 54 | 23 54 | 0 20 | 16 25 | 1 42 | 16 43 | 16 21 | 13 56 | 14 31 | 0 35 | 5 56 | 5 44 |
| S 27 | 3 41 | 2s23 | 3 2 | 0 49 | 1 21 | 12 59 | 0 29 | 22 51 | 1 4 | 3 51 | 1 8 | 15 16 | 1 54 | 23 54 | 0 20 | 16 26 | 1 42 | 16 42 | 16 21 | 13 57 | 14 32 | 0 32 | 5 57 | 5 43 |
| S 28 | 4 4 | 9 20 | 4 1 | 1 35 | 1 15 | 12 39 | 0 32 | 22 47 | 1 5 | 3 46 | 1 9 | 15 18 | 1 54 | 23 54 | 0 20 | 16 26 | 1 42 | 16 42 | 16 22 | 13 59 | 14 33 | 0 28 | 5 58 | 5 43 |
| M29 | 4 28 | 15 41 | 4 42 | 2 21 | 1 9 | 12 18 | 0 36 | 22 43 | 1 6 | 3 41 | 1 9 | 15 20 | 1 54 | 23 54 | 0 20 | 16 27 | 1 42 | 16 41 | 16 22 | 14 1 | 14 34 | 0 25 | 5 59 | 5 43 |
| T 30 | 4s51 | 21s 0 | 5s 4 | 3s 7 | 1n 4 | 11n57 | 0n40 | 22n39 | 1n 8 | 3n36 | 1n 9 | 15s22 | 1n53 | 23s54 | 0s20 | 16s27 | 1n41 | 16n40 | 16n22 | 14s 4 | 14s35 | 0s22 | 6s 0 | 5n43 |

Julian Day Number = 2080707.5, Delta T = 25m40s
Ecliptic obliquity = 23°34'23, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'22, Lahiri = 9°42'22 Julian Calendar 1 Sept. 984 == Greg. Calendar 6 Sept. 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## OCTOBER 984 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 1 0 19 | 13♎13'19 | 28♏33 | 11♎57 | 1♍45 | 23♋50 | 23♍49 | 17♏41 | 1♑19 | 20♏57 | 25♍46 | 22°R27 | 20♒55 | 22♓57 | 0°R31 | W 1 |
| T 2 | 1 4 15 | 14°13'08 | 12♐29 | 13°38 | 2°55 | 24°21 | 24° 1 | 17°48 | 1°20 | 20°59 | 25°48 | 22♒21 | 20°52 | 23° 3 | 0♓29 | T 2 |
| F 3 | 1 8 12 | 15°12'59 | 25°56 | 15°18 | 4° 6 | 24°51 | 24°14 | 17°54 | 1°21 | 21° 1 | 25°50 | 22°17 | 20°48 | 23°10 | 0°28 | F 3 |
| S 4 | 1 12 9 | 16°12'51 | 8♑55 | 16°58 | 5°16 | 25°22 | 24°27 | 18° 0 | 1°23 | 21° 3 | 25°53 | 22°15 | 20°45 | 23°17 | 0°26 | S 4 |
| S 5 | 1 16 5 | 17°12'46 | 21°30 | 18°37 | 6°26 | 25°52 | 24°39 | 18° 7 | 1°24 | 21° 5 | 25°55 | 22°D15 | 20°42 | 23°23 | 0°24 | S 5 |
| M 6 | 1 20 2 | 18°12'42 | 3♒45 | 20°15 | 7°37 | 26°21 | 24°52 | 18°13 | 1°26 | 21° 7 | 25°57 | 22°16 | 20°39 | 23°30 | 0°22 | M 6 |
| T 7 | 1 23 58 | 19°12'40 | 15°47 | 21°53 | 8°47 | 26°51 | 25° 4 | 18°20 | 1°28 | 21° 9 | 25°59 | 22°17 | 20°36 | 23°37 | 0°21 | T 7 |
| W 8 | 1 27 55 | 20°12'39 | 27°39 | 23°30 | 9°58 | 27°20 | 25°16 | 18°26 | 1°29 | 21°11 | 26° 1 | 22°R17 | 20°32 | 23°43 | 0°19 | W 8 |
| T 9 | 1 31 51 | 21°12'40 | 9♓27 | 25° 7 | 11° 9 | 27°50 | 25°29 | 18°33 | 1°31 | 21°13 | 26° 3 | 22°15 | 20°29 | 23°50 | 0°18 | T 9 |
| F 10 | 1 35 48 | 22°12'43 | 21°15 | 26°44 | 12°20 | 28°18 | 25°41 | 18°39 | 1°33 | 21°15 | 26° 6 | 22°11 | 20°26 | 23°57 | 0°16 | F 10 |
| S 11 | 1 39 44 | 23°12'47 | 3♈ 6 | 28°20 | 13°31 | 28°47 | 25°53 | 18°46 | 1°34 | 21°17 | 26° 8 | 22° 4 | 20°23 | 24° 3 | 0°15 | S 11 |
| S 12 | 1 43 41 | 24°12'54 | 15° 1 | 29°55 | 14°43 | 29°16 | 26° 6 | 18°52 | 1°36 | 21°19 | 26°10 | 21°55 | 20°20 | 24°10 | 0°14 | S 12 |
| M13 | 1 47 38 | 25°13'02 | 27° 4 | 1♏30 | 15°54 | 29°44 | 26°18 | 18°59 | 1°38 | 21°21 | 26°12 | 21°43 | 20°17 | 24°17 | 0°12 | M13 |
| T 14 | 1 51 34 | 26°13'12 | 9♉15 | 3° 5 | 17° 5 | 0♌12 | 26°30 | 19° 6 | 1°40 | 21°23 | 26°14 | 21°31 | 20°13 | 24°23 | 0°11 | T 14 |
| W15 | 1 55 31 | 27°13'24 | 21°35 | 4°39 | 18°17 | 0°40 | 26°42 | 19°13 | 1°42 | 21°25 | 26°16 | 21°19 | 20°10 | 24°30 | 0°10 | W15 |
| T 16 | 1 59 27 | 28°13'38 | 4♊ 5 | 6°13 | 19°29 | 1° 7 | 26°54 | 19°19 | 1°44 | 21°27 | 26°18 | 21° 7 | 20° 7 | 24°37 | 0° 9 | T 16 |
| F 17 | 2 3 24 | 29°13'54 | 16°46 | 7°46 | 20°41 | 1°34 | 27° 6 | 19°26 | 1°46 | 21°29 | 26°20 | 20°58 | 20° 4 | 24°43 | 0° 8 | F 17 |
| S 18 | 2 7 20 | 0♏14'13 | 29°39 | 9°19 | 21°53 | 2° 1 | 27°18 | 19°33 | 1°48 | 21°31 | 26°22 | 20°52 | 20° 1 | 24°50 | 0° 7 | S 18 |
| S 19 | 2 11 17 | 1°14'33 | 12♋45 | 10°52 | 23° 5 | 2°28 | 27°30 | 19°40 | 1°50 | 21°33 | 26°24 | 20°48 | 19°57 | 24°57 | 0° 6 | S 19 |
| M20 | 2 15 13 | 2°14'55 | 26° 7 | 12°24 | 24°17 | 2°55 | 27°41 | 19°47 | 1°52 | 21°36 | 26°26 | 20°46 | 19°54 | 25° 3 | 0° 5 | M20 |
| T 21 | 2 19 10 | 3°15'19 | 9♌47 | 13°56 | 25°29 | 3°21 | 27°53 | 19°53 | 1°55 | 21°38 | 26°28 | 20°D46 | 19°51 | 25°10 | 0° 4 | T 21 |
| W22 | 2 23 7 | 4°15'45 | 23°46 | 15°28 | 26°42 | 3°47 | 28° 5 | 20° 0 | 1°57 | 21°40 | 26°30 | 20°R46 | 19°48 | 25°17 | 0° 3 | W22 |
| T 23 | 2 27 3 | 5°16'13 | 8♍ 5 | 16°59 | 27°54 | 4°12 | 28°17 | 20° 7 | 1°59 | 21°42 | 26°32 | 20°45 | 19°45 | 25°23 | 0° 2 | T 23 |
| F 24 | 2 31 0 | 6°16'43 | 22°42 | 18°30 | 29° 7 | 4°38 | 28°28 | 20°14 | 2° 2 | 21°44 | 26°34 | 20°42 | 19°42 | 25°30 | 0° 1 | F 24 |
| S 25 | 2 34 56 | 7°17'15 | 7♎32 | 20° 1 | 0♎19 | 5° 3 | 28°40 | 20°21 | 2° 4 | 21°47 | 26°36 | 20°36 | 19°38 | 25°37 | 0° 1 | S 25 |
| S 26 | 2 38 53 | 8°17'48 | 22°30 | 21°31 | 1°32 | 5°27 | 28°51 | 20°28 | 2° 6 | 21°49 | 26°38 | 20°27 | 19°35 | 25°43 | 0° 0 | S 26 |
| M27 | 2 42 49 | 9°18'24 | 7♏25 | 23° 1 | 2°45 | 5°52 | 29° 2 | 20°35 | 2° 9 | 21°51 | 26°40 | 20°16 | 19°32 | 25°50 | 29♒59 | M27 |
| T 28 | 2 46 46 | 10°19'01 | 22° 9 | 24°31 | 3°58 | 6°16 | 29°14 | 20°42 | 2°11 | 21°53 | 26°42 | 20° 4 | 19°29 | 25°57 | 29°59 | T 28 |
| W29 | 2 50 42 | 11°19'39 | 6♐34 | 26° 0 | 5°11 | 6°40 | 29°25 | 20°49 | 2°14 | 21°55 | 26°43 | 19°53 | 19°26 | 26° 3 | 29°59 | W29 |
| T 30 | 2 54 39 | 12°20'19 | 20°34 | 27°29 | 6°24 | 7° 3 | 29°36 | 20°56 | 2°16 | 21°58 | 26°45 | 19°43 | 19°23 | 26°10 | 29°58 | T 30 |
| F 31 | 2 58 36 | 13♏21'00 | 4♑ 5 | 28♏58 | 7♎37 | 7♌26 | 29♍47 | 21♏ 3 | 2♑19 | 22♏ 0 | 26♍47 | 19♒35 | 19♒19 | 26♓17 | 29♒58 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s15 | 24s55 | 5s 6 | 3s52 | 0n58 | 11n35 | 0n43 | 22n35 | 1n 9 | 3n31 | 1n 9 | 15s23 | 1n53 | 23s54 | 0s20 | 16s28 | 1n41 | 16n39 | 16n22 | 14s 6 | 14s36 | 0s18 | 6s 1 | 5n42 |
| T 2 | 5 38 | 27 11 | 4 49 | 4 37 | 0 52 | 11 13 | 0 47 | 22 31 | 1 10 | 3 26 | 1 9 | 15 25 | 1 53 | 23 54 | 0 20 | 16 28 | 1 41 | 16 39 | 16 22 | 14 8 | 14 37 | 0 15 | 6 2 | 5 42 |
| F 3 | 6 2 | 27 47 | 4 16 | 5 22 | 0 45 | 10 50 | 0 50 | 22 27 | 1 12 | 3 21 | 1 9 | 15 27 | 1 53 | 23 53 | 0 20 | 16 29 | 1 41 | 16 38 | 16 23 | 14 10 | 14 38 | 0 12 | 6 2 | 5 42 |
| S 4 | 6 25 | 26 47 | 3 31 | 6 6 | 0 39 | 10 28 | 0 53 | 22 23 | 1 13 | 3 16 | 1 9 | 15 29 | 1 53 | 23 53 | 0 20 | 16 29 | 1 41 | 16 37 | 16 23 | 14 10 | 14 39 | 0 8 | 6 3 | 5 41 |
| S 5 | 6 48 | 24 26 | 2 38 | 6 50 | 0 32 | 10 5 | 0 57 | 22 18 | 1 14 | 3 12 | 1 9 | 15 31 | 1 53 | 23 53 | 0 20 | 16 30 | 1 41 | 16 37 | 16 23 | 14 10 | 14 40 | 0 5 | 6 4 | 5 41 |
| M 6 | 7 11 | 21 0 | 1 38 | 7 33 | 0 26 | 9 41 | 1 0 | 22 14 | 1 16 | 3 7 | 1 9 | 15 33 | 1 53 | 23 53 | 0 20 | 16 30 | 1 41 | 16 36 | 16 23 | 14 10 | 14 41 | 0 2 | 6 5 | 5 41 |
| T 7 | 7 34 | 16 45 | 0 35 | 8 16 | 0 19 | 9 17 | 1 3 | 22 10 | 1 17 | 3 2 | 1 9 | 15 35 | 1 52 | 23 53 | 0 20 | 16 31 | 1 41 | 16 35 | 16 23 | 14 10 | 14 42 | 0n 2 | 6 6 | 5 41 |
| W 8 | 7 56 | 11 54 | 0n29 | 8 59 | 0 13 | 8 53 | 1 6 | 22 5 | 1 18 | 2 57 | 1 9 | 15 37 | 1 52 | 23 53 | 0 19 | 16 32 | 1 41 | 16 35 | 16 24 | 14 10 | 14 43 | 0 5 | 6 7 | 5 40 |
| T 9 | 8 19 | 6 40 | 1 31 | 9 41 | 0 6 | 8 29 | 1 9 | 22 1 | 1 20 | 2 52 | 1 9 | 15 39 | 1 52 | 23 53 | 0 19 | 16 32 | 1 41 | 16 34 | 16 24 | 14 10 | 14 44 | 0 8 | 6 7 | 5 40 |
| F 10 | 8 42 | 1 13 | 2 28 | 10 22 | 0s 1 | 8 4 | 1 11 | 21 56 | 1 21 | 2 47 | 1 10 | 15 41 | 1 52 | 23 53 | 0 19 | 16 33 | 1 41 | 16 33 | 16 24 | 14 12 | 14 45 | 0 12 | 6 8 | 5 40 |
| S 11 | 9 4 | 4n17 | 3 20 | 11 3 | 0 7 | 7 39 | 1 14 | 21 52 | 1 23 | 2 42 | 1 10 | 15 42 | 1 52 | 23 53 | 0 19 | 16 33 | 1 41 | 16 33 | 16 24 | 14 14 | 14 46 | 0 15 | 6 9 | 5 39 |
| S 12 | 9 26 | 9 41 | 4 3 | 11 43 | 0 14 | 7 14 | 1 17 | 21 47 | 1 24 | 2 38 | 1 10 | 15 44 | 1 52 | 23 53 | 0 19 | 16 34 | 1 41 | 16 32 | 16 25 | 14 17 | 14 47 | 0 18 | 6 10 | 5 39 |
| M13 | 9 49 | 14 45 | 4 35 | 12 23 | 0 21 | 6 48 | 1 19 | 21 43 | 1 25 | 2 33 | 1 10 | 15 46 | 1 52 | 23 53 | 0 19 | 16 34 | 1 41 | 16 32 | 16 25 | 14 21 | 14 48 | 0 22 | 6 11 | 5 39 |
| T 14 | 10 11 | 19 19 | 4 56 | 13 2 | 0 27 | 6 23 | 1 22 | 21 38 | 1 27 | 2 28 | 1 10 | 15 48 | 1 52 | 23 53 | 0 19 | 16 35 | 1 41 | 16 31 | 16 25 | 14 25 | 14 49 | 0 25 | 6 11 | 5 38 |
| W15 | 10 32 | 23 7 | 5 2 | 13 40 | 0 34 | 5 57 | 1 24 | 21 33 | 1 28 | 2 23 | 1 10 | 15 50 | 1 52 | 23 53 | 0 19 | 16 36 | 1 41 | 16 30 | 16 26 | 14 29 | 14 51 | 0 28 | 6 12 | 5 38 |
| T 16 | 10 54 | 25 54 | 4 55 | 14 18 | 0 40 | 5 31 | 1 26 | 21 29 | 1 30 | 2 19 | 1 10 | 15 52 | 1 51 | 23 53 | 0 19 | 16 36 | 1 41 | 16 30 | 16 26 | 14 32 | 14 52 | 0 31 | 6 13 | 5 38 |
| F 17 | 11 16 | 27 26 | 4 33 | 14 55 | 0 47 | 5 4 | 1 28 | 21 24 | 1 31 | 2 14 | 1 10 | 15 54 | 1 51 | 23 53 | 0 19 | 16 37 | 1 41 | 16 29 | 16 26 | 14 35 | 14 53 | 0 35 | 6 13 | 5 38 |
| S 18 | 11 37 | 27 31 | 3 56 | 15 31 | 0 53 | 4 37 | 1 31 | 21 20 | 1 33 | 2 9 | 1 10 | 15 56 | 1 51 | 23 53 | 0 19 | 16 37 | 1 41 | 16 29 | 16 27 | 14 37 | 14 54 | 0 38 | 6 14 | 5 37 |
| S 19 | 11 58 | 26 4 | 3 7 | 16 7 | 1 0 | 4 11 | 1 33 | 21 15 | 1 34 | 2 5 | 1 10 | 15 58 | 1 51 | 23 53 | 0 19 | 16 38 | 1 41 | 16 28 | 16 27 | 14 39 | 14 55 | 0 41 | 6 15 | 5 37 |
| M20 | 12 19 | 23 7 | 2 7 | 16 41 | 1 6 | 3 44 | 1 34 | 21 10 | 1 36 | 2 0 | 1 11 | 16 0 | 1 51 | 23 53 | 0 19 | 16 38 | 1 41 | 16 28 | 16 27 | 14 39 | 14 56 | 0 45 | 6 15 | 5 37 |
| T 21 | 12 40 | 18 50 | 0 58 | 17 15 | 1 12 | 3 16 | 1 36 | 21 6 | 1 37 | 1 55 | 1 11 | 16 2 | 1 51 | 23 53 | 0 19 | 16 39 | 1 41 | 16 27 | 16 28 | 14 39 | 14 57 | 0 48 | 6 16 | 5 36 |
| W22 | 13 1 | 13 25 | 0s16 | 17 48 | 1 18 | 2 49 | 1 38 | 21 1 | 1 39 | 1 51 | 1 11 | 16 4 | 1 51 | 23 53 | 0 19 | 16 40 | 1 41 | 16 27 | 16 28 | 14 39 | 14 58 | 0 51 | 6 16 | 5 36 |
| T 23 | 13 21 | 7 11 | 1 30 | 18 20 | 1 23 | 2 22 | 1 39 | 20 56 | 1 41 | 1 46 | 1 11 | 16 6 | 1 51 | 23 53 | 0 19 | 16 40 | 1 41 | 16 26 | 16 28 | 14 39 | 14 59 | 0 55 | 6 17 | 5 36 |
| F 24 | 13 41 | 0 28 | 2 40 | 18 51 | 1 29 | 1 54 | 1 41 | 20 52 | 1 42 | 1 42 | 1 11 | 16 8 | 1 51 | 23 53 | 0 19 | 16 41 | 1 41 | 16 26 | 16 29 | 14 40 | 15 0 | 0 58 | 6 18 | 5 35 |
| S 25 | 14 1 | 6s23 | 3 41 | 19 22 | 1 35 | 1 26 | 1 42 | 20 47 | 1 44 | 1 37 | 1 11 | 16 9 | 1 51 | 23 53 | 0 19 | 16 41 | 1 41 | 16 26 | 16 29 | 14 42 | 15 1 | 1 1 | 6 18 | 5 35 |
| S 26 | 14 21 | 12 55 | 4 26 | 19 51 | 1 40 | 0 58 | 1 44 | 20 43 | 1 45 | 1 33 | 1 11 | 16 11 | 1 51 | 23 53 | 0 19 | 16 42 | 1 41 | 16 25 | 16 29 | 14 45 | 15 2 | 1 5 | 6 19 | 5 35 |
| M27 | 14 40 | 18 40 | 4 53 | 20 19 | 1 45 | 0 30 | 1 45 | 20 38 | 1 47 | 1 29 | 1 11 | 16 13 | 1 50 | 23 53 | 0 19 | 16 42 | 1 41 | 16 25 | 16 30 | 14 49 | 15 3 | 1 8 | 6 19 | 5 34 |
| T 28 | 15 0 | 23 14 | 5 0 | 20 47 | 1 50 | 0 2 | 1 46 | 20 34 | 1 49 | 1 24 | 1 12 | 16 15 | 1 50 | 23 53 | 0 19 | 16 43 | 1 41 | 16 24 | 16 30 | 14 52 | 15 4 | 1 11 | 6 20 | 5 34 |
| W29 | 15 19 | 26 15 | 4 48 | 21 13 | 1 55 | 0s26 | 1 47 | 20 29 | 1 50 | 1 20 | 1 12 | 16 17 | 1 50 | 23 53 | 0 19 | 16 44 | 1 41 | 16 24 | 16 31 | 14 56 | 15 5 | 1 15 | 6 20 | 5 34 |
| T 30 | 15 38 | 27 32 | 4 19 | 21 38 | 1 59 | 0 54 | 1 48 | 20 25 | 1 52 | 1 15 | 1 12 | 16 19 | 1 50 | 23 53 | 0 19 | 16 44 | 1 41 | 16 24 | 16 31 | 14 59 | 15 6 | 1 18 | 6 21 | 5 33 |
| F 31 | 15s56 | 27s 6 | 3s35 | 22s 2 | 2s 3 | 1s22 | 1n49 | 20n21 | 1n54 | 1n11 | 1n12 | 16s21 | 1n50 | 23s52 | 0s19 | 16s45 | 1n41 | 16n23 | 16n31 | 15s 2 | 15s 7 | 1n21 | 6s21 | 5n33 |

Julian Day Number = 2080737.5, Delta T = 25m40s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'26, Lahiri = 9°42'26 Julian Calendar 1 Oct. 984 == Greg. Calendar 6 Oct. 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## NOVEMBER 984 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 2 32 | 14♏21'42 | 17♉ 9 | 0♐26 | 8♎50 | 7♌49 | 29♍58 | 21♏10 | 2♉22 | 22♏ 2 | 26♍49 | 19°R30 | 19♒16 | 26♓23 | 29°R58 | S 1 |
| S 2 | 3 6 29 | 15°22'26 | 29°47 | 1°53 | 10° 3 | 8°11 | 0♎ 9 | 21°17 | 2°24 | 22° 4 | 26°50 | 19♒28 | 19°13 | 26°30 | 29♒57 | S 2 |
| M 3 | 3 10 25 | 16°23'11 | 12♒ 5 | 3°20 | 11°17 | 8°33 | 0°20 | 21°24 | 2°27 | 22° 7 | 26°52 | 19°27 | 19°10 | 26°37 | 29°57 | M 3 |
| T 4 | 3 14 22 | 17°23'56 | 24° 7 | 4°47 | 12°30 | 8°55 | 0°31 | 21°31 | 2°30 | 22° 9 | 26°54 | 19°27 | 19° 7 | 26°43 | 29°57 | T 4 |
| W 5 | 3 18 18 | 18°24'43 | 6♓ 0 | 6°12 | 13°43 | 9°16 | 0°41 | 21°39 | 2°33 | 22°11 | 26°55 | 19°27 | 19° 3 | 26°50 | 29°D57 | W 5 |
| T 6 | 3 22 15 | 19°25'31 | 17°48 | 7°37 | 14°57 | 9°37 | 0°52 | 21°46 | 2°35 | 22°13 | 26°57 | 19°24 | 19° 0 | 26°57 | 29°57 | T 6 |
| F 7 | 3 26 11 | 20°26'19 | 29°37 | 9° 1 | 16°10 | 9°57 | 1° 2 | 21°53 | 2°38 | 22°16 | 26°59 | 19°20 | 18°57 | 27° 3 | 29°57 | F 7 |
| S 8 | 3 30 8 | 21°27'09 | 11♈30 | 10°24 | 17°24 | 10°17 | 1°13 | 22° 0 | 2°41 | 22°18 | 27° 0 | 19°12 | 18°54 | 27°10 | 29°57 | S 8 |
| S 9 | 3 34 5 | 22°28'00 | 23°32 | 11°46 | 18°38 | 10°37 | 1°23 | 22° 7 | 2°44 | 22°20 | 27° 2 | 19° 1 | 18°51 | 27°17 | 29°58 | S 9 |
| M10 | 3 38 1 | 23°28'52 | 5♉44 | 13° 6 | 19°51 | 10°56 | 1°33 | 22°14 | 2°47 | 22°22 | 27° 3 | 18°48 | 18°48 | 27°23 | 29°58 | M10 |
| T 11 | 3 41 58 | 24°29'45 | 18° 9 | 14°25 | 21° 5 | 11°15 | 1°44 | 22°21 | 2°50 | 22°25 | 27° 5 | 18°34 | 18°44 | 27°30 | 29°58 | T 11 |
| W12 | 3 45 54 | 25°30'39 | 0♊45 | 15°42 | 22°19 | 11°34 | 1°54 | 22°28 | 2°53 | 22°27 | 27° 6 | 18°20 | 18°41 | 27°37 | 29°59 | W12 |
| T 13 | 3 49 51 | 26°31'34 | 13°34 | 16°57 | 23°33 | 11°52 | 2° 4 | 22°35 | 2°56 | 22°29 | 27° 8 | 18° 7 | 18°38 | 27°43 | 29°59 | T 13 |
| F 14 | 3 53 47 | 27°32'31 | 26°34 | 18°10 | 24°47 | 12° 9 | 2°13 | 22°42 | 2°59 | 22°31 | 27° 9 | 17°56 | 18°35 | 27°50 | 29°59 | F 14 |
| S 15 | 3 57 44 | 28°33'29 | 9♋45 | 19°19 | 26° 1 | 12°26 | 2°23 | 22°49 | 3° 2 | 22°34 | 27°10 | 17°48 | 18°32 | 27°57 | 0♓ 0 | S 15 |
| S 16 | 4 1 40 | 29°34'27 | 23° 6 | 20°26 | 27°15 | 12°43 | 2°33 | 22°56 | 3° 5 | 22°36 | 27°12 | 17°44 | 18°29 | 28° 3 | 0° 1 | S 16 |
| M17 | 4 5 37 | 0♐35'27 | 6♌37 | 21°28 | 28°29 | 12°59 | 2°42 | 23° 3 | 3° 8 | 22°38 | 27°13 | 17°42 | 18°25 | 28°10 | 0° 1 | M17 |
| T 18 | 4 9 34 | 1°36'29 | 20°20 | 22°27 | 29°43 | 13°14 | 2°52 | 23°11 | 3°11 | 22°40 | 27°14 | 17°D41 | 18°22 | 28°17 | 0° 2 | T 18 |
| W19 | 4 13 30 | 2°37'31 | 4♍14 | 23°20 | 0♏57 | 13°29 | 3° 1 | 23°18 | 3°15 | 22°43 | 27°15 | 17°R41 | 18°19 | 28°24 | 0° 3 | W19 |
| T 20 | 4 17 27 | 3°38'34 | 18°19 | 24° 9 | 2°12 | 13°44 | 3°10 | 23°25 | 3°18 | 22°45 | 27°17 | 17°41 | 18°16 | 28°30 | 0° 4 | T 20 |
| F 21 | 4 21 23 | 4°39'39 | 2♎36 | 24°50 | 3°26 | 13°58 | 3°19 | 23°32 | 3°21 | 22°47 | 27°18 | 17°38 | 18°13 | 28°37 | 0° 5 | F 21 |
| S 22 | 4 25 20 | 5°40'44 | 17° 3 | 25°25 | 4°40 | 14°11 | 3°28 | 23°39 | 3°24 | 22°49 | 27°19 | 17°32 | 18° 9 | 28°44 | 0° 6 | S 22 |
| S 23 | 4 29 16 | 6°41'51 | 1♏34 | 25°51 | 5°55 | 14°24 | 3°37 | 23°46 | 3°28 | 22°52 | 27°20 | 17°24 | 18° 6 | 28°50 | 0° 7 | S 23 |
| M24 | 4 33 13 | 7°42'59 | 16° 4 | 26° 9 | 7° 9 | 14°37 | 3°46 | 23°53 | 3°31 | 22°54 | 27°21 | 17°14 | 18° 3 | 28°57 | 0° 8 | M24 |
| T 25 | 4 37 9 | 8°44'07 | 0♐27 | 26°R17 | 8°23 | 14°49 | 3°55 | 23°59 | 3°34 | 22°56 | 27°22 | 17° 2 | 18° 0 | 29° 4 | 0° 9 | T 25 |
| W26 | 4 41 6 | 9°45'16 | 14°36 | 26°14 | 9°38 | 15° 0 | 4° 3 | 24° 6 | 3°38 | 22°58 | 27°23 | 16°51 | 17°57 | 29°10 | 0°10 | W26 |
| T 27 | 4 45 3 | 10°46'26 | 28°25 | 26° 0 | 10°52 | 15°10 | 4°12 | 24°13 | 3°41 | 23° 0 | 27°24 | 16°41 | 17°54 | 29°17 | 0°11 | T 27 |
| F 28 | 4 48 59 | 11°47'36 | 11♉52 | 25°35 | 12° 7 | 15°20 | 4°20 | 24°20 | 3°44 | 23° 3 | 27°25 | 16°34 | 17°50 | 29°24 | 0°12 | F 28 |
| S 29 | 4 52 56 | 12°48'47 | 24°55 | 24°58 | 13°21 | 15°30 | 4°28 | 24°27 | 3°48 | 23° 5 | 27°26 | 16°29 | 17°47 | 29°30 | 0°14 | S 29 |
| S 30 | 4 56 52 | 13♐49'57 | 7♒35 | 24♐ 9 | 14♏36 | 15♌38 | 4♎36 | 24♏34 | 3♉51 | 23♏ 7 | 27♍27 | 16♒27 | 17♒44 | 29♓37 | 0♓15 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s14 | 25s 9 | 2s42 | 22s25 | 2s 7 | 1s51 | 1n50 | 20n17 | 1n56 | 1n 7 | 1n12 | 16s23 | 1n50 | 23s52 | 0s19 | 16s45 | 1n41 | 16n23 | 16n32 | 15s 3 | 15s 8 | 1n25 | 6s22 | 5n32 |
| S 2 | 16 32 | 21 58 | 1 42 | 22 47 | 2 11 | 2 19 | 1 50 | 20 12 | 1 57 | 1 3 | 1 12 | 16 25 | 1 50 | 23 52 | 0 19 | 16 46 | 1 41 | 16 23 | 16 32 | 15 4 | 15 9 | 1 28 | 6 22 | 5 32 |
| M 3 | 16 50 | 17 53 | 0 39 | 23 8 | 2 14 | 2 47 | 1 51 | 20 8 | 1 59 | 0 58 | 1 12 | 16 27 | 1 50 | 23 52 | 0 19 | 16 47 | 1 41 | 16 23 | 16 33 | 15 4 | 15 10 | 1 31 | 6 22 | 5 32 |
| T 4 | 17 7 | 13 10 | 0n25 | 23 27 | 2 17 | 3 15 | 1 51 | 20 4 | 2 1 | 0 54 | 1 13 | 16 29 | 1 50 | 23 52 | 0 19 | 16 47 | 1 41 | 16 22 | 16 33 | 15 4 | 15 11 | 1 34 | 6 23 | 5 31 |
| W 5 | 17 24 | 8 1 | 1 26 | 23 45 | 2 20 | 3 44 | 1 52 | 20 0 | 2 3 | 0 50 | 1 13 | 16 30 | 1 50 | 23 52 | 0 19 | 16 48 | 1 41 | 16 22 | 16 33 | 15 4 | 15 12 | 1 38 | 6 23 | 5 31 |
| T 6 | 17 41 | 2 38 | 2 24 | 24 2 | 2 22 | 4 12 | 1 52 | 19 56 | 2 4 | 0 46 | 1 13 | 16 32 | 1 50 | 23 52 | 0 19 | 16 48 | 1 41 | 16 22 | 16 34 | 15 5 | 15 13 | 1 41 | 6 23 | 5 31 |
| F 7 | 17 57 | 2n50 | 3 15 | 24 17 | 2 23 | 4 40 | 1 52 | 19 53 | 2 6 | 0 42 | 1 13 | 16 34 | 1 50 | 23 52 | 0 19 | 16 49 | 1 41 | 16 22 | 16 34 | 15 7 | 15 14 | 1 44 | 6 24 | 5 30 |
| S 8 | 18 14 | 8 13 | 3 58 | 24 31 | 2 25 | 5 8 | 1 52 | 19 49 | 2 8 | 0 38 | 1 13 | 16 36 | 1 50 | 23 52 | 0 19 | 16 50 | 1 41 | 16 21 | 16 35 | 15 9 | 15 15 | 1 48 | 6 24 | 5 30 |
| S 9 | 18 29 | 13 23 | 4 31 | 24 44 | 2 26 | 5 36 | 1 53 | 19 45 | 2 10 | 0 34 | 1 13 | 16 38 | 1 50 | 23 52 | 0 19 | 16 50 | 1 41 | 16 21 | 16 35 | 15 12 | 15 16 | 1 51 | 6 24 | 5 30 |
| M10 | 18 45 | 18 5 | 4 52 | 24 55 | 2 26 | 6 4 | 1 52 | 19 42 | 2 12 | 0 30 | 1 14 | 16 40 | 1 50 | 23 52 | 0 19 | 16 51 | 1 41 | 16 21 | 16 36 | 15 16 | 15 17 | 1 54 | 6 24 | 5 29 |
| T 11 | 19 0 | 22 7 | 5 0 | 25 4 | 2 26 | 6 32 | 1 52 | 19 38 | 2 14 | 0 26 | 1 14 | 16 42 | 1 50 | 23 52 | 0 19 | 16 51 | 1 41 | 16 21 | 16 36 | 15 21 | 15 17 | 1 58 | 6 25 | 5 29 |
| W12 | 19 15 | 25 12 | 4 53 | 25 12 | 2 25 | 7 0 | 1 52 | 19 35 | 2 16 | 0 22 | 1 14 | 16 43 | 1 50 | 23 52 | 0 19 | 16 52 | 1 41 | 16 21 | 16 37 | 15 25 | 15 18 | 2 1 | 6 25 | 5 29 |
| T 13 | 19 29 | 27 2 | 4 31 | 25 18 | 2 23 | 7 28 | 1 52 | 19 32 | 2 18 | 0 19 | 1 14 | 16 45 | 1 50 | 23 52 | 0 19 | 16 52 | 1 41 | 16 21 | 16 37 | 15 29 | 15 19 | 2 4 | 6 25 | 5 28 |
| F 14 | 19 43 | 27 27 | 3 55 | 25 23 | 2 21 | 7 55 | 1 51 | 19 29 | 2 20 | 0 15 | 1 14 | 16 47 | 1 50 | 23 52 | 0 19 | 16 53 | 1 41 | 16 20 | 16 38 | 15 32 | 15 20 | 2 7 | 6 25 | 5 28 |
| S 15 | 19 57 | 26 18 | 3 6 | 25 26 | 2 18 | 8 23 | 1 51 | 19 26 | 2 22 | 0 11 | 1 14 | 16 49 | 1 50 | 23 52 | 0 19 | 16 54 | 1 41 | 16 20 | 16 38 | 15 35 | 15 21 | 2 11 | 6 25 | 5 28 |
| S 16 | 20 10 | 23 39 | 2 6 | 25 27 | 2 14 | 8 50 | 1 50 | 19 23 | 2 24 | 0 7 | 1 15 | 16 51 | 1 49 | 23 51 | 0 19 | 16 54 | 1 41 | 16 20 | 16 39 | 15 36 | 15 22 | 2 14 | 6 25 | 5 27 |
| M17 | 20 23 | 19 40 | 0 58 | 25 26 | 2 9 | 9 17 | 1 50 | 19 20 | 2 26 | 0 4 | 1 15 | 16 53 | 1 49 | 23 51 | 0 19 | 16 55 | 1 41 | 16 20 | 16 39 | 15 37 | 15 23 | 2 17 | 6 25 | 5 27 |
| T 18 | 20 36 | 14 34 | 0s14 | 25 24 | 2 3 | 9 44 | 1 49 | 19 18 | 2 28 | 0 0 | 1 15 | 16 54 | 1 49 | 23 51 | 0 19 | 16 55 | 1 41 | 16 20 | 16 40 | 15 37 | 15 24 | 2 21 | 6 26 | 5 27 |
| W19 | 20 48 | 8 40 | 1 26 | 25 20 | 1 56 | 10 11 | 1 48 | 19 15 | 2 30 | 0s 3 | 1 15 | 16 56 | 1 49 | 23 51 | 0 19 | 16 56 | 1 41 | 16 20 | 16 40 | 15 37 | 15 25 | 2 24 | 6 26 | 5 26 |
| T 20 | 21 0 | 2 16 | 2 35 | 25 15 | 1 48 | 10 37 | 1 47 | 19 13 | 2 32 | 0 7 | 1 15 | 16 58 | 1 49 | 23 51 | 0 19 | 16 56 | 1 41 | 16 20 | 16 41 | 15 37 | 15 26 | 2 27 | 6 26 | 5 26 |
| F 21 | 21 11 | 4s19 | 3 34 | 25 7 | 1 39 | 11 4 | 1 47 | 19 11 | 2 34 | 0 10 | 1 16 | 17 0 | 1 49 | 23 51 | 0 19 | 16 57 | 1 41 | 16 20 | 16 41 | 15 38 | 15 27 | 2 30 | 6 26 | 5 25 |
| S 22 | 21 22 | 10 44 | 4 21 | 24 58 | 1 29 | 11 30 | 1 46 | 19 9 | 2 36 | 0 14 | 1 16 | 17 1 | 1 49 | 23 51 | 0 19 | 16 57 | 1 41 | 16 20 | 16 42 | 15 40 | 15 28 | 2 34 | 6 26 | 5 25 |
| S 23 | 21 33 | 16 37 | 4 51 | 24 47 | 1 17 | 11 55 | 1 44 | 19 7 | 2 38 | 0 17 | 1 16 | 17 3 | 1 49 | 23 51 | 0 19 | 16 58 | 1 41 | 16 20 | 16 42 | 15 42 | 15 29 | 2 37 | 6 26 | 5 25 |
| M24 | 21 43 | 21 33 | 5 2 | 24 35 | 1 4 | 12 21 | 1 43 | 19 6 | 2 41 | 0 21 | 1 16 | 17 5 | 1 49 | 23 51 | 0 19 | 16 59 | 1 41 | 16 20 | 16 43 | 15 45 | 15 30 | 2 40 | 6 26 | 5 24 |
| T 25 | 21 53 | 25 8 | 4 54 | 24 20 | 0 49 | 12 46 | 1 42 | 19 5 | 2 43 | 0 24 | 1 16 | 17 7 | 1 49 | 23 51 | 0 19 | 16 59 | 1 41 | 16 20 | 16 44 | 15 49 | 15 31 | 2 44 | 6 26 | 5 24 |
| W26 | 22 2 | 27 7 | 4 28 | 24 4 | 0 33 | 13 11 | 1 41 | 19 3 | 2 45 | 0 27 | 1 17 | 17 8 | 1 49 | 23 51 | 0 19 | 17 0 | 1 41 | 16 20 | 16 44 | 15 52 | 15 32 | 2 47 | 6 25 | 5 24 |
| T 27 | 22 11 | 27 20 | 3 46 | 23 47 | 0 16 | 13 36 | 1 39 | 19 2 | 2 47 | 0 30 | 1 17 | 17 10 | 1 49 | 23 51 | 0 19 | 17 0 | 1 41 | 16 21 | 16 45 | 15 55 | 15 33 | 2 50 | 6 25 | 5 23 |
| F 28 | 22 20 | 25 55 | 2 53 | 23 28 | 0n 2 | 14 0 | 1 38 | 19 1 | 2 50 | 0 33 | 1 17 | 17 12 | 1 49 | 23 50 | 0 19 | 17 1 | 1 41 | 16 21 | 16 45 | 15 58 | 15 34 | 2 53 | 6 25 | 5 23 |
| S 29 | 22 28 | 23 6 | 1 52 | 23 7 | 0 21 | 14 24 | 1 37 | 19 1 | 2 52 | 0 36 | 1 17 | 17 13 | 1 49 | 23 50 | 0 19 | 17 1 | 1 41 | 16 21 | 16 46 | 15 59 | 15 35 | 2 57 | 6 25 | 5 23 |
| S 30 | 22s35 | 19s14 | 0s47 | 22s45 | 0n41 | 14s48 | 1n35 | 19n 0 | 2n54 | 0s39 | 1n17 | 17s15 | 1n49 | 23s50 | 0s19 | 17s 2 | 1n41 | 16n21 | 16n46 | 16s 0 | 15s36 | 3n 0 | 6s25 | 5n22 |

Julian Day Number = 2080768.5, Delta T = 25m39s
Ecliptic obliquity = 23°34'22, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'30, Lahiri = 9°42'30 Julian Calendar 1 Nov. 984 == Greg. Calendar 6 Nov. 984


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# ASTRODIENST EPHEMERIS for the year 984
# geocentric

## DECEMBER 984 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 5 0 49 | 14♐51'08 | 19♒55 | 23°R10 | 15♏50 | 15♌46 | 4♎44 | 24♏41 | 3♑54 | 23♏ 9 | 27♍28 | 16°D26 | 17♒41 | 29♓44 | 0♓17 | M 1 |
| T 2 | 5 4 45 | 15°52'19 | 2♓ 0 | 22♐ 2 | 17° 5 | 15°54 | 4°52 | 24°48 | 3°58 | 23°11 | 27°29 | 16♒27 | 17°38 | 29°50 | 0°18 | T 2 |
| W 3 | 5 8 42 | 16°53'30 | 13°54 | 20°47 | 18°20 | 16° 1 | 4°59 | 24°54 | 4° 1 | 23°13 | 27°30 | 16°R28 | 17°35 | 29°57 | 0°20 | W 3 |
| T 4 | 5 12 39 | 17°54'42 | 25°44 | 19°27 | 19°34 | 16° 7 | 5° 7 | 25° 1 | 4° 5 | 23°15 | 27°30 | 16°27 | 17°31 | 0♈ 4 | 0°21 | T 4 |
| F 5 | 5 16 35 | 18°55'53 | 7♈34 | 18° 4 | 20°49 | 16°12 | 5°14 | 25° 8 | 4° 8 | 23°17 | 27°31 | 16°25 | 17°28 | 0°10 | 0°23 | F 5 |
| S 6 | 5 20 32 | 19°57'04 | 19°30 | 16°43 | 22° 3 | 16°17 | 5°22 | 25°14 | 4°12 | 23°20 | 27°32 | 16°21 | 17°25 | 0°17 | 0°25 | S 6 |
| S 7 | 5 24 28 | 20°58'15 | 1♉35 | 15°24 | 23°18 | 16°21 | 5°29 | 25°21 | 4°15 | 23°22 | 27°32 | 16°14 | 17°22 | 0°24 | 0°26 | S 7 |
| M 8 | 5 28 25 | 21°59'26 | 13°54 | 14°12 | 24°33 | 16°24 | 5°36 | 25°28 | 4°19 | 23°24 | 27°33 | 16° 5 | 17°19 | 0°30 | 0°28 | M 8 |
| T 9 | 5 32 21 | 23° 0'37 | 26°29 | 13° 6 | 25°48 | 16°27 | 5°42 | 25°34 | 4°22 | 23°26 | 27°34 | 15°56 | 17°15 | 0°37 | 0°30 | T 9 |
| W10 | 5 36 18 | 24° 1'49 | 9♊20 | 12°10 | 27° 2 | 16°29 | 5°49 | 25°41 | 4°26 | 23°28 | 27°34 | 15°45 | 17°12 | 0°44 | 0°32 | W10 |
| T 11 | 5 40 14 | 25° 3'00 | 22°28 | 11°24 | 28°17 | 16°30 | 5°56 | 25°47 | 4°29 | 23°30 | 27°35 | 15°36 | 17° 9 | 0°51 | 0°34 | T 11 |
| F 12 | 5 44 11 | 26° 4'11 | 5♋50 | 10°48 | 29°32 | 16°R30 | 6° 2 | 25°54 | 4°33 | 23°32 | 27°35 | 15°29 | 17° 6 | 0°57 | 0°36 | F 12 |
| S 13 | 5 48 8 | 27° 5'22 | 19°26 | 10°22 | 0♐47 | 16°30 | 6° 8 | 26° 0 | 4°36 | 23°34 | 27°36 | 15°23 | 17° 3 | 1° 4 | 0°38 | S 13 |
| S 14 | 5 52 4 | 28° 6'33 | 3♌12 | 10° 6 | 2° 1 | 16°28 | 6°14 | 26° 7 | 4°40 | 23°36 | 27°36 | 15°21 | 17° 0 | 1°11 | 0°40 | S 14 |
| M15 | 5 56 1 | 29° 7'45 | 17° 6 | 10°D 1 | 3°16 | 16°26 | 6°20 | 26°13 | 4°44 | 23°38 | 27°36 | 15°D20 | 16°56 | 1°17 | 0°42 | M15 |
| T 16 | 5 59 57 | 0♑ 8'56 | 1♍ 6 | 10° 4 | 4°31 | 16°24 | 6°26 | 26°19 | 4°47 | 23°40 | 27°37 | 15°21 | 16°53 | 1°24 | 0°44 | T 16 |
| W17 | 6 3 54 | 1°10'07 | 15°10 | 10°15 | 5°46 | 16°20 | 6°32 | 26°25 | 4°51 | 23°41 | 27°37 | 15°22 | 16°50 | 1°31 | 0°47 | W17 |
| T 18 | 6 7 50 | 2°11'19 | 29°16 | 10°35 | 7° 1 | 16°16 | 6°37 | 26°32 | 4°54 | 23°43 | 27°37 | 15°R23 | 16°47 | 1°37 | 0°49 | T 18 |
| F 19 | 6 11 47 | 3°12'30 | 13♎25 | 11° 1 | 8°16 | 16°10 | 6°42 | 26°38 | 4°58 | 23°45 | 27°38 | 15°22 | 16°44 | 1°44 | 0°51 | F 19 |
| S 20 | 6 15 43 | 4°13'42 | 27°33 | 11°34 | 9°31 | 16° 4 | 6°47 | 26°44 | 5° 1 | 23°47 | 27°38 | 15°20 | 16°41 | 1°51 | 0°54 | S 20 |
| S 21 | 6 19 40 | 5°14'53 | 11♏40 | 12°12 | 10°45 | 15°58 | 6°52 | 26°50 | 5° 5 | 23°49 | 27°38 | 15°16 | 16°37 | 1°57 | 0°56 | S 21 |
| M22 | 6 23 37 | 6°16'05 | 25°41 | 12°56 | 12° 0 | 15°50 | 6°57 | 26°56 | 5° 8 | 23°51 | 27°38 | 15°10 | 16°34 | 2° 4 | 0°58 | M22 |
| T 23 | 6 27 33 | 7°17'16 | 9♐35 | 13°44 | 13°15 | 15°42 | 7° 2 | 27° 2 | 5°12 | 23°52 | 27°38 | 15° 4 | 16°31 | 2°11 | 1° 1 | T 23 |
| W24 | 6 31 30 | 8°18'27 | 23°17 | 14°36 | 14°30 | 15°32 | 7° 6 | 27° 8 | 5°16 | 23°54 | 27°38 | 14°57 | 16°28 | 2°17 | 1° 4 | W24 |
| T 25 | 6 35 26 | 9°19'38 | 6♑44 | 15°32 | 15°45 | 15°22 | 7°11 | 27°14 | 5°19 | 23°56 | 27°R38 | 14°52 | 16°25 | 2°24 | 1° 6 | T 25 |
| F 26 | 6 39 23 | 10°20'48 | 19°54 | 16°31 | 17° 0 | 15°11 | 7°15 | 27°20 | 5°23 | 23°58 | 27°38 | 14°48 | 16°21 | 2°31 | 1° 9 | F 26 |
| S 27 | 6 43 19 | 11°21'57 | 2♒46 | 17°33 | 18°15 | 15° 0 | 7°19 | 27°25 | 5°26 | 23°59 | 27°38 | 14°45 | 16°18 | 2°37 | 1°11 | S 27 |
| S 28 | 6 47 16 | 12°23'06 | 15°20 | 18°38 | 19°30 | 14°47 | 7°22 | 27°31 | 5°30 | 24° 1 | 27°38 | 14°D45 | 16°15 | 2°44 | 1°14 | S 28 |
| M29 | 6 51 13 | 13°24'14 | 27°39 | 19°46 | 20°45 | 14°34 | 7°26 | 27°37 | 5°33 | 24° 3 | 27°38 | 14°45 | 16°12 | 2°51 | 1°17 | M29 |
| T 30 | 6 55 9 | 14°25'21 | 9♓44 | 20°55 | 22° 0 | 14°20 | 7°29 | 27°42 | 5°37 | 24° 4 | 27°38 | 14°47 | 16° 9 | 2°58 | 1°20 | T 30 |
| W31 | 6 59 6 | 15♑26'27 | 21♓39 | 22♐ 7 | 23♐15 | 14♌ 5 | 7♎33 | 27♏48 | 5♑41 | 24♏ 6 | 27♍38 | 14♒49 | 16♒ 6 | 3♈ 4 | 1♓22 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s42 | 14s38 | 0n19 | 22s23 | 1n 1 | 15s11 | 1n33 | 19n 0 | 2n56 | 0s42 | 1n18 | 17s17 | 1n49 | 23s50 | 0s19 | 17s 2 | 1n41 | 16n21 | 16n47 | 16s 0 | 15s37 | 3n 3 | 6s25 | 5n22 |
| T 2 | 22 49 | 9 32 | 1 22 | 21 59 | 1 21 | 15 34 | 1 32 | 19 0 | 2 59 | 0 45 | 1 18 | 17 18 | 1 49 | 23 50 | 0 19 | 17 3 | 1 41 | 16 21 | 16 47 | 16 0 | 15 38 | 3 7 | 6 24 | 5 22 |
| W 3 | 22 55 | 4 11 | 2 21 | 21 35 | 1 41 | 15 56 | 1 30 | 19 0 | 3 1 | 0 48 | 1 18 | 17 20 | 1 49 | 23 50 | 0 19 | 17 3 | 1 41 | 16 22 | 16 48 | 15 59 | 15 39 | 3 10 | 6 24 | 5 21 |
| T 4 | 23 1 | 1n16 | 3 14 | 21 11 | 1 59 | 16 18 | 1 28 | 19 1 | 3 4 | 0 51 | 1 18 | 17 21 | 1 49 | 23 50 | 0 19 | 17 4 | 1 41 | 16 22 | 16 49 | 16 0 | 15 40 | 3 13 | 6 24 | 5 21 |
| F 5 | 23 6 | 6 40 | 3 59 | 20 47 | 2 15 | 16 40 | 1 26 | 19 1 | 3 6 | 0 54 | 1 19 | 17 23 | 1 49 | 23 50 | 0 19 | 17 4 | 1 41 | 16 22 | 16 49 | 16 0 | 15 41 | 3 16 | 6 24 | 5 21 |
| S 6 | 23 11 | 11 52 | 4 33 | 20 25 | 2 30 | 17 1 | 1 24 | 19 2 | 3 8 | 0 56 | 1 19 | 17 25 | 1 50 | 23 50 | 0 19 | 17 5 | 1 41 | 16 22 | 16 50 | 16 2 | 15 42 | 3 20 | 6 23 | 5 20 |
| S 7 | 23 16 | 16 42 | 4 56 | 20 4 | 2 43 | 17 22 | 1 23 | 19 3 | 3 11 | 0 59 | 1 19 | 17 26 | 1 50 | 23 50 | 0 19 | 17 5 | 1 41 | 16 23 | 16 50 | 16 4 | 15 43 | 3 23 | 6 23 | 5 20 |
| M 8 | 23 20 | 20 57 | 5 5 | 19 46 | 2 53 | 17 43 | 1 21 | 19 4 | 3 13 | 1 1 | 1 19 | 17 28 | 1 50 | 23 49 | 0 19 | 17 6 | 1 41 | 16 23 | 16 51 | 16 6 | 15 44 | 3 26 | 6 23 | 5 20 |
| T 9 | 23 23 | 24 20 | 5 0 | 19 31 | 3 0 | 18 3 | 1 18 | 19 6 | 3 16 | 1 4 | 1 19 | 17 29 | 1 50 | 23 49 | 0 19 | 17 6 | 1 41 | 16 23 | 16 51 | 16 9 | 15 45 | 3 29 | 6 22 | 5 20 |
| W10 | 23 26 | 26 35 | 4 40 | 19 18 | 3 6 | 18 22 | 1 16 | 19 8 | 3 18 | 1 6 | 1 20 | 17 31 | 1 50 | 23 49 | 0 19 | 17 7 | 1 41 | 16 23 | 16 52 | 16 12 | 15 46 | 3 33 | 6 22 | 5 19 |
| T 11 | 23 29 | 27 26 | 4 5 | 19 9 | 3 9 | 18 41 | 1 14 | 19 10 | 3 20 | 1 9 | 1 20 | 17 32 | 1 50 | 23 49 | 0 19 | 17 7 | 1 41 | 16 24 | 16 53 | 16 15 | 15 47 | 3 36 | 6 22 | 5 19 |
| F 12 | 23 31 | 26 43 | 3 16 | 19 3 | 3 10 | 18 59 | 1 12 | 19 12 | 3 23 | 1 11 | 1 20 | 17 34 | 1 50 | 23 49 | 0 19 | 17 8 | 1 41 | 16 24 | 16 53 | 16 17 | 15 48 | 3 39 | 6 21 | 5 19 |
| S 13 | 23 32 | 24 23 | 2 15 | 19 1 | 3 9 | 19 17 | 1 10 | 19 14 | 3 25 | 1 13 | 1 20 | 17 35 | 1 50 | 23 49 | 0 19 | 17 8 | 1 41 | 16 24 | 16 54 | 16 19 | 15 49 | 3 42 | 6 21 | 5 18 |
| S 14 | 23 34 | 20 36 | 1 5 | 19 1 | 3 6 | 19 35 | 1 8 | 19 17 | 3 28 | 1 15 | 1 21 | 17 37 | 1 50 | 23 49 | 0 19 | 17 9 | 1 41 | 16 25 | 16 54 | 16 19 | 15 50 | 3 46 | 6 20 | 5 18 |
| M15 | 23 34 | 15 39 | 0s10 | 19 4 | 3 3 | 19 52 | 1 5 | 19 20 | 3 30 | 1 18 | 1 21 | 17 38 | 1 50 | 23 49 | 0 19 | 17 9 | 1 41 | 16 25 | 16 55 | 16 20 | 15 51 | 3 49 | 6 20 | 5 18 |
| T 16 | 23 34 | 9 50 | 1 24 | 19 9 | 2 58 | 20 8 | 1 3 | 19 23 | 3 33 | 1 20 | 1 21 | 17 39 | 1 50 | 23 48 | 0 19 | 17 10 | 1 41 | 16 26 | 16 56 | 16 19 | 15 52 | 3 52 | 6 19 | 5 17 |
| W17 | 23 34 | 3 30 | 2 34 | 19 17 | 2 52 | 20 24 | 1 1 | 19 27 | 3 35 | 1 22 | 1 21 | 17 41 | 1 50 | 23 48 | 0 19 | 17 10 | 1 41 | 16 26 | 16 56 | 16 19 | 15 53 | 3 55 | 6 19 | 5 17 |
| T 18 | 23 33 | 3s 0 | 3 35 | 19 26 | 2 45 | 20 39 | 0 58 | 19 30 | 3 37 | 1 24 | 1 22 | 17 42 | 1 50 | 23 48 | 0 19 | 17 10 | 1 41 | 16 26 | 16 57 | 16 19 | 15 54 | 3 59 | 6 18 | 5 17 |
| F 19 | 23 32 | 9 21 | 4 23 | 19 37 | 2 37 | 20 53 | 0 56 | 19 34 | 3 40 | 1 25 | 1 22 | 17 44 | 1 50 | 23 48 | 0 19 | 17 11 | 1 41 | 16 27 | 16 57 | 16 19 | 15 55 | 4 2 | 6 18 | 5 17 |
| S 20 | 23 30 | 15 14 | 4 55 | 19 50 | 2 30 | 21 7 | 0 53 | 19 38 | 3 42 | 1 27 | 1 22 | 17 45 | 1 50 | 23 48 | 0 19 | 17 11 | 1 41 | 16 27 | 16 58 | 16 20 | 15 56 | 4 5 | 6 17 | 5 16 |
| S 21 | 23 28 | 20 18 | 5 9 | 20 3 | 2 21 | 21 21 | 0 51 | 19 43 | 3 45 | 1 29 | 1 22 | 17 46 | 1 50 | 23 48 | 0 19 | 17 12 | 1 41 | 16 28 | 16 59 | 16 21 | 15 56 | 4 8 | 6 17 | 5 16 |
| M22 | 23 25 | 24 13 | 5 5 | 20 17 | 2 13 | 21 33 | 0 48 | 19 47 | 3 47 | 1 31 | 1 23 | 17 48 | 1 50 | 23 48 | 0 19 | 17 12 | 1 41 | 16 28 | 16 59 | 16 23 | 15 57 | 4 12 | 6 16 | 5 16 |
| T 23 | 23 22 | 26 39 | 4 42 | 20 32 | 2 4 | 21 45 | 0 46 | 19 52 | 3 49 | 1 32 | 1 23 | 17 49 | 1 50 | 23 48 | 0 19 | 17 13 | 1 41 | 16 29 | 17 0 | 16 24 | 15 58 | 4 15 | 6 15 | 5 15 |
| W24 | 23 19 | 27 27 | 4 4 | 20 47 | 1 55 | 21 57 | 0 43 | 19 57 | 3 52 | 1 34 | 1 23 | 17 50 | 1 50 | 23 47 | 0 19 | 17 13 | 1 41 | 16 29 | 17 0 | 16 26 | 15 59 | 4 18 | 6 15 | 5 15 |
| T 25 | 23 15 | 26 36 | 3 12 | 21 2 | 1 45 | 22 8 | 0 41 | 20 2 | 3 54 | 1 35 | 1 23 | 17 51 | 1 50 | 23 47 | 0 19 | 17 13 | 1 41 | 16 30 | 17 1 | 16 28 | 16 0 | 4 21 | 6 14 | 5 15 |
| F 26 | 23 10 | 24 15 | 2 11 | 21 17 | 1 36 | 22 18 | 0 38 | 20 8 | 3 56 | 1 37 | 1 24 | 17 53 | 1 50 | 23 47 | 0 19 | 17 14 | 1 41 | 16 30 | 17 1 | 16 29 | 16 1 | 4 25 | 6 13 | 5 15 |
| S 27 | 23 5 | 20 42 | 1 5 | 21 33 | 1 27 | 22 28 | 0 36 | 20 13 | 3 59 | 1 38 | 1 24 | 17 54 | 1 51 | 23 47 | 0 19 | 17 14 | 1 41 | 16 31 | 17 2 | 16 30 | 16 2 | 4 28 | 6 13 | 5 14 |
| S 28 | 23 0 | 16 16 | 0n 3 | 21 48 | 1 18 | 22 36 | 0 33 | 20 19 | 4 1 | 1 39 | 1 24 | 17 55 | 1 51 | 23 47 | 0 19 | 17 14 | 1 42 | 16 31 | 17 3 | 16 30 | 16 3 | 4 31 | 6 12 | 5 14 |
| M29 | 22 54 | 11 16 | 1 10 | 22 2 | 1 9 | 22 45 | 0 30 | 20 25 | 4 3 | 1 40 | 1 24 | 17 56 | 1 51 | 23 47 | 0 19 | 17 15 | 1 42 | 16 32 | 17 3 | 16 30 | 16 4 | 4 34 | 6 11 | 5 14 |
| T 30 | 22 47 | 5 55 | 2 13 | 22 16 | 0 59 | 22 52 | 0 28 | 20 32 | 4 5 | 1 42 | 1 25 | 17 58 | 1 51 | 23 47 | 0 19 | 17 15 | 1 42 | 16 33 | 17 4 | 16 29 | 16 5 | 4 38 | 6 11 | 5 14 |
| W31 | 22s40 | 0s26 | 3n 9 | 22s30 | 0n50 | 22s59 | 0n25 | 20n38 | 4n 7 | 1s43 | 1n25 | 17s59 | 1n51 | 23s46 | 0s20 | 17s16 | 1n42 | 16n33 | 17n 4 | 16s29 | 16s 6 | 4n41 | 6s10 | 5n13 |

Julian Day Number = 2080798.5, Delta T = 25m39s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'34, Lahiri = 9°42'34 Julian Calendar 1 Dec. 984 == Greg. Calendar 6 Dec. 984


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## JANUARY 985 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 3 2 | 16♑27'32 | 3♈30 | 23♐20 | 24♐30 | 13°R50 | 7♎36 | 27♏53 | 5♑44 | 24♏ 7 | 27°R37 | 14♒50 | 16♒ 2 | 3♈11 | 1♓25 | T 1 |
| F 2 | 7 6 59 | 17°28'36 | 15°21 | 24°35 | 25°45 | 13♌33 | 7°39 | 27°59 | 5°48 | 24° 9 | 27♍37 | 14°R51 | 15°59 | 3°18 | 1°28 | F 2 |
| S 3 | 7 10 55 | 18°29'38 | 27°16 | 25°52 | 26°59 | 13°17 | 7°41 | 28° 4 | 5°51 | 24°10 | 27°37 | 14°51 | 15°56 | 3°24 | 1°31 | S 3 |
| S 4 | 7 14 52 | 19°30'40 | 9♉21 | 27°10 | 28°14 | 12°59 | 7°44 | 28°10 | 5°55 | 24°12 | 27°37 | 14°49 | 15°53 | 3°31 | 1°34 | S 4 |
| M 5 | 7 18 48 | 20°31'41 | 21°41 | 28°29 | 29°29 | 12°41 | 7°46 | 28°15 | 5°58 | 24°13 | 27°36 | 14°46 | 15°50 | 3°38 | 1°37 | M 5 |
| T 6 | 7 22 45 | 21°32'40 | 4♊19 | 29°49 | 0♑44 | 12°22 | 7°48 | 28°20 | 6° 2 | 24°15 | 27°36 | 14°43 | 15°47 | 3°44 | 1°40 | T 6 |
| W 7 | 7 26 42 | 22°33'39 | 17°17 | 1♑11 | 1°59 | 12° 2 | 7°50 | 28°25 | 6° 5 | 24°16 | 27°35 | 14°39 | 15°43 | 3°51 | 1°43 | W 7 |
| T 8 | 7 30 38 | 23°34'36 | 0♋36 | 2°33 | 3°14 | 11°42 | 7°52 | 28°30 | 6° 8 | 24°18 | 27°35 | 14°36 | 15°40 | 3°58 | 1°46 | T 8 |
| F 9 | 7 34 35 | 24°35'32 | 14°17 | 3°57 | 4°29 | 11°22 | 7°54 | 28°35 | 6°12 | 24°19 | 27°34 | 14°33 | 15°37 | 4° 4 | 1°49 | F 9 |
| S 10 | 7 38 31 | 25°36'27 | 28°15 | 5°22 | 5°44 | 11° 1 | 7°55 | 28°40 | 6°15 | 24°20 | 27°34 | 14°32 | 15°34 | 4°11 | 1°53 | S 10 |
| S 11 | 7 42 28 | 26°37'21 | 12♌29 | 6°48 | 6°59 | 10°39 | 7°56 | 28°45 | 6°19 | 24°22 | 27°33 | 14°D31 | 15°31 | 4°18 | 1°56 | S 11 |
| M12 | 7 46 24 | 27°38'14 | 26°52 | 8°14 | 8°14 | 10°18 | 7°57 | 28°50 | 6°22 | 24°23 | 27°33 | 14°31 | 15°27 | 4°25 | 1°59 | M12 |
| T 13 | 7 50 21 | 28°39'05 | 11♍19 | 9°42 | 9°29 | 9°55 | 7°58 | 28°54 | 6°26 | 24°24 | 27°32 | 14°32 | 15°24 | 4°31 | 2° 2 | T 13 |
| W14 | 7 54 17 | 29°39'56 | 25°47 | 11°10 | 10°44 | 9°33 | 7°59 | 28°59 | 6°29 | 24°25 | 27°31 | 14°33 | 15°21 | 4°38 | 2° 6 | W14 |
| T 15 | 7 58 14 | 0♒40'45 | 10♎ 9 | 12°39 | 11°59 | 9° 9 | 7°59 | 29° 3 | 6°32 | 24°26 | 27°31 | 14°35 | 15°18 | 4°45 | 2° 9 | T 15 |
| F 16 | 8 2 11 | 1°41'34 | 24°24 | 14° 9 | 13°13 | 8°46 | 8° 0 | 29° 8 | 6°36 | 24°28 | 27°30 | 14°35 | 15°15 | 4°51 | 2°12 | F 16 |
| S 17 | 8 6 7 | 2°42'22 | 8♏29 | 15°40 | 14°28 | 8°23 | 8°R 0 | 29°12 | 6°39 | 24°29 | 27°29 | 14°R35 | 15°12 | 4°58 | 2°15 | S 17 |
| S 18 | 8 10 4 | 3°43'09 | 22°22 | 17°11 | 15°43 | 7°59 | 7°59 | 29°16 | 6°42 | 24°30 | 27°29 | 14°35 | 15° 8 | 5° 5 | 2°19 | S 18 |
| M19 | 8 14 0 | 4°43'55 | 6♐ 3 | 18°44 | 16°58 | 7°35 | 7°59 | 29°21 | 6°45 | 24°31 | 27°28 | 14°34 | 15° 5 | 5°11 | 2°22 | M19 |
| T 20 | 8 17 57 | 5°44'40 | 19°31 | 20°17 | 18°13 | 7°11 | 7°59 | 29°25 | 6°49 | 24°32 | 27°27 | 14°33 | 15° 2 | 5°18 | 2°26 | T 20 |
| W21 | 8 21 53 | 6°45'23 | 2♑45 | 21°51 | 19°28 | 6°47 | 7°58 | 29°29 | 6°52 | 24°33 | 27°26 | 14°31 | 14°59 | 5°25 | 2°29 | W21 |
| T 22 | 8 25 50 | 7°46'06 | 15°46 | 23°26 | 20°43 | 6°23 | 7°57 | 29°33 | 6°55 | 24°34 | 27°25 | 14°31 | 14°56 | 5°31 | 2°33 | T 22 |
| F 23 | 8 29 46 | 8°46'46 | 28°34 | 25° 2 | 21°58 | 5°59 | 7°56 | 29°37 | 6°58 | 24°35 | 27°24 | 14°30 | 14°53 | 5°38 | 2°36 | F 23 |
| S 24 | 8 33 43 | 9°47'26 | 11♒ 8 | 26°38 | 23°13 | 5°35 | 7°55 | 29°41 | 7° 1 | 24°36 | 27°23 | 14°D30 | 14°49 | 5°45 | 2°40 | S 24 |
| S 25 | 8 37 40 | 10°48'04 | 23°30 | 28°16 | 24°28 | 5°12 | 7°53 | 29°44 | 7° 5 | 24°37 | 27°22 | 14°30 | 14°46 | 5°52 | 2°43 | S 25 |
| M26 | 8 41 36 | 11°48'40 | 5♓41 | 29°54 | 25°43 | 4°48 | 7°52 | 29°48 | 7° 8 | 24°37 | 27°21 | 14°30 | 14°43 | 5°58 | 2°47 | M26 |
| T 27 | 8 45 33 | 12°49'14 | 17°42 | 1♒33 | 26°57 | 4°25 | 7°50 | 29°52 | 7°11 | 24°38 | 27°20 | 14°30 | 14°40 | 6° 5 | 2°50 | T 27 |
| W28 | 8 49 29 | 13°49'47 | 29°37 | 3°14 | 28°12 | 4° 2 | 7°48 | 29°55 | 7°14 | 24°39 | 27°19 | 14°30 | 14°37 | 6°12 | 2°54 | W28 |
| T 29 | 8 53 26 | 14°50'18 | 11♈28 | 4°54 | 29°27 | 3°39 | 7°46 | 29°59 | 7°17 | 24°40 | 27°18 | 14°R30 | 14°33 | 6°18 | 2°57 | T 29 |
| F 30 | 8 57 22 | 15°50'47 | 23°18 | 6°36 | 0♒42 | 3°17 | 7°43 | 0♐ 2 | 7°20 | 24°40 | 27°17 | 14°30 | 14°30 | 6°25 | 3° 1 | F 30 |
| S 31 | 9 1 19 | 16♒51'14 | 5♉13 | 8♒19 | 1♒57 | 2♌55 | 7♎41 | 0♐ 5 | 7♑23 | 24♏41 | 27♍16 | 14♒30 | 14♒27 | 6♈32 | 3♓ 5 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s33 | 5n 0 | 3n56 | 22s43 | 0n41 | 23s 5 | 0n22 | 20n44 | 4n 9 | 1s44 | 1n25 | 18s 0 | 1n51 | 23s46 | 0s20 | 17s16 | 1n42 | 16n34 | 17n 5 | 16s28 | 16s 7 | 4n44 | 6s 9 | 5n13 |
| F 2 | 22 25 | 10 16 | 4 34 | 22 55 | 0 33 | 23 10 | 0 20 | 20 51 | 4 11 | 1 44 | 1 26 | 18 1 | 1 51 | 23 46 | 0 20 | 17 16 | 1 42 | 16 34 | 17 5 | 16 28 | 16 8 | 4 47 | 6 8 | 5 13 |
| S 3 | 22 17 | 15 12 | 5 0 | 23 7 | 0 24 | 23 15 | 0 17 | 20 58 | 4 13 | 1 45 | 1 26 | 18 2 | 1 51 | 23 46 | 0 20 | 17 17 | 1 42 | 16 35 | 17 6 | 16 28 | 16 9 | 4 50 | 6 7 | 5 13 |
| S 4 | 22 9 | 19 37 | 5 13 | 23 17 | 0 15 | 23 19 | 0 15 | 21 5 | 4 15 | 1 46 | 1 26 | 18 3 | 1 51 | 23 46 | 0 20 | 17 17 | 1 42 | 16 36 | 17 7 | 16 29 | 16 10 | 4 54 | 6 7 | 5 12 |
| M 5 | 22 0 | 23 18 | 5 12 | 23 27 | 0 7 | 23 22 | 0 12 | 21 12 | 4 17 | 1 47 | 1 26 | 18 4 | 1 51 | 23 46 | 0 20 | 17 17 | 1 42 | 16 36 | 17 7 | 16 30 | 16 11 | 4 57 | 6 6 | 5 12 |
| T 6 | 21 50 | 25 58 | 4 56 | 23 35 | 0s 1 | 23 25 | 0 9 | 21 19 | 4 18 | 1 47 | 1 27 | 18 5 | 1 51 | 23 46 | 0 20 | 17 18 | 1 42 | 16 37 | 17 8 | 16 31 | 16 12 | 5 0 | 6 5 | 5 12 |
| W 7 | 21 40 | 27 21 | 4 25 | 23 43 | 0 9 | 23 27 | 0 7 | 21 26 | 4 20 | 1 48 | 1 27 | 18 6 | 1 52 | 23 45 | 0 20 | 17 18 | 1 42 | 16 38 | 17 8 | 16 32 | 16 13 | 5 3 | 6 4 | 5 12 |
| T 8 | 21 30 | 27 13 | 3 39 | 23 50 | 0 17 | 23 28 | 0 4 | 21 33 | 4 22 | 1 48 | 1 27 | 18 7 | 1 52 | 23 45 | 0 20 | 17 18 | 1 42 | 16 38 | 17 9 | 16 33 | 16 14 | 5 7 | 6 3 | 5 12 |
| F 9 | 21 19 | 25 26 | 2 39 | 23 55 | 0 24 | 23 28 | 0 1 | 21 40 | 4 23 | 1 49 | 1 27 | 18 8 | 1 52 | 23 45 | 0 20 | 17 18 | 1 42 | 16 39 | 17 9 | 16 33 | 16 15 | 5 10 | 6 2 | 5 11 |
| S 10 | 21 8 | 22 4 | 1 29 | 24 0 | 0 32 | 23 28 | 0s 1 | 21 48 | 4 24 | 1 49 | 1 28 | 18 9 | 1 52 | 23 45 | 0 20 | 17 19 | 1 42 | 16 40 | 17 10 | 16 34 | 16 16 | 5 13 | 6 1 | 5 11 |
| S 11 | 20 57 | 17 20 | 0 11 | 24 3 | 0 39 | 23 27 | 0 4 | 21 55 | 4 26 | 1 49 | 1 28 | 18 10 | 1 52 | 23 45 | 0 20 | 17 19 | 1 42 | 16 40 | 17 10 | 16 34 | 16 16 | 5 16 | 6 0 | 5 11 |
| M12 | 20 45 | 11 34 | 1s 8 | 24 5 | 0 46 | 23 25 | 0 6 | 22 2 | 4 27 | 1 49 | 1 28 | 18 11 | 1 52 | 23 45 | 0 20 | 17 19 | 1 42 | 16 41 | 17 11 | 16 34 | 16 17 | 5 19 | 5 59 | 5 11 |
| T 13 | 20 33 | 5 9 | 2 23 | 24 5 | 0 53 | 23 23 | 0 9 | 22 9 | 4 28 | 1 49 | 1 29 | 18 12 | 1 52 | 23 45 | 0 20 | 17 19 | 1 42 | 16 42 | 17 12 | 16 34 | 16 18 | 5 23 | 5 58 | 5 11 |
| W14 | 20 20 | 1s30 | 3 29 | 24 5 | 0 59 | 23 20 | 0 11 | 22 17 | 4 29 | 1 49 | 1 29 | 18 13 | 1 52 | 23 44 | 0 20 | 17 20 | 1 42 | 16 43 | 17 12 | 16 33 | 16 19 | 5 26 | 5 57 | 5 10 |
| T 15 | 20 7 | 8 3 | 4 21 | 24 3 | 1 5 | 23 16 | 0 14 | 22 24 | 4 30 | 1 49 | 1 29 | 18 14 | 1 52 | 23 44 | 0 20 | 17 20 | 1 42 | 16 43 | 17 13 | 16 33 | 16 20 | 5 29 | 5 56 | 5 10 |
| F 16 | 19 54 | 14 7 | 4 57 | 24 0 | 1 11 | 23 11 | 0 16 | 22 31 | 4 31 | 1 49 | 1 29 | 18 15 | 1 52 | 23 44 | 0 20 | 17 20 | 1 42 | 16 44 | 17 13 | 16 33 | 16 21 | 5 32 | 5 55 | 5 10 |
| S 17 | 19 40 | 19 22 | 5 15 | 23 55 | 1 17 | 23 6 | 0 19 | 22 38 | 4 31 | 1 49 | 1 30 | 18 16 | 1 53 | 23 44 | 0 20 | 17 20 | 1 42 | 16 45 | 17 14 | 16 33 | 16 22 | 5 35 | 5 54 | 5 10 |
| S 18 | 19 26 | 23 31 | 5 14 | 23 49 | 1 22 | 23 0 | 0 21 | 22 45 | 4 32 | 1 49 | 1 30 | 18 16 | 1 53 | 23 44 | 0 20 | 17 21 | 1 42 | 16 46 | 17 14 | 16 33 | 16 23 | 5 39 | 5 53 | 5 10 |
| M19 | 19 11 | 26 16 | 4 55 | 23 42 | 1 28 | 22 53 | 0 24 | 22 52 | 4 33 | 1 48 | 1 30 | 18 17 | 1 53 | 23 44 | 0 20 | 17 21 | 1 42 | 16 46 | 17 15 | 16 33 | 16 24 | 5 42 | 5 52 | 5 9 |
| T 20 | 18 56 | 27 28 | 4 20 | 23 33 | 1 32 | 22 45 | 0 26 | 22 58 | 4 33 | 1 48 | 1 30 | 18 18 | 1 53 | 23 44 | 0 20 | 17 21 | 1 43 | 16 47 | 17 15 | 16 34 | 16 25 | 5 45 | 5 51 | 5 9 |
| W21 | 18 41 | 27 4 | 3 31 | 23 23 | 1 37 | 22 37 | 0 29 | 23 5 | 4 33 | 1 47 | 1 31 | 18 19 | 1 53 | 23 43 | 0 20 | 17 21 | 1 43 | 16 48 | 17 16 | 16 34 | 16 26 | 5 48 | 5 50 | 5 9 |
| T 22 | 18 26 | 25 10 | 2 33 | 23 11 | 1 41 | 22 29 | 0 31 | 23 11 | 4 33 | 1 47 | 1 31 | 18 19 | 1 53 | 23 43 | 0 20 | 17 21 | 1 43 | 16 49 | 17 16 | 16 34 | 16 27 | 5 51 | 5 49 | 5 9 |
| F 23 | 18 10 | 21 59 | 1 27 | 22 58 | 1 45 | 22 19 | 0 33 | 23 17 | 4 33 | 1 46 | 1 31 | 18 20 | 1 53 | 23 43 | 0 20 | 17 22 | 1 43 | 16 50 | 17 17 | 16 34 | 16 28 | 5 55 | 5 48 | 5 9 |
| S 24 | 17 54 | 17 50 | 0 19 | 22 43 | 1 49 | 22 9 | 0 36 | 23 23 | 4 33 | 1 45 | 1 31 | 18 21 | 1 53 | 23 43 | 0 20 | 17 22 | 1 43 | 16 50 | 17 17 | 16 34 | 16 29 | 5 58 | 5 47 | 5 9 |
| S 25 | 17 37 | 12 59 | 0n50 | 22 27 | 1 52 | 21 58 | 0 38 | 23 29 | 4 33 | 1 45 | 1 32 | 18 22 | 1 54 | 23 43 | 0 20 | 17 22 | 1 43 | 16 51 | 17 17 | 16 34 | 16 30 | 6 1 | 5 46 | 5 9 |
| M26 | 17 21 | 7 42 | 1 55 | 22 9 | 1 55 | 21 46 | 0 40 | 23 35 | 4 33 | 1 44 | 1 32 | 18 22 | 1 54 | 23 43 | 0 20 | 17 22 | 1 43 | 16 52 | 17 18 | 16 34 | 16 31 | 6 4 | 5 45 | 5 8 |
| T 27 | 17 3 | 2 13 | 2 54 | 21 50 | 1 58 | 21 34 | 0 42 | 23 40 | 4 32 | 1 43 | 1 32 | 18 23 | 1 54 | 23 42 | 0 20 | 17 22 | 1 43 | 16 53 | 17 18 | 16 34 | 16 32 | 6 7 | 5 44 | 5 8 |
| W28 | 16 46 | 3n17 | 3 45 | 21 29 | 2 0 | 21 21 | 0 44 | 23 45 | 4 32 | 1 42 | 1 32 | 18 23 | 1 54 | 23 42 | 0 20 | 17 22 | 1 43 | 16 54 | 17 19 | 16 34 | 16 32 | 6 10 | 5 42 | 5 8 |
| T 29 | 16 28 | 8 38 | 4 26 | 21 7 | 2 2 | 21 8 | 0 46 | 23 50 | 4 31 | 1 41 | 1 33 | 18 24 | 1 54 | 23 42 | 0 20 | 17 22 | 1 43 | 16 55 | 17 19 | 16 34 | 16 33 | 6 14 | 5 41 | 5 8 |
| F 30 | 16 10 | 13 41 | 4 56 | 20 43 | 2 3 | 20 54 | 0 48 | 23 55 | 4 31 | 1 39 | 1 33 | 18 25 | 1 54 | 23 42 | 0 20 | 17 23 | 1 43 | 16 55 | 17 20 | 16 34 | 16 34 | 6 17 | 5 40 | 5 8 |
| S 31 | 15s52 | 18n15 | 5n13 | 20s17 | 2s 4 | 20s39 | 0s50 | 23n59 | 4n30 | 1s38 | 1n33 | 18s25 | 1n54 | 23s42 | 0s20 | 17s23 | 1n43 | 16n56 | 17n20 | 16s34 | 16s35 | 6n20 | 5s39 | 5n 8 |

Julian Day Number = 2080829.5, Delta T = 25m39s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'38, Lahiri = 9°42'39 Julian Calendar 1 Jan. 985 == Greg. Calendar 6 Jan. 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## FEBRUARY 985 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 5 15 | 17♒51'40 | 17♉16 | 10♒ 3 | 3♒12 | 2°R33 | 7°R38 | 0♐ 8 | 7♑26 | 24♏42 | 27°R15 | 14°D30 | 14♒24 | 6♈38 | 3♓ 8 | S 1 |
| M 2 | 9 9 12 | 18°52'03 | 29°33 | 11°48 | 4°26 | 2♌12 | 7♎35 | 0°11 | 7°29 | 24°42 | 27♍13 | 14♒30 | 14°21 | 6°45 | 3°12 | M 2 |
| T 3 | 9 13 9 | 19°52'25 | 12♊ 7 | 13°33 | 5°41 | 1°52 | 7°32 | 0°14 | 7°31 | 24°43 | 27°12 | 14°31 | 14°18 | 6°52 | 3°15 | T 3 |
| W 4 | 9 17 5 | 20°52'44 | 25° 3 | 15°20 | 6°56 | 1°32 | 7°29 | 0°17 | 7°34 | 24°43 | 27°11 | 14°31 | 14°14 | 6°58 | 3°19 | W 4 |
| T 5 | 9 21 2 | 21°53'01 | 8♋23 | 17° 8 | 8°11 | 1°12 | 7°25 | 0°20 | 7°37 | 24°44 | 27°10 | 14°32 | 14°11 | 7° 5 | 3°23 | T 5 |
| F 6 | 9 24 58 | 22°53'17 | 22° 8 | 18°56 | 9°26 | 0°53 | 7°22 | 0°23 | 7°40 | 24°44 | 27° 8 | 14°32 | 14° 8 | 7°12 | 3°26 | F 6 |
| S 7 | 9 28 55 | 23°53'30 | 6♌18 | 20°46 | 10°40 | 0°35 | 7°18 | 0°25 | 7°43 | 24°45 | 27° 7 | 14°33 | 14° 5 | 7°19 | 3°30 | S 7 |
| S 8 | 9 32 51 | 24°53'42 | 20°50 | 22°37 | 11°55 | 0°18 | 7°14 | 0°28 | 7°45 | 24°45 | 27° 6 | 14°R33 | 14° 2 | 7°25 | 3°34 | S 8 |
| M 9 | 9 36 48 | 25°53'51 | 5♍37 | 24°28 | 13°10 | 0° 1 | 7°10 | 0°30 | 7°48 | 24°46 | 27° 4 | 14°32 | 13°59 | 7°32 | 3°38 | M 9 |
| T 10 | 9 40 44 | 26°53'59 | 20°33 | 26°21 | 14°25 | 29♋45 | 7° 6 | 0°32 | 7°51 | 24°46 | 27° 3 | 14°31 | 13°55 | 7°39 | 3°41 | T 10 |
| W11 | 9 44 41 | 27°54'04 | 5♎28 | 28°14 | 15°39 | 29°29 | 7° 1 | 0°35 | 7°53 | 24°46 | 27° 2 | 14°30 | 13°52 | 7°45 | 3°45 | W11 |
| T 12 | 9 48 38 | 28°54'09 | 20°15 | 0♓ 9 | 16°54 | 29°14 | 6°56 | 0°37 | 7°56 | 24°46 | 27° 0 | 14°28 | 13°49 | 7°52 | 3°49 | T 12 |
| F 13 | 9 52 34 | 29°54'11 | 4♏49 | 2° 4 | 18° 9 | 29° 0 | 6°52 | 0°39 | 7°58 | 24°47 | 26°59 | 14°26 | 13°46 | 7°59 | 3°52 | F 13 |
| S 14 | 9 56 31 | 0♓54'12 | 19° 3 | 4° 0 | 19°24 | 28°47 | 6°47 | 0°41 | 8° 1 | 24°47 | 26°57 | 14°25 | 13°43 | 8° 5 | 3°56 | S 14 |
| S 15 | 10 0 27 | 1°54'12 | 2♐57 | 5°56 | 20°38 | 28°35 | 6°42 | 0°42 | 8° 3 | 24°47 | 26°56 | 14°D25 | 13°39 | 8°12 | 4° 0 | S 15 |
| M16 | 10 4 24 | 2°54'09 | 16°30 | 7°53 | 21°53 | 28°23 | 6°36 | 0°44 | 8° 6 | 24°47 | 26°54 | 14°25 | 13°36 | 8°19 | 4° 4 | M16 |
| T 17 | 10 8 20 | 3°54'06 | 29°43 | 9°51 | 23° 8 | 28°12 | 6°31 | 0°46 | 8° 8 | 24°47 | 26°53 | 14°27 | 13°33 | 8°26 | 4° 7 | T 17 |
| W18 | 10 12 17 | 4°54'00 | 12♑39 | 11°48 | 24°22 | 28° 1 | 6°26 | 0°47 | 8°10 | 24°47 | 26°51 | 14°28 | 13°30 | 8°32 | 4°11 | W18 |
| T 19 | 10 16 13 | 5°53'53 | 25°20 | 13°46 | 25°37 | 27°52 | 6°20 | 0°49 | 8°13 | 24°R47 | 26°50 | 14°30 | 13°27 | 8°39 | 4°15 | T 19 |
| F 20 | 10 20 10 | 6°53'43 | 7♒47 | 15°43 | 26°52 | 27°43 | 6°14 | 0°50 | 8°15 | 24°47 | 26°48 | 14°31 | 13°24 | 8°46 | 4°19 | F 20 |
| S 21 | 10 24 7 | 7°53'32 | 20° 4 | 17°40 | 28° 6 | 27°36 | 6° 8 | 0°51 | 8°17 | 24°47 | 26°47 | 14°R31 | 13°20 | 8°52 | 4°22 | S 21 |
| S 22 | 10 28 3 | 8°53'19 | 2♓12 | 19°36 | 29°21 | 27°28 | 6° 2 | 0°53 | 8°19 | 24°47 | 26°45 | 14°29 | 13°17 | 8°59 | 4°26 | S 22 |
| M23 | 10 32 0 | 9°53'04 | 14°13 | 21°31 | 0♓36 | 27°22 | 5°56 | 0°54 | 8°22 | 24°47 | 26°44 | 14°27 | 13°14 | 9° 6 | 4°30 | M23 |
| T 24 | 10 35 56 | 10°52'46 | 26° 9 | 23°25 | 1°50 | 27°17 | 5°50 | 0°54 | 8°24 | 24°47 | 26°42 | 14°23 | 13°11 | 9°12 | 4°33 | T 24 |
| W25 | 10 39 53 | 11°52'27 | 8♈ 1 | 25°16 | 3° 5 | 27°12 | 5°43 | 0°55 | 8°26 | 24°47 | 26°41 | 14°18 | 13° 8 | 9°19 | 4°37 | W25 |
| T 26 | 10 43 49 | 12°52'05 | 19°51 | 27° 5 | 4°19 | 27° 8 | 5°37 | 0°56 | 8°28 | 24°47 | 26°39 | 14°13 | 13° 4 | 9°26 | 4°41 | T 26 |
| F 27 | 10 47 46 | 13°51'41 | 1♉43 | 28°52 | 5°34 | 27° 5 | 5°30 | 0°57 | 8°30 | 24°46 | 26°37 | 14° 8 | 13° 1 | 9°32 | 4°45 | F 27 |
| S 28 | 10 51 42 | 14♓51'15 | 13♉38 | 0♈35 | 6♓49 | 27♋ 2 | 5♎23 | 0♐57 | 8♑32 | 24♏46 | 26♍36 | 14♒ 4 | 12♒58 | 9♈39 | 4♓48 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s34 | 22n 8 | 5n17 | 19s50 | 2s 5 | 20s24 | 0s52 | 24n 4 | 4n29 | 1s37 | 1n33 | 18s26 | 1n54 | 23s42 | 0s20 | 17s23 | 1n43 | 16n57 | 17n20 | 16s34 | 16s36 | 6n23 | 5s38 | 5n 8 |
| M 2 | 15 15 | 25 9 | 5 7 | 19 21 | 2 5 | 20 8 | 0 54 | 24 7 | 4 28 | 1 36 | 1 34 | 18 26 | 1 55 | 23 42 | 0 20 | 17 23 | 1 43 | 16 58 | 17 21 | 16 34 | 16 37 | 6 26 | 5 36 | 5 8 |
| T 3 | 14 56 | 27 1 | 4 41 | 18 50 | 2 5 | 19 52 | 0 56 | 24 11 | 4 27 | 1 34 | 1 34 | 18 27 | 1 55 | 23 41 | 0 20 | 17 23 | 1 43 | 16 59 | 17 21 | 16 34 | 16 38 | 6 29 | 5 35 | 5 7 |
| W 4 | 14 37 | 27 30 | 4 1 | 18 18 | 2 4 | 19 35 | 0 58 | 24 15 | 4 26 | 1 33 | 1 34 | 18 27 | 1 55 | 23 41 | 0 20 | 17 23 | 1 43 | 17 0 | 17 22 | 16 34 | 16 39 | 6 33 | 5 34 | 5 7 |
| T 5 | 14 17 | 26 25 | 3 7 | 17 45 | 2 3 | 19 17 | 1 0 | 24 18 | 4 24 | 1 31 | 1 34 | 18 28 | 1 55 | 23 41 | 0 20 | 17 23 | 1 43 | 17 0 | 17 22 | 16 34 | 16 40 | 6 36 | 5 33 | 5 7 |
| F 6 | 13 58 | 23 44 | 2 1 | 17 9 | 2 2 | 18 59 | 1 1 | 24 21 | 4 23 | 1 29 | 1 35 | 18 28 | 1 55 | 23 41 | 0 20 | 17 23 | 1 43 | 17 1 | 17 22 | 16 34 | 16 41 | 6 39 | 5 32 | 5 7 |
| S 7 | 13 38 | 19 32 | 0 46 | 16 32 | 1 59 | 18 40 | 1 3 | 24 23 | 4 22 | 1 28 | 1 35 | 18 28 | 1 55 | 23 41 | 0 20 | 17 23 | 1 43 | 17 2 | 17 23 | 16 34 | 16 42 | 6 42 | 5 30 | 5 7 |
| S 8 | 13 18 | 14 5 | 0s35 | 15 54 | 1 57 | 18 21 | 1 5 | 24 26 | 4 20 | 1 26 | 1 35 | 18 29 | 1 55 | 23 41 | 0 20 | 17 23 | 1 44 | 17 3 | 17 23 | 16 34 | 16 43 | 6 45 | 5 29 | 5 7 |
| M 9 | 12 57 | 7 44 | 1 54 | 15 13 | 1 54 | 18 1 | 1 6 | 24 28 | 4 19 | 1 24 | 1 35 | 18 29 | 1 56 | 23 41 | 0 20 | 17 23 | 1 44 | 17 4 | 17 23 | 16 34 | 16 44 | 6 48 | 5 28 | 5 7 |
| T 10 | 12 37 | 0 55 | 3 6 | 14 32 | 1 50 | 17 41 | 1 8 | 24 30 | 4 17 | 1 22 | 1 36 | 18 30 | 1 56 | 23 40 | 0 20 | 17 23 | 1 44 | 17 5 | 17 24 | 16 34 | 16 44 | 6 51 | 5 27 | 5 7 |
| W11 | 12 16 | 5s56 | 4 6 | 13 48 | 1 46 | 17 20 | 1 9 | 24 32 | 4 15 | 1 20 | 1 36 | 18 30 | 1 56 | 23 40 | 0 20 | 17 23 | 1 44 | 17 5 | 17 24 | 16 34 | 16 45 | 6 55 | 5 25 | 5 7 |
| T 12 | 11 55 | 12 24 | 4 48 | 13 4 | 1 41 | 16 59 | 1 11 | 24 33 | 4 14 | 1 18 | 1 36 | 18 30 | 1 56 | 23 40 | 0 20 | 17 23 | 1 44 | 17 6 | 17 24 | 16 35 | 16 46 | 6 58 | 5 24 | 5 7 |
| F 13 | 11 34 | 18 5 | 5 12 | 12 17 | 1 36 | 16 37 | 1 12 | 24 34 | 4 12 | 1 16 | 1 36 | 18 30 | 1 56 | 23 40 | 0 20 | 17 23 | 1 44 | 17 7 | 17 25 | 16 35 | 16 47 | 7 1 | 5 23 | 5 7 |
| S 14 | 11 13 | 22 37 | 5 15 | 11 29 | 1 30 | 16 15 | 1 13 | 24 36 | 4 10 | 1 14 | 1 36 | 18 31 | 1 56 | 23 40 | 0 20 | 17 23 | 1 44 | 17 8 | 17 25 | 16 36 | 16 48 | 7 4 | 5 21 | 5 7 |
| S 15 | 10 51 | 25 46 | 5 0 | 10 40 | 1 23 | 15 52 | 1 15 | 24 36 | 4 8 | 1 12 | 1 37 | 18 31 | 1 56 | 23 40 | 0 20 | 17 23 | 1 44 | 17 9 | 17 25 | 16 36 | 16 49 | 7 7 | 5 20 | 5 7 |
| M16 | 10 30 | 27 20 | 4 28 | 9 50 | 1 16 | 15 29 | 1 16 | 24 37 | 4 6 | 1 9 | 1 37 | 18 31 | 1 57 | 23 40 | 0 20 | 17 23 | 1 44 | 17 10 | 17 26 | 16 36 | 16 50 | 7 10 | 5 19 | 5 7 |
| T 17 | 10 8 | 27 17 | 3 43 | 8 58 | 1 8 | 15 6 | 1 17 | 24 37 | 4 4 | 1 7 | 1 37 | 18 31 | 1 57 | 23 40 | 0 20 | 17 23 | 1 44 | 17 11 | 17 26 | 16 35 | 16 51 | 7 13 | 5 18 | 5 6 |
| W18 | 9 46 | 25 44 | 2 47 | 8 6 | 1 0 | 14 42 | 1 18 | 24 37 | 4 2 | 1 5 | 1 37 | 18 31 | 1 57 | 23 39 | 0 20 | 17 23 | 1 44 | 17 11 | 17 26 | 16 35 | 16 52 | 7 17 | 5 16 | 5 6 |
| T 19 | 9 24 | 22 54 | 1 44 | 7 12 | 0 51 | 14 17 | 1 19 | 24 37 | 4 0 | 1 2 | 1 37 | 18 32 | 1 57 | 23 39 | 0 20 | 17 23 | 1 44 | 17 12 | 17 26 | 16 35 | 16 53 | 7 20 | 5 15 | 5 6 |
| F 20 | 9 2 | 19 1 | 0 37 | 6 18 | 0 42 | 13 53 | 1 20 | 24 37 | 3 58 | 1 0 | 1 38 | 18 32 | 1 57 | 23 39 | 0 20 | 17 23 | 1 44 | 17 13 | 17 27 | 16 34 | 16 54 | 7 23 | 5 14 | 5 6 |
| S 21 | 8 39 | 14 23 | 0n31 | 5 23 | 0 32 | 13 28 | 1 21 | 24 37 | 3 56 | 0 57 | 1 38 | 18 32 | 1 57 | 23 39 | 0 20 | 17 23 | 1 44 | 17 14 | 17 27 | 16 34 | 16 55 | 7 26 | 5 12 | 5 6 |
| S 22 | 8 17 | 9 15 | 1 36 | 4 27 | 0 21 | 13 2 | 1 21 | 24 36 | 3 54 | 0 55 | 1 38 | 18 32 | 1 57 | 23 39 | 0 20 | 17 23 | 1 44 | 17 15 | 17 27 | 16 35 | 16 55 | 7 29 | 5 11 | 5 6 |
| M23 | 7 54 | 3 51 | 2 36 | 3 32 | 0 10 | 12 36 | 1 22 | 24 35 | 3 52 | 0 52 | 1 38 | 18 32 | 1 58 | 23 39 | 0 20 | 17 23 | 1 44 | 17 15 | 17 27 | 16 35 | 16 56 | 7 32 | 5 10 | 5 6 |
| T 24 | 7 32 | 1n39 | 3 29 | 2 36 | 0n 2 | 12 10 | 1 23 | 24 34 | 3 50 | 0 50 | 1 38 | 18 32 | 1 58 | 23 39 | 0 20 | 17 23 | 1 44 | 17 16 | 17 27 | 16 36 | 16 57 | 7 35 | 5 8 | 5 6 |
| W25 | 7 9 | 7 3 | 4 12 | 1 41 | 0 14 | 11 44 | 1 24 | 24 33 | 3 47 | 0 47 | 1 38 | 18 32 | 1 58 | 23 39 | 0 20 | 17 23 | 1 44 | 17 17 | 17 28 | 16 38 | 16 58 | 7 38 | 5 7 | 5 6 |
| T 26 | 6 46 | 12 12 | 4 45 | 0 46 | 0 26 | 11 17 | 1 24 | 24 32 | 3 45 | 0 44 | 1 38 | 18 32 | 1 58 | 23 39 | 0 21 | 17 23 | 1 45 | 17 18 | 17 28 | 16 39 | 16 59 | 7 42 | 5 6 | 5 6 |
| F 27 | 6 23 | 16 54 | 5 5 | 0n 8 | 0 38 | 10 50 | 1 25 | 24 30 | 3 43 | 0 41 | 1 39 | 18 32 | 1 58 | 23 38 | 0 21 | 17 23 | 1 45 | 17 19 | 17 28 | 16 41 | 17 0 | 7 45 | 5 4 | 5 6 |
| S 28 | 6s 0 | 20n58 | 5n12 | 1n 1 | 0n51 | 10s23 | 1s25 | 24n29 | 3n41 | 0s39 | 1n39 | 18s32 | 1n58 | 23s38 | 0s21 | 17s22 | 1n45 | 17n20 | 17n28 | 16s42 | 17s 1 | 7n48 | 5s 3 | 5n 6 |

Julian Day Number = 2080860.5, Delta T = 25m38s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'42, Lahiri = 9°42'43 Julian Calendar 1 Feb. 985 == Greg. Calendar 6 Feb. 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## MARCH 985 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 55 39 | 15♓50'47 | 25♉40 | 2♈14 | 8♓ 3 | 27°R 1 | 5°R17 | 0♐58 | 8♑34 | 24°R46 | 26°R34 | 14°R 0 | 12♒55 | 9♈46 | 4♓52 | S 1 |
| M 2 | 10 59 35 | 16°50'17 | 7♊54 | 3°49 | 9°18 | 27♋ 0 | 5♎10 | 0°58 | 8°35 | 24♏46 | 26♍32 | 13♒59 | 12°52 | 9°53 | 4°56 | M 2 |
| T 3 | 11 3 32 | 17°49'44 | 20°23 | 5°19 | 10°32 | 27°D 0 | 5° 3 | 0°58 | 8°37 | 24°45 | 26°31 | 13°D58 | 12°49 | 9°59 | 4°59 | T 3 |
| W 4 | 11 7 29 | 18°49'08 | 3♋13 | 6°45 | 11°47 | 27° 1 | 4°56 | 0°58 | 8°39 | 24°45 | 26°29 | 13°59 | 12°45 | 10° 6 | 5° 3 | W 4 |
| T 5 | 11 11 25 | 19°48'31 | 16°26 | 8° 5 | 13° 1 | 27° 2 | 4°48 | 0°R58 | 8°41 | 24°44 | 26°28 | 14° 1 | 12°42 | 10°13 | 5° 7 | T 5 |
| F 6 | 11 15 22 | 20°47'51 | 0♌ 6 | 9°19 | 14°16 | 27° 4 | 4°41 | 0°58 | 8°42 | 24°44 | 26°26 | 14° 2 | 12°39 | 10°19 | 5°10 | F 6 |
| S 7 | 11 19 18 | 21°47'09 | 14°14 | 10°27 | 15°30 | 27° 7 | 4°34 | 0°58 | 8°44 | 24°43 | 26°24 | 14°R 3 | 12°36 | 10°26 | 5°14 | S 7 |
| S 8 | 11 23 15 | 22°46'24 | 28°48 | 11°29 | 16°45 | 27°10 | 4°26 | 0°58 | 8°45 | 24°43 | 26°23 | 14° 2 | 12°33 | 10°33 | 5°17 | S 8 |
| M 9 | 11 27 11 | 23°45'37 | 13♍44 | 12°24 | 17°59 | 27°14 | 4°19 | 0°58 | 8°47 | 24°42 | 26°21 | 13°59 | 12°30 | 10°40 | 5°21 | M 9 |
| T 10 | 11 31 8 | 24°44'48 | 28°55 | 13°12 | 19°13 | 27°19 | 4°12 | 0°57 | 8°48 | 24°42 | 26°19 | 13°55 | 12°26 | 10°46 | 5°25 | T 10 |
| W11 | 11 35 4 | 25°43'56 | 14♎11 | 13°54 | 20°28 | 27°25 | 4° 4 | 0°57 | 8°50 | 24°41 | 26°18 | 13°49 | 12°23 | 10°53 | 5°28 | W11 |
| T 12 | 11 39 1 | 26°43'03 | 29°20 | 14°28 | 21°42 | 27°31 | 3°56 | 0°56 | 8°51 | 24°40 | 26°16 | 13°42 | 12°20 | 11° 0 | 5°32 | T 12 |
| F 13 | 11 42 58 | 27°42'08 | 14♏14 | 14°55 | 22°57 | 27°38 | 3°49 | 0°55 | 8°53 | 24°40 | 26°14 | 13°36 | 12°17 | 11° 6 | 5°35 | F 13 |
| S 14 | 11 46 54 | 28°41'11 | 28°44 | 15°15 | 24°11 | 27°45 | 3°41 | 0°54 | 8°54 | 24°39 | 26°13 | 13°31 | 12°14 | 11°13 | 5°39 | S 14 |
| S 15 | 11 50 51 | 29°40'13 | 12♐49 | 15°28 | 25°25 | 27°53 | 3°34 | 0°53 | 8°55 | 24°38 | 26°11 | 13°28 | 12°10 | 11°20 | 5°42 | S 15 |
| M16 | 11 54 47 | 0♈39'12 | 26°25 | 15°R34 | 26°40 | 28° 2 | 3°26 | 0°52 | 8°56 | 24°38 | 26° 9 | 13°D27 | 12° 7 | 11°26 | 5°46 | M16 |
| T 17 | 11 58 44 | 1°38'10 | 9♑36 | 15°33 | 27°54 | 28°11 | 3°18 | 0°51 | 8°57 | 24°37 | 26° 8 | 13°27 | 12° 4 | 11°33 | 5°49 | T 17 |
| W18 | 12 2 40 | 2°37'06 | 22°25 | 15°25 | 29° 8 | 28°21 | 3°11 | 0°50 | 8°58 | 24°36 | 26° 6 | 13°28 | 12° 1 | 11°40 | 5°52 | W18 |
| T 19 | 12 6 37 | 3°36'00 | 4♒54 | 15°11 | 0♈23 | 28°31 | 3° 3 | 0°49 | 9° 0 | 24°35 | 26° 4 | 13°29 | 11°58 | 11°47 | 5°56 | T 19 |
| F 20 | 12 10 33 | 4°34'53 | 17°10 | 14°52 | 1°37 | 28°42 | 2°55 | 0°47 | 9° 1 | 24°34 | 26° 3 | 13°R29 | 11°55 | 11°53 | 5°59 | F 20 |
| S 21 | 12 14 30 | 5°33'43 | 29°15 | 14°27 | 2°51 | 28°53 | 2°47 | 0°46 | 9° 1 | 24°33 | 26° 1 | 13°28 | 11°51 | 12° 0 | 6° 3 | S 21 |
| S 22 | 12 18 27 | 6°32'32 | 11♓13 | 13°57 | 4° 6 | 29° 5 | 2°40 | 0°44 | 9° 2 | 24°32 | 25°59 | 13°24 | 11°48 | 12° 7 | 6° 6 | S 22 |
| M23 | 12 22 23 | 7°31'18 | 23° 6 | 13°23 | 5°20 | 29°18 | 2°32 | 0°43 | 9° 3 | 24°32 | 25°58 | 13°18 | 11°45 | 12°13 | 6° 9 | M23 |
| T 24 | 12 26 20 | 8°30'03 | 4♈57 | 12°45 | 6°34 | 29°31 | 2°24 | 0°41 | 9° 4 | 24°31 | 25°56 | 13° 9 | 11°42 | 12°20 | 6°13 | T 24 |
| W25 | 12 30 16 | 9°28'45 | 16°48 | 12° 5 | 7°48 | 29°44 | 2°17 | 0°39 | 9° 5 | 24°30 | 25°54 | 12°59 | 11°39 | 12°27 | 6°16 | W25 |
| T 26 | 12 34 13 | 10°27'26 | 28°40 | 11°22 | 9° 3 | 29°58 | 2° 9 | 0°37 | 9° 5 | 24°29 | 25°53 | 12°48 | 11°36 | 12°33 | 6°19 | T 26 |
| F 27 | 12 38 9 | 11°26'05 | 10♉34 | 10°39 | 10°17 | 0♌13 | 2° 2 | 0°35 | 9° 6 | 24°27 | 25°51 | 12°37 | 11°32 | 12°40 | 6°22 | F 27 |
| S 28 | 12 42 6 | 12°24'41 | 22°33 | 9°56 | 11°31 | 0°28 | 1°54 | 0°33 | 9° 7 | 24°26 | 25°50 | 12°27 | 11°29 | 12°47 | 6°25 | S 28 |
| S 29 | 12 46 2 | 13°23'15 | 4♊39 | 9°12 | 12°45 | 0°44 | 1°47 | 0°30 | 9° 7 | 24°25 | 25°48 | 12°18 | 11°26 | 12°54 | 6°29 | S 29 |
| M30 | 12 49 59 | 14°21'48 | 16°55 | 8°31 | 13°59 | 0°59 | 1°39 | 0°28 | 9° 8 | 24°24 | 25°46 | 12°12 | 11°23 | 13° 0 | 6°32 | M30 |
| T 31 | 12 53 56 | 15♈20'18 | 29♊24 | 7♈51 | 15♈13 | 1♌16 | 1♎32 | 0♐26 | 9♑ 8 | 24♏23 | 25♍45 | 12♒ 9 | 11♒20 | 13♈ 7 | 6♓35 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s37 | 24n14 | 5n 6 | 1n52 | 1n 4 | 9s55 | 1s25 | 24n27 | 3n39 | 0s36 | 1n39 | 18s32 | 1n58 | 23s38 | 0s21 | 17s22 | 1n45 | 17n20 | 17n28 | 16s43 | 17s 2 | 7n51 | 5s 2 | 5n 6 |
| M 2 | 5 13 | 26 27 | 4 46 | 2 42 | 1 16 | 9 27 | 1 26 | 24 25 | 3 36 | 0 33 | 1 39 | 18 32 | 1 59 | 23 38 | 0 21 | 17 22 | 1 45 | 17 21 | 17 28 | 16 44 | 17 3 | 7 54 | 5 0 | 5 6 |
| T 3 | 4 50 | 27 24 | 4 12 | 3 29 | 1 29 | 8 59 | 1 26 | 24 23 | 3 34 | 0 30 | 1 39 | 18 32 | 1 59 | 23 38 | 0 21 | 17 22 | 1 45 | 17 22 | 17 29 | 16 44 | 17 4 | 7 57 | 4 59 | 5 6 |
| W 4 | 4 27 | 26 56 | 3 24 | 4 15 | 1 42 | 8 31 | 1 26 | 24 20 | 3 32 | 0 27 | 1 39 | 18 32 | 1 59 | 23 38 | 0 21 | 17 22 | 1 45 | 17 23 | 17 29 | 16 43 | 17 5 | 8 0 | 4 58 | 5 6 |
| T 5 | 4 3 | 24 57 | 2 25 | 4 58 | 1 54 | 8 2 | 1 26 | 24 18 | 3 30 | 0 24 | 1 39 | 18 32 | 1 59 | 23 38 | 0 21 | 17 22 | 1 45 | 17 23 | 17 29 | 16 43 | 17 5 | 8 3 | 4 56 | 5 6 |
| F 6 | 3 40 | 21 28 | 1 15 | 5 38 | 2 6 | 7 33 | 1 26 | 24 15 | 3 28 | 0 21 | 1 39 | 18 32 | 1 59 | 23 38 | 0 21 | 17 22 | 1 45 | 17 24 | 17 29 | 16 43 | 17 6 | 8 6 | 4 55 | 5 6 |
| S 7 | 3 17 | 16 38 | 0s 1 | 6 15 | 2 17 | 7 4 | 1 26 | 24 13 | 3 25 | 0 18 | 1 39 | 18 31 | 1 59 | 23 38 | 0 21 | 17 21 | 1 45 | 17 25 | 17 29 | 16 42 | 17 7 | 8 9 | 4 54 | 5 7 |
| S 8 | 2 53 | 10 43 | 1 19 | 6 49 | 2 27 | 6 35 | 1 26 | 24 10 | 3 23 | 0 15 | 1 39 | 18 31 | 1 59 | 23 38 | 0 21 | 17 21 | 1 45 | 17 26 | 17 29 | 16 43 | 17 8 | 8 13 | 4 52 | 5 7 |
| M 9 | 2 29 | 4 3 | 2 34 | 7 20 | 2 37 | 6 6 | 1 26 | 24 7 | 3 21 | 0 12 | 1 40 | 18 31 | 2 0 | 23 38 | 0 21 | 17 21 | 1 45 | 17 26 | 17 29 | 16 43 | 17 9 | 8 16 | 4 51 | 5 7 |
| T 10 | 2 6 | 2s55 | 3 39 | 7 48 | 2 46 | 5 36 | 1 26 | 24 4 | 3 19 | 0 9 | 1 40 | 18 31 | 2 0 | 23 37 | 0 21 | 17 21 | 1 45 | 17 27 | 17 29 | 16 45 | 17 10 | 8 19 | 4 49 | 5 7 |
| W11 | 1 42 | 9 45 | 4 29 | 8 11 | 2 55 | 5 7 | 1 26 | 24 0 | 3 17 | 0 6 | 1 40 | 18 30 | 2 0 | 23 37 | 0 21 | 17 21 | 1 45 | 17 28 | 17 29 | 16 46 | 17 11 | 8 22 | 4 48 | 5 7 |
| T 12 | 1 19 | 15 57 | 4 59 | 8 31 | 3 2 | 4 37 | 1 25 | 23 57 | 3 15 | 0 3 | 1 40 | 18 30 | 2 0 | 23 37 | 0 21 | 17 21 | 1 45 | 17 28 | 17 29 | 16 48 | 17 12 | 8 25 | 4 47 | 5 7 |
| F 13 | 0 55 | 21 6 | 5 9 | 8 48 | 3 8 | 4 7 | 1 25 | 23 54 | 3 12 | 0n 0 | 1 40 | 18 30 | 2 0 | 23 37 | 0 21 | 17 20 | 1 45 | 17 29 | 17 29 | 16 50 | 17 13 | 8 28 | 4 45 | 5 7 |
| S 14 | 0 32 | 24 50 | 4 58 | 9 0 | 3 13 | 3 37 | 1 24 | 23 50 | 3 10 | 0 3 | 1 40 | 18 30 | 2 0 | 23 37 | 0 21 | 17 20 | 1 45 | 17 30 | 17 29 | 16 51 | 17 14 | 8 31 | 4 44 | 5 7 |
| S 15 | 0 8 | 26 55 | 4 30 | 9 8 | 3 17 | 3 7 | 1 24 | 23 46 | 3 8 | 0 6 | 1 40 | 18 29 | 2 0 | 23 37 | 0 21 | 17 20 | 1 45 | 17 30 | 17 29 | 16 52 | 17 14 | 8 34 | 4 43 | 5 7 |
| M16 | 0n16 | 27 18 | 3 46 | 9 13 | 3 19 | 2 36 | 1 23 | 23 42 | 3 6 | 0 9 | 1 40 | 18 29 | 2 0 | 23 37 | 0 21 | 17 20 | 1 45 | 17 31 | 17 29 | 16 53 | 17 15 | 8 37 | 4 41 | 5 7 |
| T 17 | 0 39 | 26 5 | 2 52 | 9 13 | 3 20 | 2 6 | 1 23 | 23 39 | 3 4 | 0 12 | 1 40 | 18 29 | 2 1 | 23 37 | 0 21 | 17 19 | 1 45 | 17 32 | 17 29 | 16 53 | 17 16 | 8 40 | 4 40 | 5 7 |
| W18 | 1 3 | 23 32 | 1 51 | 9 10 | 3 19 | 1 36 | 1 22 | 23 34 | 3 2 | 0 15 | 1 40 | 18 28 | 2 1 | 23 37 | 0 21 | 17 19 | 1 45 | 17 32 | 17 29 | 16 52 | 17 17 | 8 43 | 4 39 | 5 7 |
| T 19 | 1 26 | 19 53 | 0 46 | 9 2 | 3 17 | 1 5 | 1 21 | 23 30 | 3 0 | 0 18 | 1 40 | 18 28 | 2 1 | 23 37 | 0 21 | 17 19 | 1 46 | 17 33 | 17 29 | 16 52 | 17 18 | 8 46 | 4 37 | 5 7 |
| F 20 | 1 50 | 15 28 | 0n20 | 8 51 | 3 13 | 0 35 | 1 20 | 23 26 | 2 58 | 0 22 | 1 40 | 18 27 | 2 1 | 23 37 | 0 21 | 17 19 | 1 46 | 17 34 | 17 29 | 16 52 | 17 19 | 8 49 | 4 36 | 5 7 |
| S 21 | 2 13 | 10 30 | 1 24 | 8 37 | 3 8 | 0 4 | 1 19 | 23 22 | 2 56 | 0 25 | 1 40 | 18 27 | 2 1 | 23 37 | 0 21 | 17 18 | 1 46 | 17 34 | 17 29 | 16 52 | 17 20 | 8 52 | 4 35 | 5 7 |
| S 22 | 2 37 | 5 12 | 2 23 | 8 19 | 3 1 | 0n26 | 1 18 | 23 17 | 2 54 | 0 28 | 1 40 | 18 27 | 2 1 | 23 37 | 0 21 | 17 18 | 1 46 | 17 35 | 17 29 | 16 53 | 17 21 | 8 55 | 4 34 | 5 8 |
| M23 | 3 0 | 0n15 | 3 16 | 7 58 | 2 53 | 0 57 | 1 17 | 23 13 | 2 52 | 0 31 | 1 40 | 18 26 | 2 1 | 23 37 | 0 21 | 17 18 | 1 46 | 17 35 | 17 29 | 16 55 | 17 22 | 8 58 | 4 32 | 5 8 |
| T 24 | 3 23 | 5 39 | 4 0 | 7 34 | 2 43 | 1 27 | 1 16 | 23 8 | 2 50 | 0 34 | 1 40 | 18 26 | 2 1 | 23 37 | 0 21 | 17 18 | 1 46 | 17 36 | 17 29 | 16 58 | 17 22 | 9 2 | 4 31 | 5 8 |
| W25 | 3 47 | 10 50 | 4 33 | 7 8 | 2 32 | 1 58 | 1 15 | 23 3 | 2 48 | 0 37 | 1 40 | 18 25 | 2 2 | 23 37 | 0 21 | 17 17 | 1 46 | 17 37 | 17 29 | 17 1 | 17 23 | 9 5 | 4 30 | 5 8 |
| T 26 | 4 10 | 15 38 | 4 55 | 6 40 | 2 20 | 2 28 | 1 14 | 22 58 | 2 46 | 0 40 | 1 40 | 18 25 | 2 2 | 23 37 | 0 21 | 17 17 | 1 46 | 17 37 | 17 29 | 17 4 | 17 24 | 9 8 | 4 28 | 5 8 |
| F 27 | 4 33 | 19 52 | 5 4 | 6 10 | 2 6 | 2 59 | 1 13 | 22 53 | 2 44 | 0 43 | 1 40 | 18 24 | 2 2 | 23 37 | 0 21 | 17 17 | 1 46 | 17 38 | 17 28 | 17 7 | 17 25 | 9 11 | 4 27 | 5 8 |
| S 28 | 4 56 | 23 20 | 4 59 | 5 40 | 1 51 | 3 29 | 1 12 | 22 48 | 2 42 | 0 46 | 1 40 | 18 23 | 2 2 | 23 37 | 0 21 | 17 16 | 1 46 | 17 38 | 17 28 | 17 10 | 17 26 | 9 14 | 4 26 | 5 8 |
| S 29 | 5 19 | 25 48 | 4 41 | 5 8 | 1 36 | 3 59 | 1 10 | 22 43 | 2 40 | 0 49 | 1 39 | 18 23 | 2 2 | 23 37 | 0 21 | 17 16 | 1 46 | 17 39 | 17 28 | 17 12 | 17 27 | 9 17 | 4 25 | 5 8 |
| M30 | 5 42 | 27 5 | 4 10 | 4 37 | 1 20 | 4 29 | 1 9 | 22 37 | 2 38 | 0 51 | 1 39 | 18 22 | 2 2 | 23 37 | 0 21 | 17 16 | 1 46 | 17 39 | 17 28 | 17 14 | 17 28 | 9 20 | 4 23 | 5 9 |
| T 31 | 6n 4 | 27n 1 | 3n27 | 4n 6 | 1n 4 | 4n59 | 1s 7 | 22n32 | 2n36 | 0n54 | 1n39 | 18s22 | 2n 2 | 23s37 | 0s21 | 17s16 | 1n46 | 17n40 | 17n28 | 17s15 | 17s29 | 9n23 | 4s22 | 5n 9 |

Julian Day Number = 2080888.5, Delta T = 25m38s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'46, Lahiri = 9°42'47 Julian Calendar 1 March 985 == Greg. Calendar 6 March 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## APRIL 985 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 57 52 | 16♈18'46 | 12♋ 9 | 7°R14 | 16♈28 | 1♌33 | 1°R25 | 0°R23 | 9♏ 8 | 24°R22 | 25°R43 | 12°D 8 | 11♒16 | 13♈14 | 6♓38 | W 1 |
| T 2 | 13 1 49 | 17°17'11 | 25°16 | 6♈40 | 17°42 | 1°50 | 1♎17 | 0♐21 | 9° 9 | 24♏21 | 25♍42 | 12♒ 8 | 11°13 | 13°20 | 6°41 | T 2 |
| F 3 | 13 5 45 | 18°15'35 | 8♌46 | 6° 9 | 18°56 | 2° 8 | 1°10 | 0°18 | 9° 9 | 24°19 | 25°40 | 12°R 8 | 11°10 | 13°27 | 6°44 | F 3 |
| S 4 | 13 9 42 | 19°13'56 | 22°44 | 5°43 | 20°10 | 2°26 | 1° 3 | 0°15 | 9° 9 | 24°18 | 25°39 | 12° 8 | 11° 7 | 13°34 | 6°47 | S 4 |
| S 5 | 13 13 38 | 20°12'15 | 7♍ 9 | 5°21 | 21°24 | 2°44 | 0°56 | 0°13 | 9° 9 | 24°17 | 25°37 | 12° 6 | 11° 4 | 13°41 | 6°50 | S 5 |
| M 6 | 13 17 35 | 21°10'32 | 21°59 | 5° 4 | 22°38 | 3° 3 | 0°49 | 0°10 | 9°10 | 24°16 | 25°36 | 12° 1 | 11° 1 | 13°47 | 6°53 | M 6 |
| T 7 | 13 21 31 | 22° 8'47 | 7♎ 8 | 4°51 | 23°52 | 3°23 | 0°43 | 0° 7 | 9°10 | 24°14 | 25°34 | 11°54 | 10°57 | 13°54 | 6°55 | T 7 |
| W 8 | 13 25 28 | 23° 7'00 | 22°26 | 4°44 | 25° 6 | 3°42 | 0°36 | 0° 4 | 9°R10 | 24°13 | 25°33 | 11°45 | 10°54 | 14° 1 | 6°58 | W 8 |
| T 9 | 13 29 25 | 24° 5'11 | 7♏44 | 4°D41 | 26°20 | 4° 2 | 0°29 | 0° 1 | 9°10 | 24°12 | 25°32 | 11°34 | 10°51 | 14° 7 | 7° 1 | T 9 |
| F 10 | 13 33 21 | 25° 3'21 | 22°48 | 4°43 | 27°34 | 4°23 | 0°23 | 29♏57 | 9°10 | 24°10 | 25°30 | 11°24 | 10°48 | 14°14 | 7° 4 | F 10 |
| S 11 | 13 37 18 | 26° 1'29 | 7♐31 | 4°50 | 28°48 | 4°43 | 0°17 | 29°54 | 9° 9 | 24° 9 | 25°29 | 11°16 | 10°45 | 14°21 | 7° 7 | S 11 |
| S 12 | 13 41 14 | 26°59'35 | 21°46 | 5° 2 | 0♑ 2 | 5° 4 | 0°10 | 29°51 | 9° 9 | 24° 8 | 25°27 | 11° 9 | 10°41 | 14°27 | 7° 9 | S 12 |
| M13 | 13 45 11 | 27°57'40 | 5♑31 | 5°18 | 1°16 | 5°26 | 0° 4 | 29°48 | 9° 9 | 24° 6 | 25°26 | 11° 5 | 10°38 | 14°34 | 7°12 | M13 |
| T 14 | 13 49 7 | 28°55'44 | 18°47 | 5°39 | 2°30 | 5°48 | 29♍58 | 29°44 | 9° 9 | 24° 5 | 25°25 | 11° 4 | 10°35 | 14°41 | 7°14 | T 14 |
| W15 | 13 53 4 | 29°53'46 | 1♒36 | 6° 4 | 3°44 | 6°10 | 29°52 | 29°41 | 9° 8 | 24° 3 | 25°23 | 11°D 3 | 10°32 | 14°48 | 7°17 | W15 |
| T 16 | 13 57 0 | 0♉51'46 | 14° 5 | 6°34 | 4°58 | 6°32 | 29°46 | 29°37 | 9° 8 | 24° 2 | 25°22 | 11°R 3 | 10°29 | 14°54 | 7°20 | T 16 |
| F 17 | 14 0 57 | 1°49'46 | 26°16 | 7° 7 | 6°12 | 6°55 | 29°41 | 29°34 | 9° 8 | 24° 0 | 25°21 | 11° 3 | 10°26 | 15° 1 | 7°22 | F 17 |
| S 18 | 14 4 54 | 2°47'43 | 8♓17 | 7°45 | 7°25 | 7°18 | 29°35 | 29°30 | 9° 7 | 23°59 | 25°20 | 11° 0 | 10°22 | 15° 8 | 7°25 | S 18 |
| S 19 | 14 8 50 | 3°45'40 | 20°10 | 8°26 | 8°39 | 7°41 | 29°30 | 29°26 | 9° 7 | 23°58 | 25°18 | 10°55 | 10°19 | 15°14 | 7°27 | S 19 |
| M20 | 14 12 47 | 4°43'35 | 2♈ 0 | 9°11 | 9°53 | 8° 4 | 29°25 | 29°22 | 9° 6 | 23°56 | 25°17 | 10°47 | 10°16 | 15°21 | 7°29 | M20 |
| T 21 | 14 16 43 | 5°41'28 | 13°50 | 10° 0 | 11° 7 | 8°28 | 29°20 | 29°19 | 9° 6 | 23°55 | 25°16 | 10°36 | 10°13 | 15°28 | 7°32 | T 21 |
| W22 | 14 20 40 | 6°39'20 | 25°42 | 10°52 | 12°21 | 8°52 | 29°15 | 29°15 | 9° 5 | 23°53 | 25°15 | 10°24 | 10°10 | 15°35 | 7°34 | W22 |
| T 23 | 14 24 36 | 7°37'11 | 7♉37 | 11°47 | 13°35 | 9°17 | 29°10 | 29°11 | 9° 4 | 23°51 | 25°14 | 10°10 | 10° 7 | 15°41 | 7°36 | T 23 |
| F 24 | 14 28 33 | 8°35'00 | 19°39 | 12°46 | 14°49 | 9°42 | 29° 5 | 29° 7 | 9° 3 | 23°50 | 25°13 | 9°56 | 10° 3 | 15°48 | 7°38 | F 24 |
| S 25 | 14 32 29 | 9°32'48 | 1♊46 | 13°47 | 16° 2 | 10° 7 | 29° 1 | 29° 3 | 9° 3 | 23°48 | 25°11 | 9°43 | 10° 0 | 15°55 | 7°40 | S 25 |
| S 26 | 14 36 26 | 10°30'34 | 14° 1 | 14°52 | 17°16 | 10°32 | 28°57 | 28°59 | 9° 2 | 23°47 | 25°10 | 9°32 | 9°57 | 16° 1 | 7°43 | S 26 |
| M27 | 14 40 23 | 11°28'19 | 26°25 | 15°59 | 18°30 | 10°57 | 28°52 | 28°55 | 9° 1 | 23°45 | 25° 9 | 9°24 | 9°54 | 16° 8 | 7°45 | M27 |
| T 28 | 14 44 19 | 12°26'02 | 9♋ 1 | 17° 9 | 19°44 | 11°23 | 28°48 | 28°51 | 9° 0 | 23°44 | 25° 8 | 9°19 | 9°51 | 16°15 | 7°47 | T 28 |
| W29 | 14 48 16 | 13°23'43 | 21°50 | 18°22 | 20°57 | 11°49 | 28°45 | 28°46 | 8°59 | 23°42 | 25° 7 | 9°17 | 9°47 | 16°22 | 7°49 | W29 |
| T 30 | 14 52 12 | 14♉21'23 | 4♌57 | 19♈37 | 22♉11 | 12♌15 | 28♍41 | 28♏42 | 8♏58 | 23♏40 | 25♍ 6 | 9♒16 | 9♒44 | 16♈28 | 7♓51 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n27 | 25n33 | 2n33 | 3n36 | 0n47 | 5n29 | 1s 6 | 22n26 | 2n34 | 0n57 | 1n39 | 18s21 | 2n 2 | 23s37 | 0s21 | 17s15 | 1n46 | 17n40 | 17n28 | 17s15 | 17s29 | 9n26 | 4s21 | 5n 9 |
| T 2 | 6 49 | 22 39 | 1 29 | 3 7 | 0 30 | 5 59 | 1 4 | 22 20 | 2 33 | 1 0 | 1 39 | 18 21 | 2 2 | 23 37 | 0 21 | 17 15 | 1 46 | 17 40 | 17 28 | 17 15 | 17 30 | 9 29 | 4 20 | 5 9 |
| F 3 | 7 12 | 18 27 | 0 18 | 2 40 | 0 14 | 6 29 | 1 3 | 22 14 | 2 31 | 1 3 | 1 39 | 18 20 | 2 2 | 23 37 | 0 21 | 17 15 | 1 46 | 17 41 | 17 27 | 17 15 | 17 31 | 9 32 | 4 18 | 5 9 |
| S 4 | 7 34 | 13 8 | 0s56 | 2 14 | 0s 3 | 6 59 | 1 1 | 22 9 | 2 29 | 1 5 | 1 39 | 18 19 | 2 3 | 23 37 | 0 21 | 17 14 | 1 46 | 17 41 | 17 27 | 17 15 | 17 32 | 9 35 | 4 17 | 5 9 |
| S 5 | 7 56 | 6 57 | 2 9 | 1 51 | 0 19 | 7 28 | 1 0 | 22 3 | 2 27 | 1 8 | 1 39 | 18 19 | 2 3 | 23 37 | 0 21 | 17 14 | 1 46 | 17 42 | 17 27 | 17 16 | 17 33 | 9 38 | 4 16 | 5 9 |
| M 6 | 8 18 | 0 13 | 3 15 | 1 30 | 0 35 | 7 57 | 0 58 | 21 56 | 2 25 | 1 11 | 1 39 | 18 18 | 2 3 | 23 37 | 0 22 | 17 14 | 1 46 | 17 42 | 17 27 | 17 17 | 17 34 | 9 41 | 4 15 | 5 10 |
| T 7 | 8 40 | 6s39 | 4 8 | 1 11 | 0 50 | 8 27 | 0 56 | 21 50 | 2 24 | 1 13 | 1 39 | 18 17 | 2 3 | 23 37 | 0 22 | 17 13 | 1 46 | 17 43 | 17 27 | 17 19 | 17 35 | 9 44 | 4 13 | 5 10 |
| W 8 | 9 2 | 13 11 | 4 45 | 0 55 | 1 4 | 8 56 | 0 54 | 21 44 | 2 22 | 1 16 | 1 38 | 18 16 | 2 3 | 23 37 | 0 22 | 17 13 | 1 46 | 17 43 | 17 26 | 17 22 | 17 36 | 9 47 | 4 12 | 5 10 |
| T 9 | 9 24 | 18 54 | 5 1 | 0 41 | 1 18 | 9 24 | 0 52 | 21 37 | 2 20 | 1 18 | 1 38 | 18 16 | 2 3 | 23 37 | 0 22 | 17 12 | 1 46 | 17 43 | 17 26 | 17 24 | 17 36 | 9 50 | 4 11 | 5 10 |
| F 10 | 9 45 | 23 20 | 4 56 | 0 30 | 1 31 | 9 53 | 0 51 | 21 31 | 2 18 | 1 21 | 1 38 | 18 15 | 2 3 | 23 37 | 0 22 | 17 12 | 1 46 | 17 44 | 17 26 | 17 27 | 17 37 | 9 53 | 4 10 | 5 10 |
| S 11 | 10 6 | 26 8 | 4 31 | 0 21 | 1 43 | 10 21 | 0 49 | 21 24 | 2 17 | 1 23 | 1 38 | 18 14 | 2 3 | 23 37 | 0 22 | 17 12 | 1 46 | 17 44 | 17 26 | 17 30 | 17 38 | 9 56 | 4 9 | 5 10 |
| S 12 | 10 27 | 27 8 | 3 50 | 0 15 | 1 55 | 10 49 | 0 47 | 21 17 | 2 15 | 1 26 | 1 38 | 18 13 | 2 3 | 23 37 | 0 22 | 17 11 | 1 46 | 17 44 | 17 25 | 17 31 | 17 39 | 9 59 | 4 8 | 5 11 |
| M13 | 10 48 | 26 24 | 2 56 | 0 12 | 2 5 | 11 17 | 0 45 | 21 10 | 2 13 | 1 28 | 1 38 | 18 13 | 2 3 | 23 37 | 0 22 | 17 11 | 1 46 | 17 44 | 17 25 | 17 33 | 17 40 | 10 2 | 4 6 | 5 11 |
| T 14 | 11 9 | 24 9 | 1 55 | 0 11 | 2 15 | 11 44 | 0 43 | 21 3 | 2 12 | 1 30 | 1 38 | 18 12 | 2 3 | 23 37 | 0 22 | 17 11 | 1 46 | 17 45 | 17 25 | 17 33 | 17 41 | 10 5 | 4 5 | 5 11 |
| W15 | 11 30 | 20 43 | 0 50 | 0 13 | 2 24 | 12 12 | 0 41 | 20 56 | 2 10 | 1 32 | 1 37 | 18 11 | 2 3 | 23 37 | 0 22 | 17 10 | 1 46 | 17 45 | 17 24 | 17 33 | 17 42 | 10 8 | 4 4 | 5 11 |
| T 16 | 11 50 | 16 26 | 0n16 | 0 17 | 2 32 | 12 39 | 0 38 | 20 49 | 2 9 | 1 34 | 1 37 | 18 10 | 2 3 | 23 37 | 0 22 | 17 10 | 1 46 | 17 45 | 17 24 | 17 33 | 17 43 | 10 11 | 4 3 | 5 11 |
| F 17 | 12 11 | 11 35 | 1 20 | 0 24 | 2 40 | 13 5 | 0 36 | 20 42 | 2 7 | 1 37 | 1 37 | 18 10 | 2 3 | 23 37 | 0 22 | 17 10 | 1 46 | 17 45 | 17 24 | 17 33 | 17 43 | 10 14 | 4 2 | 5 11 |
| S 18 | 12 31 | 6 22 | 2 19 | 0 33 | 2 46 | 13 32 | 0 34 | 20 34 | 2 5 | 1 39 | 1 37 | 18 9 | 2 4 | 23 37 | 0 22 | 17 9 | 1 46 | 17 46 | 17 23 | 17 34 | 17 44 | 10 17 | 4 1 | 5 12 |
| S 19 | 12 50 | 1 0 | 3 11 | 0 44 | 2 52 | 13 58 | 0 32 | 20 27 | 2 4 | 1 41 | 1 37 | 18 8 | 2 4 | 23 37 | 0 22 | 17 9 | 1 47 | 17 46 | 17 23 | 17 35 | 17 45 | 10 20 | 4 0 | 5 12 |
| M20 | 13 10 | 4n23 | 3 55 | 0 58 | 2 57 | 14 23 | 0 30 | 20 19 | 2 2 | 1 42 | 1 36 | 18 7 | 2 4 | 23 37 | 0 22 | 17 8 | 1 47 | 17 46 | 17 23 | 17 38 | 17 46 | 10 23 | 3 59 | 5 12 |
| T 21 | 13 30 | 9 36 | 4 28 | 1 13 | 3 1 | 14 49 | 0 28 | 20 11 | 2 1 | 1 44 | 1 36 | 18 6 | 2 4 | 23 37 | 0 22 | 17 8 | 1 47 | 17 46 | 17 22 | 17 40 | 17 47 | 10 26 | 3 58 | 5 12 |
| W22 | 13 49 | 14 28 | 4 50 | 1 30 | 3 4 | 15 14 | 0 25 | 20 3 | 1 59 | 1 46 | 1 36 | 18 5 | 2 4 | 23 37 | 0 22 | 17 8 | 1 47 | 17 46 | 17 22 | 17 44 | 17 48 | 10 29 | 3 57 | 5 12 |
| T 23 | 14 8 | 18 50 | 4 59 | 1 50 | 3 7 | 15 38 | 0 23 | 19 55 | 1 58 | 1 48 | 1 36 | 18 4 | 2 4 | 23 38 | 0 22 | 17 7 | 1 47 | 17 46 | 17 22 | 17 48 | 17 49 | 10 32 | 3 56 | 5 13 |
| F 24 | 14 27 | 22 28 | 4 55 | 2 11 | 3 8 | 16 2 | 0 21 | 19 47 | 1 56 | 1 49 | 1 36 | 18 4 | 2 4 | 23 38 | 0 22 | 17 7 | 1 47 | 17 47 | 17 21 | 17 52 | 17 49 | 10 34 | 3 55 | 5 13 |
| S 25 | 14 45 | 25 10 | 4 38 | 2 34 | 3 9 | 16 26 | 0 18 | 19 39 | 1 55 | 1 51 | 1 35 | 18 3 | 2 4 | 23 38 | 0 22 | 17 6 | 1 47 | 17 47 | 17 21 | 17 55 | 17 50 | 10 37 | 3 54 | 5 13 |
| S 26 | 15 3 | 26 42 | 4 8 | 2 58 | 3 10 | 16 50 | 0 16 | 19 31 | 1 53 | 1 53 | 1 35 | 18 2 | 2 4 | 23 38 | 0 22 | 17 6 | 1 47 | 17 47 | 17 21 | 17 58 | 17 51 | 10 40 | 3 53 | 5 13 |
| M27 | 15 21 | 26 57 | 3 25 | 3 24 | 3 10 | 17 13 | 0 14 | 19 22 | 1 52 | 1 54 | 1 35 | 18 1 | 2 4 | 23 38 | 0 22 | 17 6 | 1 47 | 17 47 | 17 20 | 18 0 | 17 52 | 10 43 | 3 52 | 5 14 |
| T 28 | 15 39 | 25 48 | 2 32 | 3 52 | 3 9 | 17 35 | 0 11 | 19 14 | 1 50 | 1 55 | 1 35 | 18 0 | 2 4 | 23 38 | 0 22 | 17 5 | 1 47 | 17 47 | 17 20 | 18 1 | 17 53 | 10 46 | 3 51 | 5 14 |
| W29 | 15 57 | 23 17 | 1 31 | 4 21 | 3 7 | 17 57 | 0 9 | 19 5 | 1 49 | 1 57 | 1 34 | 17 59 | 2 4 | 23 38 | 0 22 | 17 5 | 1 47 | 17 47 | 17 19 | 18 2 | 17 54 | 10 49 | 3 50 | 5 14 |
| T 30 | 16n14 | 19n30 | 0n23 | 4n52 | 3s 5 | 18n19 | 0s 6 | 18n56 | 1n48 | 1n58 | 1n34 | 17s58 | 2n 4 | 23s38 | 0s22 | 17s 4 | 1n47 | 17n47 | 17n19 | 18s 2 | 17s55 | 10n52 | 3s49 | 5n14 |

Julian Day Number = 2080919.5, Delta T = 25m37s
Ecliptic obliquity = 23°34'21, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'51, Lahiri = 9°42'51 Julian Calendar 1 Apr. 985 == Greg. Calendar 6 Apr. 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## MAY 985 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 56 9 | 15♉19'01 | 18♌23 | 20♈55 | 23♉25 | 12♌42 | 28°R37 | 28°R38 | 8°R57 | 23°R39 | 25°R 6 | 9°R16 | 9♒41 | 16♈35 | 7♓52 | F 1 |
| S 2 | 15 0 5 | 16°16'38 | 2♍12 | 22°16 | 24°39 | 13° 8 | 28♍34 | 28♏34 | 8♑56 | 23♏37 | 25♍ 5 | 9♒15 | 9°38 | 16°42 | 7°54 | S 2 |
| S 3 | 15 4 2 | 17°14'13 | 16°24 | 23°39 | 25°52 | 13°35 | 28°31 | 28°29 | 8°55 | 23°36 | 25° 4 | 9°13 | 9°35 | 16°48 | 7°56 | S 3 |
| M 4 | 15 7 58 | 18°11'46 | 0♎59 | 25° 5 | 27° 6 | 14° 3 | 28°28 | 28°25 | 8°53 | 23°34 | 25° 3 | 9° 8 | 9°32 | 16°55 | 7°58 | M 4 |
| T 5 | 15 11 55 | 19° 9'18 | 15°53 | 26°33 | 28°20 | 14°30 | 28°25 | 28°21 | 8°52 | 23°32 | 25° 2 | 9° 1 | 9°28 | 17° 2 | 8° 0 | T 5 |
| W 6 | 15 15 51 | 20° 6'49 | 0♏58 | 28° 4 | 29°33 | 14°57 | 28°23 | 28°16 | 8°51 | 23°31 | 25° 1 | 8°52 | 9°25 | 17° 9 | 8° 1 | W 6 |
| T 7 | 15 19 48 | 21° 4'18 | 16° 5 | 29°37 | 0♊47 | 15°25 | 28°20 | 28°12 | 8°49 | 23°29 | 25° 1 | 8°41 | 9°22 | 17°15 | 8° 3 | T 7 |
| F 8 | 15 23 45 | 22° 1'46 | 1♐ 5 | 1♉12 | 2° 1 | 15°53 | 28°18 | 28° 8 | 8°48 | 23°28 | 25° 0 | 8°31 | 9°19 | 17°22 | 8° 4 | F 8 |
| S 9 | 15 27 41 | 22°59'13 | 15°47 | 2°50 | 3°14 | 16°21 | 28°16 | 28° 3 | 8°47 | 23°26 | 24°59 | 8°22 | 9°16 | 17°29 | 8° 6 | S 9 |
| S 10 | 15 31 38 | 23°56'40 | 0♑ 4 | 4°30 | 4°28 | 16°50 | 28°14 | 27°59 | 8°45 | 23°24 | 24°58 | 8°15 | 9°13 | 17°35 | 8° 7 | S 10 |
| M11 | 15 35 34 | 24°54'05 | 13°53 | 6°13 | 5°41 | 17°18 | 28°12 | 27°54 | 8°44 | 23°23 | 24°58 | 8°10 | 9° 9 | 17°42 | 8° 9 | M11 |
| T 12 | 15 39 31 | 25°51'30 | 27°14 | 7°58 | 6°55 | 17°47 | 28°11 | 27°50 | 8°42 | 23°21 | 24°57 | 8° 8 | 9° 6 | 17°49 | 8°10 | T 12 |
| W13 | 15 43 27 | 26°48'54 | 10♒ 8 | 9°46 | 8° 9 | 18°16 | 28° 9 | 27°46 | 8°41 | 23°20 | 24°57 | 8°D 8 | 9° 3 | 17°56 | 8°11 | W13 |
| T 14 | 15 47 24 | 27°46'17 | 22°40 | 11°35 | 9°22 | 18°45 | 28° 8 | 27°41 | 8°39 | 23°18 | 24°56 | 8°R 8 | 9° 0 | 18° 2 | 8°13 | T 14 |
| F 15 | 15 51 21 | 28°43'39 | 4♓53 | 13°27 | 10°36 | 19°15 | 28° 7 | 27°37 | 8°37 | 23°16 | 24°56 | 8° 8 | 8°57 | 18° 9 | 8°14 | F 15 |
| S 16 | 15 55 17 | 29°41'01 | 16°54 | 15°22 | 11°49 | 19°44 | 28° 6 | 27°32 | 8°36 | 23°15 | 24°55 | 8° 7 | 8°53 | 18°16 | 8°15 | S 16 |
| S 17 | 15 59 14 | 0♊38'22 | 28°47 | 17°19 | 13° 3 | 20°14 | 28° 5 | 27°28 | 8°34 | 23°13 | 24°55 | 8° 3 | 8°50 | 18°22 | 8°16 | S 17 |
| M18 | 16 3 10 | 1°35'43 | 10♈38 | 19°17 | 14°16 | 20°44 | 28° 5 | 27°23 | 8°32 | 23°11 | 24°54 | 7°57 | 8°47 | 18°29 | 8°17 | M18 |
| T 19 | 16 7 7 | 2°33'03 | 22°29 | 21°18 | 15°30 | 21°14 | 28° 5 | 27°19 | 8°31 | 23°10 | 24°54 | 7°49 | 8°44 | 18°36 | 8°18 | T 19 |
| W20 | 16 11 3 | 3°30'22 | 4♉24 | 23°21 | 16°43 | 21°44 | 28°D 4 | 27°15 | 8°29 | 23° 8 | 24°53 | 7°38 | 8°41 | 18°43 | 8°19 | W20 |
| T 21 | 16 15 0 | 4°27'41 | 16°26 | 25°26 | 17°57 | 22°14 | 28° 4 | 27°10 | 8°27 | 23° 7 | 24°53 | 7°27 | 8°38 | 18°49 | 8°20 | T 21 |
| F 22 | 16 18 56 | 5°24'59 | 28°36 | 27°32 | 19°10 | 22°45 | 28° 5 | 27° 6 | 8°25 | 23° 5 | 24°53 | 7°15 | 8°34 | 18°56 | 8°21 | F 22 |
| S 23 | 16 22 53 | 6°22'16 | 10♊55 | 29°40 | 20°24 | 23°15 | 28° 5 | 27° 2 | 8°23 | 23° 4 | 24°53 | 7° 5 | 8°31 | 19° 3 | 8°21 | S 23 |
| S 24 | 16 26 50 | 7°19'33 | 23°24 | 1♊49 | 21°37 | 23°46 | 28° 6 | 26°57 | 8°21 | 23° 2 | 24°52 | 6°56 | 8°28 | 19° 9 | 8°22 | S 24 |
| M25 | 16 30 46 | 8°16'49 | 6♋ 4 | 3°59 | 22°51 | 24°17 | 28° 6 | 26°53 | 8°19 | 23° 0 | 24°52 | 6°50 | 8°25 | 19°16 | 8°23 | M25 |
| T 26 | 16 34 43 | 9°14'05 | 18°54 | 6°10 | 24° 4 | 24°49 | 28° 7 | 26°49 | 8°17 | 22°59 | 24°52 | 6°46 | 8°22 | 19°23 | 8°23 | T 26 |
| W27 | 16 38 39 | 10°11'20 | 1♌57 | 8°22 | 25°18 | 25°20 | 28° 9 | 26°44 | 8°15 | 22°57 | 24°52 | 6°D45 | 8°19 | 19°30 | 8°24 | W27 |
| T 28 | 16 42 36 | 11° 8'34 | 15°13 | 10°33 | 26°31 | 25°51 | 28°10 | 26°40 | 8°13 | 22°56 | 24°52 | 6°45 | 8°15 | 19°36 | 8°25 | T 28 |
| F 29 | 16 46 32 | 12° 5'47 | 28°45 | 12°45 | 27°45 | 26°23 | 28°11 | 26°36 | 8°11 | 22°54 | 24°52 | 6°46 | 8°12 | 19°43 | 8°25 | F 29 |
| S 30 | 16 50 29 | 13° 2'59 | 12♍32 | 14°56 | 28°58 | 26°55 | 28°13 | 26°32 | 8° 9 | 22°53 | 24°52 | 6°R46 | 8° 9 | 19°50 | 8°25 | S 30 |
| S 31 | 16 54 25 | 14♊ 0'11 | 26♍37 | 17♊ 7 | 0♋11 | 27♌27 | 28♍15 | 26♏28 | 8♑ 7 | 22♏51 | 24°D52 | 6♒45 | 8♒ 6 | 19♈56 | 8♓26 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n31 | 14n38 | 0s48 | 5n24 | 3s 2 | 18n40 | 0s 4 | 18n47 | 1n46 | 1n59 | 1n34 | 17s57 | 2n 4 | 23s38 | 0s22 | 17s 4 | 1n47 | 17n47 | 17n19 | 18s 2 | 17s55 | 10n55 | 3s48 | 5n14 |
| S 2 | 16 48 | 8 55 | 1 58 | 5 58 | 2 58 | 19 0 | 0 2 | 18 38 | 1 45 | 2 0 | 1 34 | 17 56 | 2 4 | 23 38 | 0 22 | 17 4 | 1 47 | 17 47 | 17 18 | 18 2 | 17 56 | 10 58 | 3 47 | 5 15 |
| S 3 | 17 4 | 2 35 | 3 3 | 6 32 | 2 54 | 19 21 | 0n 1 | 18 29 | 1 43 | 2 1 | 1 34 | 17 55 | 2 4 | 23 38 | 0 22 | 17 3 | 1 47 | 17 47 | 17 18 | 18 3 | 17 57 | 11 1 | 3 46 | 5 15 |
| M 4 | 17 21 | 4s 1 | 3 57 | 7 8 | 2 49 | 19 40 | 0 3 | 18 20 | 1 42 | 2 2 | 1 33 | 17 54 | 2 4 | 23 39 | 0 22 | 17 3 | 1 47 | 17 47 | 17 17 | 18 4 | 17 58 | 11 4 | 3 45 | 5 15 |
| T 5 | 17 37 | 10 32 | 4 37 | 7 45 | 2 44 | 19 59 | 0 6 | 18 11 | 1 41 | 2 3 | 1 33 | 17 53 | 2 4 | 23 39 | 0 22 | 17 2 | 1 47 | 17 47 | 17 17 | 18 6 | 17 59 | 11 7 | 3 45 | 5 15 |
| W 6 | 17 52 | 16 31 | 4 58 | 8 23 | 2 38 | 20 18 | 0 8 | 18 1 | 1 39 | 2 4 | 1 33 | 17 53 | 2 4 | 23 39 | 0 22 | 17 2 | 1 47 | 17 47 | 17 16 | 18 9 | 18 0 | 11 10 | 3 44 | 5 16 |
| T 7 | 18 8 | 21 30 | 4 58 | 9 2 | 2 32 | 20 36 | 0 10 | 17 52 | 1 38 | 2 5 | 1 33 | 17 52 | 2 4 | 23 39 | 0 22 | 17 2 | 1 47 | 17 46 | 17 16 | 18 11 | 18 1 | 11 13 | 3 43 | 5 16 |
| F 8 | 18 23 | 25 1 | 4 38 | 9 42 | 2 25 | 20 53 | 0 13 | 17 42 | 1 37 | 2 5 | 1 32 | 17 51 | 2 4 | 23 39 | 0 22 | 17 1 | 1 47 | 17 46 | 17 16 | 18 14 | 18 1 | 11 15 | 3 42 | 5 16 |
| S 9 | 18 37 | 26 47 | 4 0 | 10 22 | 2 17 | 21 10 | 0 15 | 17 32 | 1 35 | 2 6 | 1 32 | 17 50 | 2 4 | 23 39 | 0 22 | 17 1 | 1 47 | 17 46 | 17 15 | 18 16 | 18 2 | 11 18 | 3 41 | 5 16 |
| S 10 | 18 52 | 26 41 | 3 7 | 11 4 | 2 10 | 21 26 | 0 18 | 17 22 | 1 34 | 2 7 | 1 32 | 17 49 | 2 4 | 23 39 | 0 22 | 17 0 | 1 47 | 17 46 | 17 15 | 18 18 | 18 3 | 11 21 | 3 41 | 5 17 |
| M11 | 19 6 | 24 55 | 2 5 | 11 46 | 2 1 | 21 42 | 0 20 | 17 12 | 1 33 | 2 7 | 1 31 | 17 48 | 2 4 | 23 39 | 0 22 | 17 0 | 1 47 | 17 46 | 17 14 | 18 19 | 18 4 | 11 24 | 3 40 | 5 17 |
| T 12 | 19 20 | 21 46 | 0 57 | 12 28 | 1 52 | 21 57 | 0 22 | 17 2 | 1 31 | 2 7 | 1 31 | 17 47 | 2 3 | 23 39 | 0 22 | 17 0 | 1 47 | 17 46 | 17 14 | 18 20 | 18 5 | 11 27 | 3 39 | 5 17 |
| W13 | 19 33 | 17 38 | 0n11 | 13 11 | 1 43 | 22 12 | 0 25 | 16 52 | 1 30 | 2 8 | 1 31 | 17 46 | 2 3 | 23 40 | 0 22 | 16 59 | 1 47 | 17 46 | 17 13 | 18 20 | 18 6 | 11 30 | 3 38 | 5 17 |
| T 14 | 19 46 | 12 50 | 1 16 | 13 54 | 1 34 | 22 26 | 0 27 | 16 42 | 1 29 | 2 8 | 1 31 | 17 45 | 2 3 | 23 40 | 0 22 | 16 59 | 1 47 | 17 45 | 17 13 | 18 20 | 18 6 | 11 33 | 3 38 | 5 18 |
| F 15 | 19 59 | 7 39 | 2 17 | 14 38 | 1 24 | 22 39 | 0 30 | 16 31 | 1 28 | 2 8 | 1 30 | 17 44 | 2 3 | 23 40 | 0 22 | 16 58 | 1 47 | 17 45 | 17 12 | 18 20 | 18 7 | 11 36 | 3 37 | 5 18 |
| S 16 | 20 12 | 2 16 | 3 11 | 15 22 | 1 14 | 22 51 | 0 32 | 16 21 | 1 26 | 2 8 | 1 30 | 17 43 | 2 3 | 23 40 | 0 22 | 16 58 | 1 47 | 17 45 | 17 12 | 18 20 | 18 8 | 11 39 | 3 36 | 5 18 |
| S 17 | 20 24 | 3n 7 | 3 55 | 16 5 | 1 3 | 23 3 | 0 34 | 16 10 | 1 25 | 2 8 | 1 30 | 17 42 | 2 3 | 23 40 | 0 23 | 16 58 | 1 47 | 17 45 | 17 11 | 18 21 | 18 9 | 11 42 | 3 36 | 5 18 |
| M18 | 20 36 | 8 21 | 4 29 | 16 48 | 0 53 | 23 15 | 0 37 | 15 59 | 1 24 | 2 8 | 1 30 | 17 41 | 2 3 | 23 40 | 0 23 | 16 57 | 1 47 | 17 44 | 17 11 | 18 23 | 18 10 | 11 44 | 3 35 | 5 19 |
| T 19 | 20 47 | 13 18 | 4 52 | 17 31 | 0 42 | 23 25 | 0 39 | 15 48 | 1 23 | 2 8 | 1 29 | 17 40 | 2 3 | 23 40 | 0 23 | 16 57 | 1 47 | 17 44 | 17 10 | 18 25 | 18 11 | 11 47 | 3 34 | 5 19 |
| W20 | 20 58 | 17 47 | 5 2 | 18 13 | 0 31 | 23 35 | 0 41 | 15 38 | 1 22 | 2 8 | 1 29 | 17 39 | 2 3 | 23 40 | 0 23 | 16 56 | 1 47 | 17 44 | 17 10 | 18 28 | 18 11 | 11 50 | 3 34 | 5 19 |
| T 21 | 21 9 | 21 37 | 4 59 | 18 54 | 0 20 | 23 44 | 0 43 | 15 26 | 1 20 | 2 8 | 1 29 | 17 39 | 2 3 | 23 41 | 0 23 | 16 56 | 1 47 | 17 43 | 17 9 | 18 31 | 18 12 | 11 53 | 3 33 | 5 19 |
| F 22 | 21 19 | 24 33 | 4 42 | 19 34 | 0 9 | 23 53 | 0 46 | 15 15 | 1 19 | 2 7 | 1 29 | 17 38 | 2 3 | 23 41 | 0 23 | 16 56 | 1 47 | 17 43 | 17 9 | 18 34 | 18 13 | 11 56 | 3 33 | 5 20 |
| S 23 | 21 30 | 26 22 | 4 12 | 20 13 | 0n 2 | 24 1 | 0 48 | 15 4 | 1 18 | 2 7 | 1 28 | 17 37 | 2 3 | 23 41 | 0 23 | 16 55 | 1 47 | 17 43 | 17 8 | 18 36 | 18 14 | 11 59 | 3 32 | 5 20 |
| S 24 | 21 39 | 26 54 | 3 30 | 20 51 | 0 13 | 24 8 | 0 50 | 14 53 | 1 17 | 2 6 | 1 28 | 17 36 | 2 3 | 23 41 | 0 23 | 16 55 | 1 46 | 17 42 | 17 8 | 18 38 | 18 15 | 12 2 | 3 32 | 5 20 |
| M25 | 21 49 | 26 2 | 2 36 | 21 26 | 0 23 | 24 15 | 0 52 | 14 41 | 1 16 | 2 6 | 1 28 | 17 35 | 2 2 | 23 41 | 0 23 | 16 55 | 1 46 | 17 42 | 17 7 | 18 40 | 18 16 | 12 4 | 3 31 | 5 20 |
| T 26 | 21 57 | 23 47 | 1 34 | 22 0 | 0 33 | 24 20 | 0 54 | 14 30 | 1 14 | 2 5 | 1 27 | 17 34 | 2 2 | 23 41 | 0 23 | 16 54 | 1 46 | 17 41 | 17 7 | 18 41 | 18 16 | 12 7 | 3 31 | 5 21 |
| W27 | 22 6 | 20 15 | 0 26 | 22 32 | 0 43 | 24 25 | 0 56 | 14 18 | 1 13 | 2 4 | 1 27 | 17 33 | 2 2 | 23 41 | 0 23 | 16 54 | 1 46 | 17 41 | 17 6 | 18 41 | 18 17 | 12 10 | 3 30 | 5 21 |
| T 28 | 22 14 | 15 38 | 0s45 | 23 1 | 0 52 | 24 30 | 0 58 | 14 6 | 1 12 | 2 4 | 1 27 | 17 32 | 2 2 | 23 42 | 0 23 | 16 54 | 1 46 | 17 41 | 17 6 | 18 41 | 18 18 | 12 13 | 3 30 | 5 21 |
| F 29 | 22 22 | 10 11 | 1 55 | 23 28 | 1 1 | 24 33 | 1 0 | 13 54 | 1 11 | 2 3 | 1 27 | 17 31 | 2 2 | 23 42 | 0 23 | 16 53 | 1 46 | 17 40 | 17 5 | 18 41 | 18 19 | 12 16 | 3 30 | 5 21 |
| S 30 | 22 29 | 4 7 | 3 0 | 23 52 | 1 9 | 24 36 | 1 2 | 13 42 | 1 10 | 2 2 | 1 26 | 17 31 | 2 2 | 23 42 | 0 23 | 16 53 | 1 46 | 17 40 | 17 5 | 18 41 | 18 20 | 12 19 | 3 29 | 5 22 |
| S 31 | 22n36 | 2s14 | 3s55 | 24n13 | 1n17 | 24n38 | 1n 4 | 13n30 | 1n 9 | 2n 1 | 1n26 | 17s30 | 2n 2 | 23s42 | 0s23 | 16s52 | 1n46 | 17n39 | 17n 4 | 18s41 | 18s21 | 12n22 | 3s29 | 5n22 |

Julian Day Number = 2080949.5, Delta T = 25m37s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'55, Lahiri = 9°42'55 Julian Calendar 1 May 985 == Greg. Calendar 6 May 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## JUNE 985 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 58 22 | 14♊57'22 | 10♎58 | 19♊17 | 1♋25 | 27♌59 | 28♍17 | 26°R24 | 8°R 5 | 22°R50 | 24♍52 | 6°R43 | 8♒ 3 | 20♈ 3 | 8♓26 | M 1 |
| T 2 | 17 2 19 | 15°54'32 | 25°32 | 21°26 | 2°38 | 28°31 | 28°19 | 26♏20 | 8♑ 3 | 22♏48 | 24°52 | 6♒38 | 7°59 | 20°10 | 8°26 | T 2 |
| W 3 | 17 6 15 | 16°51'42 | 10♏15 | 23°34 | 3°51 | 29° 3 | 28°21 | 26°16 | 8° 0 | 22°47 | 24°52 | 6°32 | 7°56 | 20°17 | 8°26 | W 3 |
| T 4 | 17 10 12 | 17°48'51 | 25° 0 | 25°40 | 5° 5 | 29°36 | 28°24 | 26°12 | 7°58 | 22°45 | 24°52 | 6°25 | 7°53 | 20°23 | 8°27 | T 4 |
| F 5 | 17 14 8 | 18°46'00 | 9♐39 | 27°45 | 6°18 | 0♍ 8 | 28°27 | 26° 8 | 7°56 | 22°44 | 24°52 | 6°18 | 7°50 | 20°30 | 8°27 | F 5 |
| S 6 | 17 18 5 | 19°43'09 | 24° 6 | 29°48 | 7°31 | 0°41 | 28°29 | 26° 4 | 7°54 | 22°43 | 24°52 | 6°11 | 7°47 | 20°37 | 8°R27 | S 6 |
| S 7 | 17 22 1 | 20°40'17 | 8♑13 | 1♋49 | 8°45 | 1°14 | 28°33 | 26° 0 | 7°52 | 22°41 | 24°53 | 6° 7 | 7°44 | 20°43 | 8°27 | S 7 |
| M 8 | 17 25 58 | 21°37'26 | 21°57 | 3°48 | 9°58 | 1°47 | 28°36 | 25°56 | 7°49 | 22°40 | 24°53 | 6° 4 | 7°40 | 20°50 | 8°27 | M 8 |
| T 9 | 17 29 55 | 22°34'34 | 5♒16 | 5°46 | 11°11 | 2°20 | 28°39 | 25°52 | 7°47 | 22°39 | 24°53 | 6°D 3 | 7°37 | 20°57 | 8°26 | T 9 |
| W10 | 17 33 51 | 23°31'42 | 18°12 | 7°41 | 12°25 | 2°53 | 28°43 | 25°49 | 7°45 | 22°37 | 24°53 | 6° 3 | 7°34 | 21° 4 | 8°26 | W10 |
| T 11 | 17 37 48 | 24°28'51 | 0♓45 | 9°35 | 13°38 | 3°27 | 28°46 | 25°45 | 7°42 | 22°36 | 24°54 | 6° 5 | 7°31 | 21°10 | 8°26 | T 11 |
| F 12 | 17 41 44 | 25°26'00 | 13° 2 | 11°26 | 14°51 | 4° 0 | 28°50 | 25°42 | 7°40 | 22°35 | 24°54 | 6° 6 | 7°28 | 21°17 | 8°26 | F 12 |
| S 13 | 17 45 41 | 26°23'09 | 25° 5 | 13°16 | 16° 4 | 4°34 | 28°54 | 25°38 | 7°38 | 22°33 | 24°55 | 6°R 7 | 7°25 | 21°24 | 8°25 | S 13 |
| S 14 | 17 49 37 | 27°20'18 | 7♈ 1 | 15° 3 | 17°17 | 5° 8 | 28°58 | 25°35 | 7°35 | 22°32 | 24°55 | 6° 6 | 7°21 | 21°30 | 8°25 | S 14 |
| M15 | 17 53 34 | 28°17'28 | 18°53 | 16°49 | 18°31 | 5°41 | 29° 3 | 25°31 | 7°33 | 22°31 | 24°56 | 6° 4 | 7°18 | 21°37 | 8°24 | M15 |
| T 16 | 17 57 30 | 29°14'38 | 0♉46 | 18°32 | 19°44 | 6°15 | 29° 7 | 25°28 | 7°31 | 22°30 | 24°56 | 6° 1 | 7°15 | 21°44 | 8°24 | T 16 |
| W17 | 18 1 27 | 0♋11'48 | 12°45 | 20°13 | 20°57 | 6°50 | 29°12 | 25°25 | 7°28 | 22°28 | 24°57 | 5°56 | 7°12 | 21°51 | 8°23 | W17 |
| T 18 | 18 5 23 | 1° 8'59 | 24°53 | 21°52 | 22°10 | 7°24 | 29°17 | 25°22 | 7°26 | 22°27 | 24°57 | 5°50 | 7° 9 | 21°57 | 8°23 | T 18 |
| F 19 | 18 9 20 | 2° 6'10 | 7♊11 | 23°30 | 23°23 | 7°58 | 29°22 | 25°18 | 7°23 | 22°26 | 24°58 | 5°44 | 7° 5 | 22° 4 | 8°22 | F 19 |
| S 20 | 18 13 17 | 3° 3'22 | 19°42 | 25° 5 | 24°37 | 8°33 | 29°27 | 25°15 | 7°21 | 22°25 | 24°59 | 5°39 | 7° 2 | 22°11 | 8°21 | S 20 |
| S 21 | 18 17 13 | 4° 0'34 | 2♋27 | 26°38 | 25°50 | 9° 7 | 29°32 | 25°12 | 7°19 | 22°24 | 24°59 | 5°34 | 6°59 | 22°18 | 8°21 | S 21 |
| M22 | 18 21 10 | 4°57'46 | 15°26 | 28° 9 | 27° 3 | 9°42 | 29°37 | 25°10 | 7°16 | 22°23 | 25° 0 | 5°31 | 6°56 | 22°24 | 8°20 | M22 |
| T 23 | 18 25 6 | 5°54'58 | 28°38 | 29°38 | 28°16 | 10°17 | 29°43 | 25° 7 | 7°14 | 22°22 | 25° 1 | 5°30 | 6°53 | 22°31 | 8°19 | T 23 |
| W24 | 18 29 3 | 6°52'11 | 12♌ 2 | 1♌ 4 | 29°29 | 10°52 | 29°49 | 25° 4 | 7°11 | 22°21 | 25° 2 | 5°D30 | 6°50 | 22°38 | 8°18 | W24 |
| T 25 | 18 32 59 | 7°49'24 | 25°39 | 2°29 | 0♌42 | 11°27 | 29°55 | 25° 1 | 7° 9 | 22°20 | 25° 2 | 5°31 | 6°46 | 22°44 | 8°17 | T 25 |
| F 26 | 18 36 56 | 8°46'37 | 9♍26 | 3°51 | 1°55 | 12° 2 | 0♎ 1 | 24°59 | 7° 7 | 22°19 | 25° 3 | 5°32 | 6°43 | 22°51 | 8°16 | F 26 |
| S 27 | 18 40 53 | 9°43'50 | 23°23 | 5°11 | 3° 8 | 12°37 | 0° 7 | 24°56 | 7° 4 | 22°18 | 25° 4 | 5°34 | 6°40 | 22°58 | 8°15 | S 27 |
| S 28 | 18 44 49 | 10°41'03 | 7♎30 | 6°29 | 4°21 | 13°12 | 0°13 | 24°54 | 7° 2 | 22°17 | 25° 5 | 5°R34 | 6°37 | 23° 5 | 8°14 | S 28 |
| M29 | 18 48 46 | 11°38'17 | 21°43 | 7°45 | 5°34 | 13°48 | 0°19 | 24°52 | 6°59 | 22°16 | 25° 6 | 5°34 | 6°34 | 23°11 | 8°12 | M29 |
| T 30 | 18 52 42 | 12♋35'31 | 6♏ 2 | 8♌58 | 6♌47 | 14♍23 | 0♎26 | 24♏49 | 6♑57 | 22♏15 | 25♍ 7 | 5♒33 | 6♒31 | 23♈18 | 8♓11 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n43 | 8s36 | 4s37 | 24n32 | 1n24 | 24n40 | 1n 6 | 13n18 | 1n 8 | 2n 0 | 1n26 | 17s29 | 2n 2 | 23s42 | 0s23 | 16s52 | 1n46 | 17n39 | 17n 4 | 18s42 | 18s21 | 12n24 | 3s28 | 5n22 |
| T 2 | 22 49 | 14 35 | 5 1 | 24 48 | 1 31 | 24 40 | 1 8 | 13 6 | 1 7 | 1 59 | 1 26 | 17 28 | 2 2 | 23 42 | 0 23 | 16 52 | 1 46 | 17 38 | 17 3 | 18 43 | 18 22 | 12 27 | 3 28 | 5 22 |
| W 3 | 22 55 | 19 48 | 5 6 | 25 1 | 1 36 | 24 40 | 1 9 | 12 53 | 1 6 | 1 58 | 1 25 | 17 27 | 2 1 | 23 42 | 0 23 | 16 51 | 1 46 | 17 38 | 17 3 | 18 45 | 18 23 | 12 30 | 3 28 | 5 23 |
| T 4 | 23 1 | 23 49 | 4 51 | 25 11 | 1 41 | 24 40 | 1 11 | 12 41 | 1 4 | 1 56 | 1 25 | 17 27 | 2 1 | 23 43 | 0 23 | 16 51 | 1 46 | 17 37 | 17 2 | 18 46 | 18 24 | 12 33 | 3 27 | 5 23 |
| F 5 | 23 6 | 26 15 | 4 17 | 25 19 | 1 46 | 24 38 | 1 13 | 12 28 | 1 3 | 1 55 | 1 25 | 17 26 | 2 1 | 23 43 | 0 23 | 16 51 | 1 46 | 17 37 | 17 1 | 18 48 | 18 25 | 12 36 | 3 27 | 5 23 |
| S 6 | 23 10 | 26 53 | 3 27 | 25 24 | 1 49 | 24 36 | 1 15 | 12 16 | 1 2 | 1 54 | 1 24 | 17 25 | 2 1 | 23 43 | 0 23 | 16 50 | 1 46 | 17 36 | 17 1 | 18 50 | 18 26 | 12 38 | 3 27 | 5 23 |
| S 7 | 23 15 | 25 43 | 2 25 | 25 26 | 1 52 | 24 33 | 1 16 | 12 3 | 1 1 | 1 52 | 1 24 | 17 24 | 2 1 | 23 43 | 0 23 | 16 50 | 1 46 | 17 35 | 17 0 | 18 51 | 18 26 | 12 41 | 3 27 | 5 24 |
| M 8 | 23 18 | 23 1 | 1 16 | 25 25 | 1 54 | 24 29 | 1 18 | 11 50 | 1 0 | 1 51 | 1 24 | 17 24 | 2 1 | 23 43 | 0 23 | 16 50 | 1 46 | 17 35 | 17 0 | 18 52 | 18 27 | 12 44 | 3 27 | 5 24 |
| T 9 | 23 22 | 19 7 | 0 4 | 25 22 | 1 56 | 24 25 | 1 19 | 11 37 | 0 59 | 1 49 | 1 24 | 17 23 | 2 1 | 23 43 | 0 23 | 16 49 | 1 46 | 17 34 | 16 59 | 18 52 | 18 28 | 12 47 | 3 26 | 5 24 |
| W10 | 23 25 | 14 26 | 1n 5 | 25 17 | 1 56 | 24 20 | 1 21 | 11 24 | 0 58 | 1 47 | 1 23 | 17 22 | 2 0 | 23 44 | 0 23 | 16 49 | 1 46 | 17 34 | 16 59 | 18 52 | 18 29 | 12 50 | 3 26 | 5 25 |
| T 11 | 23 27 | 9 14 | 2 10 | 25 9 | 1 56 | 24 14 | 1 22 | 11 11 | 0 57 | 1 46 | 1 23 | 17 21 | 2 0 | 23 44 | 0 23 | 16 49 | 1 46 | 17 33 | 16 58 | 18 51 | 18 30 | 12 52 | 3 26 | 5 25 |
| F 12 | 23 30 | 3 50 | 3 7 | 25 0 | 1 56 | 24 7 | 1 23 | 10 58 | 0 56 | 1 44 | 1 23 | 17 21 | 2 0 | 23 44 | 0 23 | 16 49 | 1 46 | 17 32 | 16 58 | 18 51 | 18 30 | 12 55 | 3 26 | 5 25 |
| S 13 | 23 31 | 1n37 | 3 55 | 24 48 | 1 54 | 24 0 | 1 25 | 10 45 | 0 55 | 1 42 | 1 23 | 17 20 | 2 0 | 23 44 | 0 23 | 16 48 | 1 46 | 17 32 | 16 57 | 18 51 | 18 31 | 12 58 | 3 26 | 5 25 |
| S 14 | 23 33 | 6 57 | 4 32 | 24 35 | 1 52 | 23 52 | 1 26 | 10 31 | 0 54 | 1 40 | 1 22 | 17 19 | 2 0 | 23 44 | 0 23 | 16 48 | 1 46 | 17 31 | 16 57 | 18 51 | 18 32 | 13 1 | 3 26 | 5 26 |
| M15 | 23 34 | 12 0 | 4 57 | 24 19 | 1 50 | 23 43 | 1 27 | 10 18 | 0 53 | 1 38 | 1 22 | 17 19 | 2 0 | 23 44 | 0 23 | 16 48 | 1 46 | 17 30 | 16 56 | 18 52 | 18 33 | 13 4 | 3 26 | 5 26 |
| T 16 | 23 34 | 16 37 | 5 9 | 24 2 | 1 46 | 23 34 | 1 28 | 10 4 | 0 52 | 1 36 | 1 22 | 17 18 | 1 59 | 23 44 | 0 23 | 16 47 | 1 46 | 17 30 | 16 56 | 18 52 | 18 34 | 13 6 | 3 26 | 5 26 |
| W17 | 23 34 | 20 38 | 5 8 | 23 44 | 1 43 | 23 24 | 1 29 | 9 51 | 0 51 | 1 34 | 1 22 | 17 18 | 1 59 | 23 45 | 0 23 | 16 47 | 1 46 | 17 29 | 16 55 | 18 54 | 18 35 | 13 9 | 3 26 | 5 26 |
| T 18 | 23 34 | 23 50 | 4 54 | 23 24 | 1 38 | 23 13 | 1 30 | 9 37 | 0 50 | 1 32 | 1 21 | 17 17 | 1 59 | 23 45 | 0 23 | 16 47 | 1 46 | 17 28 | 16 55 | 18 55 | 18 35 | 13 12 | 3 26 | 5 27 |
| F 19 | 23 33 | 25 59 | 4 25 | 23 3 | 1 33 | 23 1 | 1 31 | 9 23 | 0 49 | 1 30 | 1 21 | 17 16 | 1 59 | 23 45 | 0 23 | 16 47 | 1 46 | 17 28 | 16 54 | 18 57 | 18 36 | 13 15 | 3 26 | 5 27 |
| S 20 | 23 32 | 26 53 | 3 44 | 22 41 | 1 28 | 22 49 | 1 32 | 9 9 | 0 48 | 1 27 | 1 21 | 17 16 | 1 59 | 23 45 | 0 23 | 16 46 | 1 46 | 17 27 | 16 54 | 18 58 | 18 37 | 13 17 | 3 26 | 5 27 |
| S 21 | 23 31 | 26 24 | 2 51 | 22 17 | 1 22 | 22 37 | 1 32 | 8 55 | 0 47 | 1 25 | 1 21 | 17 15 | 1 58 | 23 45 | 0 23 | 16 46 | 1 46 | 17 26 | 16 53 | 18 59 | 18 38 | 13 20 | 3 26 | 5 27 |
| M22 | 23 29 | 24 27 | 1 48 | 21 53 | 1 16 | 22 23 | 1 33 | 8 41 | 0 46 | 1 23 | 1 20 | 17 15 | 1 58 | 23 45 | 0 23 | 16 46 | 1 46 | 17 25 | 16 52 | 19 0 | 18 39 | 13 23 | 3 26 | 5 28 |
| T 23 | 23 26 | 21 10 | 0 38 | 21 28 | 1 9 | 22 9 | 1 34 | 8 27 | 0 45 | 1 20 | 1 20 | 17 14 | 1 58 | 23 45 | 0 23 | 16 46 | 1 45 | 17 25 | 16 52 | 19 0 | 18 39 | 13 26 | 3 26 | 5 28 |
| W24 | 23 24 | 16 42 | 0s36 | 21 2 | 1 1 | 21 55 | 1 34 | 8 13 | 0 44 | 1 18 | 1 20 | 17 14 | 1 58 | 23 46 | 0 23 | 16 45 | 1 45 | 17 24 | 16 51 | 19 0 | 18 40 | 13 28 | 3 26 | 5 28 |
| T 25 | 23 20 | 11 21 | 1 48 | 20 35 | 0 53 | 21 39 | 1 35 | 7 59 | 0 43 | 1 15 | 1 20 | 17 13 | 1 58 | 23 46 | 0 23 | 16 45 | 1 45 | 17 23 | 16 51 | 19 0 | 18 41 | 13 31 | 3 26 | 5 28 |
| F 26 | 23 17 | 5 22 | 2 55 | 20 8 | 0 45 | 21 23 | 1 35 | 7 44 | 0 42 | 1 13 | 1 19 | 17 13 | 1 57 | 23 46 | 0 23 | 16 45 | 1 45 | 17 22 | 16 50 | 18 59 | 18 42 | 13 34 | 3 26 | 5 28 |
| S 27 | 23 13 | 0s55 | 3 53 | 19 40 | 0 36 | 21 7 | 1 36 | 7 30 | 0 41 | 1 10 | 1 19 | 17 13 | 1 57 | 23 46 | 0 23 | 16 45 | 1 45 | 17 21 | 16 50 | 18 59 | 18 43 | 13 37 | 3 27 | 5 29 |
| S 28 | 23 8 | 7 14 | 4 37 | 19 12 | 0 27 | 20 50 | 1 36 | 7 15 | 0 40 | 1 7 | 1 19 | 17 12 | 1 57 | 23 46 | 0 23 | 16 45 | 1 45 | 17 21 | 16 49 | 18 59 | 18 43 | 13 39 | 3 27 | 5 29 |
| M29 | 23 4 | 13 13 | 5 5 | 18 43 | 0 18 | 20 32 | 1 36 | 7 1 | 0 39 | 1 4 | 1 19 | 17 12 | 1 57 | 23 46 | 0 23 | 16 44 | 1 45 | 17 20 | 16 49 | 18 59 | 18 44 | 13 42 | 3 27 | 5 29 |
| T 30 | 22n58 | 18s32 | 5s14 | 18n15 | 0n 8 | 20n14 | 1n36 | 6n46 | 0n38 | 1n 1 | 1n18 | 17s12 | 1n57 | 23s46 | 0s23 | 16s44 | 1n45 | 17n19 | 16n48 | 18s59 | 18s45 | 13n45 | 3s27 | 5n29 |

Julian Day Number = 2080980.5, Delta T = 25m36s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°35'59, Lahiri = 9°42'59 Julian Calendar 1 June 985 == Greg. Calendar 6 June 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## JULY 985 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 56 39 | 13♋32'45 | 20♏23 | 10♌ 9 | 8♌ 0 | 14♍59 | 0♎33 | 24°R47 | 6°R55 | 22°R14 | 25♍ 8 | 5°R31 | 6♒27 | 23♈25 | 8°R10 | W 1 |
| T 2 | 19 0 35 | 14°30'00 | 4♐41 | 11°17 | 9°13 | 15°35 | 0°39 | 24♏45 | 6♑52 | 22♏13 | 25° 9 | 5♒28 | 6°24 | 23°31 | 8♓ 9 | T 2 |
| F 3 | 19 4 32 | 15°27'15 | 18°53 | 12°23 | 10°26 | 16°10 | 0°46 | 24°43 | 6°50 | 22°12 | 25°10 | 5°25 | 6°21 | 23°38 | 8° 7 | F 3 |
| S 4 | 19 8 28 | 16°24'31 | 2♑54 | 13°26 | 11°39 | 16°46 | 0°54 | 24°41 | 6°47 | 22°11 | 25°11 | 5°23 | 6°18 | 23°45 | 8° 6 | S 4 |
| S 5 | 19 12 25 | 17°21'47 | 16°41 | 14°26 | 12°52 | 17°22 | 1° 1 | 24°39 | 6°45 | 22°11 | 25°12 | 5°21 | 6°15 | 23°52 | 8° 4 | S 5 |
| M 6 | 19 16 22 | 18°19'04 | 0♒ 9 | 15°23 | 14° 5 | 17°59 | 1° 8 | 24°37 | 6°43 | 22°10 | 25°13 | 5°D20 | 6°11 | 23°58 | 8° 3 | M 6 |
| T 7 | 19 20 18 | 19°16'22 | 13°18 | 16°17 | 15°17 | 18°35 | 1°16 | 24°36 | 6°40 | 22° 9 | 25°15 | 5°21 | 6° 8 | 24° 5 | 8° 1 | T 7 |
| W 8 | 19 24 15 | 20°13'41 | 26° 8 | 17° 8 | 16°30 | 19°11 | 1°23 | 24°34 | 6°38 | 22° 9 | 25°16 | 5°21 | 6° 5 | 24°12 | 8° 0 | W 8 |
| T 9 | 19 28 11 | 21°11'00 | 8♓40 | 17°56 | 17°43 | 19°48 | 1°31 | 24°33 | 6°36 | 22° 8 | 25°17 | 5°22 | 6° 2 | 24°19 | 7°58 | T 9 |
| F 10 | 19 32 8 | 22° 8'21 | 20°57 | 18°41 | 18°56 | 20°24 | 1°39 | 24°31 | 6°33 | 22° 7 | 25°18 | 5°24 | 5°59 | 24°25 | 7°56 | F 10 |
| S 11 | 19 36 4 | 23° 5'43 | 3♈ 1 | 19°21 | 20° 9 | 21° 1 | 1°47 | 24°30 | 6°31 | 22° 7 | 25°20 | 5°25 | 5°56 | 24°32 | 7°55 | S 11 |
| S 12 | 19 40 1 | 24° 3'06 | 14°58 | 19°58 | 21°21 | 21°37 | 1°55 | 24°29 | 6°29 | 22° 6 | 25°21 | 5°25 | 5°52 | 24°39 | 7°53 | S 12 |
| M13 | 19 43 57 | 25° 0'30 | 26°51 | 20°31 | 22°34 | 22°14 | 2° 3 | 24°28 | 6°27 | 22° 6 | 25°22 | 5°R25 | 5°49 | 24°45 | 7°51 | M13 |
| T 14 | 19 47 54 | 25°57'56 | 8♉46 | 21° 0 | 23°47 | 22°51 | 2°11 | 24°27 | 6°24 | 22° 5 | 25°24 | 5°25 | 5°46 | 24°52 | 7°49 | T 14 |
| W15 | 19 51 51 | 26°55'22 | 20°46 | 21°25 | 24°59 | 23°28 | 2°20 | 24°26 | 6°22 | 22° 5 | 25°25 | 5°24 | 5°43 | 24°59 | 7°47 | W15 |
| T 16 | 19 55 47 | 27°52'51 | 2♊56 | 21°45 | 26°12 | 24° 5 | 2°28 | 24°25 | 6°20 | 22° 4 | 25°27 | 5°24 | 5°40 | 25° 6 | 7°45 | T 16 |
| F 17 | 19 59 44 | 28°50'20 | 15°20 | 22° 0 | 27°25 | 24°42 | 2°37 | 24°24 | 6°18 | 22° 4 | 25°28 | 5°23 | 5°37 | 25°12 | 7°43 | F 17 |
| S 18 | 20 3 40 | 29°47'51 | 28° 0 | 22°11 | 28°37 | 25°20 | 2°46 | 24°24 | 6°16 | 22° 3 | 25°30 | 5°22 | 5°33 | 25°19 | 7°41 | S 18 |
| S 19 | 20 7 37 | 0♌45'23 | 10♋58 | 22°16 | 29°50 | 25°57 | 2°55 | 24°23 | 6°13 | 22° 3 | 25°31 | 5°21 | 5°30 | 25°26 | 7°39 | S 19 |
| M20 | 20 11 33 | 1°42'56 | 24°15 | 22°R16 | 1♍ 2 | 26°35 | 3° 4 | 24°23 | 6°11 | 22° 3 | 25°33 | 5°21 | 5°27 | 25°32 | 7°37 | M20 |
| T 21 | 20 15 30 | 2°40'31 | 7♌49 | 22°11 | 2°15 | 27°12 | 3°13 | 24°22 | 6° 9 | 22° 2 | 25°34 | 5°D21 | 5°24 | 25°39 | 7°35 | T 21 |
| W22 | 20 19 26 | 3°38'07 | 21°40 | 22° 0 | 3°27 | 27°50 | 3°22 | 24°22 | 6° 7 | 22° 2 | 25°36 | 5°21 | 5°21 | 25°46 | 7°33 | W22 |
| T 23 | 20 23 23 | 4°35'43 | 5♍42 | 21°44 | 4°40 | 28°28 | 3°31 | 24°22 | 6° 5 | 22° 2 | 25°37 | 5°21 | 5°17 | 25°53 | 7°31 | T 23 |
| F 24 | 20 27 20 | 5°33'21 | 19°55 | 21°22 | 5°52 | 29° 5 | 3°41 | 24°D22 | 6° 3 | 22° 2 | 25°39 | 5°R21 | 5°14 | 25°59 | 7°28 | F 24 |
| S 25 | 20 31 16 | 6°31'00 | 4♎12 | 20°55 | 7° 5 | 29°43 | 3°50 | 24°22 | 6° 1 | 22° 2 | 25°41 | 5°21 | 5°11 | 26° 6 | 7°26 | S 25 |
| S 26 | 20 35 13 | 7°28'40 | 18°31 | 20°23 | 8°17 | 0♎21 | 4° 0 | 24°22 | 5°59 | 22° 1 | 25°42 | 5°21 | 5° 8 | 26°13 | 7°24 | S 26 |
| M27 | 20 39 9 | 8°26'21 | 2♏48 | 19°46 | 9°30 | 0°59 | 4° 9 | 24°22 | 5°57 | 22° 1 | 25°44 | 5°D21 | 5° 5 | 26°19 | 7°21 | M27 |
| T 28 | 20 43 6 | 9°24'03 | 17° 0 | 19° 4 | 10°42 | 1°38 | 4°19 | 24°23 | 5°55 | 22° 1 | 25°46 | 5°21 | 5° 2 | 26°26 | 7°19 | T 28 |
| W29 | 20 47 2 | 10°21'47 | 1♐ 6 | 18°19 | 11°54 | 2°16 | 4°29 | 24°23 | 5°54 | 22°D 1 | 25°48 | 5°21 | 4°58 | 26°33 | 7°17 | W29 |
| T 30 | 20 50 59 | 11°19'31 | 15° 2 | 17°30 | 13° 7 | 2°54 | 4°39 | 24°23 | 5°52 | 22° 1 | 25°49 | 5°22 | 4°55 | 26°40 | 7°14 | T 30 |
| F 31 | 20 54 55 | 12♌17'17 | 28♐47 | 16♌39 | 14♍19 | 3♎33 | 4♎49 | 24♏24 | 5♑50 | 22♏ 1 | 25♍51 | 5♒22 | 4♒52 | 26♈46 | 7♓12 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n53 | 22s49 | 5s 4 | 17n46 | 0s 2 | 19n55 | 1n36 | 6n31 | 0n37 | 0n59 | 1n18 | 17s11 | 1n56 | 23s47 | 0s23 | 16s44 | 1n45 | 17n18 | 16n48 | 19s 0 | 18s46 | 13n47 | 3s27 | 5n30 |
| T 2 | 22 47 | 25 41 | 4 34 | 17 17 | 0 13 | 19 36 | 1 36 | 6 17 | 0 36 | 0 56 | 1 18 | 17 11 | 1 56 | 23 47 | 0 23 | 16 44 | 1 45 | 17 17 | 16 47 | 19 1 | 18 47 | 13 50 | 3 28 | 5 30 |
| F 3 | 22 40 | 26 54 | 3 48 | 16 49 | 0 23 | 19 16 | 1 36 | 6 2 | 0 36 | 0 53 | 1 18 | 17 11 | 1 56 | 23 47 | 0 23 | 16 44 | 1 45 | 17 16 | 16 47 | 19 1 | 18 47 | 13 53 | 3 28 | 5 30 |
| S 4 | 22 33 | 26 22 | 2 49 | 16 20 | 0 34 | 18 55 | 1 36 | 5 47 | 0 35 | 0 50 | 1 17 | 17 10 | 1 56 | 23 47 | 0 23 | 16 44 | 1 45 | 17 15 | 16 46 | 19 2 | 18 48 | 13 56 | 3 28 | 5 30 |
| S 5 | 22 26 | 24 12 | 1 41 | 15 52 | 0 46 | 18 35 | 1 36 | 5 32 | 0 34 | 0 47 | 1 17 | 17 10 | 1 56 | 23 47 | 0 23 | 16 44 | 1 45 | 17 14 | 16 46 | 19 2 | 18 49 | 13 58 | 3 29 | 5 30 |
| M 6 | 22 19 | 20 42 | 0 29 | 15 24 | 0 57 | 18 13 | 1 36 | 5 17 | 0 33 | 0 43 | 1 17 | 17 10 | 1 55 | 23 47 | 0 23 | 16 43 | 1 45 | 17 14 | 16 45 | 19 2 | 18 50 | 14 1 | 3 29 | 5 31 |
| T 7 | 22 11 | 16 13 | 0n44 | 14 57 | 1 9 | 17 51 | 1 35 | 5 2 | 0 32 | 0 40 | 1 17 | 17 10 | 1 55 | 23 47 | 0 23 | 16 43 | 1 45 | 17 13 | 16 45 | 19 2 | 18 51 | 14 4 | 3 30 | 5 31 |
| W 8 | 22 2 | 11 7 | 1 52 | 14 30 | 1 21 | 17 29 | 1 35 | 4 47 | 0 31 | 0 37 | 1 17 | 17 10 | 1 55 | 23 47 | 0 23 | 16 43 | 1 45 | 17 12 | 16 45 | 19 2 | 18 51 | 14 6 | 3 30 | 5 31 |
| T 9 | 21 54 | 5 41 | 2 54 | 14 3 | 1 33 | 17 6 | 1 34 | 4 31 | 0 30 | 0 34 | 1 16 | 17 10 | 1 55 | 23 48 | 0 23 | 16 43 | 1 45 | 17 11 | 16 44 | 19 2 | 18 52 | 14 9 | 3 30 | 5 31 |
| F 10 | 21 44 | 0 9 | 3 46 | 13 38 | 1 46 | 16 43 | 1 34 | 4 16 | 0 29 | 0 30 | 1 16 | 17 9 | 1 54 | 23 48 | 0 23 | 16 43 | 1 45 | 17 10 | 16 44 | 19 2 | 18 53 | 14 12 | 3 31 | 5 31 |
| S 11 | 21 35 | 5n17 | 4 27 | 13 14 | 1 58 | 16 19 | 1 33 | 4 1 | 0 28 | 0 27 | 1 16 | 17 9 | 1 54 | 23 48 | 0 23 | 16 43 | 1 45 | 17 9 | 16 43 | 19 1 | 18 54 | 14 14 | 3 31 | 5 32 |
| S 12 | 21 25 | 10 29 | 4 56 | 12 50 | 2 11 | 15 55 | 1 32 | 3 46 | 0 27 | 0 24 | 1 16 | 17 9 | 1 54 | 23 48 | 0 23 | 16 43 | 1 45 | 17 8 | 16 43 | 19 1 | 18 54 | 14 17 | 3 32 | 5 32 |
| M13 | 21 15 | 15 16 | 5 13 | 12 28 | 2 23 | 15 30 | 1 31 | 3 30 | 0 27 | 0 20 | 1 16 | 17 9 | 1 54 | 23 48 | 0 23 | 16 43 | 1 44 | 17 7 | 16 42 | 19 1 | 18 55 | 14 20 | 3 32 | 5 32 |
| T 14 | 21 4 | 19 29 | 5 16 | 12 7 | 2 36 | 15 5 | 1 30 | 3 15 | 0 26 | 0 17 | 1 15 | 17 9 | 1 53 | 23 48 | 0 23 | 16 43 | 1 44 | 17 6 | 16 42 | 19 1 | 18 56 | 14 22 | 3 33 | 5 32 |
| W15 | 20 53 | 22 56 | 5 5 | 11 47 | 2 48 | 14 40 | 1 29 | 2 59 | 0 25 | 0 13 | 1 15 | 17 9 | 1 53 | 23 48 | 0 23 | 16 43 | 1 44 | 17 5 | 16 41 | 19 1 | 18 57 | 14 25 | 3 33 | 5 32 |
| T 16 | 20 42 | 25 27 | 4 41 | 11 29 | 3 1 | 14 14 | 1 28 | 2 44 | 0 24 | 0 9 | 1 15 | 17 9 | 1 53 | 23 48 | 0 23 | 16 42 | 1 44 | 17 4 | 16 41 | 19 2 | 18 58 | 14 28 | 3 34 | 5 32 |
| F 17 | 20 30 | 26 47 | 4 3 | 11 13 | 3 13 | 13 48 | 1 27 | 2 28 | 0 23 | 0 6 | 1 15 | 17 9 | 1 53 | 23 48 | 0 23 | 16 42 | 1 44 | 17 3 | 16 41 | 19 2 | 18 58 | 14 30 | 3 34 | 5 33 |
| S 18 | 20 18 | 26 46 | 3 12 | 10 58 | 3 24 | 13 22 | 1 26 | 2 12 | 0 22 | 0 2 | 1 15 | 17 9 | 1 53 | 23 49 | 0 23 | 16 42 | 1 44 | 17 2 | 16 40 | 19 2 | 18 59 | 14 33 | 3 35 | 5 33 |
| S 19 | 20 6 | 25 17 | 2 11 | 10 46 | 3 36 | 12 55 | 1 25 | 1 57 | 0 21 | 0s 2 | 1 14 | 17 9 | 1 52 | 23 49 | 0 23 | 16 42 | 1 44 | 17 1 | 16 40 | 19 2 | 19 0 | 14 36 | 3 36 | 5 33 |
| M20 | 19 53 | 22 23 | 1 1 | 10 36 | 3 47 | 12 28 | 1 23 | 1 41 | 0 20 | 0 5 | 1 14 | 17 10 | 1 52 | 23 49 | 0 23 | 16 42 | 1 44 | 17 0 | 16 39 | 19 2 | 19 1 | 14 38 | 3 36 | 5 33 |
| T 21 | 19 40 | 18 12 | 0s14 | 10 27 | 3 57 | 12 0 | 1 22 | 1 25 | 0 20 | 0 9 | 1 14 | 17 10 | 1 52 | 23 49 | 0 23 | 16 42 | 1 44 | 16 59 | 16 39 | 19 2 | 19 2 | 14 41 | 3 37 | 5 33 |
| W22 | 19 27 | 12 57 | 1 29 | 10 22 | 4 7 | 11 32 | 1 20 | 1 9 | 0 19 | 0 13 | 1 14 | 17 10 | 1 52 | 23 49 | 0 23 | 16 42 | 1 44 | 16 58 | 16 38 | 19 2 | 19 2 | 14 44 | 3 38 | 5 33 |
| T 23 | 19 13 | 6 59 | 2 40 | 10 19 | 4 15 | 11 4 | 1 19 | 0 53 | 0 18 | 0 17 | 1 14 | 17 10 | 1 51 | 23 49 | 0 23 | 16 42 | 1 44 | 16 57 | 16 38 | 19 2 | 19 3 | 14 46 | 3 38 | 5 34 |
| F 24 | 18 59 | 0 36 | 3 43 | 10 18 | 4 23 | 10 36 | 1 17 | 0 38 | 0 17 | 0 21 | 1 13 | 17 10 | 1 51 | 23 49 | 0 23 | 16 42 | 1 44 | 16 56 | 16 38 | 19 2 | 19 4 | 14 49 | 3 39 | 5 34 |
| S 25 | 18 45 | 5s49 | 4 31 | 10 20 | 4 30 | 10 7 | 1 15 | 0 22 | 0 16 | 0 25 | 1 13 | 17 10 | 1 51 | 23 49 | 0 23 | 16 42 | 1 44 | 16 55 | 16 37 | 19 2 | 19 5 | 14 51 | 3 40 | 5 34 |
| S 26 | 18 30 | 11 58 | 5 3 | 10 25 | 4 35 | 9 39 | 1 14 | 0 6 | 0 15 | 0 29 | 1 13 | 17 11 | 1 51 | 23 49 | 0 23 | 16 42 | 1 44 | 16 54 | 16 37 | 19 2 | 19 5 | 14 54 | 3 40 | 5 34 |
| M27 | 18 15 | 17 27 | 5 16 | 10 33 | 4 39 | 9 9 | 1 12 | 0s10 | 0 15 | 0 33 | 1 13 | 17 11 | 1 50 | 23 49 | 0 23 | 16 42 | 1 44 | 16 53 | 16 37 | 19 2 | 19 6 | 14 57 | 3 41 | 5 34 |
| T 28 | 18 0 | 21 57 | 5 10 | 10 44 | 4 41 | 8 40 | 1 10 | 0 26 | 0 14 | 0 37 | 1 13 | 17 11 | 1 50 | 23 49 | 0 23 | 16 42 | 1 44 | 16 52 | 16 36 | 19 2 | 19 7 | 14 59 | 3 42 | 5 34 |
| W29 | 17 44 | 25 9 | 4 45 | 10 57 | 4 42 | 8 11 | 1 8 | 0 42 | 0 13 | 0 41 | 1 12 | 17 12 | 1 50 | 23 50 | 0 23 | 16 42 | 1 43 | 16 51 | 16 36 | 19 2 | 19 8 | 15 2 | 3 43 | 5 34 |
| T 30 | 17 29 | 26 46 | 4 4 | 11 13 | 4 41 | 7 41 | 1 6 | 0 59 | 0 12 | 0 45 | 1 12 | 17 12 | 1 50 | 23 50 | 0 23 | 16 43 | 1 43 | 16 50 | 16 35 | 19 2 | 19 8 | 15 5 | 3 44 | 5 34 |
| F 31 | 17n12 | 26s43 | 3s 9 | 11n31 | 4s38 | 7n11 | 1n 3 | 1s15 | 0n11 | 0s49 | 1n12 | 17s12 | 1n49 | 23s50 | 0s23 | 16s43 | 1n43 | 16n49 | 16n35 | 19s 2 | 19s 9 | 15n 7 | 3s44 | 5n34 |

Julian Day Number = 2081010.5, Delta T = 25m36s
Ecliptic obliquity = 23°34'19, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'03, Lahiri = 9°43'04 Julian Calendar 1 July 985 == Greg. Calendar 6 July 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## AUGUST 985 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 58 52 | 13♌15'04 | 12♉21 | 15°R47 | 15♍31 | 4♎11 | 4♎59 | 24♏25 | 5°R48 | 22♏ 1 | 25♍53 | 5♒23 | 4♒49 | 26♈53 | 7°R 9 | S 1 |
| S 2 | 21 2 49 | 14°12'52 | 25°42 | 14♌53 | 16°43 | 4°50 | 5°10 | 24°26 | 5♉47 | 22° 1 | 25°55 | 5°23 | 4°46 | 27° 0 | 7♓ 7 | S 2 |
| M 3 | 21 6 45 | 15°10'42 | 8♒48 | 14° 1 | 17°55 | 5°29 | 5°20 | 24°27 | 5°45 | 22° 2 | 25°57 | 5°R23 | 4°43 | 27° 7 | 7° 4 | M 3 |
| T 4 | 21 10 42 | 16° 8'33 | 21°41 | 13°10 | 19° 7 | 6° 7 | 5°30 | 24°28 | 5°43 | 22° 2 | 25°59 | 5°23 | 4°39 | 27°13 | 7° 2 | T 4 |
| W 5 | 21 14 38 | 17° 6'26 | 4♓19 | 12°21 | 20°19 | 6°46 | 5°41 | 24°29 | 5°42 | 22° 2 | 26° 1 | 5°22 | 4°36 | 27°20 | 6°59 | W 5 |
| T 6 | 21 18 35 | 18° 4'20 | 16°44 | 11°37 | 21°31 | 7°25 | 5°51 | 24°30 | 5°40 | 22° 2 | 26° 3 | 5°21 | 4°33 | 27°27 | 6°57 | T 6 |
| F 7 | 21 22 31 | 19° 2'16 | 28°56 | 10°57 | 22°43 | 8° 4 | 6° 2 | 24°31 | 5°38 | 22° 2 | 26° 5 | 5°19 | 4°30 | 27°33 | 6°54 | F 7 |
| S 8 | 21 26 28 | 20° 0'14 | 10♈59 | 10°22 | 23°55 | 8°43 | 6°13 | 24°32 | 5°37 | 22° 3 | 26° 7 | 5°17 | 4°27 | 27°40 | 6°51 | S 8 |
| S 9 | 21 30 24 | 20°58'14 | 22°55 | 9°55 | 25° 7 | 9°23 | 6°24 | 24°34 | 5°35 | 22° 3 | 26° 8 | 5°15 | 4°23 | 27°47 | 6°49 | S 9 |
| M10 | 21 34 21 | 21°56'16 | 4♉48 | 9°34 | 26°19 | 10° 2 | 6°34 | 24°35 | 5°34 | 22° 3 | 26°10 | 5°13 | 4°20 | 27°54 | 6°46 | M10 |
| T 11 | 21 38 18 | 22°54'19 | 16°42 | 9°21 | 27°31 | 10°41 | 6°45 | 24°37 | 5°33 | 22° 4 | 26°13 | 5°12 | 4°17 | 28° 0 | 6°43 | T 11 |
| W12 | 21 42 14 | 23°52'25 | 28°41 | 9°D17 | 28°43 | 11°21 | 6°56 | 24°39 | 5°31 | 22° 4 | 26°15 | 5°D12 | 4°14 | 28° 7 | 6°41 | W12 |
| T 13 | 21 46 11 | 24°50'33 | 10♊50 | 9°20 | 29°55 | 12° 0 | 7° 8 | 24°41 | 5°30 | 22° 5 | 26°17 | 5°13 | 4°11 | 28°14 | 6°38 | T 13 |
| F 14 | 21 50 7 | 25°48'43 | 23°14 | 9°33 | 1♎ 6 | 12°40 | 7°19 | 24°43 | 5°29 | 22° 5 | 26°19 | 5°14 | 4° 8 | 28°21 | 6°35 | F 14 |
| S 15 | 21 54 4 | 26°46'55 | 5♋56 | 9°54 | 2°18 | 13°20 | 7°30 | 24°45 | 5°27 | 22° 6 | 26°21 | 5°16 | 4° 4 | 28°27 | 6°33 | S 15 |
| S 16 | 21 58 0 | 27°45'08 | 19° 1 | 10°23 | 3°30 | 13°59 | 7°41 | 24°47 | 5°26 | 22° 6 | 26°23 | 5°17 | 4° 1 | 28°34 | 6°30 | S 16 |
| M17 | 22 1 57 | 28°43'24 | 2♌28 | 11° 1 | 4°41 | 14°39 | 7°53 | 24°49 | 5°25 | 22° 7 | 26°25 | 5°R18 | 3°58 | 28°41 | 6°27 | M17 |
| T 18 | 22 5 53 | 29°41'42 | 16°20 | 11°47 | 5°53 | 15°19 | 8° 4 | 24°51 | 5°24 | 22° 7 | 26°27 | 5°17 | 3°55 | 28°47 | 6°24 | T 18 |
| W19 | 22 9 50 | 0♍40'02 | 0♍32 | 12°41 | 7° 4 | 15°59 | 8°16 | 24°54 | 5°23 | 22° 8 | 26°29 | 5°16 | 3°52 | 28°54 | 6°22 | W19 |
| T 20 | 22 13 47 | 1°38'23 | 15° 2 | 13°42 | 8°16 | 16°39 | 8°27 | 24°56 | 5°22 | 22° 9 | 26°31 | 5°13 | 3°49 | 29° 1 | 6°19 | T 20 |
| F 21 | 22 17 43 | 2°36'46 | 29°42 | 14°50 | 9°27 | 17°19 | 8°39 | 24°59 | 5°21 | 22°10 | 26°34 | 5° 9 | 3°45 | 29° 8 | 6°16 | F 21 |
| S 22 | 22 21 40 | 3°35'11 | 14♎26 | 16° 5 | 10°39 | 18° 0 | 8°51 | 25° 2 | 5°20 | 22°10 | 26°36 | 5° 5 | 3°42 | 29°14 | 6°13 | S 22 |
| S 23 | 22 25 36 | 4°33'38 | 29° 7 | 17°25 | 11°50 | 18°40 | 9° 3 | 25° 4 | 5°19 | 22°11 | 26°38 | 5° 2 | 3°39 | 29°21 | 6°10 | S 23 |
| M24 | 22 29 33 | 5°32'06 | 13♏37 | 18°51 | 13° 1 | 19°21 | 9°14 | 25° 7 | 5°18 | 22°12 | 26°40 | 4°59 | 3°36 | 29°28 | 6° 8 | M24 |
| T 25 | 22 33 29 | 6°30'36 | 27°54 | 20°21 | 14°13 | 20° 1 | 9°26 | 25°10 | 5°18 | 22°13 | 26°42 | 4°57 | 3°33 | 29°34 | 6° 5 | T 25 |
| W26 | 22 37 26 | 7°29'08 | 11♐55 | 21°56 | 15°24 | 20°42 | 9°38 | 25°13 | 5°17 | 22°14 | 26°45 | 4°D57 | 3°29 | 29°41 | 6° 2 | W26 |
| T 27 | 22 41 22 | 8°27'41 | 25°38 | 23°34 | 16°35 | 21°22 | 9°50 | 25°16 | 5°16 | 22°14 | 26°47 | 4°58 | 3°26 | 29°48 | 5°59 | T 27 |
| F 28 | 22 45 19 | 9°26'17 | 9♑ 5 | 25°15 | 17°46 | 22° 3 | 10° 2 | 25°20 | 5°16 | 22°15 | 26°49 | 5° 0 | 3°23 | 29°55 | 5°57 | F 28 |
| S 29 | 22 49 16 | 10°24'53 | 22°16 | 26°58 | 18°57 | 22°44 | 10°14 | 25°23 | 5°15 | 22°16 | 26°51 | 5° 1 | 3°20 | 0♉ 1 | 5°54 | S 29 |
| S 30 | 22 53 12 | 11°23'32 | 5♒14 | 28°44 | 20° 8 | 23°25 | 10°27 | 25°26 | 5°15 | 22°17 | 26°54 | 5°R 2 | 3°17 | 0° 8 | 5°51 | S 30 |
| M31 | 22 57 9 | 12♍22'12 | 17♒59 | 0♍31 | 21♎19 | 24♎ 6 | 10♎39 | 25♏30 | 5♑14 | 22♏18 | 26♍56 | 5♒ 1 | 3♒14 | 0♉15 | 5♓48 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n56 | 25s 3 | 2s 4 | 11n51 | 4s33 | 6n41 | 1n 1 | 1s31 | 0n11 | 0s54 | 1n12 | 17s13 | 1n49 | 23s50 | 0s23 | 16s43 | 1n43 | 16n48 | 16n35 | 19s 2 | 19s10 | 15n10 | 3s45 | 5n35 |
| S 2 | 16 39 | 22 0 | 0 53 | 12 13 | 4 26 | 6 10 | 0 59 | 1 47 | 0 10 | 0 58 | 1 12 | 17 13 | 1 49 | 23 50 | 0 23 | 16 43 | 1 43 | 16 47 | 16 34 | 19 2 | 19 11 | 15 12 | 3 46 | 5 35 |
| M 3 | 16 22 | 17 51 | 0n19 | 12 36 | 4 18 | 5 40 | 0 57 | 2 3 | 0 9 | 1 2 | 1 12 | 17 14 | 1 49 | 23 50 | 0 23 | 16 43 | 1 43 | 16 46 | 16 34 | 19 2 | 19 12 | 15 15 | 3 47 | 5 35 |
| T 4 | 16 5 | 12 57 | 1 29 | 13 1 | 4 7 | 5 9 | 0 54 | 2 19 | 0 8 | 1 6 | 1 11 | 17 14 | 1 49 | 23 50 | 0 23 | 16 43 | 1 43 | 16 45 | 16 34 | 19 2 | 19 12 | 15 17 | 3 48 | 5 35 |
| W 5 | 15 48 | 7 36 | 2 33 | 13 26 | 3 55 | 4 39 | 0 52 | 2 35 | 0 7 | 1 11 | 1 11 | 17 15 | 1 48 | 23 50 | 0 23 | 16 43 | 1 43 | 16 44 | 16 34 | 19 2 | 19 13 | 15 20 | 3 49 | 5 35 |
| T 6 | 15 30 | 2 4 | 3 29 | 13 51 | 3 41 | 4 8 | 0 49 | 2 52 | 0 7 | 1 15 | 1 11 | 17 15 | 1 48 | 23 50 | 0 23 | 16 43 | 1 43 | 16 43 | 16 33 | 19 2 | 19 14 | 15 23 | 3 50 | 5 35 |
| F 7 | 15 12 | 3n28 | 4 14 | 14 17 | 3 26 | 3 37 | 0 47 | 3 8 | 0 6 | 1 19 | 1 11 | 17 16 | 1 48 | 23 50 | 0 23 | 16 43 | 1 43 | 16 42 | 16 33 | 19 3 | 19 15 | 15 25 | 3 50 | 5 35 |
| S 8 | 14 54 | 8 46 | 4 48 | 14 41 | 3 10 | 3 6 | 0 44 | 3 24 | 0 5 | 1 24 | 1 11 | 17 16 | 1 48 | 23 50 | 0 23 | 16 43 | 1 43 | 16 41 | 16 33 | 19 3 | 19 15 | 15 28 | 3 51 | 5 35 |
| S 9 | 14 35 | 13 43 | 5 8 | 15 5 | 2 53 | 2 35 | 0 41 | 3 40 | 0 4 | 1 28 | 1 11 | 17 17 | 1 47 | 23 50 | 0 23 | 16 44 | 1 43 | 16 40 | 16 32 | 19 4 | 19 16 | 15 30 | 3 52 | 5 35 |
| M10 | 14 16 | 18 8 | 5 15 | 15 28 | 2 35 | 2 3 | 0 38 | 3 57 | 0 3 | 1 33 | 1 11 | 17 17 | 1 47 | 23 50 | 0 23 | 16 44 | 1 43 | 16 39 | 16 32 | 19 4 | 19 17 | 15 33 | 3 53 | 5 35 |
| T 11 | 13 57 | 21 51 | 5 9 | 15 49 | 2 17 | 1 32 | 0 35 | 4 13 | 0 3 | 1 37 | 1 10 | 17 18 | 1 47 | 23 50 | 0 23 | 16 44 | 1 43 | 16 38 | 16 32 | 19 4 | 19 18 | 15 35 | 3 54 | 5 35 |
| W12 | 13 38 | 24 41 | 4 49 | 16 8 | 1 58 | 1 1 | 0 33 | 4 29 | 0 2 | 1 42 | 1 10 | 17 19 | 1 47 | 23 50 | 0 23 | 16 44 | 1 43 | 16 36 | 16 32 | 19 4 | 19 18 | 15 38 | 3 55 | 5 35 |
| T 13 | 13 19 | 26 25 | 4 16 | 16 25 | 1 40 | 0 29 | 0 30 | 4 45 | 0 1 | 1 46 | 1 10 | 17 19 | 1 46 | 23 50 | 0 23 | 16 44 | 1 43 | 16 35 | 16 31 | 19 4 | 19 19 | 15 40 | 3 56 | 5 35 |
| F 14 | 12 59 | 26 55 | 3 31 | 16 39 | 1 21 | 0s 2 | 0 27 | 5 1 | 0 0 | 1 51 | 1 10 | 17 20 | 1 46 | 23 51 | 0 23 | 16 44 | 1 42 | 16 34 | 16 31 | 19 4 | 19 20 | 15 43 | 3 57 | 5 35 |
| S 15 | 12 39 | 26 1 | 2 35 | 16 51 | 1 3 | 0 34 | 0 24 | 5 18 | 0s 0 | 1 55 | 1 10 | 17 21 | 1 46 | 23 51 | 0 23 | 16 45 | 1 42 | 16 33 | 16 31 | 19 3 | 19 21 | 15 46 | 3 58 | 5 35 |
| S 16 | 12 19 | 23 40 | 1 28 | 17 0 | 0 46 | 1 5 | 0 20 | 5 34 | 0 1 | 2 0 | 1 10 | 17 22 | 1 46 | 23 51 | 0 23 | 16 45 | 1 42 | 16 32 | 16 31 | 19 3 | 19 21 | 15 48 | 3 59 | 5 35 |
| M17 | 11 59 | 19 58 | 0 16 | 17 6 | 0 29 | 1 37 | 0 17 | 5 50 | 0 2 | 2 5 | 1 10 | 17 22 | 1 45 | 23 51 | 0 23 | 16 45 | 1 42 | 16 31 | 16 30 | 19 3 | 19 22 | 15 51 | 4 0 | 5 35 |
| T 18 | 11 39 | 15 4 | 1s 0 | 17 9 | 0 12 | 2 8 | 0 14 | 6 6 | 0 3 | 2 9 | 1 9 | 17 23 | 1 45 | 23 51 | 0 23 | 16 45 | 1 42 | 16 30 | 16 30 | 19 3 | 19 23 | 15 53 | 4 1 | 5 35 |
| W19 | 11 18 | 9 15 | 2 14 | 17 9 | 0n 3 | 2 39 | 0 11 | 6 23 | 0 3 | 2 14 | 1 9 | 17 24 | 1 45 | 23 51 | 0 23 | 16 45 | 1 42 | 16 29 | 16 30 | 19 3 | 19 24 | 15 56 | 4 2 | 5 35 |
| T 20 | 10 57 | 2 51 | 3 21 | 17 5 | 0 18 | 3 11 | 0 8 | 6 39 | 0 4 | 2 19 | 1 9 | 17 25 | 1 45 | 23 51 | 0 23 | 16 46 | 1 42 | 16 28 | 16 30 | 19 4 | 19 24 | 15 58 | 4 3 | 5 35 |
| F 21 | 10 36 | 3s47 | 4 15 | 16 58 | 0 31 | 3 42 | 0 4 | 6 55 | 0 5 | 2 24 | 1 9 | 17 26 | 1 45 | 23 51 | 0 23 | 16 46 | 1 42 | 16 27 | 16 29 | 19 5 | 19 25 | 16 1 | 4 4 | 5 35 |
| S 22 | 10 15 | 10 12 | 4 53 | 16 48 | 0 43 | 4 13 | 0 1 | 7 11 | 0 6 | 2 28 | 1 9 | 17 26 | 1 44 | 23 51 | 0 23 | 16 46 | 1 42 | 16 26 | 16 29 | 19 6 | 19 26 | 16 3 | 4 5 | 5 35 |
| S 23 | 9 53 | 16 3 | 5 11 | 16 34 | 0 55 | 4 45 | 0s 3 | 7 27 | 0 6 | 2 33 | 1 9 | 17 27 | 1 44 | 23 51 | 0 23 | 16 46 | 1 42 | 16 25 | 16 29 | 19 7 | 19 27 | 16 6 | 4 6 | 5 35 |
| M24 | 9 32 | 20 55 | 5 9 | 16 17 | 1 5 | 5 16 | 0 6 | 7 43 | 0 7 | 2 38 | 1 9 | 17 28 | 1 44 | 23 51 | 0 23 | 16 47 | 1 42 | 16 24 | 16 29 | 19 8 | 19 27 | 16 8 | 4 7 | 5 35 |
| T 25 | 9 10 | 24 28 | 4 48 | 15 57 | 1 14 | 5 47 | 0 10 | 7 59 | 0 8 | 2 43 | 1 9 | 17 29 | 1 44 | 23 51 | 0 23 | 16 47 | 1 42 | 16 23 | 16 29 | 19 8 | 19 28 | 16 11 | 4 8 | 5 35 |
| W26 | 8 48 | 26 28 | 4 10 | 15 34 | 1 22 | 6 18 | 0 13 | 8 15 | 0 9 | 2 47 | 1 8 | 17 30 | 1 43 | 23 51 | 0 23 | 16 47 | 1 42 | 16 22 | 16 29 | 19 8 | 19 29 | 16 13 | 4 9 | 5 35 |
| T 27 | 8 27 | 26 48 | 3 18 | 15 9 | 1 29 | 6 48 | 0 17 | 8 31 | 0 9 | 2 52 | 1 8 | 17 31 | 1 43 | 23 51 | 0 23 | 16 48 | 1 42 | 16 21 | 16 28 | 19 8 | 19 30 | 16 16 | 4 10 | 5 35 |
| F 28 | 8 4 | 25 32 | 2 17 | 14 40 | 1 35 | 7 19 | 0 20 | 8 47 | 0 10 | 2 57 | 1 8 | 17 32 | 1 43 | 23 51 | 0 23 | 16 48 | 1 42 | 16 20 | 16 28 | 19 7 | 19 30 | 16 18 | 4 12 | 5 35 |
| S 29 | 7 42 | 22 51 | 1 9 | 14 9 | 1 40 | 7 50 | 0 24 | 9 3 | 0 11 | 3 2 | 1 8 | 17 33 | 1 43 | 23 51 | 0 23 | 16 48 | 1 42 | 16 19 | 16 28 | 19 7 | 19 31 | 16 20 | 4 13 | 5 35 |
| S 30 | 7 20 | 19 3 | 0n 1 | 13 36 | 1 44 | 8 20 | 0 27 | 9 19 | 0 11 | 3 7 | 1 8 | 17 34 | 1 43 | 23 51 | 0 23 | 16 48 | 1 42 | 16 18 | 16 28 | 19 7 | 19 32 | 16 23 | 4 14 | 5 35 |
| M31 | 6n57 | 14s25 | 1n10 | 13n 1 | 1n47 | 8s50 | 0s31 | 9s35 | 0s12 | 3s12 | 1n 8 | 17s35 | 1n42 | 23s51 | 0s23 | 16s49 | 1n41 | 16n17 | 16n28 | 19s 7 | 19s33 | 16n25 | 4s15 | 5n35 |

Julian Day Number = 2081041.5, Delta T = 25m36s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'07, Lahiri = 9°43'08 Julian Calendar 1 Aug. 985 == Greg. Calendar 6 Aug. 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## SEPTEMBER 985 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 1 5 | 13♍20'54 | 0♓33 | 2♍20 | 22♎30 | 24♎47 | 10♎51 | 25♏33 | 5°R14 | 22♏19 | 26♍58 | 4°R58 | 3♒10 | 0♉22 | 5°R45 | T 1 |
| W 2 | 23 5 2 | 14°19'39 | 12°56 | 4° 9 | 23°41 | 25°28 | 11° 3 | 25°37 | 5♑13 | 22°20 | 27° 1 | 4♒54 | 3° 7 | 0°28 | 5♓43 | W 2 |
| T 3 | 23 8 58 | 15°18'25 | 25°11 | 5°59 | 24°51 | 26° 9 | 11°16 | 25°41 | 5°13 | 22°22 | 27° 3 | 4°47 | 3° 4 | 0°35 | 5°40 | T 3 |
| F 4 | 23 12 55 | 16°17'13 | 7♈16 | 7°50 | 26° 2 | 26°50 | 11°28 | 25°44 | 5°13 | 22°23 | 27° 5 | 4°40 | 3° 1 | 0°42 | 5°37 | F 4 |
| S 5 | 23 16 51 | 17°16'03 | 19°15 | 9°40 | 27°13 | 27°32 | 11°41 | 25°48 | 5°12 | 22°24 | 27° 7 | 4°32 | 2°58 | 0°48 | 5°35 | S 5 |
| S 6 | 23 20 48 | 18°14'56 | 1♉ 9 | 11°30 | 28°23 | 28°13 | 11°53 | 25°52 | 5°12 | 22°25 | 27°10 | 4°24 | 2°54 | 0°55 | 5°32 | S 6 |
| M 7 | 23 24 45 | 19°13'51 | 13° 1 | 13°20 | 29°34 | 28°55 | 12° 6 | 25°56 | 5°12 | 22°26 | 27°12 | 4°17 | 2°51 | 1° 2 | 5°29 | M 7 |
| T 8 | 23 28 41 | 20°12'48 | 24°53 | 15°10 | 0♏44 | 29°36 | 12°18 | 26° 0 | 5°12 | 22°28 | 27°14 | 4°12 | 2°48 | 1° 9 | 5°26 | T 8 |
| W 9 | 23 32 38 | 21°11'47 | 6♊50 | 16°59 | 1°55 | 0♏18 | 12°31 | 26° 4 | 5°D12 | 22°29 | 27°17 | 4° 9 | 2°45 | 1°15 | 5°24 | W 9 |
| T 10 | 23 36 34 | 22°10'49 | 18°56 | 18°48 | 3° 5 | 1° 0 | 12°43 | 26° 9 | 5°12 | 22°30 | 27°19 | 4°D 8 | 2°42 | 1°22 | 5°21 | T 10 |
| F 11 | 23 40 31 | 23° 9'54 | 1♋16 | 20°36 | 4°15 | 1°41 | 12°56 | 26°13 | 5°12 | 22°32 | 27°21 | 4° 8 | 2°39 | 1°29 | 5°19 | F 11 |
| S 12 | 23 44 27 | 24° 9'00 | 13°54 | 22°23 | 5°25 | 2°23 | 13° 9 | 26°17 | 5°12 | 22°33 | 27°24 | 4° 9 | 2°35 | 1°36 | 5°16 | S 12 |
| S 13 | 23 48 24 | 25° 8'09 | 26°56 | 24° 9 | 6°35 | 3° 5 | 13°21 | 26°22 | 5°12 | 22°34 | 27°26 | 4°10 | 2°32 | 1°42 | 5°13 | S 13 |
| M14 | 23 52 20 | 26° 7'21 | 10♌24 | 25°55 | 7°45 | 3°47 | 13°34 | 26°26 | 5°13 | 22°36 | 27°29 | 4°R10 | 2°29 | 1°49 | 5°11 | M14 |
| T 15 | 23 56 17 | 27° 6'34 | 24°21 | 27°40 | 8°55 | 4°29 | 13°47 | 26°31 | 5°13 | 22°37 | 27°31 | 4° 8 | 2°26 | 1°56 | 5° 8 | T 15 |
| W16 | 0 0 14 | 28° 5'50 | 8♍44 | 29°25 | 10° 5 | 5°12 | 14° 0 | 26°36 | 5°13 | 22°39 | 27°33 | 4° 4 | 2°23 | 2° 2 | 5° 6 | W16 |
| T 17 | 0 4 10 | 29° 5'08 | 23°31 | 1♎ 8 | 11°15 | 5°54 | 14°13 | 26°40 | 5°14 | 22°40 | 27°36 | 3°58 | 2°20 | 2° 9 | 5° 3 | T 17 |
| F 18 | 0 8 7 | 0♎ 4'28 | 8♎34 | 2°51 | 12°25 | 6°36 | 14°25 | 26°45 | 5°14 | 22°42 | 27°38 | 3°50 | 2°16 | 2°16 | 5° 1 | F 18 |
| S 19 | 0 12 3 | 1° 3'50 | 23°42 | 4°33 | 13°34 | 7°18 | 14°38 | 26°50 | 5°14 | 22°43 | 27°40 | 3°41 | 2°13 | 2°23 | 4°58 | S 19 |
| S 20 | 0 16 0 | 2° 3'14 | 8♏47 | 6°14 | 14°44 | 8° 1 | 14°51 | 26°55 | 5°15 | 22°45 | 27°43 | 3°32 | 2°10 | 2°29 | 4°56 | S 20 |
| M21 | 0 19 56 | 3° 2'40 | 23°38 | 7°54 | 15°53 | 8°44 | 15° 4 | 27° 0 | 5°16 | 22°46 | 27°45 | 3°25 | 2° 7 | 2°36 | 4°54 | M21 |
| T 22 | 0 23 53 | 4° 2'08 | 8♐ 8 | 9°34 | 17° 3 | 9°26 | 15°17 | 27° 5 | 5°16 | 22°48 | 27°47 | 3°20 | 2° 4 | 2°43 | 4°51 | T 22 |
| W23 | 0 27 49 | 5° 1'38 | 22°15 | 11°13 | 18°12 | 10° 9 | 15°30 | 27°10 | 5°17 | 22°50 | 27°50 | 3°17 | 2° 0 | 2°49 | 4°49 | W23 |
| T 24 | 0 31 46 | 6° 1'10 | 5♑58 | 12°51 | 19°21 | 10°52 | 15°43 | 27°16 | 5°18 | 22°51 | 27°52 | 3°D17 | 1°57 | 2°56 | 4°47 | T 24 |
| F 25 | 0 35 42 | 7° 0'43 | 19°17 | 14°28 | 20°30 | 11°34 | 15°56 | 27°21 | 5°18 | 22°53 | 27°54 | 3°17 | 1°54 | 3° 3 | 4°44 | F 25 |
| S 26 | 0 39 39 | 8° 0'18 | 2♒16 | 16° 5 | 21°39 | 12°17 | 16° 9 | 27°26 | 5°19 | 22°55 | 27°57 | 3°R17 | 1°51 | 3°10 | 4°42 | S 26 |
| S 27 | 0 43 36 | 8°59'55 | 14°59 | 17°41 | 22°48 | 13° 0 | 16°22 | 27°32 | 5°20 | 22°56 | 27°59 | 3°17 | 1°48 | 3°16 | 4°40 | S 27 |
| M28 | 0 47 32 | 9°59'34 | 27°28 | 19°17 | 23°57 | 13°43 | 16°35 | 27°37 | 5°21 | 22°58 | 28° 1 | 3°14 | 1°45 | 3°23 | 4°38 | M28 |
| T 29 | 0 51 29 | 10°59'14 | 9♓46 | 20°52 | 25° 6 | 14°26 | 16°49 | 27°43 | 5°22 | 23° 0 | 28° 4 | 3° 9 | 1°41 | 3°30 | 4°36 | T 29 |
| W30 | 0 55 25 | 11♎58'57 | 21♓56 | 22♎26 | 26♏14 | 15♏10 | 17♎ 2 | 27♏48 | 5♑23 | 23♏ 2 | 28♍ 6 | 3♒ 0 | 1♒38 | 3♉37 | 4♓34 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n35 | 9s15 | 2n14 | 12n24 | 1n49 | 9s20 | 0s35 | 9s51 | 0s13 | 3s17 | 1n 8 | 17s36 | 1n42 | 23s51 | 0s23 | 16s49 | 1n41 | 16n16 | 16n28 | 19s 8 | 19s33 | 16n28 | 4s16 | 5n35 |
| W 2 | 6 12 | 3 48 | 3 11 | 11 45 | 1 50 | 9 50 | 0 38 | 10 7 | 0 14 | 3 22 | 1 8 | 17 37 | 1 42 | 23 51 | 0 23 | 16 49 | 1 41 | 16 15 | 16 28 | 19 9 | 19 34 | 16 30 | 4 17 | 5 35 |
| T 3 | 5 49 | 1n43 | 3 58 | 11 5 | 1 51 | 10 20 | 0 42 | 10 22 | 0 14 | 3 27 | 1 8 | 17 38 | 1 42 | 23 51 | 0 23 | 16 50 | 1 41 | 16 14 | 16 28 | 19 10 | 19 35 | 16 33 | 4 18 | 5 34 |
| F 4 | 5 26 | 7 5 | 4 34 | 10 23 | 1 51 | 10 49 | 0 46 | 10 38 | 0 15 | 3 32 | 1 7 | 17 39 | 1 42 | 23 51 | 0 23 | 16 50 | 1 41 | 16 13 | 16 28 | 19 12 | 19 36 | 16 35 | 4 19 | 5 34 |
| S 5 | 5 3 | 12 9 | 4 57 | 9 41 | 1 50 | 11 18 | 0 49 | 10 54 | 0 16 | 3 37 | 1 7 | 17 40 | 1 41 | 23 51 | 0 23 | 16 50 | 1 41 | 16 12 | 16 28 | 19 14 | 19 36 | 16 38 | 4 20 | 5 34 |
| S 6 | 4 40 | 16 44 | 5 7 | 8 57 | 1 48 | 11 47 | 0 53 | 11 9 | 0 16 | 3 42 | 1 7 | 17 42 | 1 41 | 23 51 | 0 23 | 16 51 | 1 41 | 16 11 | 16 27 | 19 16 | 19 37 | 16 40 | 4 21 | 5 34 |
| M 7 | 4 17 | 20 40 | 5 4 | 8 13 | 1 46 | 12 16 | 0 57 | 11 25 | 0 17 | 3 47 | 1 7 | 17 43 | 1 41 | 23 51 | 0 23 | 16 51 | 1 41 | 16 10 | 16 27 | 19 18 | 19 38 | 16 42 | 4 22 | 5 34 |
| T 8 | 3 54 | 23 45 | 4 48 | 7 28 | 1 44 | 12 44 | 1 1 | 11 40 | 0 18 | 3 52 | 1 7 | 17 44 | 1 41 | 23 51 | 0 23 | 16 52 | 1 41 | 16 9 | 16 27 | 19 19 | 19 39 | 16 45 | 4 23 | 5 34 |
| W 9 | 3 31 | 25 50 | 4 20 | 6 43 | 1 41 | 13 13 | 1 4 | 11 56 | 0 18 | 3 57 | 1 7 | 17 45 | 1 41 | 23 51 | 0 23 | 16 52 | 1 41 | 16 8 | 16 27 | 19 20 | 19 39 | 16 47 | 4 25 | 5 34 |
| T 10 | 3 7 | 26 45 | 3 39 | 5 57 | 1 37 | 13 40 | 1 8 | 12 11 | 0 19 | 4 2 | 1 7 | 17 46 | 1 40 | 23 51 | 0 23 | 16 52 | 1 41 | 16 7 | 16 27 | 19 20 | 19 40 | 16 50 | 4 26 | 5 34 |
| F 11 | 2 44 | 26 22 | 2 48 | 5 10 | 1 33 | 14 8 | 1 12 | 12 26 | 0 20 | 4 7 | 1 7 | 17 47 | 1 40 | 23 51 | 0 23 | 16 53 | 1 41 | 16 6 | 16 27 | 19 20 | 19 41 | 16 52 | 4 27 | 5 33 |
| S 12 | 2 20 | 24 37 | 1 47 | 4 24 | 1 29 | 14 35 | 1 16 | 12 41 | 0 20 | 4 12 | 1 7 | 17 49 | 1 40 | 23 51 | 0 23 | 16 53 | 1 41 | 16 5 | 16 27 | 19 20 | 19 41 | 16 54 | 4 28 | 5 33 |
| S 13 | 1 57 | 21 31 | 0 39 | 3 37 | 1 24 | 15 2 | 1 19 | 12 56 | 0 21 | 4 17 | 1 7 | 17 50 | 1 40 | 23 51 | 0 23 | 16 54 | 1 41 | 16 4 | 16 27 | 19 19 | 19 42 | 16 57 | 4 29 | 5 33 |
| M14 | 1 33 | 17 12 | 0s33 | 2 50 | 1 19 | 15 29 | 1 23 | 13 11 | 0 22 | 4 22 | 1 7 | 17 51 | 1 40 | 23 51 | 0 23 | 16 54 | 1 41 | 16 3 | 16 27 | 19 19 | 19 43 | 16 59 | 4 30 | 5 33 |
| T 15 | 1 9 | 11 49 | 1 46 | 2 4 | 1 14 | 15 55 | 1 27 | 13 26 | 0 22 | 4 27 | 1 7 | 17 52 | 1 39 | 23 51 | 0 23 | 16 54 | 1 41 | 16 2 | 16 27 | 19 20 | 19 44 | 17 2 | 4 31 | 5 33 |
| W16 | 0 46 | 5 39 | 2 54 | 1 17 | 1 8 | 16 21 | 1 31 | 13 41 | 0 23 | 4 32 | 1 6 | 17 54 | 1 39 | 23 51 | 0 23 | 16 55 | 1 41 | 16 1 | 16 27 | 19 21 | 19 44 | 17 4 | 4 32 | 5 33 |
| T 17 | 0 22 | 0s58 | 3 52 | 0 30 | 1 3 | 16 47 | 1 34 | 13 56 | 0 24 | 4 37 | 1 6 | 17 55 | 1 39 | 23 51 | 0 23 | 16 55 | 1 41 | 16 0 | 16 27 | 19 22 | 19 45 | 17 6 | 4 33 | 5 32 |
| F 18 | 0s 2 | 7 38 | 4 36 | 0s16 | 0 57 | 17 12 | 1 38 | 14 11 | 0 24 | 4 42 | 1 6 | 17 56 | 1 39 | 23 51 | 0 23 | 16 56 | 1 41 | 16 0 | 16 27 | 19 24 | 19 46 | 17 9 | 4 34 | 5 32 |
| S 19 | 0 26 | 13 53 | 5 0 | 1 2 | 0 51 | 17 37 | 1 42 | 14 25 | 0 25 | 4 47 | 1 6 | 17 58 | 1 39 | 23 51 | 0 23 | 16 56 | 1 40 | 15 59 | 16 27 | 19 26 | 19 46 | 17 11 | 4 35 | 5 32 |
| S 20 | 0 49 | 19 17 | 5 3 | 1 48 | 0 45 | 18 1 | 1 45 | 14 40 | 0 26 | 4 52 | 1 6 | 17 59 | 1 38 | 23 51 | 0 23 | 16 57 | 1 40 | 15 58 | 16 28 | 19 28 | 19 47 | 17 14 | 4 36 | 5 32 |
| M21 | 1 13 | 23 23 | 4 46 | 2 34 | 0 38 | 18 25 | 1 49 | 14 54 | 0 26 | 4 57 | 1 6 | 18 0 | 1 38 | 23 51 | 0 23 | 16 57 | 1 40 | 15 57 | 16 28 | 19 30 | 19 48 | 17 16 | 4 37 | 5 32 |
| T 22 | 1 37 | 25 54 | 4 10 | 3 19 | 0 32 | 18 49 | 1 52 | 15 8 | 0 27 | 5 2 | 1 6 | 18 1 | 1 38 | 23 51 | 0 23 | 16 57 | 1 40 | 15 56 | 16 28 | 19 31 | 19 49 | 17 18 | 4 38 | 5 32 |
| W23 | 2 1 | 26 41 | 3 21 | 4 4 | 0 25 | 19 12 | 1 56 | 15 23 | 0 27 | 5 7 | 1 6 | 18 3 | 1 38 | 23 51 | 0 23 | 16 58 | 1 40 | 15 55 | 16 28 | 19 32 | 19 49 | 17 21 | 4 39 | 5 31 |
| T 24 | 2 24 | 25 46 | 2 20 | 4 49 | 0 19 | 19 35 | 1 59 | 15 37 | 0 28 | 5 12 | 1 6 | 18 4 | 1 38 | 23 51 | 0 23 | 16 58 | 1 40 | 15 54 | 16 28 | 19 32 | 19 50 | 17 23 | 4 40 | 5 31 |
| F 25 | 2 48 | 23 24 | 1 14 | 5 33 | 0 12 | 19 57 | 2 3 | 15 51 | 0 29 | 5 17 | 1 6 | 18 6 | 1 38 | 23 51 | 0 23 | 16 59 | 1 40 | 15 54 | 16 28 | 19 32 | 19 51 | 17 25 | 4 41 | 5 31 |
| S 26 | 3 12 | 19 51 | 0 5 | 6 17 | 0 5 | 20 18 | 2 6 | 16 4 | 0 29 | 5 23 | 1 6 | 18 7 | 1 37 | 23 50 | 0 23 | 16 59 | 1 40 | 15 53 | 16 28 | 19 32 | 19 52 | 17 28 | 4 42 | 5 31 |
| S 27 | 3 35 | 15 27 | 1n 2 | 7 0 | 0s 2 | 20 40 | 2 10 | 16 18 | 0 30 | 5 28 | 1 6 | 18 8 | 1 37 | 23 50 | 0 23 | 17 0 | 1 40 | 15 52 | 16 28 | 19 32 | 19 52 | 17 30 | 4 43 | 5 30 |
| M28 | 3 59 | 10 28 | 2 5 | 7 43 | 0 8 | 21 0 | 2 13 | 16 32 | 0 31 | 5 33 | 1 6 | 18 10 | 1 37 | 23 50 | 0 23 | 17 0 | 1 40 | 15 51 | 16 28 | 19 33 | 19 53 | 17 32 | 4 44 | 5 30 |
| T 29 | 4 22 | 5 10 | 3 1 | 8 25 | 0 15 | 21 21 | 2 16 | 16 45 | 0 31 | 5 38 | 1 6 | 18 11 | 1 37 | 23 50 | 0 23 | 17 1 | 1 40 | 15 50 | 16 28 | 19 34 | 19 54 | 17 35 | 4 45 | 5 30 |
| W30 | 4s46 | 0n16 | 3n48 | 9s 7 | 0s22 | 21s40 | 2s19 | 16s59 | 0s32 | 5s43 | 1n 6 | 18s13 | 1n37 | 23s50 | 0s23 | 17s 1 | 1n40 | 15n49 | 16n29 | 19s36 | 19s54 | 17n37 | 4s46 | 5n30 |

Julian Day Number = 2081072.5, Delta T = 25m35s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'12, Lahiri = 9°43'12 Julian Calendar 1 Sept. 985 == Greg. Calendar 6 Sept. 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## OCTOBER 985 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 59 22 | 12♎58'41 | 4♈ 0 | 24♎ 0 | 27♏23 | 15♏53 | 17♎15 | 27♏54 | 5♑24 | 23♏ 4 | 28♍ 8 | 2°R50 | 1♒35 | 3♉43 | 4°R32 | T 1 |
| F 2 | 1 3 18 | 13°58'27 | 15°59 | 25°33 | 28°31 | 16°36 | 17°28 | 27°59 | 5°25 | 23° 5 | 28°10 | 2♒37 | 1°32 | 3°50 | 4♓30 | F 2 |
| S 3 | 1 7 15 | 14°58'16 | 27°54 | 27° 6 | 29°39 | 17°19 | 17°41 | 28° 5 | 5°26 | 23° 7 | 28°13 | 2°23 | 1°29 | 3°57 | 4°28 | S 3 |
| S 4 | 1 11 11 | 15°58'06 | 9♉46 | 28°38 | 0♐47 | 18° 3 | 17°54 | 28°11 | 5°28 | 23° 9 | 28°15 | 2°10 | 1°25 | 4° 3 | 4°26 | S 4 |
| M 5 | 1 15 8 | 16°57'59 | 21°38 | 0♏ 9 | 1°55 | 18°46 | 18° 7 | 28°17 | 5°29 | 23°11 | 28°17 | 1°57 | 1°22 | 4°10 | 4°24 | M 5 |
| T 6 | 1 19 5 | 17°57'54 | 3♊31 | 1°40 | 3° 3 | 19°30 | 18°20 | 28°23 | 5°30 | 23°13 | 28°19 | 1°47 | 1°19 | 4°17 | 4°22 | T 6 |
| W 7 | 1 23 1 | 18°57'51 | 15°28 | 3°11 | 4°10 | 20°14 | 18°33 | 28°29 | 5°32 | 23°15 | 28°22 | 1°40 | 1°16 | 4°24 | 4°20 | W 7 |
| T 8 | 1 26 58 | 19°57'50 | 27°32 | 4°40 | 5°18 | 20°57 | 18°47 | 28°35 | 5°33 | 23°17 | 28°24 | 1°36 | 1°13 | 4°30 | 4°19 | T 8 |
| F 9 | 1 30 54 | 20°57'51 | 9♋49 | 6°10 | 6°25 | 21°41 | 19° 0 | 28°41 | 5°35 | 23°19 | 28°26 | 1°34 | 1°10 | 4°37 | 4°17 | F 9 |
| S 10 | 1 34 51 | 21°57'55 | 22°22 | 7°39 | 7°32 | 22°25 | 19°13 | 28°47 | 5°36 | 23°21 | 28°28 | 1°D33 | 1° 6 | 4°44 | 4°15 | S 10 |
| S 11 | 1 38 47 | 22°58'00 | 5♌17 | 9° 7 | 8°39 | 23° 9 | 19°26 | 28°53 | 5°38 | 23°23 | 28°31 | 1°R33 | 1° 3 | 4°51 | 4°14 | S 11 |
| M12 | 1 42 44 | 23°58'08 | 18°38 | 10°34 | 9°46 | 23°53 | 19°39 | 28°59 | 5°39 | 23°25 | 28°33 | 1°33 | 1° 0 | 4°57 | 4°12 | M12 |
| T 13 | 1 46 40 | 24°58'18 | 2♍28 | 12° 2 | 10°53 | 24°37 | 19°52 | 29° 5 | 5°41 | 23°27 | 28°35 | 1°30 | 0°57 | 5° 4 | 4°11 | T 13 |
| W14 | 1 50 37 | 25°58'30 | 16°48 | 13°28 | 11°59 | 25°21 | 20° 5 | 29°12 | 5°43 | 23°29 | 28°37 | 1°24 | 0°54 | 5°11 | 4° 9 | W14 |
| T 15 | 1 54 34 | 26°58'44 | 1♎35 | 14°54 | 13° 6 | 26° 5 | 20°18 | 29°18 | 5°44 | 23°31 | 28°39 | 1°16 | 0°51 | 5°17 | 4° 8 | T 15 |
| F 16 | 1 58 30 | 27°59'00 | 16°44 | 16°19 | 14°12 | 26°49 | 20°32 | 29°24 | 5°46 | 23°33 | 28°41 | 1° 6 | 0°47 | 5°24 | 4° 6 | F 16 |
| S 17 | 2 2 27 | 28°59'18 | 2♏ 4 | 17°43 | 15°18 | 27°34 | 20°45 | 29°31 | 5°48 | 23°35 | 28°43 | 0°54 | 0°44 | 5°31 | 4° 5 | S 17 |
| S 18 | 2 6 23 | 29°59'38 | 17°24 | 19° 7 | 16°24 | 28°18 | 20°58 | 29°37 | 5°50 | 23°37 | 28°45 | 0°43 | 0°41 | 5°38 | 4° 4 | S 18 |
| M19 | 2 10 20 | 1♏ 0'00 | 2♐32 | 20°30 | 17°29 | 29° 2 | 21°11 | 29°43 | 5°52 | 23°39 | 28°48 | 0°33 | 0°38 | 5°44 | 4° 3 | M19 |
| T 20 | 2 14 16 | 2° 0'23 | 17°19 | 21°52 | 18°35 | 29°47 | 21°24 | 29°50 | 5°54 | 23°41 | 28°50 | 0°26 | 0°35 | 5°51 | 4° 2 | T 20 |
| W21 | 2 18 13 | 3° 0'48 | 1♑39 | 23°13 | 19°40 | 0♐31 | 21°37 | 29°57 | 5°56 | 23°44 | 28°52 | 0°21 | 0°31 | 5°58 | 4° 0 | W21 |
| T 22 | 2 22 9 | 4° 1'14 | 15°30 | 24°32 | 20°45 | 1°16 | 21°50 | 0♐ 3 | 5°58 | 23°46 | 28°54 | 0°19 | 0°28 | 6° 4 | 3°59 | T 22 |
| F 23 | 2 26 6 | 5° 1'41 | 28°53 | 25°51 | 21°50 | 2° 1 | 22° 3 | 0°10 | 6° 0 | 23°48 | 28°56 | 0°19 | 0°25 | 6°11 | 3°58 | F 23 |
| S 24 | 2 30 3 | 6° 2'10 | 11♒51 | 27° 8 | 22°54 | 2°45 | 22°16 | 0°16 | 6° 2 | 23°50 | 28°58 | 0°19 | 0°22 | 6°18 | 3°57 | S 24 |
| S 25 | 2 33 59 | 7° 2'40 | 24°29 | 28°24 | 23°58 | 3°30 | 22°29 | 0°23 | 6° 5 | 23°52 | 29° 0 | 0°18 | 0°19 | 6°25 | 3°57 | S 25 |
| M26 | 2 37 56 | 8° 3'12 | 6♓51 | 29°38 | 25° 2 | 4°15 | 22°42 | 0°30 | 6° 7 | 23°54 | 29° 2 | 0°15 | 0°16 | 6°31 | 3°56 | M26 |
| T 27 | 2 41 52 | 9° 3'44 | 19° 0 | 0♐49 | 26° 6 | 5° 0 | 22°55 | 0°36 | 6° 9 | 23°57 | 29° 3 | 0° 9 | 0°12 | 6°38 | 3°55 | T 27 |
| W28 | 2 45 49 | 10° 4'19 | 1♈ 2 | 1°59 | 27° 9 | 5°45 | 23° 8 | 0°43 | 6°11 | 23°59 | 29° 5 | 0° 0 | 0° 9 | 6°45 | 3°54 | W28 |
| T 29 | 2 49 45 | 11° 4'54 | 12°58 | 3° 6 | 28°12 | 6°30 | 23°20 | 0°50 | 6°14 | 24° 1 | 29° 7 | 29♑49 | 0° 6 | 6°52 | 3°54 | T 29 |
| F 30 | 2 53 42 | 12° 5'31 | 24°52 | 4°11 | 29°15 | 7°15 | 23°33 | 0°57 | 6°16 | 24° 3 | 29° 9 | 29°36 | 0° 3 | 6°58 | 3°53 | F 30 |
| S 31 | 2 57 38 | 13♏ 6'09 | 6♉45 | 5♐12 | 0♑18 | 8♐ 0 | 23♎46 | 1♐ 4 | 6♑19 | 24♏ 5 | 29♍11 | 29♑21 | 29♑59 | 7♉ 5 | 3♓52 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s 9 | 5n38 | 4n24 | 9s48 | 0s29 | 22s 0 | 2s22 | 17s12 | 0s32 | 5s48 | 1n 6 | 18s14 | 1n37 | 23s50 | 0s23 | 17s 2 | 1n40 | 15n49 | 16n29 | 19s38 | 19s55 | 17n39 | 4s47 | 5n30 |
| F 2 | 5 32 | 10 45 | 4 48 | 10 29 | 0 36 | 22 18 | 2 26 | 17 25 | 0 33 | 5 53 | 1 6 | 18 15 | 1 36 | 23 50 | 0 23 | 17 2 | 1 40 | 15 48 | 16 29 | 19 41 | 19 56 | 17 42 | 4 48 | 5 29 |
| S 3 | 5 56 | 15 26 | 5 0 | 11 9 | 0 42 | 22 36 | 2 29 | 17 38 | 0 34 | 5 58 | 1 6 | 18 17 | 1 36 | 23 50 | 0 23 | 17 3 | 1 40 | 15 47 | 16 29 | 19 44 | 19 56 | 17 44 | 4 49 | 5 29 |
| S 4 | 6 19 | 19 31 | 4 58 | 11 49 | 0 49 | 22 54 | 2 32 | 17 51 | 0 34 | 6 3 | 1 6 | 18 18 | 1 36 | 23 50 | 0 23 | 17 3 | 1 40 | 15 46 | 16 29 | 19 47 | 19 57 | 17 46 | 4 50 | 5 29 |
| M 5 | 6 42 | 22 49 | 4 43 | 12 27 | 0 56 | 23 11 | 2 35 | 18 4 | 0 35 | 6 8 | 1 6 | 18 20 | 1 36 | 23 50 | 0 23 | 17 4 | 1 40 | 15 46 | 16 29 | 19 50 | 19 58 | 17 48 | 4 51 | 5 28 |
| T 6 | 7 5 | 25 10 | 4 16 | 13 5 | 1 2 | 23 27 | 2 37 | 18 16 | 0 35 | 6 13 | 1 6 | 18 21 | 1 36 | 23 50 | 0 22 | 17 4 | 1 40 | 15 45 | 16 30 | 19 52 | 19 59 | 17 51 | 4 52 | 5 28 |
| W 7 | 7 28 | 26 23 | 3 38 | 13 43 | 1 9 | 23 43 | 2 40 | 18 29 | 0 36 | 6 18 | 1 6 | 18 23 | 1 36 | 23 50 | 0 22 | 17 5 | 1 40 | 15 44 | 16 30 | 19 54 | 19 59 | 17 53 | 4 53 | 5 28 |
| T 8 | 7 51 | 26 22 | 2 49 | 14 20 | 1 15 | 23 58 | 2 43 | 18 41 | 0 36 | 6 23 | 1 5 | 18 24 | 1 36 | 23 50 | 0 22 | 17 5 | 1 40 | 15 44 | 16 30 | 19 55 | 20 0 | 17 55 | 4 54 | 5 28 |
| F 9 | 8 14 | 25 4 | 1 52 | 14 56 | 1 21 | 24 13 | 2 45 | 18 53 | 0 37 | 6 28 | 1 5 | 18 25 | 1 35 | 23 50 | 0 22 | 17 6 | 1 40 | 15 43 | 16 30 | 19 55 | 20 1 | 17 57 | 4 55 | 5 27 |
| S 10 | 8 36 | 22 30 | 0 48 | 15 31 | 1 27 | 24 27 | 2 48 | 19 5 | 0 38 | 6 33 | 1 5 | 18 27 | 1 35 | 23 50 | 0 22 | 17 6 | 1 40 | 15 42 | 16 31 | 19 55 | 20 1 | 18 0 | 4 55 | 5 27 |
| S 11 | 8 59 | 18 44 | 0s20 | 16 5 | 1 33 | 24 40 | 2 50 | 19 17 | 0 38 | 6 38 | 1 5 | 18 28 | 1 35 | 23 50 | 0 22 | 17 7 | 1 40 | 15 42 | 16 31 | 19 55 | 20 2 | 18 2 | 4 56 | 5 27 |
| M12 | 9 21 | 13 55 | 1 29 | 16 39 | 1 39 | 24 53 | 2 53 | 19 28 | 0 39 | 6 43 | 1 5 | 18 30 | 1 35 | 23 49 | 0 22 | 17 7 | 1 40 | 15 41 | 16 31 | 19 56 | 20 3 | 18 4 | 4 57 | 5 27 |
| T 13 | 9 43 | 8 14 | 2 35 | 17 12 | 1 45 | 25 5 | 2 55 | 19 40 | 0 39 | 6 48 | 1 5 | 18 31 | 1 35 | 23 49 | 0 22 | 17 8 | 1 40 | 15 40 | 16 31 | 19 56 | 20 3 | 18 7 | 4 58 | 5 26 |
| W14 | 10 5 | 1 57 | 3 34 | 17 43 | 1 50 | 25 17 | 2 57 | 19 51 | 0 40 | 6 53 | 1 5 | 18 33 | 1 35 | 23 49 | 0 22 | 17 8 | 1 39 | 15 40 | 16 32 | 19 57 | 20 4 | 18 9 | 4 59 | 5 26 |
| T 15 | 10 27 | 4s37 | 4 21 | 18 14 | 1 56 | 25 28 | 2 59 | 20 2 | 0 40 | 6 58 | 1 5 | 18 34 | 1 35 | 23 49 | 0 22 | 17 9 | 1 39 | 15 39 | 16 32 | 19 59 | 20 5 | 18 11 | 4 59 | 5 26 |
| F 16 | 10 49 | 11 4 | 4 51 | 18 44 | 2 1 | 25 38 | 3 1 | 20 13 | 0 41 | 7 3 | 1 5 | 18 36 | 1 34 | 23 49 | 0 22 | 17 10 | 1 39 | 15 39 | 16 32 | 20 1 | 20 6 | 18 13 | 5 0 | 5 25 |
| S 17 | 11 11 | 16 56 | 5 0 | 19 13 | 2 6 | 25 48 | 3 3 | 20 24 | 0 41 | 7 8 | 1 5 | 18 37 | 1 34 | 23 49 | 0 22 | 17 10 | 1 39 | 15 38 | 16 32 | 20 4 | 20 6 | 18 15 | 5 1 | 5 25 |
| S 18 | 11 32 | 21 42 | 4 47 | 19 41 | 2 10 | 25 56 | 3 5 | 20 34 | 0 42 | 7 13 | 1 5 | 18 39 | 1 34 | 23 49 | 0 22 | 17 11 | 1 39 | 15 37 | 16 33 | 20 7 | 20 7 | 18 18 | 5 2 | 5 25 |
| M19 | 11 53 | 24 57 | 4 15 | 20 8 | 2 15 | 26 5 | 3 7 | 20 45 | 0 42 | 7 18 | 1 5 | 18 40 | 1 34 | 23 49 | 0 22 | 17 11 | 1 39 | 15 37 | 16 33 | 20 9 | 20 8 | 18 20 | 5 2 | 5 25 |
| T 20 | 12 14 | 26 23 | 3 26 | 20 34 | 2 19 | 26 12 | 3 8 | 20 55 | 0 43 | 7 23 | 1 5 | 18 42 | 1 34 | 23 49 | 0 22 | 17 12 | 1 39 | 15 36 | 16 33 | 20 10 | 20 8 | 18 22 | 5 3 | 5 24 |
| W21 | 12 35 | 25 59 | 2 25 | 20 58 | 2 22 | 26 19 | 3 10 | 21 5 | 0 43 | 7 28 | 1 5 | 18 43 | 1 34 | 23 49 | 0 22 | 17 12 | 1 39 | 15 36 | 16 34 | 20 11 | 20 9 | 18 24 | 5 4 | 5 24 |
| T 22 | 12 56 | 23 57 | 1 17 | 21 22 | 2 26 | 26 25 | 3 11 | 21 15 | 0 44 | 7 33 | 1 5 | 18 45 | 1 34 | 23 49 | 0 22 | 17 13 | 1 39 | 15 35 | 16 34 | 20 12 | 20 10 | 18 27 | 5 4 | 5 24 |
| F 23 | 13 16 | 20 37 | 0 8 | 21 44 | 2 29 | 26 31 | 3 12 | 21 24 | 0 44 | 7 37 | 1 5 | 18 46 | 1 34 | 23 48 | 0 22 | 17 13 | 1 39 | 15 35 | 16 34 | 20 12 | 20 10 | 18 29 | 5 5 | 5 23 |
| S 24 | 13 36 | 16 21 | 1n 1 | 22 5 | 2 31 | 26 36 | 3 13 | 21 34 | 0 45 | 7 42 | 1 5 | 18 48 | 1 33 | 23 48 | 0 22 | 17 14 | 1 39 | 15 34 | 16 35 | 20 12 | 20 11 | 18 31 | 5 6 | 5 23 |
| S 25 | 13 56 | 11 29 | 2 4 | 22 24 | 2 34 | 26 40 | 3 14 | 21 43 | 0 45 | 7 47 | 1 5 | 18 49 | 1 33 | 23 48 | 0 22 | 17 15 | 1 39 | 15 34 | 16 35 | 20 12 | 20 12 | 18 33 | 5 6 | 5 23 |
| M26 | 14 16 | 6 16 | 3 0 | 22 42 | 2 35 | 26 44 | 3 15 | 21 52 | 0 46 | 7 52 | 1 5 | 18 51 | 1 33 | 23 48 | 0 22 | 17 15 | 1 39 | 15 33 | 16 35 | 20 13 | 20 12 | 18 35 | 5 7 | 5 22 |
| T 27 | 14 36 | 0 54 | 3 47 | 22 59 | 2 36 | 26 47 | 3 16 | 22 0 | 0 46 | 7 57 | 1 5 | 18 52 | 1 33 | 23 48 | 0 22 | 17 16 | 1 39 | 15 33 | 16 36 | 20 14 | 20 13 | 18 37 | 5 8 | 5 22 |
| W28 | 14 55 | 4n26 | 4 23 | 23 14 | 2 37 | 26 49 | 3 16 | 22 9 | 0 47 | 8 1 | 1 5 | 18 54 | 1 33 | 23 48 | 0 22 | 17 16 | 1 39 | 15 33 | 16 36 | 20 16 | 20 14 | 18 40 | 5 8 | 5 22 |
| T 29 | 15 14 | 9 33 | 4 47 | 23 27 | 2 37 | 26 50 | 3 17 | 22 17 | 0 47 | 8 6 | 1 5 | 18 55 | 1 33 | 23 48 | 0 22 | 17 17 | 1 39 | 15 32 | 16 37 | 20 18 | 20 14 | 18 42 | 5 9 | 5 21 |
| F 30 | 15 33 | 14 18 | 4 59 | 23 39 | 2 36 | 26 51 | 3 17 | 22 25 | 0 48 | 8 11 | 1 5 | 18 57 | 1 33 | 23 48 | 0 22 | 17 17 | 1 39 | 15 32 | 16 37 | 20 21 | 20 15 | 18 44 | 5 9 | 5 21 |
| S 31 | 15s51 | 18n31 | 4n57 | 23s49 | 2s35 | 26s51 | 3s17 | 22s33 | 0s48 | 8s16 | 1n 5 | 18s58 | 1n33 | 23s47 | 0s22 | 17s18 | 1n39 | 15n31 | 16n37 | 20s24 | 20s16 | 18n46 | 5s10 | 5n21 |

Julian Day Number = 2081102.5, Delta T = 25m35s
Ecliptic obliquity = 23°34'20, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'16, Lahiri = 9°43'16 Julian Calendar 1 Oct. 985 == Greg. Calendar 6 Oct. 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## NOVEMBER 985 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 1 35 | 14♏ 6'49 | 18♉38 | 6♐ 9 | 1♑20 | 8♐45 | 23♎59 | 1♐10 | 6♑21 | 24♏ 8 | 29♍13 | 29°R 7 | 29♑57 | 7♉12 | 3°R52 | S 1 |
| M 2 | 3 5 32 | 15° 7'30 | 0♊32 | 7° 3 | 2°22 | 9°30 | 24°12 | 1°17 | 6°24 | 24°10 | 29°15 | 28♑54 | 29°53 | 7°18 | 3♓51 | M 2 |
| T 3 | 3 9 28 | 16° 8'13 | 12°30 | 7°51 | 3°23 | 10°16 | 24°24 | 1°24 | 6°26 | 24°12 | 29°16 | 28°43 | 29°50 | 7°25 | 3°51 | T 3 |
| W 4 | 3 13 25 | 17° 8'58 | 24°32 | 8°34 | 4°24 | 11° 1 | 24°37 | 1°31 | 6°29 | 24°14 | 29°18 | 28°35 | 29°47 | 7°32 | 3°51 | W 4 |
| T 5 | 3 17 21 | 18° 9'43 | 6♋42 | 9°12 | 5°25 | 11°46 | 24°50 | 1°38 | 6°31 | 24°17 | 29°20 | 28°30 | 29°44 | 7°39 | 3°50 | T 5 |
| F 6 | 3 21 18 | 19°10'31 | 19° 2 | 9°42 | 6°25 | 12°32 | 25° 2 | 1°45 | 6°34 | 24°19 | 29°21 | 28°28 | 29°41 | 7°45 | 3°50 | F 6 |
| S 7 | 3 25 14 | 20°11'20 | 1♌35 | 10° 6 | 7°25 | 13°17 | 25°15 | 1°52 | 6°37 | 24°21 | 29°23 | 28°D28 | 29°37 | 7°52 | 3°50 | S 7 |
| S 8 | 3 29 11 | 21°12'10 | 14°27 | 10°20 | 8°24 | 14° 3 | 25°27 | 1°59 | 6°39 | 24°23 | 29°25 | 28°28 | 29°34 | 7°59 | 3°50 | S 8 |
| M 9 | 3 33 7 | 22°13'02 | 27°41 | 10°R26 | 9°23 | 14°48 | 25°40 | 2° 6 | 6°42 | 24°26 | 29°26 | 28°R28 | 29°31 | 8° 5 | 3°D50 | M 9 |
| T 10 | 3 37 4 | 23°13'55 | 11♍20 | 10°22 | 10°22 | 15°34 | 25°52 | 2°13 | 6°45 | 24°28 | 29°28 | 28°27 | 29°28 | 8°12 | 3°50 | T 10 |
| W11 | 3 41 1 | 24°14'50 | 25°27 | 10° 7 | 11°20 | 16°20 | 26° 4 | 2°20 | 6°48 | 24°30 | 29°30 | 28°23 | 29°25 | 8°19 | 3°50 | W11 |
| T 12 | 3 44 57 | 25°15'46 | 10♎ 0 | 9°41 | 12°18 | 17° 6 | 26°17 | 2°27 | 6°51 | 24°33 | 29°31 | 28°17 | 29°22 | 8°26 | 3°50 | T 12 |
| F 13 | 3 48 54 | 26°16'43 | 24°56 | 9° 5 | 13°15 | 17°51 | 26°29 | 2°34 | 6°53 | 24°35 | 29°33 | 28° 9 | 29°18 | 8°32 | 3°50 | F 13 |
| S 14 | 3 52 50 | 27°17'42 | 10♏ 8 | 8°17 | 14°12 | 18°37 | 26°41 | 2°41 | 6°56 | 24°37 | 29°34 | 27°59 | 29°15 | 8°39 | 3°51 | S 14 |
| S 15 | 3 56 47 | 28°18'42 | 25°25 | 7°18 | 15° 8 | 19°23 | 26°53 | 2°48 | 6°59 | 24°39 | 29°36 | 27°49 | 29°12 | 8°46 | 3°51 | S 15 |
| M16 | 4 0 43 | 29°19'43 | 10♐35 | 6°11 | 16° 3 | 20° 9 | 27° 6 | 2°55 | 7° 2 | 24°42 | 29°37 | 27°41 | 29° 9 | 8°53 | 3°51 | M16 |
| T 17 | 4 4 40 | 0♐20'45 | 25°29 | 4°56 | 16°58 | 20°55 | 27°18 | 3° 2 | 7° 5 | 24°44 | 29°38 | 27°35 | 29° 6 | 8°59 | 3°52 | T 17 |
| W18 | 4 8 36 | 1°21'48 | 10♑ 0 | 3°36 | 17°52 | 21°41 | 27°30 | 3° 9 | 7° 8 | 24°46 | 29°40 | 27°31 | 29° 3 | 9° 6 | 3°52 | W18 |
| T 19 | 4 12 33 | 2°22'52 | 24° 1 | 2°13 | 18°46 | 22°27 | 27°42 | 3°16 | 7°11 | 24°48 | 29°41 | 27°D30 | 28°59 | 9°13 | 3°53 | T 19 |
| F 20 | 4 16 30 | 3°23'56 | 7♒34 | 0°51 | 19°39 | 23°13 | 27°54 | 3°23 | 7°14 | 24°51 | 29°42 | 27°30 | 28°56 | 9°19 | 3°53 | F 20 |
| S 21 | 4 20 26 | 4°25'00 | 20°40 | 29♏31 | 20°31 | 24° 0 | 28° 5 | 3°30 | 7°18 | 24°53 | 29°44 | 27°31 | 28°53 | 9°26 | 3°54 | S 21 |
| S 22 | 4 24 23 | 5°26'05 | 3♓21 | 28°17 | 21°23 | 24°46 | 28°17 | 3°38 | 7°21 | 24°55 | 29°45 | 27°R32 | 28°50 | 9°33 | 3°54 | S 22 |
| M23 | 4 28 19 | 6°27'10 | 15°44 | 27°11 | 22°14 | 25°32 | 28°29 | 3°45 | 7°24 | 24°57 | 29°46 | 27°31 | 28°47 | 9°40 | 3°55 | M23 |
| T 24 | 4 32 16 | 7°28'16 | 27°53 | 26°14 | 23° 4 | 26°18 | 28°40 | 3°52 | 7°27 | 25° 0 | 29°47 | 27°29 | 28°43 | 9°46 | 3°56 | T 24 |
| W25 | 4 36 12 | 8°29'22 | 9♈51 | 25°27 | 23°53 | 27° 5 | 28°52 | 3°59 | 7°30 | 25° 2 | 29°49 | 27°24 | 28°40 | 9°53 | 3°57 | W25 |
| T 26 | 4 40 9 | 9°30'29 | 21°45 | 24°51 | 24°41 | 27°51 | 29° 4 | 4° 6 | 7°34 | 25° 4 | 29°50 | 27°17 | 28°37 | 10° 0 | 3°58 | T 26 |
| F 27 | 4 44 5 | 10°31'36 | 3♉36 | 24°27 | 25°29 | 28°37 | 29°15 | 4°13 | 7°37 | 25° 6 | 29°51 | 27° 9 | 28°34 | 10° 6 | 3°59 | F 27 |
| S 28 | 4 48 2 | 11°32'44 | 15°28 | 24°13 | 26°15 | 29°24 | 29°26 | 4°20 | 7°40 | 25° 8 | 29°52 | 27° 0 | 28°31 | 10°13 | 4° 0 | S 28 |
| S 29 | 4 51 59 | 12°33'52 | 27°24 | 24°D10 | 27° 1 | 0♑10 | 29°38 | 4°27 | 7°43 | 25°11 | 29°53 | 26°50 | 28°28 | 10°20 | 4° 1 | S 29 |
| M30 | 4 55 55 | 13♐35'00 | 9♊24 | 24♏16 | 27♑45 | 0♑57 | 29♎49 | 4♐34 | 7♑47 | 25♏13 | 29♍54 | 26♑42 | 28♑24 | 10♉27 | 4♓ 2 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s10 | 21n59 | 4n43 | 23s57 | 2s32 | 26s51 | 3s17 | 22s41 | 0s49 | 8s20 | 1n 6 | 19s 0 | 1n33 | 23s47 | 0s22 | 17s18 | 1n39 | 15n31 | 16n38 | 20s27 | 20s16 | 18n48 | 5s10 | 5n20 |
| M 2 | 16 28 | 24 33 | 4 16 | 24 3 | 2 29 | 26 50 | 3 17 | 22 48 | 0 49 | 8 25 | 1 6 | 19 1 | 1 33 | 23 47 | 0 22 | 17 19 | 1 39 | 15 31 | 16 38 | 20 30 | 20 17 | 18 50 | 5 11 | 5 20 |
| T 3 | 16 45 | 26 1 | 3 38 | 24 7 | 2 25 | 26 48 | 3 17 | 22 56 | 0 50 | 8 30 | 1 6 | 19 3 | 1 32 | 23 47 | 0 22 | 17 20 | 1 39 | 15 30 | 16 39 | 20 32 | 20 18 | 18 53 | 5 11 | 5 20 |
| W 4 | 17 3 | 26 17 | 2 50 | 24 9 | 2 20 | 26 46 | 3 16 | 23 3 | 0 50 | 8 34 | 1 6 | 19 4 | 1 32 | 23 47 | 0 22 | 17 20 | 1 39 | 15 30 | 16 39 | 20 33 | 20 19 | 18 55 | 5 11 | 5 19 |
| T 5 | 17 20 | 25 17 | 1 53 | 24 9 | 2 13 | 26 43 | 3 15 | 23 9 | 0 50 | 8 39 | 1 6 | 19 6 | 1 32 | 23 47 | 0 22 | 17 21 | 1 39 | 15 30 | 16 39 | 20 34 | 20 19 | 18 57 | 5 12 | 5 19 |
| F 6 | 17 37 | 23 2 | 0 50 | 24 6 | 2 6 | 26 39 | 3 15 | 23 16 | 0 51 | 8 43 | 1 6 | 19 7 | 1 32 | 23 47 | 0 22 | 17 21 | 1 39 | 15 30 | 16 40 | 20 35 | 20 20 | 18 59 | 5 12 | 5 19 |
| S 7 | 17 53 | 19 39 | 0s17 | 24 1 | 1 57 | 26 35 | 3 14 | 23 22 | 0 51 | 8 48 | 1 6 | 19 9 | 1 32 | 23 47 | 0 22 | 17 22 | 1 39 | 15 29 | 16 40 | 20 35 | 20 21 | 19 1 | 5 13 | 5 18 |
| S 8 | 18 10 | 15 15 | 1 24 | 23 53 | 1 47 | 26 30 | 3 12 | 23 28 | 0 52 | 8 53 | 1 6 | 19 10 | 1 32 | 23 46 | 0 22 | 17 22 | 1 39 | 15 29 | 16 41 | 20 35 | 20 21 | 19 3 | 5 13 | 5 18 |
| M 9 | 18 25 | 10 1 | 2 29 | 23 42 | 1 35 | 26 25 | 3 11 | 23 34 | 0 52 | 8 57 | 1 6 | 19 12 | 1 32 | 23 46 | 0 22 | 17 23 | 1 39 | 15 29 | 16 41 | 20 35 | 20 22 | 19 5 | 5 13 | 5 18 |
| T 10 | 18 41 | 4 9 | 3 27 | 23 29 | 1 22 | 26 19 | 3 9 | 23 39 | 0 52 | 9 2 | 1 6 | 19 13 | 1 32 | 23 46 | 0 22 | 17 23 | 1 39 | 15 29 | 16 42 | 20 35 | 20 23 | 19 7 | 5 14 | 5 17 |
| W11 | 18 56 | 2s 5 | 4 15 | 23 12 | 1 7 | 26 12 | 3 8 | 23 45 | 0 53 | 9 6 | 1 6 | 19 15 | 1 32 | 23 46 | 0 22 | 17 24 | 1 39 | 15 28 | 16 42 | 20 36 | 20 23 | 19 9 | 5 14 | 5 17 |
| T 12 | 19 11 | 8 24 | 4 48 | 22 52 | 0 51 | 26 5 | 3 6 | 23 50 | 0 53 | 9 10 | 1 6 | 19 16 | 1 32 | 23 46 | 0 22 | 17 25 | 1 39 | 15 28 | 16 43 | 20 37 | 20 24 | 19 12 | 5 14 | 5 17 |
| F 13 | 19 26 | 14 24 | 5 3 | 22 29 | 0 34 | 25 57 | 3 4 | 23 54 | 0 54 | 9 15 | 1 6 | 19 17 | 1 32 | 23 46 | 0 22 | 17 25 | 1 39 | 15 28 | 16 43 | 20 39 | 20 25 | 19 14 | 5 14 | 5 16 |
| S 14 | 19 40 | 19 37 | 4 57 | 22 3 | 0 15 | 25 49 | 3 1 | 23 59 | 0 54 | 9 19 | 1 6 | 19 19 | 1 32 | 23 45 | 0 22 | 17 26 | 1 39 | 15 28 | 16 43 | 20 41 | 20 25 | 19 16 | 5 15 | 5 16 |
| S 15 | 19 54 | 23 35 | 4 30 | 21 34 | 0n 5 | 25 40 | 2 59 | 24 3 | 0 54 | 9 24 | 1 6 | 19 20 | 1 32 | 23 45 | 0 22 | 17 26 | 1 39 | 15 28 | 16 44 | 20 43 | 20 26 | 19 18 | 5 15 | 5 16 |
| M16 | 20 7 | 25 50 | 3 43 | 21 3 | 0 25 | 25 31 | 2 56 | 24 7 | 0 55 | 9 28 | 1 6 | 19 22 | 1 31 | 23 45 | 0 22 | 17 27 | 1 39 | 15 28 | 16 44 | 20 44 | 20 27 | 19 20 | 5 15 | 5 15 |
| T 17 | 20 20 | 26 12 | 2 42 | 20 30 | 0 45 | 25 21 | 2 53 | 24 11 | 0 55 | 9 32 | 1 6 | 19 23 | 1 31 | 23 45 | 0 22 | 17 27 | 1 39 | 15 28 | 16 45 | 20 46 | 20 27 | 19 22 | 5 15 | 5 15 |
| W18 | 20 33 | 24 44 | 1 32 | 19 55 | 1 6 | 25 10 | 2 50 | 24 14 | 0 56 | 9 37 | 1 6 | 19 25 | 1 31 | 23 45 | 0 22 | 17 28 | 1 39 | 15 27 | 16 45 | 20 46 | 20 28 | 19 24 | 5 15 | 5 15 |
| T 19 | 20 45 | 21 44 | 0 19 | 19 20 | 1 25 | 25 0 | 2 46 | 24 17 | 0 56 | 9 41 | 1 6 | 19 26 | 1 31 | 23 45 | 0 22 | 17 28 | 1 39 | 15 27 | 16 46 | 20 47 | 20 28 | 19 26 | 5 16 | 5 14 |
| F 20 | 20 57 | 17 37 | 0n54 | 18 46 | 1 43 | 24 48 | 2 43 | 24 20 | 0 56 | 9 45 | 1 6 | 19 27 | 1 31 | 23 44 | 0 22 | 17 29 | 1 39 | 15 27 | 16 46 | 20 47 | 20 29 | 19 28 | 5 16 | 5 14 |
| S 21 | 21 9 | 12 46 | 2 1 | 18 13 | 1 59 | 24 37 | 2 39 | 24 23 | 0 57 | 9 49 | 1 6 | 19 29 | 1 31 | 23 44 | 0 22 | 17 29 | 1 39 | 15 27 | 16 47 | 20 46 | 20 30 | 19 30 | 5 16 | 5 14 |
| S 22 | 21 20 | 7 32 | 3 0 | 17 43 | 2 14 | 24 24 | 2 35 | 24 25 | 0 57 | 9 53 | 1 7 | 19 30 | 1 31 | 23 44 | 0 22 | 17 30 | 1 39 | 15 27 | 16 48 | 20 46 | 20 30 | 19 32 | 5 16 | 5 13 |
| M23 | 21 30 | 2 8 | 3 50 | 17 16 | 2 26 | 24 12 | 2 30 | 24 27 | 0 57 | 9 57 | 1 7 | 19 32 | 1 31 | 23 44 | 0 22 | 17 31 | 1 39 | 15 27 | 16 48 | 20 46 | 20 31 | 19 34 | 5 16 | 5 13 |
| T 24 | 21 41 | 3n14 | 4 27 | 16 53 | 2 36 | 23 59 | 2 26 | 24 29 | 0 58 | 10 1 | 1 7 | 19 33 | 1 31 | 23 44 | 0 22 | 17 31 | 1 39 | 15 27 | 16 49 | 20 47 | 20 32 | 19 36 | 5 16 | 5 13 |
| W25 | 21 51 | 8 24 | 4 53 | 16 35 | 2 43 | 23 45 | 2 21 | 24 30 | 0 58 | 10 6 | 1 7 | 19 34 | 1 31 | 23 44 | 0 22 | 17 32 | 1 39 | 15 27 | 16 49 | 20 48 | 20 32 | 19 38 | 5 16 | 5 12 |
| T 26 | 22 0 | 13 14 | 5 6 | 16 21 | 2 49 | 23 32 | 2 16 | 24 31 | 0 58 | 10 10 | 1 7 | 19 36 | 1 31 | 23 43 | 0 22 | 17 32 | 1 39 | 15 27 | 16 50 | 20 49 | 20 33 | 19 40 | 5 16 | 5 12 |
| F 27 | 22 9 | 17 33 | 5 5 | 16 12 | 2 52 | 23 18 | 2 10 | 24 32 | 0 58 | 10 14 | 1 7 | 19 37 | 1 31 | 23 43 | 0 22 | 17 33 | 1 39 | 15 27 | 16 50 | 20 51 | 20 34 | 19 42 | 5 16 | 5 12 |
| S 28 | 22 18 | 21 12 | 4 51 | 16 7 | 2 54 | 23 3 | 2 5 | 24 33 | 0 59 | 10 17 | 1 7 | 19 38 | 1 31 | 23 43 | 0 22 | 17 33 | 1 39 | 15 27 | 16 51 | 20 52 | 20 34 | 19 44 | 5 16 | 5 11 |
| S 29 | 22 26 | 23 59 | 4 25 | 16 7 | 2 54 | 22 49 | 1 59 | 24 33 | 0 59 | 10 21 | 1 7 | 19 40 | 1 31 | 23 43 | 0 22 | 17 34 | 1 39 | 15 28 | 16 51 | 20 54 | 20 35 | 19 46 | 5 16 | 5 11 |
| M30 | 22s33 | 25n43 | 3n47 | 16s10 | 2n52 | 22s34 | 1s52 | 24s33 | 0s59 | 10s25 | 1n 7 | 19s41 | 1n31 | 23s43 | 0s22 | 17s34 | 1n39 | 15n28 | 16n52 | 20s56 | 20s36 | 19n48 | 5s16 | 5n11 |

Julian Day Number = 2081133.5, Delta T = 25m34s
Ecliptic obliquity = 23°34'19, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'20, Lahiri = 9°43'20 Julian Calendar 1 Nov. 985 == Greg. Calendar 6 Nov. 985


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# ASTRODIENST EPHEMERIS for the year 985
# geocentric

## DECEMBER 985 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 59 52 | 14♐36'09 | 21♊31 | 24♏31 | 28♑29 | 1♑43 | 29♎59 | 4♐41 | 7♑50 | 25♏15 | 29♍55 | 26°R35 | 28♑21 | 10♉33 | 4♓ 3 | T 1 |
| W 2 | 5 3 48 | 15°37'18 | 3♋45 | 24°55 | 29°11 | 2°30 | 0♏11 | 4°48 | 7°53 | 25°17 | 29°56 | 26♑31 | 28°18 | 10°40 | 4° 4 | W 2 |
| T 3 | 5 7 45 | 16°38'28 | 16° 7 | 25°26 | 29°52 | 3°17 | 0°22 | 4°55 | 7°57 | 25°19 | 29°57 | 26°28 | 28°15 | 10°47 | 4° 6 | T 3 |
| F 4 | 5 11 41 | 17°39'38 | 28°40 | 26° 3 | 0♒32 | 4° 3 | 0°33 | 5° 2 | 8° 0 | 25°21 | 29°57 | 26°D28 | 28°12 | 10°54 | 4° 7 | F 4 |
| S 5 | 5 15 38 | 18°40'49 | 11♌24 | 26°46 | 1°11 | 4°50 | 0°44 | 5° 9 | 8° 3 | 25°23 | 29°58 | 26°29 | 28° 9 | 11° 0 | 4° 9 | S 5 |
| S 6 | 5 19 35 | 19°42'00 | 24°24 | 27°35 | 1°49 | 5°37 | 0°54 | 5°16 | 8° 7 | 25°26 | 29°59 | 26°30 | 28° 5 | 11° 7 | 4°10 | S 6 |
| M 7 | 5 23 31 | 20°43'11 | 7♍40 | 28°28 | 2°25 | 6°24 | 1° 5 | 5°23 | 8°10 | 25°28 | 29°59 | 26°32 | 28° 2 | 11°14 | 4°12 | M 7 |
| T 8 | 5 27 28 | 21°44'23 | 21°15 | 29°26 | 3° 0 | 7°10 | 1°16 | 5°29 | 8°14 | 25°30 | 0♎ 1 | 26°R32 | 27°59 | 11°20 | 4°13 | T 8 |
| W 9 | 5 31 24 | 22°45'36 | 5♎10 | 0♐26 | 3°33 | 7°57 | 1°26 | 5°36 | 8°17 | 25°32 | 0° 1 | 26°32 | 27°56 | 11°27 | 4°15 | W 9 |
| T 10 | 5 35 21 | 23°46'49 | 19°26 | 1°31 | 4° 5 | 8°44 | 1°36 | 5°43 | 8°21 | 25°34 | 0° 2 | 26°30 | 27°53 | 11°34 | 4°16 | T 10 |
| F 11 | 5 39 17 | 24°48'02 | 4♏ 1 | 2°38 | 4°35 | 9°31 | 1°47 | 5°50 | 8°24 | 25°36 | 0° 2 | 26°26 | 27°49 | 11°41 | 4°18 | F 11 |
| S 12 | 5 43 14 | 25°49'16 | 18°49 | 3°47 | 5° 4 | 10°18 | 1°57 | 5°57 | 8°28 | 25°38 | 0° 3 | 26°21 | 27°46 | 11°47 | 4°20 | S 12 |
| S 13 | 5 47 10 | 26°50'29 | 3♐43 | 4°59 | 5°31 | 11° 5 | 2° 7 | 6° 4 | 8°31 | 25°40 | 0° 4 | 26°17 | 27°43 | 11°54 | 4°22 | S 13 |
| M14 | 5 51 7 | 27°51'43 | 18°37 | 6°13 | 5°56 | 11°52 | 2°17 | 6°10 | 8°35 | 25°42 | 0° 4 | 26°13 | 27°40 | 12° 1 | 4°24 | M14 |
| T 15 | 5 55 4 | 28°52'57 | 3♑21 | 7°28 | 6°19 | 12°39 | 2°27 | 6°17 | 8°38 | 25°44 | 0° 5 | 26°10 | 27°37 | 12° 7 | 4°25 | T 15 |
| W16 | 5 59 0 | 29°54'11 | 17°47 | 8°45 | 6°41 | 13°26 | 2°37 | 6°24 | 8°42 | 25°46 | 0° 5 | 26° 8 | 27°34 | 12°14 | 4°27 | W16 |
| T 17 | 6 2 57 | 0♑55'25 | 1♒50 | 10° 4 | 7° 1 | 14°13 | 2°46 | 6°30 | 8°45 | 25°48 | 0° 5 | 26°D 8 | 27°30 | 12°21 | 4°29 | T 17 |
| F 18 | 6 6 53 | 1°56'38 | 15°28 | 11°24 | 7°18 | 15° 0 | 2°56 | 6°37 | 8°49 | 25°50 | 0° 6 | 26° 9 | 27°27 | 12°28 | 4°31 | F 18 |
| S 19 | 6 10 50 | 2°57'50 | 28°41 | 12°45 | 7°34 | 15°47 | 3° 5 | 6°44 | 8°52 | 25°52 | 0° 6 | 26°11 | 27°24 | 12°34 | 4°34 | S 19 |
| S 20 | 6 14 46 | 3°59'02 | 11♓30 | 14° 7 | 7°47 | 16°34 | 3°15 | 6°50 | 8°56 | 25°54 | 0° 6 | 26°12 | 27°21 | 12°41 | 4°36 | S 20 |
| M21 | 6 18 43 | 5° 0'13 | 23°58 | 15°30 | 7°58 | 17°22 | 3°24 | 6°57 | 8°59 | 25°55 | 0° 7 | 26°14 | 27°18 | 12°48 | 4°38 | M21 |
| T 22 | 6 22 39 | 6° 1'24 | 6♈10 | 16°54 | 8° 7 | 18° 9 | 3°33 | 7° 3 | 9° 3 | 25°57 | 0° 7 | 26°R14 | 27°15 | 12°55 | 4°40 | T 22 |
| W23 | 6 26 36 | 7° 2'34 | 18°10 | 18°19 | 8°14 | 18°56 | 3°42 | 7°10 | 9° 7 | 25°59 | 0° 7 | 26°14 | 27°11 | 13° 1 | 4°42 | W23 |
| T 24 | 6 30 33 | 8° 3'43 | 0♉ 4 | 19°45 | 8°18 | 19°43 | 3°51 | 7°16 | 9°10 | 26° 1 | 0° 7 | 26°12 | 27° 8 | 13° 8 | 4°45 | T 24 |
| F 25 | 6 34 29 | 9° 4'52 | 11°55 | 21°11 | 8°R20 | 20°30 | 4° 0 | 7°23 | 9°14 | 26° 3 | 0° 7 | 26°10 | 27° 5 | 13°15 | 4°47 | F 25 |
| S 26 | 6 38 26 | 10° 6'00 | 23°49 | 22°38 | 8°19 | 21°18 | 4° 8 | 7°29 | 9°17 | 26° 4 | 0° 8 | 26° 8 | 27° 2 | 13°21 | 4°50 | S 26 |
| S 27 | 6 42 22 | 11° 7'07 | 5♊47 | 24° 6 | 8°16 | 22° 5 | 4°17 | 7°35 | 9°21 | 26° 6 | 0° 8 | 26° 5 | 26°59 | 13°28 | 4°52 | S 27 |
| M28 | 6 46 19 | 12° 8'14 | 17°53 | 25°34 | 8°10 | 22°52 | 4°25 | 7°41 | 9°24 | 26° 8 | 0°R 8 | 26° 3 | 26°55 | 13°35 | 4°55 | M28 |
| T 29 | 6 50 15 | 13° 9'19 | 0♋10 | 27° 4 | 8° 2 | 23°40 | 4°34 | 7°48 | 9°28 | 26°10 | 0° 8 | 26° 1 | 26°52 | 13°42 | 4°57 | T 29 |
| W30 | 6 54 12 | 14°10'24 | 12°38 | 28°33 | 7°51 | 24°27 | 4°42 | 7°54 | 9°31 | 26°11 | 0° 8 | 26° 0 | 26°49 | 13°48 | 5° 0 | W30 |
| T 31 | 6 58 9 | 15♑11'29 | 25♋18 | 0♑ 4 | 7♒38 | 25♑14 | 4♏50 | 8♐ 0 | 9♑35 | 26♏13 | 0♎ 7 | 26°D 0 | 26♑46 | 13♉55 | 5♓ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s41 | 26n15 | 2n58 | 16s16 | 2n49 | 22s19 | 1s46 | 24s33 | 1s 0 | 10s29 | 1n 7 | 19s42 | 1n31 | 23s42 | 0s22 | 17s35 | 1n39 | 15n28 | 16n52 | 20s57 | 20s36 | 19n50 | 5s15 | 5n10 |
| W 2 | 22 47 | 25 31 | 2 0 | 16 26 | 2 45 | 22 3 | 1 39 | 24 33 | 1 0 | 10 33 | 1 7 | 19 44 | 1 31 | 23 42 | 0 22 | 17 35 | 1 39 | 15 28 | 16 53 | 20 58 | 20 37 | 19 52 | 5 15 | 5 10 |
| T 3 | 22 54 | 23 31 | 0 56 | 16 38 | 2 41 | 21 47 | 1 32 | 24 32 | 1 0 | 10 37 | 1 7 | 19 45 | 1 31 | 23 42 | 0 22 | 17 36 | 1 39 | 15 28 | 16 54 | 20 59 | 20 38 | 19 54 | 5 15 | 5 10 |
| F 4 | 23 0 | 20 21 | 0s12 | 16 52 | 2 35 | 21 32 | 1 25 | 24 31 | 1 0 | 10 40 | 1 8 | 19 46 | 1 31 | 23 42 | 0 22 | 17 36 | 1 39 | 15 28 | 16 54 | 20 59 | 20 38 | 19 56 | 5 15 | 5 9 |
| S 5 | 23 5 | 16 10 | 1 20 | 17 8 | 2 29 | 21 16 | 1 17 | 24 30 | 1 1 | 10 44 | 1 8 | 19 47 | 1 31 | 23 42 | 0 22 | 17 37 | 1 39 | 15 28 | 16 55 | 20 58 | 20 39 | 19 58 | 5 15 | 5 9 |
| S 6 | 23 10 | 11 10 | 2 26 | 17 25 | 2 22 | 20 59 | 1 9 | 24 28 | 1 1 | 10 48 | 1 8 | 19 49 | 1 31 | 23 41 | 0 22 | 17 37 | 1 39 | 15 29 | 16 55 | 20 58 | 20 40 | 20 0 | 5 14 | 5 9 |
| M 7 | 23 15 | 5 34 | 3 26 | 17 44 | 2 15 | 20 43 | 1 1 | 24 26 | 1 1 | 10 51 | 1 8 | 19 50 | 1 31 | 23 41 | 0 22 | 17 38 | 1 39 | 15 29 | 16 56 | 20 58 | 20 40 | 20 2 | 5 14 | 5 8 |
| T 8 | 23 19 | 0s25 | 4 15 | 18 4 | 2 8 | 20 27 | 0 52 | 24 24 | 1 1 | 10 55 | 1 8 | 19 51 | 1 31 | 23 41 | 0 22 | 17 38 | 1 39 | 15 29 | 16 56 | 20 58 | 20 41 | 20 4 | 5 14 | 5 8 |
| W 9 | 23 22 | 6 31 | 4 51 | 18 24 | 2 0 | 20 10 | 0 43 | 24 21 | 1 2 | 10 59 | 1 8 | 19 52 | 1 31 | 23 41 | 0 22 | 17 39 | 1 39 | 15 29 | 16 57 | 20 58 | 20 41 | 20 6 | 5 14 | 5 8 |
| T 10 | 23 25 | 12 25 | 5 10 | 18 45 | 1 52 | 19 54 | 0 34 | 24 19 | 1 2 | 11 2 | 1 8 | 19 54 | 1 31 | 23 41 | 0 22 | 17 39 | 1 39 | 15 30 | 16 58 | 20 58 | 20 42 | 20 8 | 5 13 | 5 8 |
| F 11 | 23 28 | 17 46 | 5 9 | 19 6 | 1 44 | 19 37 | 0 24 | 24 16 | 1 2 | 11 5 | 1 8 | 19 55 | 1 31 | 23 40 | 0 22 | 17 40 | 1 39 | 15 30 | 16 58 | 20 59 | 20 43 | 20 10 | 5 13 | 5 7 |
| S 12 | 23 30 | 22 8 | 4 49 | 19 28 | 1 36 | 19 20 | 0 14 | 24 12 | 1 2 | 11 9 | 1 8 | 19 56 | 1 31 | 23 40 | 0 22 | 17 40 | 1 39 | 15 30 | 16 59 | 21 0 | 20 43 | 20 12 | 5 13 | 5 7 |
| S 13 | 23 32 | 25 4 | 4 8 | 19 49 | 1 27 | 19 4 | 0 4 | 24 9 | 1 3 | 11 12 | 1 8 | 19 57 | 1 31 | 23 40 | 0 22 | 17 40 | 1 39 | 15 31 | 16 59 | 21 1 | 20 44 | 20 14 | 5 12 | 5 7 |
| M14 | 23 33 | 26 15 | 3 11 | 20 10 | 1 19 | 18 47 | 0n 7 | 24 5 | 1 3 | 11 16 | 1 9 | 19 58 | 1 31 | 23 40 | 0 22 | 17 41 | 1 39 | 15 31 | 17 0 | 21 1 | 20 45 | 20 16 | 5 12 | 5 6 |
| T 15 | 23 34 | 25 34 | 2 2 | 20 31 | 1 11 | 18 31 | 0 18 | 24 1 | 1 3 | 11 19 | 1 9 | 19 59 | 1 31 | 23 39 | 0 22 | 17 41 | 1 39 | 15 31 | 17 1 | 21 2 | 20 45 | 20 18 | 5 11 | 5 6 |
| W16 | 23 34 | 23 8 | 0 46 | 20 52 | 1 2 | 18 14 | 0 29 | 23 56 | 1 3 | 11 22 | 1 9 | 20 1 | 1 31 | 23 39 | 0 22 | 17 42 | 1 39 | 15 32 | 17 1 | 21 2 | 20 46 | 20 19 | 5 11 | 5 6 |
| T 17 | 23 34 | 19 21 | 0n31 | 21 12 | 0 54 | 17 58 | 0 41 | 23 51 | 1 3 | 11 25 | 1 9 | 20 2 | 1 31 | 23 39 | 0 22 | 17 42 | 1 39 | 15 32 | 17 2 | 21 2 | 20 46 | 20 21 | 5 11 | 5 5 |
| F 18 | 23 33 | 14 37 | 1 44 | 21 31 | 0 46 | 17 42 | 0 53 | 23 46 | 1 3 | 11 29 | 1 9 | 20 3 | 1 31 | 23 39 | 0 22 | 17 43 | 1 39 | 15 32 | 17 2 | 21 2 | 20 47 | 20 23 | 5 10 | 5 5 |
| S 19 | 23 32 | 9 21 | 2 50 | 21 50 | 0 37 | 17 26 | 1 5 | 23 41 | 1 4 | 11 32 | 1 9 | 20 4 | 1 31 | 23 39 | 0 22 | 17 43 | 1 39 | 15 33 | 17 3 | 21 2 | 20 48 | 20 25 | 5 10 | 5 5 |
| S 20 | 23 31 | 3 50 | 3 44 | 22 8 | 0 29 | 17 10 | 1 18 | 23 35 | 1 4 | 11 35 | 1 9 | 20 5 | 1 31 | 23 38 | 0 22 | 17 43 | 1 40 | 15 33 | 17 3 | 21 2 | 20 48 | 20 27 | 5 9 | 5 5 |
| M21 | 23 29 | 1n40 | 4 27 | 22 25 | 0 21 | 16 55 | 1 31 | 23 30 | 1 4 | 11 38 | 1 9 | 20 6 | 1 31 | 23 38 | 0 22 | 17 44 | 1 40 | 15 34 | 17 4 | 21 1 | 20 49 | 20 29 | 5 9 | 5 4 |
| T 22 | 23 26 | 6 59 | 4 56 | 22 42 | 0 13 | 16 40 | 1 44 | 23 24 | 1 4 | 11 41 | 1 10 | 20 7 | 1 31 | 23 38 | 0 22 | 17 44 | 1 40 | 15 34 | 17 5 | 21 1 | 20 50 | 20 31 | 5 8 | 5 4 |
| W23 | 23 23 | 11 58 | 5 12 | 22 58 | 0 6 | 16 25 | 1 57 | 23 17 | 1 4 | 11 44 | 1 10 | 20 8 | 1 31 | 23 38 | 0 22 | 17 45 | 1 40 | 15 35 | 17 5 | 21 1 | 20 50 | 20 33 | 5 7 | 5 4 |
| T 24 | 23 19 | 16 27 | 5 15 | 23 12 | 0s 2 | 16 11 | 2 11 | 23 10 | 1 4 | 11 47 | 1 10 | 20 9 | 1 31 | 23 37 | 0 22 | 17 45 | 1 40 | 15 35 | 17 6 | 21 2 | 20 51 | 20 34 | 5 7 | 5 3 |
| F 25 | 23 16 | 20 18 | 5 3 | 23 26 | 0 9 | 15 56 | 2 25 | 23 3 | 1 4 | 11 49 | 1 10 | 20 10 | 1 31 | 23 37 | 0 22 | 17 45 | 1 40 | 15 36 | 17 6 | 21 2 | 20 51 | 20 36 | 5 6 | 5 3 |
| S 26 | 23 11 | 23 20 | 4 39 | 23 39 | 0 17 | 15 43 | 2 40 | 22 56 | 1 5 | 11 52 | 1 10 | 20 11 | 1 31 | 23 37 | 0 22 | 17 46 | 1 40 | 15 36 | 17 7 | 21 2 | 20 52 | 20 38 | 5 6 | 5 3 |
| S 27 | 23 6 | 25 22 | 4 3 | 23 50 | 0 24 | 15 30 | 2 54 | 22 49 | 1 5 | 11 55 | 1 10 | 20 12 | 1 31 | 23 37 | 0 22 | 17 46 | 1 40 | 15 37 | 17 8 | 21 3 | 20 53 | 20 40 | 5 5 | 5 3 |
| M28 | 23 1 | 26 16 | 3 15 | 24 1 | 0 31 | 15 17 | 3 9 | 22 41 | 1 5 | 11 58 | 1 10 | 20 13 | 1 31 | 23 36 | 0 22 | 17 47 | 1 40 | 15 37 | 17 8 | 21 3 | 20 53 | 20 42 | 5 4 | 5 2 |
| T 29 | 22 55 | 25 52 | 2 18 | 24 10 | 0 38 | 15 4 | 3 24 | 22 33 | 1 5 | 12 0 | 1 10 | 20 14 | 1 31 | 23 36 | 0 22 | 17 47 | 1 40 | 15 38 | 17 9 | 21 4 | 20 54 | 20 44 | 5 4 | 5 2 |
| W30 | 22 49 | 24 11 | 1 13 | 24 18 | 0 44 | 14 53 | 3 39 | 22 25 | 1 5 | 12 3 | 1 11 | 20 15 | 1 31 | 23 36 | 0 22 | 17 47 | 1 40 | 15 38 | 17 9 | 21 4 | 20 55 | 20 46 | 5 3 | 5 2 |
| T 31 | 22s42 | 21n15 | 0n 4 | 24s25 | 0s51 | 14s41 | 3n54 | 22s16 | 1s 5 | 12s 6 | 1n11 | 20s16 | 1n31 | 23s36 | 0s22 | 17s48 | 1n40 | 15n39 | 17n10 | 21s 4 | 20s55 | 20n47 | 5s 2 | 5n 2 |

Julian Day Number = 2081163.5, Delta T = 25m34s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'24, Lahiri = 9°43'24 Julian Calendar 1 Dec. 985 == Greg. Calendar 6 Dec. 985


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## JANUARY 986 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 2 5 | 16♑12'32 | 8♌12 | 1♑35 | 7°R22 | 26♑ 2 | 4♏58 | 8♐ 6 | 9♑38 | 26♏15 | 0°R 7 | 26♑ 0 | 26♑43 | 14♉ 2 | 5♓ 5 | F 1 |
| S 2 | 7 6 2 | 17°13'35 | 21°18 | 3° 6 | 7♒ 3 | 26°49 | 5° 6 | 8°12 | 9°42 | 26°16 | 0♎ 7 | 26° 0 | 26°40 | 14° 8 | 5° 8 | S 2 |
| S 3 | 7 9 58 | 18°14'37 | 4♍37 | 4°38 | 6°43 | 27°36 | 5°13 | 8°18 | 9°46 | 26°18 | 0° 7 | 26° 1 | 26°36 | 14°15 | 5°10 | S 3 |
| M 4 | 7 13 55 | 19°15'38 | 18° 9 | 6°11 | 6°20 | 28°24 | 5°21 | 8°24 | 9°49 | 26°19 | 0° 7 | 26° 2 | 26°33 | 14°22 | 5°13 | M 4 |
| T 5 | 7 17 51 | 20°16'39 | 1♎54 | 7°45 | 5°55 | 29°11 | 5°28 | 8°30 | 9°53 | 26°21 | 0° 6 | 26° 3 | 26°30 | 14°29 | 5°16 | T 5 |
| W 6 | 7 21 48 | 21°17'39 | 15°50 | 9°19 | 5°27 | 29°58 | 5°35 | 8°36 | 9°56 | 26°22 | 0° 6 | 26°R 3 | 26°27 | 14°35 | 5°19 | W 6 |
| T 7 | 7 25 44 | 22°18'39 | 29°57 | 10°54 | 4°58 | 0♒46 | 5°42 | 8°41 | 10° 0 | 26°24 | 0° 6 | 26° 3 | 26°24 | 14°42 | 5°22 | T 7 |
| F 8 | 7 29 41 | 23°19'38 | 14♏14 | 12°29 | 4°27 | 1°33 | 5°49 | 8°47 | 10° 3 | 26°25 | 0° 5 | 26° 3 | 26°21 | 14°49 | 5°25 | F 8 |
| S 9 | 7 33 38 | 24°20'36 | 28°37 | 14° 5 | 3°55 | 2°21 | 5°56 | 8°53 | 10° 7 | 26°27 | 0° 5 | 26° 2 | 26°17 | 14°55 | 5°28 | S 9 |
| S 10 | 7 37 34 | 25°21'34 | 13♐ 2 | 15°42 | 3°21 | 3° 8 | 6° 3 | 8°58 | 10°10 | 26°28 | 0° 5 | 26° 2 | 26°14 | 15° 2 | 5°31 | S 10 |
| M11 | 7 41 31 | 26°22'31 | 27°27 | 17°19 | 2°46 | 3°56 | 6° 9 | 9° 4 | 10°14 | 26°29 | 0° 4 | 26°D 2 | 26°11 | 15° 9 | 5°34 | M11 |
| T 12 | 7 45 27 | 27°23'26 | 11♑44 | 18°57 | 2°10 | 4°43 | 6°16 | 9°10 | 10°17 | 26°31 | 0° 4 | 26° 2 | 26° 8 | 15°16 | 5°37 | T 12 |
| W13 | 7 49 24 | 28°24'21 | 25°50 | 20°36 | 1°34 | 5°30 | 6°22 | 9°15 | 10°20 | 26°32 | 0° 3 | 26°R 2 | 26° 5 | 15°22 | 5°40 | W13 |
| T 14 | 7 53 20 | 29°25'15 | 9♒41 | 22°16 | 0°57 | 6°18 | 6°28 | 9°20 | 10°24 | 26°33 | 0° 2 | 26° 2 | 26° 1 | 15°29 | 5°43 | T 14 |
| F 15 | 7 57 17 | 0♒26'07 | 23°12 | 23°56 | 0°20 | 7° 5 | 6°34 | 9°26 | 10°27 | 26°35 | 0° 2 | 26° 2 | 25°58 | 15°36 | 5°46 | F 15 |
| S 16 | 8 1 13 | 1°26'57 | 6♓23 | 25°37 | 29♑42 | 7°53 | 6°40 | 9°31 | 10°31 | 26°36 | 0° 1 | 26° 1 | 25°55 | 15°42 | 5°49 | S 16 |
| S 17 | 8 5 10 | 2°27'47 | 19°13 | 27°19 | 29° 6 | 8°40 | 6°45 | 9°36 | 10°34 | 26°37 | 0° 1 | 26° 1 | 25°52 | 15°49 | 5°52 | S 17 |
| M18 | 8 9 7 | 3°28'34 | 1♈45 | 29° 1 | 28°29 | 9°28 | 6°51 | 9°41 | 10°37 | 26°38 | 29♍59 | 26° 0 | 25°49 | 15°56 | 5°55 | M18 |
| T 19 | 8 13 3 | 4°29'20 | 14° 1 | 0♒45 | 27°54 | 10°15 | 6°56 | 9°46 | 10°41 | 26°39 | 29°59 | 25°59 | 25°46 | 16° 3 | 5°59 | T 19 |
| W20 | 8 17 0 | 5°30'05 | 26° 4 | 2°29 | 27°19 | 11° 3 | 7° 1 | 9°51 | 10°44 | 26°40 | 29°58 | 25°58 | 25°42 | 16° 9 | 6° 2 | W20 |
| T 21 | 8 20 56 | 6°30'48 | 7♉59 | 4°14 | 26°46 | 11°50 | 7° 6 | 9°56 | 10°47 | 26°41 | 29°58 | 25°D58 | 25°39 | 16°16 | 6° 5 | T 21 |
| F 22 | 8 24 53 | 7°31'29 | 19°51 | 5°59 | 26°15 | 12°37 | 7°11 | 10° 1 | 10°51 | 26°42 | 29°57 | 25°58 | 25°36 | 16°23 | 6° 9 | F 22 |
| S 23 | 8 28 49 | 8°32'08 | 1♊44 | 7°46 | 25°45 | 13°25 | 7°15 | 10° 6 | 10°54 | 26°44 | 29°56 | 25°59 | 25°33 | 16°29 | 6°12 | S 23 |
| S 24 | 8 32 46 | 9°32'46 | 13°44 | 9°33 | 25°17 | 14°12 | 7°20 | 10°10 | 10°57 | 26°44 | 29°55 | 26° 0 | 25°30 | 16°36 | 6°15 | S 24 |
| M25 | 8 36 42 | 10°33'22 | 25°53 | 11°22 | 24°50 | 15° 0 | 7°24 | 10°15 | 11° 0 | 26°45 | 29°54 | 26° 2 | 25°27 | 16°43 | 6°19 | M25 |
| T 26 | 8 40 39 | 11°33'57 | 8♋17 | 13°11 | 24°26 | 15°47 | 7°28 | 10°20 | 11° 4 | 26°46 | 29°53 | 26° 3 | 25°23 | 16°50 | 6°22 | T 26 |
| W27 | 8 44 36 | 12°34'29 | 20°57 | 15° 0 | 24° 4 | 16°34 | 7°32 | 10°24 | 11° 7 | 26°47 | 29°52 | 26°R 4 | 25°20 | 16°56 | 6°25 | W27 |
| T 28 | 8 48 32 | 13°35'00 | 3♌54 | 16°51 | 23°45 | 17°22 | 7°36 | 10°28 | 11°10 | 26°48 | 29°51 | 26° 4 | 25°17 | 17° 3 | 6°29 | T 28 |
| F 29 | 8 52 29 | 14°35'30 | 17°10 | 18°42 | 23°28 | 18° 9 | 7°39 | 10°33 | 11°13 | 26°49 | 29°50 | 26° 3 | 25°14 | 17°10 | 6°32 | F 29 |
| S 30 | 8 56 25 | 15°35'57 | 0♍43 | 20°33 | 23°13 | 18°57 | 7°43 | 10°37 | 11°16 | 26°50 | 29°49 | 26° 1 | 25°11 | 17°16 | 6°36 | S 30 |
| S 31 | 9 0 22 | 16♒36'23 | 14♍30 | 22♒25 | 23♑ 1 | 19♒44 | 7♏46 | 10♐41 | 11♑19 | 26♏50 | 29♍48 | 25♑58 | 25♑ 7 | 17♉23 | 6♓39 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s35 | 17n14 | 1s 7 | 24s31 | 0s57 | 14s31 | 4n 9 | 22s 8 | 1s 5 | 12s 8 | 1n11 | 20s17 | 1n31 | 23s35 | 0s22 | 17s48 | 1n40 | 15n39 | 17n11 | 21s 4 | 20s56 | 20n49 | 5s 1 | 5n 1 |
| S 2 | 22 27 | 12 20 | 2 16 | 24 35 | 1 3 | 14 21 | 4 24 | 21 59 | 1 5 | 12 11 | 1 11 | 20 18 | 1 31 | 23 35 | 0 22 | 17 48 | 1 40 | 15 40 | 17 11 | 21 4 | 20 56 | 20 51 | 5 1 | 5 1 |
| S 3 | 22 19 | 6 48 | 3 18 | 24 38 | 1 9 | 14 11 | 4 39 | 21 49 | 1 5 | 12 13 | 1 11 | 20 19 | 1 31 | 23 35 | 0 22 | 17 49 | 1 40 | 15 40 | 17 12 | 21 4 | 20 57 | 20 53 | 5 0 | 5 1 |
| M 4 | 22 11 | 0 52 | 4 11 | 24 40 | 1 14 | 14 2 | 4 54 | 21 40 | 1 5 | 12 15 | 1 11 | 20 20 | 1 31 | 23 35 | 0 22 | 17 49 | 1 40 | 15 41 | 17 12 | 21 4 | 20 58 | 20 55 | 4 59 | 5 1 |
| T 5 | 22 2 | 5s11 | 4 49 | 24 40 | 1 20 | 13 54 | 5 9 | 21 30 | 1 5 | 12 18 | 1 12 | 20 21 | 1 31 | 23 34 | 0 22 | 17 49 | 1 40 | 15 42 | 17 13 | 21 3 | 20 58 | 20 56 | 4 58 | 5 0 |
| W 6 | 21 53 | 11 3 | 5 12 | 24 39 | 1 25 | 13 47 | 5 23 | 21 20 | 1 5 | 12 20 | 1 12 | 20 22 | 1 31 | 23 34 | 0 22 | 17 50 | 1 40 | 15 42 | 17 13 | 21 3 | 20 59 | 20 58 | 4 58 | 5 0 |
| T 7 | 21 43 | 16 27 | 5 16 | 24 37 | 1 30 | 13 40 | 5 37 | 21 10 | 1 5 | 12 22 | 1 12 | 20 22 | 1 31 | 23 34 | 0 22 | 17 50 | 1 40 | 15 43 | 17 14 | 21 3 | 20 59 | 21 0 | 4 57 | 5 0 |
| F 8 | 21 33 | 20 59 | 5 1 | 24 33 | 1 34 | 13 34 | 5 51 | 20 59 | 1 5 | 12 24 | 1 12 | 20 23 | 1 31 | 23 34 | 0 22 | 17 50 | 1 40 | 15 44 | 17 14 | 21 3 | 21 0 | 21 2 | 4 56 | 5 0 |
| S 9 | 21 22 | 24 18 | 4 27 | 24 27 | 1 38 | 13 29 | 6 4 | 20 48 | 1 5 | 12 26 | 1 12 | 20 24 | 1 31 | 23 33 | 0 22 | 17 50 | 1 40 | 15 44 | 17 15 | 21 3 | 21 1 | 21 3 | 4 55 | 5 0 |
| S 10 | 21 11 | 26 4 | 3 37 | 24 20 | 1 42 | 13 24 | 6 17 | 20 38 | 1 5 | 12 28 | 1 12 | 20 25 | 1 31 | 23 33 | 0 22 | 17 51 | 1 40 | 15 45 | 17 16 | 21 3 | 21 1 | 21 5 | 4 54 | 4 59 |
| M11 | 21 0 | 26 5 | 2 32 | 24 12 | 1 46 | 13 20 | 6 29 | 20 26 | 1 5 | 12 30 | 1 12 | 20 26 | 1 31 | 23 33 | 0 22 | 17 51 | 1 40 | 15 46 | 17 16 | 21 3 | 21 2 | 21 7 | 4 53 | 4 59 |
| T 12 | 20 48 | 24 21 | 1 19 | 24 2 | 1 49 | 13 16 | 6 41 | 20 15 | 1 5 | 12 32 | 1 13 | 20 27 | 1 31 | 23 33 | 0 22 | 17 51 | 1 40 | 15 46 | 17 17 | 21 3 | 21 2 | 21 9 | 4 52 | 4 59 |
| W13 | 20 36 | 21 7 | 0 1 | 23 50 | 1 52 | 13 14 | 6 51 | 20 3 | 1 5 | 12 34 | 1 13 | 20 27 | 1 31 | 23 32 | 0 22 | 17 52 | 1 40 | 15 47 | 17 17 | 21 3 | 21 3 | 21 10 | 4 51 | 4 59 |
| T 14 | 20 23 | 16 43 | 1n15 | 23 37 | 1 55 | 13 12 | 7 1 | 19 51 | 1 5 | 12 36 | 1 13 | 20 28 | 1 31 | 23 32 | 0 22 | 17 52 | 1 40 | 15 48 | 17 18 | 21 3 | 21 4 | 21 12 | 4 50 | 4 59 |
| F 15 | 20 10 | 11 35 | 2 25 | 23 22 | 1 57 | 13 11 | 7 11 | 19 39 | 1 5 | 12 38 | 1 13 | 20 29 | 1 31 | 23 32 | 0 22 | 17 52 | 1 41 | 15 49 | 17 18 | 21 4 | 21 4 | 21 14 | 4 49 | 4 58 |
| S 16 | 19 57 | 6 2 | 3 26 | 23 6 | 1 59 | 13 10 | 7 19 | 19 27 | 1 5 | 12 40 | 1 13 | 20 30 | 1 31 | 23 32 | 0 22 | 17 52 | 1 41 | 15 49 | 17 19 | 21 4 | 21 5 | 21 16 | 4 48 | 4 58 |
| S 17 | 19 43 | 0 24 | 4 14 | 22 47 | 2 1 | 13 10 | 7 27 | 19 15 | 1 5 | 12 41 | 1 13 | 20 30 | 1 32 | 23 31 | 0 22 | 17 53 | 1 41 | 15 50 | 17 19 | 21 4 | 21 5 | 21 17 | 4 47 | 4 58 |
| M18 | 19 29 | 5n 7 | 4 49 | 22 28 | 2 2 | 13 11 | 7 33 | 19 2 | 1 5 | 12 43 | 1 14 | 20 31 | 1 32 | 23 31 | 0 22 | 17 53 | 1 41 | 15 51 | 17 20 | 21 4 | 21 6 | 21 19 | 4 46 | 4 58 |
| T 19 | 19 15 | 10 18 | 5 10 | 22 6 | 2 3 | 13 12 | 7 39 | 18 49 | 1 5 | 12 44 | 1 14 | 20 32 | 1 32 | 23 31 | 0 23 | 17 53 | 1 41 | 15 52 | 17 20 | 21 4 | 21 7 | 21 21 | 4 45 | 4 58 |
| W20 | 19 0 | 15 2 | 5 17 | 21 43 | 2 4 | 13 14 | 7 44 | 18 36 | 1 5 | 12 46 | 1 14 | 20 32 | 1 32 | 23 31 | 0 23 | 17 53 | 1 41 | 15 52 | 17 21 | 21 4 | 21 7 | 21 22 | 4 44 | 4 57 |
| T 21 | 18 45 | 19 7 | 5 10 | 21 18 | 2 4 | 13 16 | 7 48 | 18 23 | 1 5 | 12 47 | 1 14 | 20 33 | 1 32 | 23 30 | 0 23 | 17 53 | 1 41 | 15 53 | 17 21 | 21 4 | 21 8 | 21 24 | 4 43 | 4 57 |
| F 22 | 18 29 | 22 26 | 4 50 | 20 52 | 2 3 | 13 19 | 7 51 | 18 9 | 1 5 | 12 49 | 1 14 | 20 34 | 1 32 | 23 30 | 0 23 | 17 54 | 1 41 | 15 54 | 17 22 | 21 4 | 21 8 | 21 26 | 4 42 | 4 57 |
| S 23 | 18 14 | 24 49 | 4 17 | 20 24 | 2 2 | 13 22 | 7 53 | 17 55 | 1 5 | 12 50 | 1 15 | 20 34 | 1 32 | 23 30 | 0 23 | 17 54 | 1 41 | 15 55 | 17 22 | 21 4 | 21 9 | 21 27 | 4 41 | 4 57 |
| S 24 | 17 58 | 26 6 | 3 33 | 19 54 | 2 1 | 13 25 | 7 54 | 17 42 | 1 5 | 12 51 | 1 15 | 20 35 | 1 32 | 23 30 | 0 23 | 17 54 | 1 41 | 15 55 | 17 23 | 21 4 | 21 10 | 21 29 | 4 40 | 4 57 |
| M25 | 17 41 | 26 10 | 2 39 | 19 22 | 1 59 | 13 30 | 7 55 | 17 27 | 1 5 | 12 53 | 1 15 | 20 35 | 1 32 | 23 29 | 0 23 | 17 54 | 1 41 | 15 56 | 17 23 | 21 4 | 21 10 | 21 31 | 4 39 | 4 57 |
| T 26 | 17 25 | 24 55 | 1 37 | 18 49 | 1 57 | 13 34 | 7 54 | 17 13 | 1 5 | 12 54 | 1 15 | 20 36 | 1 32 | 23 29 | 0 23 | 17 54 | 1 41 | 15 57 | 17 24 | 21 3 | 21 11 | 21 32 | 4 38 | 4 56 |
| W27 | 17 8 | 22 24 | 0 28 | 18 14 | 1 54 | 13 39 | 7 53 | 16 59 | 1 5 | 12 55 | 1 15 | 20 37 | 1 32 | 23 29 | 0 23 | 17 54 | 1 41 | 15 58 | 17 24 | 21 3 | 21 11 | 21 34 | 4 37 | 4 56 |
| T 28 | 16 50 | 18 41 | 0s43 | 17 37 | 1 50 | 13 44 | 7 51 | 16 44 | 1 4 | 12 56 | 1 15 | 20 37 | 1 32 | 23 29 | 0 23 | 17 55 | 1 41 | 15 59 | 17 25 | 21 3 | 21 12 | 21 36 | 4 36 | 4 56 |
| F 29 | 16 33 | 13 58 | 1 54 | 16 59 | 1 46 | 13 49 | 7 49 | 16 30 | 1 4 | 12 57 | 1 16 | 20 38 | 1 32 | 23 28 | 0 23 | 17 55 | 1 41 | 15 59 | 17 25 | 21 3 | 21 12 | 21 37 | 4 35 | 4 56 |
| S 30 | 16 15 | 8 29 | 3 0 | 16 19 | 1 42 | 13 54 | 7 46 | 16 15 | 1 4 | 12 58 | 1 16 | 20 38 | 1 32 | 23 28 | 0 23 | 17 55 | 1 41 | 16 0 | 17 26 | 21 4 | 21 13 | 21 39 | 4 33 | 4 56 |
| S 31 | 15s57 | 2n31 | 3s56 | 15s38 | 1s36 | 14s 0 | 7n42 | 16s 0 | 1s 4 | 12s59 | 1n16 | 20s39 | 1n32 | 23s28 | 0s23 | 17s55 | 1n41 | 16n 1 | 17n26 | 21s 4 | 21s14 | 21n41 | 4s32 | 4n56 |

Julian Day Number = 2081194.5, Delta T = 25m33s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'28, Lahiri = 9°43'29 Julian Calendar 1 Jan. 986 == Greg. Calendar 6 Jan. 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## FEBRUARY 986 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 4 18 | 17♒36'48 | 28♍29 | 24♒18 | 22°R51 | 20♒31 | 7♏49 | 10♐45 | 11♑22 | 26♏51 | 29°R47 | 25°R55 | 25♑ 4 | 17♉30 | 6♓43 | M 1 |
| T 2 | 9 8 15 | 18°37'10 | 12♎35 | 26°11 | 22♑44 | 21°19 | 7°52 | 10°49 | 11°25 | 26°52 | 29♍46 | 25♑52 | 25° 1 | 17°37 | 6°46 | T 2 |
| W 3 | 9 12 11 | 19°37'32 | 26°47 | 28° 4 | 22°39 | 22° 6 | 7°54 | 10°53 | 11°28 | 26°52 | 29°45 | 25°49 | 24°58 | 17°43 | 6°50 | W 3 |
| T 4 | 9 16 8 | 20°37'52 | 11♏ 0 | 29°56 | 22°D37 | 22°53 | 7°57 | 10°57 | 11°31 | 26°53 | 29°44 | 25°48 | 24°55 | 17°50 | 6°53 | T 4 |
| F 5 | 9 20 5 | 21°38'11 | 25°11 | 1♓49 | 22°37 | 23°40 | 7°59 | 11° 1 | 11°34 | 26°54 | 29°42 | 25°D47 | 24°52 | 17°57 | 6°57 | F 5 |
| S 6 | 9 24 1 | 22°38'28 | 9♐19 | 3°41 | 22°40 | 24°28 | 8° 1 | 11° 5 | 11°37 | 26°54 | 29°41 | 25°48 | 24°48 | 18° 3 | 7° 1 | S 6 |
| S 7 | 9 27 58 | 23°38'44 | 23°22 | 5°32 | 22°45 | 25°15 | 8° 3 | 11° 8 | 11°40 | 26°55 | 29°40 | 25°50 | 24°45 | 18°10 | 7° 4 | S 7 |
| M 8 | 9 31 54 | 24°38'58 | 7♑18 | 7°21 | 22°52 | 26° 2 | 8° 5 | 11°12 | 11°43 | 26°55 | 29°39 | 25°51 | 24°42 | 18°17 | 7° 8 | M 8 |
| T 9 | 9 35 51 | 25°39'11 | 21° 6 | 9° 9 | 23° 1 | 26°49 | 8° 7 | 11°15 | 11°46 | 26°56 | 29°37 | 25°R52 | 24°39 | 18°24 | 7°11 | T 9 |
| W10 | 9 39 47 | 26°39'21 | 4♒45 | 10°55 | 23°13 | 27°37 | 8° 8 | 11°19 | 11°48 | 26°56 | 29°36 | 25°52 | 24°36 | 18°30 | 7°15 | W10 |
| T 11 | 9 43 44 | 27°39'31 | 18°11 | 12°39 | 23°27 | 28°24 | 8° 9 | 11°22 | 11°51 | 26°56 | 29°35 | 25°50 | 24°33 | 18°37 | 7°19 | T 11 |
| F 12 | 9 47 40 | 28°39'38 | 1♓25 | 14°19 | 23°43 | 29°11 | 8°10 | 11°25 | 11°54 | 26°57 | 29°33 | 25°47 | 24°29 | 18°44 | 7°22 | F 12 |
| S 13 | 9 51 37 | 29°39'43 | 14°23 | 15°56 | 24° 1 | 29°58 | 8°11 | 11°28 | 11°56 | 26°57 | 29°32 | 25°42 | 24°26 | 18°50 | 7°26 | S 13 |
| S 14 | 9 55 34 | 0♓39'46 | 27° 7 | 17°29 | 24°20 | 0♓45 | 8°12 | 11°31 | 11°59 | 26°57 | 29°30 | 25°35 | 24°23 | 18°57 | 7°30 | S 14 |
| M15 | 9 59 30 | 1°39'47 | 9♈35 | 18°58 | 24°42 | 1°32 | 8°12 | 11°34 | 12° 2 | 26°58 | 29°29 | 25°29 | 24°20 | 19° 4 | 7°33 | M15 |
| T 16 | 10 3 27 | 2°39'46 | 21°49 | 20°21 | 25° 6 | 2°19 | 8°13 | 11°37 | 12° 4 | 26°58 | 29°28 | 25°23 | 24°17 | 19°11 | 7°37 | T 16 |
| W17 | 10 7 23 | 3°39'43 | 3♉53 | 21°38 | 25°31 | 3° 6 | 8°R13 | 11°39 | 12° 7 | 26°58 | 29°26 | 25°17 | 24°13 | 19°17 | 7°41 | W17 |
| T 18 | 10 11 20 | 4°39'38 | 15°48 | 22°49 | 25°58 | 3°54 | 8°13 | 11°42 | 12° 9 | 26°58 | 29°25 | 25°14 | 24°10 | 19°24 | 7°44 | T 18 |
| F 19 | 10 15 16 | 5°39'30 | 27°39 | 23°53 | 26°26 | 4°41 | 8°12 | 11°45 | 12°12 | 26°58 | 29°23 | 25°12 | 24° 7 | 19°31 | 7°48 | F 19 |
| S 20 | 10 19 13 | 6°39'21 | 9♊32 | 24°51 | 26°56 | 5°27 | 8°12 | 11°47 | 12°14 | 26°58 | 29°22 | 25°D11 | 24° 4 | 19°37 | 7°52 | S 20 |
| S 21 | 10 23 9 | 7°39'09 | 21°30 | 25°40 | 27°27 | 6°14 | 8°11 | 11°49 | 12°17 | 26°58 | 29°20 | 25°12 | 24° 1 | 19°44 | 7°55 | S 21 |
| M22 | 10 27 6 | 8°38'54 | 3♋39 | 26°22 | 28° 0 | 7° 1 | 8°10 | 11°52 | 12°19 | 26°R58 | 29°19 | 25°14 | 23°58 | 19°51 | 7°59 | M22 |
| T 23 | 10 31 3 | 9°38'38 | 16° 4 | 26°56 | 28°35 | 7°48 | 8° 9 | 11°54 | 12°21 | 26°58 | 29°17 | 25°15 | 23°54 | 19°58 | 8° 3 | T 23 |
| W24 | 10 34 59 | 10°38'19 | 28°49 | 27°21 | 29°10 | 8°35 | 8° 8 | 11°56 | 12°24 | 26°58 | 29°16 | 25°R15 | 23°51 | 20° 4 | 8° 6 | W24 |
| T 25 | 10 38 56 | 11°37'58 | 11♌57 | 27°38 | 29°47 | 9°22 | 8° 7 | 11°58 | 12°26 | 26°58 | 29°14 | 25°14 | 23°48 | 20°11 | 8°10 | T 25 |
| F 26 | 10 42 52 | 12°37'35 | 25°28 | 27°47 | 0♒25 | 10° 9 | 8° 5 | 12° 0 | 12°28 | 26°58 | 29°12 | 25°10 | 23°45 | 20°18 | 8°14 | F 26 |
| S 27 | 10 46 49 | 13°37'09 | 9♍23 | 27°R47 | 1° 4 | 10°55 | 8° 3 | 12° 2 | 12°30 | 26°58 | 29°11 | 25° 5 | 23°42 | 20°24 | 8°17 | S 27 |
| S 28 | 10 50 45 | 14♓36'42 | 23♍37 | 27♓39 | 1♒45 | 11♓42 | 8♏ 1 | 12♐ 3 | 12♑32 | 26♏58 | 29♍ 9 | 24♑58 | 23♑38 | 20♉31 | 8♓21 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 15s38 | 3s39 | 4s39 | 14s55 | 1s31 | 14s 6 | 7n38 | 15s44 | 1s 4 | 13s 0 | 1n16 | 20s39 | 1n33 | 23s28 | 0s23 | 17s55 | 1n41 | 16n 2 | 17n26 | 21s 5 | 21s14 | 21n42 | 4s31 | 4n56 | M 1 |
| T 2 | 15 20 | 9 41 | 5 6 | 14 11 | 1 24 | 14 12 | 7 33 | 15 29 | 1 4 | 13 0 | 1 16 | 20 40 | 1 33 | 23 27 | 0 23 | 17 55 | 1 41 | 16 3 | 17 27 | 21 5 | 21 15 | 21 44 | 4 30 | 4 55 | T 2 |
| W 3 | 15 1 | 15 15 | 5 14 | 13 25 | 1 17 | 14 18 | 7 28 | 15 13 | 1 4 | 13 1 | 1 17 | 20 40 | 1 33 | 23 27 | 0 23 | 17 55 | 1 41 | 16 4 | 17 27 | 21 6 | 21 15 | 21 46 | 4 29 | 4 55 | W 3 |
| T 4 | 14 42 | 20 0 | 5 3 | 12 38 | 1 9 | 14 24 | 7 22 | 14 58 | 1 3 | 13 2 | 1 17 | 20 41 | 1 33 | 23 27 | 0 23 | 17 55 | 1 42 | 16 4 | 17 28 | 21 6 | 21 16 | 21 47 | 4 28 | 4 55 | T 4 |
| F 5 | 14 22 | 23 36 | 4 34 | 11 50 | 1 1 | 14 30 | 7 16 | 14 42 | 1 3 | 13 2 | 1 17 | 20 41 | 1 33 | 23 27 | 0 23 | 17 55 | 1 42 | 16 5 | 17 28 | 21 6 | 21 16 | 21 49 | 4 26 | 4 55 | F 5 |
| S 6 | 14 3 | 25 44 | 3 48 | 11 1 | 0 52 | 14 35 | 7 10 | 14 26 | 1 3 | 13 3 | 1 17 | 20 42 | 1 33 | 23 26 | 0 23 | 17 56 | 1 42 | 16 6 | 17 29 | 21 6 | 21 17 | 21 50 | 4 25 | 4 55 | S 6 |
| S 7 | 13 43 | 26 13 | 2 49 | 10 11 | 0 42 | 14 41 | 7 3 | 14 10 | 1 3 | 13 3 | 1 17 | 20 42 | 1 33 | 23 26 | 0 23 | 17 56 | 1 42 | 16 7 | 17 29 | 21 6 | 21 18 | 21 52 | 4 24 | 4 55 | S 7 |
| M 8 | 13 23 | 25 2 | 1 40 | 9 21 | 0 31 | 14 47 | 6 56 | 13 53 | 1 3 | 13 4 | 1 17 | 20 42 | 1 33 | 23 26 | 0 23 | 17 56 | 1 42 | 16 8 | 17 29 | 21 6 | 21 18 | 21 54 | 4 23 | 4 55 | M 8 |
| T 9 | 13 2 | 22 20 | 0 26 | 8 30 | 0 20 | 14 53 | 6 49 | 13 37 | 1 2 | 13 4 | 1 18 | 20 43 | 1 33 | 23 26 | 0 23 | 17 56 | 1 42 | 16 9 | 17 30 | 21 5 | 21 19 | 21 55 | 4 21 | 4 55 | T 9 |
| W10 | 12 42 | 18 24 | 0n48 | 7 39 | 0 9 | 14 58 | 6 41 | 13 21 | 1 2 | 13 4 | 1 18 | 20 43 | 1 33 | 23 25 | 0 23 | 17 56 | 1 42 | 16 9 | 17 30 | 21 5 | 21 19 | 21 57 | 4 20 | 4 55 | W10 |
| T 11 | 12 21 | 13 34 | 1 59 | 6 48 | 0n 3 | 15 4 | 6 33 | 13 4 | 1 2 | 13 4 | 1 18 | 20 44 | 1 33 | 23 25 | 0 23 | 17 56 | 1 42 | 16 10 | 17 30 | 21 6 | 21 20 | 21 58 | 4 19 | 4 55 | T 11 |
| F 12 | 12 0 | 8 12 | 3 2 | 5 58 | 0 16 | 15 9 | 6 25 | 12 47 | 1 2 | 13 5 | 1 18 | 20 44 | 1 33 | 23 25 | 0 23 | 17 56 | 1 42 | 16 11 | 17 31 | 21 6 | 21 20 | 22 0 | 4 18 | 4 54 | F 12 |
| S 13 | 11 39 | 2 35 | 3 54 | 5 8 | 0 29 | 15 14 | 6 17 | 12 30 | 1 2 | 13 5 | 1 18 | 20 44 | 1 34 | 23 25 | 0 23 | 17 56 | 1 42 | 16 12 | 17 31 | 21 7 | 21 21 | 22 1 | 4 16 | 4 54 | S 13 |
| S 14 | 11 18 | 3n 1 | 4 33 | 4 19 | 0 42 | 15 18 | 6 9 | 12 13 | 1 1 | 13 5 | 1 19 | 20 45 | 1 34 | 23 25 | 0 23 | 17 56 | 1 42 | 16 13 | 17 31 | 21 8 | 21 22 | 22 3 | 4 15 | 4 54 | S 14 |
| M15 | 10 57 | 8 23 | 4 59 | 3 32 | 0 56 | 15 23 | 6 1 | 11 56 | 1 1 | 13 5 | 1 19 | 20 45 | 1 34 | 23 24 | 0 23 | 17 56 | 1 42 | 16 14 | 17 32 | 21 10 | 21 22 | 22 4 | 4 14 | 4 54 | M15 |
| T 16 | 10 35 | 13 20 | 5 10 | 2 47 | 1 10 | 15 27 | 5 53 | 11 39 | 1 1 | 13 5 | 1 19 | 20 45 | 1 34 | 23 24 | 0 23 | 17 56 | 1 42 | 16 15 | 17 32 | 21 11 | 21 23 | 22 6 | 4 13 | 4 54 | T 16 |
| W17 | 10 13 | 17 41 | 5 7 | 2 3 | 1 24 | 15 31 | 5 44 | 11 22 | 1 1 | 13 5 | 1 19 | 20 45 | 1 34 | 23 24 | 0 23 | 17 56 | 1 42 | 16 15 | 17 32 | 21 12 | 21 23 | 22 8 | 4 11 | 4 54 | W17 |
| T 18 | 9 51 | 21 17 | 4 51 | 1 22 | 1 38 | 15 34 | 5 36 | 11 4 | 1 0 | 13 4 | 1 19 | 20 46 | 1 34 | 23 24 | 0 23 | 17 56 | 1 42 | 16 16 | 17 33 | 21 12 | 21 24 | 22 9 | 4 10 | 4 54 | T 18 |
| F 19 | 9 29 | 24 0 | 4 22 | 0 44 | 1 52 | 15 38 | 5 27 | 10 47 | 1 0 | 13 4 | 1 19 | 20 46 | 1 34 | 23 24 | 0 23 | 17 56 | 1 42 | 16 17 | 17 33 | 21 13 | 21 24 | 22 11 | 4 9 | 4 54 | F 19 |
| S 20 | 9 7 | 25 40 | 3 42 | 0 9 | 2 5 | 15 41 | 5 19 | 10 29 | 1 0 | 13 4 | 1 20 | 20 46 | 1 34 | 23 23 | 0 23 | 17 56 | 1 42 | 16 18 | 17 33 | 21 13 | 21 25 | 22 12 | 4 7 | 4 54 | S 20 |
| S 21 | 8 45 | 26 10 | 2 53 | 0n23 | 2 18 | 15 43 | 5 10 | 10 12 | 1 0 | 13 3 | 1 20 | 20 46 | 1 34 | 23 23 | 0 23 | 17 56 | 1 42 | 16 19 | 17 33 | 21 13 | 21 26 | 22 14 | 4 6 | 4 54 | S 21 |
| M22 | 8 22 | 25 26 | 1 54 | 0 51 | 2 31 | 15 45 | 5 1 | 9 54 | 0 59 | 13 3 | 1 20 | 20 47 | 1 34 | 23 23 | 0 23 | 17 56 | 1 42 | 16 20 | 17 34 | 21 12 | 21 26 | 22 15 | 4 5 | 4 54 | M22 |
| T 23 | 8 0 | 23 25 | 0 50 | 1 15 | 2 42 | 15 47 | 4 53 | 9 36 | 0 59 | 13 2 | 1 20 | 20 47 | 1 34 | 23 23 | 0 23 | 17 56 | 1 43 | 16 20 | 17 34 | 21 12 | 21 27 | 22 17 | 4 3 | 4 54 | T 23 |
| W24 | 7 37 | 20 12 | 0s19 | 1 35 | 2 53 | 15 48 | 4 44 | 9 18 | 0 59 | 13 2 | 1 20 | 20 47 | 1 35 | 23 23 | 0 23 | 17 56 | 1 43 | 16 21 | 17 34 | 21 12 | 21 27 | 22 18 | 4 2 | 4 54 | W24 |
| T 25 | 7 14 | 15 53 | 1 29 | 1 51 | 3 3 | 15 49 | 4 35 | 9 0 | 0 58 | 13 1 | 1 20 | 20 47 | 1 35 | 23 22 | 0 23 | 17 55 | 1 43 | 16 22 | 17 34 | 21 12 | 21 28 | 22 19 | 4 1 | 4 54 | T 25 |
| F 26 | 6 51 | 10 40 | 2 36 | 2 3 | 3 12 | 15 50 | 4 27 | 8 42 | 0 58 | 13 1 | 1 21 | 20 47 | 1 35 | 23 22 | 0 23 | 17 55 | 1 43 | 16 23 | 17 34 | 21 13 | 21 28 | 22 21 | 3 59 | 4 54 | F 26 |
| S 27 | 6 29 | 4 47 | 3 35 | 2 10 | 3 20 | 15 50 | 4 18 | 8 24 | 0 58 | 13 0 | 1 21 | 20 47 | 1 35 | 23 22 | 0 23 | 17 55 | 1 43 | 16 24 | 17 35 | 21 14 | 21 29 | 22 22 | 3 58 | 4 54 | S 27 |
| S 28 | 6s 6 | 1s27 | 4s22 | 2n13 | 3n26 | 15s49 | 4n10 | 8s 6 | 0s57 | 12s59 | 1n21 | 20s48 | 1n35 | 23s22 | 0s23 | 17s55 | 1n43 | 16n24 | 17n35 | 21s15 | 21s29 | 22n24 | 3s57 | 4n54 | S 28 |

Julian Day Number = 2081225.5, Delta T = 25m33s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'33, Lahiri = 9°43'33 Julian Calendar 1 Feb. 986 == Greg. Calendar 6 Feb. 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## MARCH 986 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 54 42 | 15♓36'12 | 8♎ 5 | 27°R24 | 2♒26 | 12♓29 | 7°R59 | 12♐ 5 | 12♑34 | 26°R58 | 29°R 8 | 24°R49 | 23♑35 | 20♉38 | 8♓25 | M 1 |
| T 2 | 10 58 38 | 16°35'40 | 22°41 | 27♓ 2 | 3° 9 | 13°16 | 7♏57 | 12° 6 | 12°36 | 26♏57 | 29♍ 6 | 24♑41 | 23°32 | 20°44 | 8°28 | T 2 |
| W 3 | 11 2 35 | 17°35'07 | 7♏17 | 26°32 | 3°53 | 14° 2 | 7°54 | 12° 8 | 12°38 | 26°57 | 29° 4 | 24°35 | 23°29 | 20°51 | 8°32 | W 3 |
| T 4 | 11 6 31 | 18°34'32 | 21°47 | 25°57 | 4°37 | 14°49 | 7°52 | 12° 9 | 12°40 | 26°57 | 29° 3 | 24°29 | 23°26 | 20°58 | 8°36 | T 4 |
| F 5 | 11 10 28 | 19°33'55 | 6♐ 8 | 25°17 | 5°23 | 15°35 | 7°49 | 12°10 | 12°42 | 26°56 | 29° 1 | 24°27 | 23°23 | 21° 5 | 8°39 | F 5 |
| S 6 | 11 14 25 | 20°33'16 | 20°15 | 24°32 | 6° 9 | 16°22 | 7°46 | 12°11 | 12°44 | 26°56 | 29° 0 | 24°D26 | 23°19 | 21°11 | 8°43 | S 6 |
| S 7 | 11 18 21 | 21°32'36 | 4♑ 8 | 23°45 | 6°56 | 17° 8 | 7°43 | 12°12 | 12°46 | 26°56 | 28°58 | 24°26 | 23°16 | 21°18 | 8°46 | S 7 |
| M 8 | 11 22 18 | 22°31'53 | 17°47 | 22°55 | 7°44 | 17°55 | 7°39 | 12°13 | 12°48 | 26°55 | 28°56 | 24°R27 | 23°13 | 21°25 | 8°50 | M 8 |
| T 9 | 11 26 14 | 23°31'09 | 1♒13 | 22° 4 | 8°33 | 18°41 | 7°36 | 12°14 | 12°49 | 26°55 | 28°55 | 24°27 | 23°10 | 21°31 | 8°54 | T 9 |
| W10 | 11 30 11 | 24°30'23 | 14°27 | 21°13 | 9°23 | 19°28 | 7°32 | 12°15 | 12°51 | 26°54 | 28°53 | 24°25 | 23° 7 | 21°38 | 8°57 | W10 |
| T 11 | 11 34 7 | 25°29'35 | 27°30 | 20°23 | 10°13 | 20°14 | 7°28 | 12°15 | 12°53 | 26°54 | 28°51 | 24°21 | 23° 4 | 21°45 | 9° 1 | T 11 |
| F 12 | 11 38 4 | 26°28'45 | 10♓22 | 19°35 | 11° 4 | 21° 0 | 7°24 | 12°16 | 12°54 | 26°53 | 28°50 | 24°14 | 23° 0 | 21°52 | 9° 4 | F 12 |
| S 13 | 11 42 0 | 27°27'53 | 23° 2 | 18°49 | 11°56 | 21°47 | 7°20 | 12°16 | 12°56 | 26°53 | 28°48 | 24° 4 | 22°57 | 21°58 | 9° 8 | S 13 |
| S 14 | 11 45 57 | 28°26'59 | 5♈32 | 18° 7 | 12°48 | 22°33 | 7°15 | 12°17 | 12°57 | 26°52 | 28°46 | 23°53 | 22°54 | 22° 5 | 9°11 | S 14 |
| M15 | 11 49 54 | 29°26'03 | 17°51 | 17°29 | 13°41 | 23°19 | 7°11 | 12°17 | 12°59 | 26°51 | 28°44 | 23°40 | 22°51 | 22°12 | 9°15 | M15 |
| T 16 | 11 53 50 | 0♈25'05 | 29°59 | 16°55 | 14°34 | 24° 5 | 7° 6 | 12°17 | 13° 0 | 26°51 | 28°43 | 23°28 | 22°48 | 22°18 | 9°18 | T 16 |
| W17 | 11 57 47 | 1°24'04 | 11♉59 | 16°27 | 15°28 | 24°51 | 7° 1 | 12°R17 | 13° 1 | 26°50 | 28°41 | 23°18 | 22°44 | 22°25 | 9°22 | W17 |
| T 18 | 12 1 43 | 2°23'02 | 23°52 | 16° 3 | 16°23 | 25°38 | 6°56 | 12°17 | 13° 3 | 26°49 | 28°39 | 23° 9 | 22°41 | 22°32 | 9°25 | T 18 |
| F 19 | 12 5 40 | 3°21'57 | 5♊42 | 15°45 | 17°18 | 26°24 | 6°51 | 12°17 | 13° 4 | 26°48 | 28°38 | 23° 3 | 22°38 | 22°38 | 9°29 | F 19 |
| S 20 | 12 9 36 | 4°20'50 | 17°32 | 15°32 | 18°14 | 27°10 | 6°46 | 12°16 | 13° 5 | 26°47 | 28°36 | 22°59 | 22°35 | 22°45 | 9°32 | S 20 |
| S 21 | 12 13 33 | 5°19'40 | 29°28 | 15°25 | 19°10 | 27°56 | 6°40 | 12°16 | 13° 6 | 26°47 | 28°34 | 22°58 | 22°32 | 22°52 | 9°35 | S 21 |
| M22 | 12 17 29 | 6°18'28 | 11♋35 | 15°D23 | 20° 6 | 28°41 | 6°34 | 12°16 | 13° 7 | 26°46 | 28°33 | 22°D58 | 22°29 | 22°59 | 9°39 | M22 |
| T 23 | 12 21 26 | 7°17'14 | 23°58 | 15°26 | 21° 3 | 29°27 | 6°29 | 12°15 | 13° 8 | 26°45 | 28°31 | 22°R58 | 22°25 | 23° 5 | 9°42 | T 23 |
| W24 | 12 25 23 | 8°15'58 | 6♌41 | 15°34 | 22° 1 | 0♈13 | 6°23 | 12°14 | 13° 9 | 26°44 | 28°30 | 22°58 | 22°22 | 23°12 | 9°45 | W24 |
| T 25 | 12 29 19 | 9°14'39 | 19°51 | 15°48 | 22°59 | 0°59 | 6°17 | 12°14 | 13°10 | 26°43 | 28°28 | 22°55 | 22°19 | 23°19 | 9°49 | T 25 |
| F 26 | 12 33 16 | 10°13'18 | 3♍27 | 16° 6 | 23°57 | 1°45 | 6°11 | 12°13 | 13°11 | 26°42 | 28°26 | 22°50 | 22°16 | 23°25 | 9°52 | F 26 |
| S 27 | 12 37 12 | 11°11'55 | 17°32 | 16°29 | 24°56 | 2°30 | 6° 5 | 12°12 | 13°12 | 26°41 | 28°25 | 22°42 | 22°13 | 23°32 | 9°55 | S 27 |
| S 28 | 12 41 9 | 12°10'30 | 2♎ 3 | 16°57 | 25°55 | 3°16 | 5°58 | 12°11 | 13°13 | 26°40 | 28°23 | 22°33 | 22° 9 | 23°39 | 9°58 | S 28 |
| M29 | 12 45 5 | 13° 9'02 | 16°52 | 17°28 | 26°55 | 4° 2 | 5°52 | 12°10 | 13°14 | 26°39 | 28°21 | 22°22 | 22° 6 | 23°45 | 10° 2 | M29 |
| T 30 | 12 49 2 | 14° 7'33 | 1♏52 | 18° 4 | 27°54 | 4°47 | 5°45 | 12° 8 | 13°14 | 26°38 | 28°20 | 22°11 | 22° 3 | 23°52 | 10° 5 | T 30 |
| W31 | 12 52 58 | 15♈ 6'02 | 16♏54 | 18♓44 | 28♒55 | 5♈33 | 5♏39 | 12♐ 7 | 13♑15 | 26♏37 | 28♍18 | 22♑ 1 | 22♑ 0 | 23♉59 | 10♓ 8 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s42 | 7s43 | 4s53 | 2n11 | 3n31 | 15s49 | 4n 1 | 7s48 | 0s57 | 12s58 | 1n21 | 20s48 | 1n35 | 23s22 | 0s23 | 17s55 | 1n43 | 16n25 | 17n35 | 21s17 | 21s30 | 22n25 | 3s55 | 4n54 |
| T 2 | 5 19 | 13 36 | 5 6 | 2 5 | 3 34 | 15 47 | 3 53 | 7 29 | 0 57 | 12 57 | 1 21 | 20 48 | 1 35 | 23 21 | 0 23 | 17 55 | 1 43 | 16 26 | 17 35 | 21 18 | 21 30 | 22 27 | 3 54 | 4 54 |
| W 3 | 4 56 | 18 43 | 4 59 | 1 54 | 3 35 | 15 45 | 3 44 | 7 11 | 0 56 | 12 56 | 1 21 | 20 48 | 1 35 | 23 21 | 0 23 | 17 55 | 1 43 | 16 27 | 17 35 | 21 20 | 21 31 | 22 28 | 3 53 | 4 54 |
| T 4 | 4 33 | 22 42 | 4 32 | 1 40 | 3 34 | 15 43 | 3 36 | 6 53 | 0 56 | 12 55 | 1 22 | 20 48 | 1 35 | 23 21 | 0 23 | 17 55 | 1 43 | 16 28 | 17 35 | 21 20 | 21 32 | 22 30 | 3 51 | 4 54 |
| F 5 | 4 9 | 25 13 | 3 49 | 1 21 | 3 32 | 15 40 | 3 28 | 6 34 | 0 56 | 12 54 | 1 22 | 20 48 | 1 35 | 23 21 | 0 23 | 17 55 | 1 43 | 16 28 | 17 36 | 21 21 | 21 32 | 22 31 | 3 50 | 4 54 |
| S 6 | 3 46 | 26 5 | 2 53 | 1 0 | 3 28 | 15 37 | 3 19 | 6 16 | 0 55 | 12 53 | 1 22 | 20 48 | 1 36 | 23 21 | 0 23 | 17 55 | 1 43 | 16 29 | 17 36 | 21 21 | 21 33 | 22 32 | 3 49 | 4 54 |
| S 7 | 3 22 | 25 17 | 1 47 | 0 36 | 3 22 | 15 33 | 3 11 | 5 57 | 0 55 | 12 52 | 1 22 | 20 48 | 1 36 | 23 21 | 0 23 | 17 54 | 1 43 | 16 30 | 17 36 | 21 21 | 21 33 | 22 34 | 3 47 | 4 54 |
| M 8 | 2 59 | 22 58 | 0 36 | 0 9 | 3 14 | 15 29 | 3 3 | 5 38 | 0 55 | 12 51 | 1 22 | 20 48 | 1 36 | 23 21 | 0 24 | 17 54 | 1 43 | 16 31 | 17 36 | 21 21 | 21 34 | 22 35 | 3 46 | 4 54 |
| T 9 | 2 35 | 19 25 | 0n36 | 0s20 | 3 5 | 15 24 | 2 55 | 5 20 | 0 54 | 12 49 | 1 22 | 20 48 | 1 36 | 23 20 | 0 24 | 17 54 | 1 43 | 16 31 | 17 36 | 21 21 | 21 34 | 22 37 | 3 44 | 4 54 |
| W10 | 2 12 | 14 55 | 1 45 | 0 50 | 2 54 | 15 19 | 2 47 | 5 1 | 0 54 | 12 48 | 1 22 | 20 48 | 1 36 | 23 20 | 0 24 | 17 54 | 1 43 | 16 32 | 17 36 | 21 21 | 21 35 | 22 38 | 3 43 | 4 54 |
| T 11 | 1 48 | 9 48 | 2 47 | 1 21 | 2 42 | 15 13 | 2 39 | 4 43 | 0 54 | 12 47 | 1 23 | 20 48 | 1 36 | 23 20 | 0 24 | 17 54 | 1 43 | 16 33 | 17 36 | 21 22 | 21 35 | 22 40 | 3 42 | 4 54 |
| F 12 | 1 24 | 4 21 | 3 39 | 1 52 | 2 29 | 15 7 | 2 32 | 4 24 | 0 53 | 12 45 | 1 23 | 20 48 | 1 36 | 23 20 | 0 24 | 17 54 | 1 43 | 16 34 | 17 36 | 21 23 | 21 36 | 22 41 | 3 40 | 4 54 |
| S 13 | 1 1 | 1n12 | 4 20 | 2 23 | 2 15 | 15 0 | 2 24 | 4 5 | 0 53 | 12 44 | 1 23 | 20 48 | 1 36 | 23 20 | 0 24 | 17 53 | 1 43 | 16 34 | 17 36 | 21 25 | 21 36 | 22 42 | 3 39 | 4 54 |
| S 14 | 0 37 | 6 36 | 4 47 | 2 53 | 2 0 | 14 53 | 2 16 | 3 46 | 0 52 | 12 42 | 1 23 | 20 48 | 1 36 | 23 20 | 0 24 | 17 53 | 1 43 | 16 35 | 17 36 | 21 27 | 21 37 | 22 44 | 3 38 | 4 54 |
| M15 | 0 14 | 11 40 | 5 1 | 3 22 | 1 45 | 14 45 | 2 9 | 3 28 | 0 52 | 12 41 | 1 23 | 20 48 | 1 36 | 23 20 | 0 24 | 17 53 | 1 44 | 16 36 | 17 36 | 21 29 | 21 37 | 22 45 | 3 36 | 4 54 |
| T 16 | 0n10 | 16 12 | 5 0 | 3 49 | 1 29 | 14 37 | 2 1 | 3 9 | 0 52 | 12 39 | 1 23 | 20 48 | 1 36 | 23 20 | 0 24 | 17 53 | 1 44 | 16 36 | 17 36 | 21 31 | 21 38 | 22 46 | 3 35 | 4 54 |
| W17 | 0 34 | 20 3 | 4 47 | 4 15 | 1 13 | 14 28 | 1 54 | 2 50 | 0 51 | 12 37 | 1 23 | 20 48 | 1 37 | 23 19 | 0 24 | 17 53 | 1 44 | 16 37 | 17 36 | 21 33 | 21 39 | 22 48 | 3 34 | 4 54 |
| T 18 | 0 57 | 23 3 | 4 20 | 4 39 | 0 57 | 14 19 | 1 47 | 2 31 | 0 51 | 12 36 | 1 23 | 20 48 | 1 37 | 23 19 | 0 24 | 17 52 | 1 44 | 16 38 | 17 36 | 21 34 | 21 39 | 22 49 | 3 32 | 4 54 |
| F 19 | 1 21 | 25 2 | 3 43 | 5 1 | 0 41 | 14 9 | 1 40 | 2 13 | 0 50 | 12 34 | 1 23 | 20 48 | 1 37 | 23 19 | 0 24 | 17 52 | 1 44 | 16 38 | 17 36 | 21 35 | 21 40 | 22 50 | 3 31 | 4 54 |
| S 20 | 1 44 | 25 55 | 2 56 | 5 20 | 0 26 | 13 59 | 1 33 | 1 54 | 0 50 | 12 32 | 1 24 | 20 47 | 1 37 | 23 19 | 0 24 | 17 52 | 1 44 | 16 39 | 17 36 | 21 36 | 21 40 | 22 52 | 3 30 | 4 54 |
| S 21 | 2 8 | 25 36 | 2 1 | 5 37 | 0 11 | 13 48 | 1 26 | 1 35 | 0 49 | 12 30 | 1 24 | 20 47 | 1 37 | 23 19 | 0 24 | 17 52 | 1 44 | 16 40 | 17 36 | 21 36 | 21 41 | 22 53 | 3 28 | 4 54 |
| M22 | 2 31 | 24 4 | 1 0 | 5 52 | 0s 4 | 13 37 | 1 19 | 1 16 | 0 49 | 12 28 | 1 24 | 20 47 | 1 37 | 23 19 | 0 24 | 17 51 | 1 44 | 16 40 | 17 36 | 21 36 | 21 41 | 22 54 | 3 27 | 4 54 |
| T 23 | 2 54 | 21 21 | 0s 5 | 6 4 | 0 19 | 13 25 | 1 12 | 0 58 | 0 49 | 12 26 | 1 24 | 20 47 | 1 37 | 23 19 | 0 24 | 17 51 | 1 44 | 16 41 | 17 36 | 21 36 | 21 42 | 22 56 | 3 26 | 4 55 |
| W24 | 3 18 | 17 32 | 1 12 | 6 13 | 0 33 | 13 13 | 1 6 | 0 39 | 0 48 | 12 24 | 1 24 | 20 47 | 1 37 | 23 19 | 0 24 | 17 51 | 1 44 | 16 41 | 17 36 | 21 36 | 21 42 | 22 57 | 3 24 | 4 55 |
| T 25 | 3 41 | 12 46 | 2 17 | 6 20 | 0 46 | 13 0 | 0 59 | 0 20 | 0 48 | 12 22 | 1 24 | 20 47 | 1 37 | 23 19 | 0 24 | 17 51 | 1 44 | 16 42 | 17 36 | 21 37 | 21 43 | 22 58 | 3 23 | 4 55 |
| F 26 | 4 4 | 7 14 | 3 17 | 6 24 | 0 58 | 12 47 | 0 53 | 0 1 | 0 47 | 12 20 | 1 24 | 20 46 | 1 37 | 23 19 | 0 24 | 17 50 | 1 44 | 16 43 | 17 36 | 21 38 | 21 43 | 23 0 | 3 22 | 4 55 |
| S 27 | 4 27 | 1 10 | 4 6 | 6 26 | 1 10 | 12 33 | 0 46 | 0n17 | 0 47 | 12 18 | 1 24 | 20 46 | 1 37 | 23 19 | 0 24 | 17 50 | 1 44 | 16 43 | 17 36 | 21 39 | 21 44 | 23 1 | 3 20 | 4 55 |
| S 28 | 4 50 | 5s 7 | 4 42 | 6 26 | 1 22 | 12 19 | 0 40 | 0 36 | 0 46 | 12 16 | 1 24 | 20 46 | 1 38 | 23 19 | 0 24 | 17 50 | 1 44 | 16 44 | 17 36 | 21 41 | 21 44 | 23 2 | 3 19 | 4 55 |
| M29 | 5 13 | 11 16 | 4 59 | 6 23 | 1 32 | 12 5 | 0 34 | 0 55 | 0 46 | 12 14 | 1 24 | 20 46 | 1 38 | 23 19 | 0 24 | 17 50 | 1 44 | 16 44 | 17 36 | 21 42 | 21 45 | 23 3 | 3 18 | 4 55 |
| T 30 | 5 36 | 16 49 | 4 56 | 6 19 | 1 42 | 11 50 | 0 28 | 1 13 | 0 45 | 12 11 | 1 24 | 20 45 | 1 38 | 23 19 | 0 24 | 17 49 | 1 44 | 16 45 | 17 35 | 21 44 | 21 45 | 23 5 | 3 17 | 4 55 |
| W31 | 5n59 | 21s20 | 4s33 | 6s11 | 1s51 | 11s34 | 0n22 | 1n32 | 0s45 | 12s 9 | 1n24 | 20s45 | 1n38 | 23s19 | 0s24 | 17s49 | 1n44 | 16n45 | 17n35 | 21s46 | 21s46 | 23n 6 | 3s15 | 4n55 |

Julian Day Number = 2081253.5, Delta T = 25m33s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'36, Lahiri = 9°43'37 Julian Calendar 1 March 986 == Greg. Calendar 6 March 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## APRIL 986 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 56 55 | 16♈ 4'29 | 1♐47 | 19♓27 | 29♒55 | 6♈18 | 5°R32 | 12°R 6 | 13♑16 | 26°R36 | 28°R17 | 21°R53 | 21♑57 | 24♉ 6 | 10♓11 | T 1 |
| F 2 | 13 0 52 | 17° 2'55 | 16°24 | 20°14 | 0♓56 | 7° 3 | 5♏25 | 12♐ 4 | 13°16 | 26♏35 | 28♍15 | 21♑48 | 21°54 | 24°12 | 10°14 | F 2 |
| S 3 | 13 4 48 | 18° 1'19 | 0♑42 | 21° 4 | 1°57 | 7°49 | 5°18 | 12° 2 | 13°17 | 26°33 | 28°13 | 21°46 | 21°50 | 24°19 | 10°17 | S 3 |
| S 4 | 13 8 45 | 18°59'41 | 14°38 | 21°58 | 2°59 | 8°34 | 5°11 | 12° 1 | 13°17 | 26°32 | 28°12 | 21°45 | 21°47 | 24°26 | 10°20 | S 4 |
| M 5 | 13 12 41 | 19°58'02 | 28°13 | 22°54 | 4° 0 | 9°19 | 5° 4 | 11°59 | 13°18 | 26°31 | 28°10 | 21°45 | 21°44 | 24°32 | 10°23 | M 5 |
| T 6 | 13 16 38 | 20°56'22 | 11♒30 | 23°54 | 5° 2 | 10° 5 | 4°57 | 11°57 | 13°18 | 26°30 | 28° 9 | 21°45 | 21°41 | 24°39 | 10°26 | T 6 |
| W 7 | 13 20 34 | 21°54'39 | 24°29 | 24°57 | 6° 5 | 10°50 | 4°50 | 11°55 | 13°18 | 26°29 | 28° 7 | 21°42 | 21°38 | 24°46 | 10°29 | W 7 |
| T 8 | 13 24 31 | 22°52'55 | 7♓15 | 26° 2 | 7° 7 | 11°35 | 4°42 | 11°53 | 13°18 | 26°27 | 28° 6 | 21°37 | 21°35 | 24°53 | 10°32 | T 8 |
| F 9 | 13 28 27 | 23°51'09 | 19°49 | 27°10 | 8°10 | 12°20 | 4°35 | 11°51 | 13°19 | 26°26 | 28° 4 | 21°28 | 21°31 | 24°59 | 10°35 | F 9 |
| S 10 | 13 32 24 | 24°49'22 | 2♈13 | 28°20 | 9°13 | 13° 5 | 4°28 | 11°49 | 13°19 | 26°25 | 28° 3 | 21°18 | 21°28 | 25° 6 | 10°38 | S 10 |
| S 11 | 13 36 20 | 25°47'33 | 14°28 | 29°33 | 10°17 | 13°50 | 4°20 | 11°46 | 13°19 | 26°23 | 28° 1 | 21° 5 | 21°25 | 25°13 | 10°41 | S 11 |
| M12 | 13 40 17 | 26°45'42 | 26°36 | 0♈48 | 11°20 | 14°35 | 4°13 | 11°44 | 13°R19 | 26°22 | 28° 0 | 20°51 | 21°22 | 25°19 | 10°44 | M12 |
| T 13 | 13 44 14 | 27°43'50 | 8♉36 | 2° 6 | 12°24 | 15°20 | 4° 5 | 11°42 | 13°19 | 26°21 | 27°59 | 20°37 | 21°19 | 25°26 | 10°46 | T 13 |
| W14 | 13 48 10 | 28°41'56 | 20°31 | 3°26 | 13°28 | 16° 5 | 3°58 | 11°39 | 13°19 | 26°19 | 27°57 | 20°24 | 21°15 | 25°33 | 10°49 | W14 |
| T 15 | 13 52 7 | 29°40'00 | 2♊21 | 4°48 | 14°32 | 16°50 | 3°50 | 11°36 | 13°19 | 26°18 | 27°56 | 20°14 | 21°12 | 25°39 | 10°52 | T 15 |
| F 16 | 13 56 3 | 0♉38'02 | 14°10 | 6°12 | 15°37 | 17°34 | 3°42 | 11°34 | 13°19 | 26°17 | 27°55 | 20° 7 | 21° 9 | 25°46 | 10°54 | F 16 |
| S 17 | 14 0 0 | 1°36'03 | 26° 0 | 7°38 | 16°41 | 18°19 | 3°35 | 11°31 | 13°18 | 26°15 | 27°53 | 20° 2 | 21° 6 | 25°53 | 10°57 | S 17 |
| S 18 | 14 3 56 | 2°34'01 | 7♋55 | 9° 7 | 17°46 | 19° 4 | 3°27 | 11°28 | 13°18 | 26°14 | 27°52 | 20° 0 | 21° 3 | 26° 0 | 11° 0 | S 18 |
| M19 | 14 7 53 | 3°31'58 | 20° 1 | 10°38 | 18°51 | 19°48 | 3°20 | 11°25 | 13°18 | 26°12 | 27°51 | 19°D59 | 21° 0 | 26° 6 | 11° 2 | M19 |
| T 20 | 14 11 49 | 4°29'53 | 2♌21 | 12°10 | 19°56 | 20°33 | 3°12 | 11°22 | 13°18 | 26°11 | 27°49 | 20°R 0 | 20°56 | 26°13 | 11° 5 | T 20 |
| W21 | 14 15 46 | 5°27'46 | 15° 1 | 13°45 | 21° 1 | 21°17 | 3° 4 | 11°19 | 13°17 | 26° 9 | 27°48 | 19°59 | 20°53 | 26°20 | 11° 7 | W21 |
| T 22 | 14 19 43 | 6°25'37 | 28° 7 | 15°22 | 22° 7 | 22° 1 | 2°57 | 11°16 | 13°17 | 26° 8 | 27°47 | 19°57 | 20°50 | 26°26 | 11° 9 | T 22 |
| F 23 | 14 23 39 | 7°23'27 | 11♍40 | 17° 1 | 23°13 | 22°46 | 2°49 | 11°13 | 13°16 | 26° 6 | 27°46 | 19°53 | 20°47 | 26°33 | 11°12 | F 23 |
| S 24 | 14 27 36 | 8°21'14 | 25°44 | 18°42 | 24°18 | 23°30 | 2°41 | 11° 9 | 13°16 | 26° 5 | 27°45 | 19°47 | 20°44 | 26°40 | 11°14 | S 24 |
| S 25 | 14 31 32 | 9°19'00 | 10♎16 | 20°25 | 25°24 | 24°14 | 2°34 | 11° 6 | 13°15 | 26° 3 | 27°43 | 19°39 | 20°41 | 26°46 | 11°16 | S 25 |
| M26 | 14 35 29 | 10°16'44 | 25°12 | 22°10 | 26°30 | 24°59 | 2°26 | 11° 2 | 13°14 | 26° 2 | 27°42 | 19°29 | 20°37 | 26°53 | 11°19 | M26 |
| T 27 | 14 39 25 | 11°14'27 | 10♏23 | 23°57 | 27°37 | 25°43 | 2°19 | 10°59 | 13°14 | 26° 0 | 27°41 | 19°19 | 20°34 | 27° 0 | 11°21 | T 27 |
| W28 | 14 43 22 | 12°12'08 | 25°39 | 25°46 | 28°43 | 26°27 | 2°11 | 10°55 | 13°13 | 25°59 | 27°40 | 19°10 | 20°31 | 27° 6 | 11°23 | W28 |
| T 29 | 14 47 18 | 13° 9'49 | 10♐50 | 27°37 | 29°50 | 27°11 | 2° 4 | 10°52 | 13°12 | 25°57 | 27°39 | 19° 3 | 20°28 | 27°13 | 11°25 | T 29 |
| F 30 | 14 51 15 | 14♉ 7'28 | 25♐44 | 29♈31 | 0♈56 | 27♈55 | 1♏57 | 10♐48 | 13♑11 | 25♏56 | 27♍38 | 18♑59 | 20♑25 | 27♉20 | 11♓27 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n21 | 24s24 | 3s51 | 6s 2 | 2s 0 | 11s18 | 0n16 | 1n50 | 0s44 | 12s 7 | 1n24 | 20s45 | 1n38 | 23s18 | 0s24 | 17s49 | 1n44 | 16n46 | 17n35 | 21s47 | 21s46 | 23n 7 | 3s14 | 4n55 |
| F 2 | 6 44 | 25 47 | 2 55 | 5 51 | 2 8 | 11 2 | 0 11 | 2 9 | 0 44 | 12 5 | 1 24 | 20 45 | 1 38 | 23 18 | 0 24 | 17 48 | 1 44 | 16 46 | 17 35 | 21 48 | 21 47 | 23 8 | 3 13 | 4 56 |
| S 3 | 7 6 | 25 23 | 1 49 | 5 38 | 2 15 | 10 45 | 0 5 | 2 27 | 0 43 | 12 2 | 1 24 | 20 44 | 1 38 | 23 18 | 0 24 | 17 48 | 1 44 | 16 47 | 17 35 | 21 48 | 21 47 | 23 10 | 3 11 | 4 56 |
| S 4 | 7 29 | 23 23 | 0 38 | 5 22 | 2 22 | 10 28 | 0s 0 | 2 46 | 0 43 | 12 0 | 1 24 | 20 44 | 1 38 | 23 18 | 0 24 | 17 48 | 1 44 | 16 47 | 17 35 | 21 48 | 21 48 | 23 11 | 3 10 | 4 56 |
| M 5 | 7 51 | 20 5 | 0n34 | 5 5 | 2 27 | 10 11 | 0 6 | 3 4 | 0 42 | 11 57 | 1 24 | 20 44 | 1 38 | 23 18 | 0 24 | 17 48 | 1 44 | 16 48 | 17 34 | 21 48 | 21 48 | 23 12 | 3 9 | 4 56 |
| T 6 | 8 13 | 15 48 | 1 42 | 4 46 | 2 33 | 9 53 | 0 11 | 3 22 | 0 42 | 11 55 | 1 24 | 20 43 | 1 38 | 23 18 | 0 24 | 17 47 | 1 44 | 16 48 | 17 34 | 21 48 | 21 49 | 23 13 | 3 8 | 4 56 |
| W 7 | 8 35 | 10 52 | 2 44 | 4 25 | 2 37 | 9 35 | 0 16 | 3 41 | 0 41 | 11 53 | 1 24 | 20 43 | 1 38 | 23 18 | 0 24 | 17 47 | 1 44 | 16 48 | 17 34 | 21 49 | 21 49 | 23 15 | 3 6 | 4 56 |
| T 8 | 8 57 | 5 34 | 3 35 | 4 3 | 2 41 | 9 16 | 0 21 | 3 59 | 0 41 | 11 50 | 1 24 | 20 43 | 1 38 | 23 18 | 0 24 | 17 47 | 1 44 | 16 49 | 17 34 | 21 50 | 21 50 | 23 16 | 3 5 | 4 56 |
| F 9 | 9 18 | 0 8 | 4 16 | 3 39 | 2 44 | 8 57 | 0 26 | 4 17 | 0 40 | 11 48 | 1 24 | 20 42 | 1 38 | 23 18 | 0 24 | 17 46 | 1 44 | 16 49 | 17 34 | 21 51 | 21 50 | 23 17 | 3 4 | 4 56 |
| S 10 | 9 40 | 5n13 | 4 44 | 3 13 | 2 47 | 8 38 | 0 31 | 4 35 | 0 40 | 11 45 | 1 24 | 20 42 | 1 38 | 23 18 | 0 24 | 17 46 | 1 44 | 16 50 | 17 33 | 21 53 | 21 51 | 23 18 | 3 3 | 4 57 |
| S 11 | 10 1 | 10 18 | 4 58 | 2 46 | 2 49 | 8 18 | 0 35 | 4 53 | 0 39 | 11 43 | 1 24 | 20 42 | 1 39 | 23 18 | 0 24 | 17 46 | 1 45 | 16 50 | 17 33 | 21 55 | 21 51 | 23 19 | 3 2 | 4 57 |
| M12 | 10 22 | 14 56 | 4 58 | 2 17 | 2 50 | 7 58 | 0 40 | 5 11 | 0 39 | 11 40 | 1 24 | 20 41 | 1 39 | 23 18 | 0 24 | 17 45 | 1 45 | 16 50 | 17 33 | 21 57 | 21 52 | 23 20 | 3 0 | 4 57 |
| T 13 | 10 43 | 18 57 | 4 45 | 1 46 | 2 51 | 7 37 | 0 44 | 5 29 | 0 38 | 11 38 | 1 24 | 20 41 | 1 39 | 23 18 | 0 25 | 17 45 | 1 45 | 16 51 | 17 33 | 21 59 | 21 52 | 23 22 | 2 59 | 4 57 |
| W14 | 11 4 | 22 9 | 4 20 | 1 15 | 2 51 | 7 17 | 0 48 | 5 47 | 0 38 | 11 35 | 1 24 | 20 41 | 1 39 | 23 19 | 0 25 | 17 45 | 1 45 | 16 51 | 17 32 | 22 1 | 21 53 | 23 23 | 2 58 | 4 57 |
| T 15 | 11 25 | 24 24 | 3 44 | 0 42 | 2 51 | 6 56 | 0 53 | 6 5 | 0 37 | 11 33 | 1 24 | 20 40 | 1 39 | 23 19 | 0 25 | 17 44 | 1 45 | 16 51 | 17 32 | 22 2 | 21 53 | 23 24 | 2 57 | 4 57 |
| F 16 | 11 45 | 25 34 | 2 57 | 0 7 | 2 50 | 6 34 | 0 57 | 6 22 | 0 37 | 11 30 | 1 24 | 20 40 | 1 39 | 23 19 | 0 25 | 17 44 | 1 45 | 16 51 | 17 32 | 22 3 | 21 54 | 23 25 | 2 56 | 4 57 |
| S 17 | 12 6 | 25 34 | 2 3 | 0n29 | 2 48 | 6 13 | 1 1 | 6 40 | 0 36 | 11 28 | 1 24 | 20 39 | 1 39 | 23 19 | 0 25 | 17 44 | 1 45 | 16 52 | 17 31 | 22 4 | 21 54 | 23 26 | 2 55 | 4 58 |
| S 18 | 12 26 | 24 23 | 1 4 | 1 6 | 2 46 | 5 51 | 1 4 | 6 57 | 0 35 | 11 25 | 1 24 | 20 39 | 1 39 | 23 19 | 0 25 | 17 43 | 1 45 | 16 52 | 17 31 | 22 4 | 21 55 | 23 27 | 2 54 | 4 58 |
| M19 | 12 46 | 22 4 | 0s 0 | 1 44 | 2 43 | 5 29 | 1 8 | 7 15 | 0 35 | 11 23 | 1 24 | 20 38 | 1 39 | 23 19 | 0 25 | 17 43 | 1 45 | 16 52 | 17 31 | 22 4 | 21 55 | 23 29 | 2 52 | 4 58 |
| T 20 | 13 5 | 18 41 | 1 5 | 2 23 | 2 40 | 5 6 | 1 12 | 7 32 | 0 34 | 11 20 | 1 24 | 20 38 | 1 39 | 23 19 | 0 25 | 17 42 | 1 45 | 16 52 | 17 31 | 22 4 | 21 56 | 23 30 | 2 51 | 4 58 |
| W21 | 13 25 | 14 22 | 2 9 | 3 4 | 2 36 | 4 44 | 1 15 | 7 49 | 0 34 | 11 17 | 1 24 | 20 38 | 1 39 | 23 19 | 0 25 | 17 42 | 1 45 | 16 53 | 17 30 | 22 4 | 21 56 | 23 31 | 2 50 | 4 58 |
| T 22 | 13 44 | 9 16 | 3 8 | 3 46 | 2 31 | 4 21 | 1 19 | 8 7 | 0 33 | 11 15 | 1 24 | 20 37 | 1 39 | 23 19 | 0 25 | 17 42 | 1 45 | 16 53 | 17 30 | 22 5 | 21 57 | 23 32 | 2 49 | 4 58 |
| F 23 | 14 3 | 3 33 | 3 58 | 4 28 | 2 26 | 3 58 | 1 22 | 8 24 | 0 33 | 11 12 | 1 24 | 20 37 | 1 39 | 23 19 | 0 25 | 17 41 | 1 45 | 16 53 | 17 30 | 22 5 | 21 57 | 23 33 | 2 48 | 4 59 |
| S 24 | 14 22 | 2s31 | 4 36 | 5 12 | 2 21 | 3 34 | 1 25 | 8 41 | 0 32 | 11 10 | 1 24 | 20 36 | 1 39 | 23 19 | 0 25 | 17 41 | 1 45 | 16 53 | 17 29 | 22 6 | 21 58 | 23 34 | 2 47 | 4 59 |
| S 25 | 14 41 | 8 39 | 4 58 | 5 56 | 2 15 | 3 11 | 1 28 | 8 58 | 0 32 | 11 7 | 1 23 | 20 36 | 1 39 | 23 19 | 0 25 | 17 41 | 1 45 | 16 53 | 17 29 | 22 7 | 21 58 | 23 35 | 2 46 | 4 59 |
| M26 | 14 59 | 14 28 | 5 1 | 6 42 | 2 8 | 2 47 | 1 31 | 9 14 | 0 31 | 11 5 | 1 23 | 20 35 | 1 39 | 23 19 | 0 25 | 17 40 | 1 45 | 16 53 | 17 28 | 22 9 | 21 59 | 23 36 | 2 45 | 4 59 |
| T 27 | 15 17 | 19 29 | 4 42 | 7 28 | 2 1 | 2 23 | 1 34 | 9 31 | 0 30 | 11 2 | 1 23 | 20 35 | 1 39 | 23 19 | 0 25 | 17 40 | 1 45 | 16 53 | 17 28 | 22 10 | 21 59 | 23 37 | 2 44 | 4 59 |
| W28 | 15 35 | 23 13 | 4 4 | 8 15 | 1 54 | 1 59 | 1 36 | 9 48 | 0 30 | 11 0 | 1 23 | 20 34 | 1 39 | 23 19 | 0 25 | 17 39 | 1 45 | 16 53 | 17 28 | 22 12 | 22 0 | 23 38 | 2 43 | 5 0 |
| T 29 | 15 53 | 25 18 | 3 8 | 9 3 | 1 46 | 1 35 | 1 39 | 10 4 | 0 29 | 10 58 | 1 23 | 20 34 | 1 39 | 23 20 | 0 25 | 17 39 | 1 45 | 16 54 | 17 27 | 22 12 | 22 0 | 23 40 | 2 42 | 5 0 |
| F 30 | 16n10 | 25s30 | 2s 0 | 9n51 | 1s37 | 1s10 | 1s41 | 10n21 | 0s29 | 10s55 | 1n23 | 20s33 | 1n39 | 23s20 | 0s25 | 17s39 | 1n45 | 16n54 | 17n27 | 22s13 | 22s 1 | 23n41 | 2s41 | 5n 0 |

Julian Day Number = 2081284.5, Delta T = 25m32s
Ecliptic obliquity = 23°34'18, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'41, Lahiri = 9°43'41 Julian Calendar 1 Apr. 986 == Greg. Calendar 6 Apr. 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## MAY 986 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 55 12 | 15♉ 5'06 | 10♑16 | 1♉26 | 2♈ 3 | 28♈39 | 1°R49 | 10°R45 | 13°R11 | 25°R54 | 27°R37 | 18°R57 | 20♑21 | 27♉27 | 11♓29 | S 1 |
| S 2 | 14 59 8 | 16° 2'42 | 24°24 | 3°23 | 3°10 | 29°23 | 1♏42 | 10♐41 | 13♑10 | 25♏52 | 27♍36 | 18°D57 | 20°18 | 27°33 | 11°31 | S 2 |
| M 3 | 15 3 5 | 17° 0'18 | 8♒ 5 | 5°22 | 4°17 | 0♉ 6 | 1°35 | 10°37 | 13° 9 | 25°51 | 27°35 | 18♑58 | 20°15 | 27°40 | 11°33 | M 3 |
| T 4 | 15 7 1 | 17°57'53 | 21°22 | 7°24 | 5°25 | 0°50 | 1°28 | 10°33 | 13° 8 | 25°49 | 27°34 | 18°R58 | 20°12 | 27°47 | 11°35 | T 4 |
| W 5 | 15 10 58 | 18°55'27 | 4♓18 | 9°26 | 6°32 | 1°34 | 1°21 | 10°29 | 13° 7 | 25°48 | 27°33 | 18°57 | 20° 9 | 27°53 | 11°37 | W 5 |
| T 6 | 15 14 54 | 19°53'00 | 16°56 | 11°31 | 7°39 | 2°18 | 1°14 | 10°25 | 13° 6 | 25°46 | 27°32 | 18°53 | 20° 6 | 28° 0 | 11°39 | T 6 |
| F 7 | 15 18 51 | 20°50'32 | 29°21 | 13°37 | 8°47 | 3° 1 | 1° 7 | 10°21 | 13° 4 | 25°44 | 27°31 | 18°48 | 20° 2 | 28° 7 | 11°41 | F 7 |
| S 8 | 15 22 47 | 21°48'02 | 11♈34 | 15°45 | 9°55 | 3°45 | 1° 0 | 10°17 | 13° 3 | 25°43 | 27°31 | 18°40 | 19°59 | 28°13 | 11°42 | S 8 |
| S 9 | 15 26 44 | 22°45'33 | 23°38 | 17°54 | 11° 3 | 4°28 | 0°53 | 10°13 | 13° 2 | 25°41 | 27°30 | 18°30 | 19°56 | 28°20 | 11°44 | S 9 |
| M10 | 15 30 41 | 23°43'02 | 5♉36 | 20° 4 | 12°10 | 5°12 | 0°47 | 10° 9 | 13° 1 | 25°40 | 27°29 | 18°20 | 19°53 | 28°27 | 11°46 | M10 |
| T 11 | 15 34 37 | 24°40'30 | 17°30 | 22°15 | 13°18 | 5°55 | 0°40 | 10° 5 | 13° 0 | 25°38 | 27°28 | 18°10 | 19°50 | 28°34 | 11°47 | T 11 |
| W12 | 15 38 34 | 25°37'57 | 29°21 | 24°26 | 14°27 | 6°38 | 0°34 | 10° 1 | 12°58 | 25°36 | 27°28 | 18° 1 | 19°47 | 28°40 | 11°49 | W12 |
| T 13 | 15 42 30 | 26°35'23 | 11♊10 | 26°38 | 15°35 | 7°22 | 0°28 | 9°56 | 12°57 | 25°35 | 27°27 | 17°53 | 19°43 | 28°47 | 11°50 | T 13 |
| F 14 | 15 46 27 | 27°32'49 | 23° 0 | 28°50 | 16°43 | 8° 5 | 0°22 | 9°52 | 12°55 | 25°33 | 27°26 | 17°48 | 19°40 | 28°54 | 11°52 | F 14 |
| S 15 | 15 50 23 | 28°30'13 | 4♋53 | 1♊ 2 | 17°51 | 8°48 | 0°16 | 9°48 | 12°54 | 25°31 | 27°26 | 17°45 | 19°37 | 29° 0 | 11°53 | S 15 |
| S 16 | 15 54 20 | 29°27'36 | 16°53 | 3°13 | 19° 0 | 9°31 | 0°10 | 9°44 | 12°52 | 25°30 | 27°25 | 17°D44 | 19°34 | 29° 7 | 11°54 | S 16 |
| M17 | 15 58 17 | 0♊24'58 | 29° 1 | 5°24 | 20° 9 | 10°14 | 0° 4 | 9°39 | 12°51 | 25°28 | 27°25 | 17°45 | 19°31 | 29°14 | 11°55 | M17 |
| T 18 | 16 2 13 | 1°22'19 | 11♌24 | 7°34 | 21°17 | 10°57 | 29♎58 | 9°35 | 12°49 | 25°27 | 27°24 | 17°46 | 19°27 | 29°20 | 11°57 | T 18 |
| W19 | 16 6 10 | 2°19'39 | 24° 4 | 9°42 | 22°26 | 11°40 | 29°53 | 9°31 | 12°48 | 25°25 | 27°24 | 17°47 | 19°24 | 29°27 | 11°58 | W19 |
| T 20 | 16 10 6 | 3°16'57 | 7♍ 6 | 11°49 | 23°35 | 12°23 | 29°47 | 9°26 | 12°46 | 25°23 | 27°23 | 17°R47 | 19°21 | 29°34 | 11°59 | T 20 |
| F 21 | 16 14 3 | 4°14'15 | 20°34 | 13°54 | 24°44 | 13° 6 | 29°42 | 9°22 | 12°44 | 25°22 | 27°23 | 17°46 | 19°18 | 29°40 | 12° 0 | F 21 |
| S 22 | 16 17 59 | 5°11'32 | 4♎30 | 15°58 | 25°53 | 13°49 | 29°37 | 9°18 | 12°43 | 25°20 | 27°22 | 17°43 | 19°15 | 29°47 | 12° 1 | S 22 |
| S 23 | 16 21 56 | 6° 8'47 | 18°53 | 18° 0 | 27° 2 | 14°31 | 29°32 | 9°13 | 12°41 | 25°19 | 27°22 | 17°38 | 19°12 | 29°54 | 12° 2 | S 23 |
| M24 | 16 25 52 | 7° 6'02 | 3♏41 | 20° 0 | 28°11 | 15°14 | 29°27 | 9° 9 | 12°39 | 25°17 | 27°22 | 17°33 | 19° 8 | 0♊ 0 | 12° 3 | M24 |
| T 25 | 16 29 49 | 8° 3'16 | 18°47 | 21°57 | 29°20 | 15°56 | 29°23 | 9° 4 | 12°37 | 25°15 | 27°21 | 17°27 | 19° 5 | 0° 7 | 12° 4 | T 25 |
| W26 | 16 33 46 | 9° 0'29 | 4♐ 2 | 23°53 | 0♉29 | 16°39 | 29°18 | 9° 0 | 12°35 | 25°14 | 27°21 | 17°22 | 19° 2 | 0°14 | 12° 5 | W26 |
| T 27 | 16 37 42 | 9°57'42 | 19°15 | 25°46 | 1°39 | 17°22 | 29°14 | 8°56 | 12°34 | 25°12 | 27°21 | 17°18 | 18°59 | 0°21 | 12° 5 | T 27 |
| F 28 | 16 41 39 | 10°54'55 | 4♑17 | 27°37 | 2°48 | 18° 4 | 29°10 | 8°51 | 12°32 | 25°11 | 27°21 | 17°16 | 18°56 | 0°27 | 12° 6 | F 28 |
| S 29 | 16 45 35 | 11°52'07 | 19° 0 | 29°26 | 3°58 | 18°46 | 29° 6 | 8°47 | 12°30 | 25° 9 | 27°21 | 17°D15 | 18°53 | 0°34 | 12° 7 | S 29 |
| S 30 | 16 49 32 | 12°49'18 | 3♒17 | 1♋12 | 5° 7 | 19°29 | 29° 2 | 8°42 | 12°28 | 25° 8 | 27°21 | 17°16 | 18°49 | 0°41 | 12° 7 | S 30 |
| M31 | 16 53 28 | 13♊46'30 | 17♒ 8 | 2♋56 | 6♉17 | 20♉11 | 28♎58 | 8♐38 | 12♑26 | 25♏ 6 | 27♍20 | 17♑17 | 18♑46 | 0♊47 | 12♓ 8 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n27 | 23s56 | 0s46 | 10n39 | 1s28 | 0s46 | 1s44 | 10n37 | 0s28 | 10s53 | 1n23 | 20s33 | 1n39 | 23s20 | 0s25 | 17s38 | 1n45 | 16n54 | 17n26 | 22s13 | 22s 1 | 23n42 | 2s40 | 5n 0 |
| S 2 | 16 44 | 20 53 | 0n29 | 11 28 | 1 19 | 0 21 | 1 46 | 10 53 | 0 27 | 10 50 | 1 23 | 20 32 | 1 39 | 23 20 | 0 25 | 17 38 | 1 45 | 16 54 | 17 26 | 22 13 | 22 2 | 23 43 | 2 39 | 5 0 |
| M 3 | 17 0 | 16 44 | 1 40 | 12 18 | 1 10 | 0n 4 | 1 48 | 11 9 | 0 27 | 10 48 | 1 22 | 20 31 | 1 39 | 23 20 | 0 25 | 17 38 | 1 45 | 16 54 | 17 26 | 22 13 | 22 2 | 23 44 | 2 38 | 5 1 |
| T 4 | 17 17 | 11 52 | 2 44 | 13 7 | 1 0 | 0 29 | 1 50 | 11 25 | 0 26 | 10 46 | 1 22 | 20 31 | 1 39 | 23 20 | 0 25 | 17 37 | 1 45 | 16 54 | 17 25 | 22 13 | 22 3 | 23 45 | 2 37 | 5 1 |
| W 5 | 17 33 | 6 37 | 3 38 | 13 56 | 0 50 | 0 54 | 1 52 | 11 41 | 0 26 | 10 43 | 1 22 | 20 30 | 1 39 | 23 20 | 0 25 | 17 37 | 1 45 | 16 54 | 17 25 | 22 13 | 22 3 | 23 46 | 2 36 | 5 1 |
| T 6 | 17 48 | 1 13 | 4 19 | 14 45 | 0 39 | 1 19 | 1 54 | 11 57 | 0 25 | 10 41 | 1 22 | 20 30 | 1 39 | 23 20 | 0 25 | 17 36 | 1 45 | 16 54 | 17 24 | 22 14 | 22 4 | 23 47 | 2 36 | 5 1 |
| F 7 | 18 4 | 4n 8 | 4 48 | 15 33 | 0 29 | 1 44 | 1 55 | 12 12 | 0 24 | 10 39 | 1 22 | 20 29 | 1 39 | 23 21 | 0 25 | 17 36 | 1 45 | 16 53 | 17 24 | 22 15 | 22 4 | 23 48 | 2 35 | 5 1 |
| S 8 | 18 19 | 9 14 | 5 2 | 16 21 | 0 18 | 2 9 | 1 57 | 12 28 | 0 24 | 10 37 | 1 22 | 20 29 | 1 39 | 23 21 | 0 25 | 17 36 | 1 45 | 16 53 | 17 23 | 22 16 | 22 4 | 23 49 | 2 34 | 5 2 |
| S 9 | 18 34 | 13 55 | 5 4 | 17 8 | 0 8 | 2 35 | 1 58 | 12 43 | 0 23 | 10 35 | 1 21 | 20 28 | 1 39 | 23 21 | 0 25 | 17 35 | 1 45 | 16 53 | 17 23 | 22 17 | 22 5 | 23 50 | 2 33 | 5 2 |
| M10 | 18 48 | 18 2 | 4 51 | 17 54 | 0n 3 | 3 0 | 2 0 | 12 58 | 0 23 | 10 32 | 1 21 | 20 27 | 1 39 | 23 21 | 0 25 | 17 35 | 1 45 | 16 53 | 17 23 | 22 18 | 22 5 | 23 51 | 2 32 | 5 2 |
| T 11 | 19 3 | 21 24 | 4 26 | 18 39 | 0 14 | 3 26 | 2 1 | 13 13 | 0 22 | 10 30 | 1 21 | 20 27 | 1 39 | 23 21 | 0 25 | 17 35 | 1 45 | 16 53 | 17 22 | 22 20 | 22 6 | 23 52 | 2 31 | 5 2 |
| W12 | 19 16 | 23 52 | 3 50 | 19 22 | 0 24 | 3 51 | 2 2 | 13 28 | 0 21 | 10 28 | 1 21 | 20 26 | 1 39 | 23 21 | 0 25 | 17 34 | 1 45 | 16 53 | 17 22 | 22 21 | 22 6 | 23 53 | 2 31 | 5 3 |
| T 13 | 19 30 | 25 16 | 3 4 | 20 4 | 0 34 | 4 17 | 2 3 | 13 43 | 0 21 | 10 26 | 1 21 | 20 26 | 1 39 | 23 21 | 0 25 | 17 34 | 1 45 | 16 53 | 17 21 | 22 22 | 22 7 | 23 54 | 2 30 | 5 3 |
| F 14 | 19 43 | 25 32 | 2 9 | 20 44 | 0 44 | 4 42 | 2 4 | 13 58 | 0 20 | 10 24 | 1 21 | 20 25 | 1 39 | 23 22 | 0 25 | 17 33 | 1 45 | 16 53 | 17 21 | 22 23 | 22 7 | 23 55 | 2 29 | 5 3 |
| S 15 | 19 56 | 24 38 | 1 9 | 21 21 | 0 54 | 5 7 | 2 5 | 14 12 | 0 19 | 10 22 | 1 20 | 20 25 | 1 39 | 23 22 | 0 25 | 17 33 | 1 45 | 16 52 | 17 20 | 22 23 | 22 8 | 23 56 | 2 28 | 5 3 |
| S 16 | 20 9 | 22 35 | 0 5 | 21 56 | 1 3 | 5 33 | 2 5 | 14 27 | 0 19 | 10 20 | 1 20 | 20 24 | 1 39 | 23 22 | 0 25 | 17 33 | 1 45 | 16 52 | 17 20 | 22 23 | 22 8 | 23 57 | 2 28 | 5 3 |
| M17 | 20 21 | 19 29 | 1s 1 | 22 29 | 1 11 | 5 58 | 2 6 | 14 41 | 0 18 | 10 19 | 1 20 | 20 23 | 1 39 | 23 22 | 0 25 | 17 32 | 1 45 | 16 52 | 17 19 | 22 23 | 22 9 | 23 58 | 2 27 | 5 4 |
| T 18 | 20 33 | 15 28 | 2 4 | 23 0 | 1 19 | 6 24 | 2 7 | 14 55 | 0 18 | 10 17 | 1 20 | 20 23 | 1 39 | 23 22 | 0 25 | 17 32 | 1 45 | 16 52 | 17 19 | 22 23 | 22 9 | 23 59 | 2 26 | 5 4 |
| W19 | 20 44 | 10 41 | 3 4 | 23 27 | 1 27 | 6 49 | 2 7 | 15 9 | 0 17 | 10 15 | 1 19 | 20 22 | 1 39 | 23 22 | 0 25 | 17 32 | 1 45 | 16 51 | 17 18 | 22 23 | 22 10 | 23 59 | 2 26 | 5 4 |
| T 20 | 20 56 | 5 19 | 3 55 | 23 52 | 1 33 | 7 14 | 2 7 | 15 23 | 0 16 | 10 13 | 1 19 | 20 22 | 1 39 | 23 23 | 0 25 | 17 31 | 1 45 | 16 51 | 17 18 | 22 23 | 22 10 | 24 0 | 2 25 | 5 4 |
| F 21 | 21 7 | 0s28 | 4 36 | 24 15 | 1 40 | 7 39 | 2 7 | 15 36 | 0 16 | 10 12 | 1 19 | 20 21 | 1 39 | 23 23 | 0 26 | 17 31 | 1 45 | 16 51 | 17 17 | 22 23 | 22 10 | 24 1 | 2 24 | 5 5 |
| S 22 | 21 17 | 6 24 | 5 2 | 24 34 | 1 45 | 8 4 | 2 8 | 15 50 | 0 15 | 10 10 | 1 19 | 20 20 | 1 39 | 23 23 | 0 26 | 17 30 | 1 45 | 16 51 | 17 17 | 22 23 | 22 11 | 24 2 | 2 24 | 5 5 |
| S 23 | 21 27 | 12 12 | 5 10 | 24 51 | 1 50 | 8 29 | 2 8 | 16 3 | 0 14 | 10 9 | 1 19 | 20 20 | 1 39 | 23 23 | 0 26 | 17 30 | 1 45 | 16 50 | 17 16 | 22 24 | 22 11 | 24 3 | 2 23 | 5 5 |
| M24 | 21 37 | 17 28 | 4 58 | 25 5 | 1 54 | 8 54 | 2 7 | 16 16 | 0 14 | 10 7 | 1 18 | 20 19 | 1 39 | 23 23 | 0 26 | 17 30 | 1 45 | 16 50 | 17 16 | 22 25 | 22 12 | 24 4 | 2 23 | 5 5 |
| T 25 | 21 46 | 21 45 | 4 25 | 25 16 | 1 57 | 9 19 | 2 7 | 16 30 | 0 13 | 10 6 | 1 18 | 20 19 | 1 39 | 23 24 | 0 26 | 17 29 | 1 45 | 16 49 | 17 15 | 22 26 | 22 12 | 24 5 | 2 22 | 5 6 |
| W26 | 21 55 | 24 34 | 3 33 | 25 25 | 1 59 | 9 43 | 2 7 | 16 42 | 0 12 | 10 4 | 1 18 | 20 18 | 1 39 | 23 24 | 0 26 | 17 29 | 1 45 | 16 49 | 17 15 | 22 26 | 22 13 | 24 6 | 2 21 | 5 6 |
| T 27 | 22 4 | 25 34 | 2 27 | 25 31 | 2 1 | 10 8 | 2 7 | 16 55 | 0 12 | 10 3 | 1 18 | 20 17 | 1 38 | 23 24 | 0 26 | 17 29 | 1 45 | 16 49 | 17 14 | 22 27 | 22 13 | 24 7 | 2 21 | 5 6 |
| F 28 | 22 12 | 24 40 | 1 10 | 25 35 | 2 2 | 10 32 | 2 6 | 17 8 | 0 11 | 10 2 | 1 17 | 20 17 | 1 38 | 23 24 | 0 26 | 17 28 | 1 45 | 16 48 | 17 14 | 22 27 | 22 14 | 24 8 | 2 20 | 5 6 |
| S 29 | 22 20 | 22 4 | 0n 9 | 25 37 | 2 3 | 10 56 | 2 6 | 17 20 | 0 10 | 10 1 | 1 17 | 20 16 | 1 38 | 23 24 | 0 26 | 17 28 | 1 45 | 16 48 | 17 13 | 22 27 | 22 14 | 24 8 | 2 20 | 5 7 |
| S 30 | 22 28 | 18 8 | 1 26 | 25 36 | 2 2 | 11 20 | 2 5 | 17 32 | 0 10 | 10 0 | 1 17 | 20 15 | 1 38 | 23 25 | 0 26 | 17 28 | 1 45 | 16 47 | 17 13 | 22 27 | 22 14 | 24 9 | 2 20 | 5 7 |
| M31 | 22n35 | 13s19 | 2n36 | 25n33 | 2n 1 | 11n44 | 2s 4 | 17n44 | 0s 9 | 9s58 | 1n17 | 20s15 | 1n38 | 23s25 | 0s26 | 17s27 | 1n45 | 16n47 | 17n12 | 22s27 | 22s15 | 24n10 | 2s19 | 5n 7 |

Julian Day Number = 2081314.5, Delta T = 25m32s
Ecliptic obliquity = 23°34'17, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'45, Lahiri = 9°43'45 Julian Calendar 1 May 986 == Greg. Calendar 6 May 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## JUNE 986 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 57 25 | 14♊43'41 | 0♓32 | 4♋38 | 7♉27 | 20♉53 | 28°R54 | 8°R34 | 12°R24 | 25°R 5 | 27°R20 | 17♂19 | 18♂43 | 0♊54 | 12♓ 8 | T 1 |
| W 2 | 17 1 21 | 15°40'52 | 13°32 | 6°18 | 8°37 | 21°35 | 28♎51 | 8♐29 | 12♂22 | 25♏ 3 | 27°D20 | 17°R20 | 18°40 | 1° 1 | 12° 9 | W 2 |
| T 3 | 17 5 18 | 16°38'03 | 26°10 | 7°55 | 9°47 | 22°17 | 28°48 | 8°25 | 12°20 | 25° 2 | 27♍20 | 17°19 | 18°37 | 1° 7 | 12° 9 | T 3 |
| F 4 | 17 9 15 | 17°35'14 | 8♈32 | 9°29 | 10°56 | 22°59 | 28°45 | 8°20 | 12°18 | 25° 0 | 27°20 | 17°17 | 18°33 | 1°14 | 12°10 | F 4 |
| S 5 | 17 13 11 | 18°32'25 | 20°40 | 11° 1 | 12° 7 | 23°41 | 28°42 | 8°16 | 12°15 | 24°59 | 27°20 | 17°14 | 18°30 | 1°21 | 12°10 | S 5 |
| S 6 | 17 17 8 | 19°29'36 | 2♉40 | 12°31 | 13°17 | 24°23 | 28°39 | 8°12 | 12°13 | 24°57 | 27°21 | 17°11 | 18°27 | 1°27 | 12°10 | S 6 |
| M 7 | 17 21 4 | 20°26'47 | 14°33 | 13°59 | 14°27 | 25° 5 | 28°37 | 8° 8 | 12°11 | 24°56 | 27°21 | 17° 6 | 18°24 | 1°34 | 12°10 | M 7 |
| T 8 | 17 25 1 | 21°23'58 | 26°23 | 15°23 | 15°37 | 25°47 | 28°34 | 8° 3 | 12° 9 | 24°54 | 27°21 | 17° 2 | 18°21 | 1°41 | 12°11 | T 8 |
| W 9 | 17 28 57 | 22°21'09 | 8♊13 | 16°46 | 16°47 | 26°29 | 28°32 | 7°59 | 12° 7 | 24°53 | 27°21 | 16°58 | 18°18 | 1°48 | 12°11 | W 9 |
| T 10 | 17 32 54 | 23°18'19 | 20° 4 | 18° 6 | 17°58 | 27°10 | 28°30 | 7°55 | 12° 4 | 24°52 | 27°21 | 16°55 | 18°14 | 1°54 | 12°R11 | T 10 |
| F 11 | 17 36 50 | 24°15'30 | 1♋59 | 19°23 | 19° 8 | 27°52 | 28°29 | 7°51 | 12° 2 | 24°50 | 27°22 | 16°53 | 18°11 | 2° 1 | 12°11 | F 11 |
| S 12 | 17 40 47 | 25°12'41 | 14° 0 | 20°38 | 20°19 | 28°34 | 28°27 | 7°47 | 12° 0 | 24°49 | 27°22 | 16°D52 | 18° 8 | 2° 8 | 12°10 | S 12 |
| S 13 | 17 44 44 | 26° 9'52 | 26° 8 | 21°50 | 21°29 | 29°15 | 28°25 | 7°43 | 11°58 | 24°48 | 27°22 | 16°52 | 18° 5 | 2°14 | 12°10 | S 13 |
| M14 | 17 48 40 | 27° 7'02 | 8♌27 | 22°59 | 22°40 | 29°57 | 28°24 | 7°39 | 11°55 | 24°46 | 27°23 | 16°53 | 18° 2 | 2°21 | 12°10 | M14 |
| T 15 | 17 52 37 | 28° 4'13 | 20°59 | 24° 6 | 23°50 | 0♊38 | 28°23 | 7°35 | 11°53 | 24°45 | 27°23 | 16°55 | 17°59 | 2°28 | 12°10 | T 15 |
| W16 | 17 56 33 | 29° 1'23 | 3♍46 | 25° 9 | 25° 1 | 1°19 | 28°22 | 7°31 | 11°51 | 24°44 | 27°24 | 16°56 | 17°55 | 2°34 | 12°10 | W16 |
| T 17 | 18 0 30 | 29°58'33 | 16°51 | 26°10 | 26°12 | 2° 1 | 28°22 | 7°27 | 11°48 | 24°42 | 27°24 | 16°57 | 17°52 | 2°41 | 12° 9 | T 17 |
| F 18 | 18 4 26 | 0♋55'43 | 0♎18 | 27° 7 | 27°23 | 2°42 | 28°21 | 7°23 | 11°46 | 24°41 | 27°25 | 16°R57 | 17°49 | 2°48 | 12° 9 | F 18 |
| S 19 | 18 8 23 | 1°52'53 | 14° 6 | 28° 2 | 28°33 | 3°23 | 28°21 | 7°19 | 11°44 | 24°40 | 27°25 | 16°57 | 17°46 | 2°54 | 12° 8 | S 19 |
| S 20 | 18 12 19 | 2°50'02 | 28°17 | 28°53 | 29°44 | 4° 4 | 28°D20 | 7°15 | 11°41 | 24°39 | 27°26 | 16°56 | 17°43 | 3° 1 | 12° 8 | S 20 |
| M21 | 18 16 16 | 3°47'12 | 12♏49 | 29°40 | 0♊55 | 4°45 | 28°20 | 7°12 | 11°39 | 24°38 | 27°26 | 16°55 | 17°39 | 3° 8 | 12° 7 | M21 |
| T 22 | 18 20 13 | 4°44'22 | 27°38 | 0♌24 | 2° 6 | 5°26 | 28°21 | 7° 8 | 11°37 | 24°37 | 27°27 | 16°53 | 17°36 | 3°14 | 12° 7 | T 22 |
| W23 | 18 24 9 | 5°41'32 | 12♐37 | 1° 4 | 3°17 | 6° 7 | 28°21 | 7° 4 | 11°34 | 24°35 | 27°28 | 16°52 | 17°33 | 3°21 | 12° 6 | W23 |
| T 24 | 18 28 6 | 6°38'42 | 27°38 | 1°41 | 4°29 | 6°48 | 28°22 | 7° 1 | 11°32 | 24°34 | 27°28 | 16°51 | 17°30 | 3°28 | 12° 5 | T 24 |
| F 25 | 18 32 2 | 7°35'53 | 12♂33 | 2°13 | 5°40 | 7°29 | 28°22 | 6°57 | 11°29 | 24°33 | 27°29 | 16°D51 | 17°27 | 3°35 | 12° 5 | F 25 |
| S 26 | 18 35 59 | 8°33'04 | 27°14 | 2°42 | 6°51 | 8°10 | 28°23 | 6°54 | 11°27 | 24°32 | 27°30 | 16°51 | 17°24 | 3°41 | 12° 4 | S 26 |
| S 27 | 18 39 55 | 9°30'15 | 11♒34 | 3° 6 | 8° 2 | 8°50 | 28°24 | 6°50 | 11°25 | 24°31 | 27°31 | 16°51 | 17°20 | 3°48 | 12° 3 | S 27 |
| M28 | 18 43 52 | 10°27'27 | 25°30 | 3°25 | 9°14 | 9°31 | 28°26 | 6°47 | 11°22 | 24°30 | 27°31 | 16°52 | 17°17 | 3°55 | 12° 2 | M28 |
| T 29 | 18 47 49 | 11°24'40 | 9♓ 0 | 3°40 | 10°25 | 10°12 | 28°27 | 6°44 | 11°20 | 24°29 | 27°32 | 16°52 | 17°14 | 4° 1 | 12° 1 | T 29 |
| W30 | 18 51 45 | 12♋21'53 | 22♓ 6 | 3♌50 | 11♊37 | 10♊52 | 28♎29 | 6♐41 | 11♂17 | 24♏28 | 27♍33 | 16♂53 | 17♂11 | 4♊ 8 | 12♓ 0 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n41 | 8s 0 | 3n35 | 25n29 | 1n59 | 12n 8 | 2s 4 | 17n56 | 0s 9 | 9s57 | 1n16 | 20s14 | 1n38 | 23s25 | 0s26 | 17s27 | 1n45 | 16n47 | 17n11 | 22s27 | 22s15 | 24n11 | 2s19 | 5n 7 |
| W 2 | 22 48 | 2 30 | 4 20 | 25 22 | 1 57 | 12 31 | 2 3 | 18 8 | 0 8 | 9 56 | 1 16 | 20 14 | 1 38 | 23 25 | 0 26 | 17 27 | 1 45 | 16 46 | 17 11 | 22 27 | 22 16 | 24 12 | 2 18 | 5 8 |
| T 3 | 22 54 | 2n56 | 4 52 | 25 14 | 1 54 | 12 54 | 2 2 | 18 20 | 0 7 | 9 56 | 1 16 | 20 13 | 1 38 | 23 25 | 0 26 | 17 26 | 1 45 | 16 46 | 17 10 | 22 27 | 22 16 | 24 13 | 2 18 | 5 8 |
| F 4 | 22 59 | 8 8 | 5 9 | 25 3 | 1 50 | 13 17 | 2 1 | 18 31 | 0 7 | 9 55 | 1 16 | 20 13 | 1 38 | 23 26 | 0 26 | 17 26 | 1 45 | 16 45 | 17 10 | 22 27 | 22 17 | 24 14 | 2 18 | 5 8 |
| S 5 | 23 4 | 12 56 | 5 12 | 24 52 | 1 46 | 13 39 | 2 0 | 18 42 | 0 6 | 9 54 | 1 15 | 20 12 | 1 38 | 23 26 | 0 26 | 17 26 | 1 44 | 16 45 | 17 9 | 22 27 | 22 17 | 24 14 | 2 17 | 5 8 |
| S 6 | 23 9 | 17 10 | 5 2 | 24 39 | 1 40 | 14 2 | 1 58 | 18 53 | 0 5 | 9 53 | 1 15 | 20 11 | 1 38 | 23 26 | 0 26 | 17 25 | 1 44 | 16 44 | 17 9 | 22 28 | 22 18 | 24 15 | 2 17 | 5 8 |
| M 7 | 23 14 | 20 43 | 4 38 | 24 24 | 1 35 | 14 24 | 1 57 | 19 4 | 0 5 | 9 53 | 1 15 | 20 11 | 1 37 | 23 26 | 0 26 | 17 25 | 1 44 | 16 43 | 17 8 | 22 28 | 22 18 | 24 16 | 2 17 | 5 9 |
| T 8 | 23 17 | 23 23 | 4 3 | 24 9 | 1 29 | 14 46 | 1 56 | 19 15 | 0 4 | 9 52 | 1 14 | 20 10 | 1 37 | 23 27 | 0 26 | 17 25 | 1 44 | 16 43 | 17 8 | 22 29 | 22 18 | 24 17 | 2 16 | 5 9 |
| W 9 | 23 21 | 25 2 | 3 17 | 23 52 | 1 22 | 15 7 | 1 54 | 19 25 | 0 3 | 9 52 | 1 14 | 20 10 | 1 37 | 23 27 | 0 26 | 17 24 | 1 44 | 16 42 | 17 7 | 22 29 | 22 19 | 24 18 | 2 16 | 5 9 |
| T 10 | 23 24 | 25 34 | 2 22 | 23 34 | 1 14 | 15 28 | 1 53 | 19 36 | 0 3 | 9 51 | 1 14 | 20 9 | 1 37 | 23 27 | 0 26 | 17 24 | 1 44 | 16 42 | 17 7 | 22 30 | 22 19 | 24 18 | 2 16 | 5 9 |
| F 11 | 23 27 | 24 54 | 1 21 | 23 15 | 1 6 | 15 49 | 1 51 | 19 46 | 0 2 | 9 51 | 1 14 | 20 9 | 1 37 | 23 27 | 0 26 | 17 24 | 1 44 | 16 41 | 17 6 | 22 30 | 22 20 | 24 19 | 2 16 | 5 10 |
| S 12 | 23 29 | 23 6 | 0 16 | 22 56 | 0 58 | 16 10 | 1 50 | 19 56 | 0 1 | 9 50 | 1 13 | 20 8 | 1 37 | 23 27 | 0 26 | 17 23 | 1 44 | 16 41 | 17 6 | 22 30 | 22 20 | 24 20 | 2 15 | 5 10 |
| S 13 | 23 31 | 20 12 | 0s51 | 22 36 | 0 49 | 16 30 | 1 48 | 20 6 | 0 1 | 9 50 | 1 13 | 20 8 | 1 37 | 23 28 | 0 26 | 17 23 | 1 44 | 16 40 | 17 5 | 22 30 | 22 21 | 24 21 | 2 15 | 5 10 |
| M14 | 23 32 | 16 23 | 1 56 | 22 15 | 0 39 | 16 49 | 1 46 | 20 15 | 0n 0 | 9 50 | 1 13 | 20 7 | 1 37 | 23 28 | 0 26 | 17 23 | 1 44 | 16 39 | 17 4 | 22 30 | 22 21 | 24 21 | 2 15 | 5 10 |
| T 15 | 23 33 | 11 47 | 2 57 | 21 53 | 0 29 | 17 9 | 1 45 | 20 25 | 0 1 | 9 50 | 1 13 | 20 6 | 1 36 | 23 28 | 0 26 | 17 23 | 1 44 | 16 39 | 17 4 | 22 30 | 22 21 | 24 22 | 2 15 | 5 11 |
| W16 | 23 34 | 6 36 | 3 51 | 21 32 | 0 19 | 17 28 | 1 43 | 20 34 | 0 2 | 9 50 | 1 12 | 20 6 | 1 36 | 23 28 | 0 26 | 17 22 | 1 44 | 16 38 | 17 3 | 22 30 | 22 22 | 24 23 | 2 15 | 5 11 |
| T 17 | 23 34 | 1 1 | 4 34 | 21 10 | 0 8 | 17 46 | 1 41 | 20 43 | 0 2 | 9 50 | 1 12 | 20 5 | 1 36 | 23 28 | 0 26 | 17 22 | 1 44 | 16 37 | 17 3 | 22 29 | 22 22 | 24 24 | 2 15 | 5 11 |
| F 18 | 23 34 | 4s45 | 5 3 | 20 47 | 0s 4 | 18 5 | 1 39 | 20 52 | 0 3 | 9 50 | 1 12 | 20 5 | 1 36 | 23 29 | 0 26 | 17 22 | 1 44 | 16 37 | 17 2 | 22 29 | 22 23 | 24 24 | 2 15 | 5 11 |
| S 19 | 23 33 | 10 26 | 5 16 | 20 25 | 0 16 | 18 22 | 1 37 | 21 0 | 0 4 | 9 50 | 1 11 | 20 4 | 1 36 | 23 29 | 0 26 | 17 22 | 1 44 | 16 36 | 17 2 | 22 29 | 22 23 | 24 25 | 2 15 | 5 12 |
| S 20 | 23 32 | 15 45 | 5 10 | 20 3 | 0 28 | 18 40 | 1 35 | 21 9 | 0 4 | 9 50 | 1 11 | 20 4 | 1 36 | 23 29 | 0 26 | 17 21 | 1 44 | 16 35 | 17 1 | 22 30 | 22 24 | 24 26 | 2 15 | 5 12 |
| M21 | 23 31 | 20 17 | 4 45 | 19 40 | 0 40 | 18 57 | 1 33 | 21 17 | 0 5 | 9 50 | 1 11 | 20 4 | 1 36 | 23 29 | 0 26 | 17 21 | 1 44 | 16 34 | 17 1 | 22 30 | 22 24 | 24 26 | 2 15 | 5 12 |
| T 22 | 23 29 | 23 38 | 4 0 | 19 18 | 0 53 | 19 13 | 1 30 | 21 25 | 0 6 | 9 51 | 1 11 | 20 3 | 1 36 | 23 30 | 0 26 | 17 21 | 1 44 | 16 34 | 17 0 | 22 30 | 22 24 | 24 27 | 2 15 | 5 12 |
| W23 | 23 27 | 25 23 | 2 59 | 18 57 | 1 7 | 19 29 | 1 28 | 21 33 | 0 6 | 9 51 | 1 10 | 20 3 | 1 35 | 23 30 | 0 26 | 17 21 | 1 44 | 16 33 | 17 0 | 22 30 | 22 25 | 24 28 | 2 15 | 5 12 |
| T 24 | 23 24 | 25 17 | 1 45 | 18 36 | 1 20 | 19 45 | 1 26 | 21 41 | 0 7 | 9 52 | 1 10 | 20 2 | 1 35 | 23 30 | 0 26 | 17 20 | 1 44 | 16 32 | 16 59 | 22 30 | 22 25 | 24 29 | 2 15 | 5 13 |
| F 25 | 23 21 | 23 22 | 0 24 | 18 15 | 1 34 | 20 0 | 1 24 | 21 48 | 0 8 | 9 52 | 1 10 | 20 2 | 1 35 | 23 30 | 0 26 | 17 20 | 1 44 | 16 31 | 16 59 | 22 30 | 22 26 | 24 29 | 2 15 | 5 13 |
| S 26 | 23 18 | 19 53 | 0n57 | 17 55 | 1 48 | 20 14 | 1 21 | 21 56 | 0 8 | 9 53 | 1 9 | 20 1 | 1 35 | 23 30 | 0 26 | 17 20 | 1 44 | 16 31 | 16 58 | 22 30 | 22 26 | 24 30 | 2 15 | 5 13 |
| S 27 | 23 14 | 15 17 | 2 13 | 17 36 | 2 2 | 20 28 | 1 19 | 22 3 | 0 9 | 9 53 | 1 9 | 20 1 | 1 35 | 23 31 | 0 26 | 17 20 | 1 44 | 16 30 | 16 58 | 22 30 | 22 26 | 24 31 | 2 15 | 5 13 |
| M28 | 23 9 | 9 58 | 3 18 | 17 18 | 2 16 | 20 42 | 1 16 | 22 10 | 0 10 | 9 54 | 1 9 | 20 1 | 1 35 | 23 31 | 0 26 | 17 20 | 1 44 | 16 29 | 16 57 | 22 30 | 22 27 | 24 31 | 2 15 | 5 14 |
| T 29 | 23 5 | 4 22 | 4 11 | 17 0 | 2 30 | 20 55 | 1 14 | 22 16 | 0 10 | 9 55 | 1 9 | 20 0 | 1 34 | 23 31 | 0 26 | 17 19 | 1 44 | 16 28 | 16 56 | 22 30 | 22 27 | 24 32 | 2 15 | 5 14 |
| W30 | 23n 0 | 1n15 | 4n48 | 16n44 | 2s44 | 21n 7 | 1s11 | 22n23 | 0n11 | 9s56 | 1n 8 | 20s 0 | 1n34 | 23s31 | 0s26 | 17s19 | 1n43 | 16n27 | 16n56 | 22s30 | 22s28 | 24n33 | 2s16 | 5n14 |

Julian Day Number = 2081345.5, Delta T = 25m31s
Ecliptic obliquity = 23°34'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'49, Lahiri = 9°43'49 Julian Calendar 1 June 986 == Greg. Calendar 6 June 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## JULY 986 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 55 42 | 13♋19'08 | 4♈48 | 3♌56 | 12♊48 | 11♊33 | 28♎31 | 6°R38 | 11°R15 | 24°R27 | 27♍34 | 16♑53 | 17♑ 8 | 4♊15 | 11°R59 | T 1 |
| F 2 | 18 59 38 | 14°16'23 | 17°11 | 3°R56 | 14° 0 | 12°13 | 28°32 | 6♐35 | 11♑13 | 24♏26 | 27°35 | 16°R53 | 17° 5 | 4°21 | 11♓58 | F 2 |
| S 3 | 19 3 35 | 15°13'39 | 29°20 | 3°52 | 15°12 | 12°54 | 28°35 | 6°32 | 11°10 | 24°25 | 27°36 | 16°53 | 17° 1 | 4°28 | 11°57 | S 3 |
| S 4 | 19 7 31 | 16°10'56 | 11♉18 | 3°43 | 16°23 | 13°34 | 28°37 | 6°29 | 11° 8 | 24°25 | 27°37 | 16°53 | 16°58 | 4°35 | 11°55 | S 4 |
| M 5 | 19 11 28 | 17° 8'14 | 23° 9 | 3°28 | 17°35 | 14°14 | 28°39 | 6°26 | 11° 5 | 24°24 | 27°38 | 16°D53 | 16°55 | 4°41 | 11°54 | M 5 |
| T 6 | 19 15 24 | 18° 5'33 | 4♊59 | 3° 9 | 18°47 | 14°54 | 28°42 | 6°23 | 11° 3 | 24°23 | 27°39 | 16°53 | 16°52 | 4°48 | 11°53 | T 6 |
| W 7 | 19 19 21 | 19° 2'53 | 16°50 | 2°45 | 19°59 | 15°35 | 28°45 | 6°21 | 11° 1 | 24°22 | 27°40 | 16°53 | 16°49 | 4°55 | 11°51 | W 7 |
| T 8 | 19 23 18 | 20° 0'14 | 28°46 | 2°17 | 21°11 | 16°15 | 28°48 | 6°18 | 10°58 | 24°21 | 27°41 | 16°53 | 16°45 | 5° 1 | 11°50 | T 8 |
| F 9 | 19 27 14 | 20°57'36 | 10♋48 | 1°44 | 22°23 | 16°55 | 28°51 | 6°15 | 10°56 | 24°21 | 27°43 | 16°54 | 16°42 | 5° 8 | 11°49 | F 9 |
| S 10 | 19 31 11 | 21°54'59 | 23° 1 | 1° 8 | 23°35 | 17°35 | 28°55 | 6°13 | 10°54 | 24°20 | 27°44 | 16°R54 | 16°39 | 5°15 | 11°47 | S 10 |
| S 11 | 19 35 7 | 22°52'22 | 5♌24 | 0°28 | 24°47 | 18°15 | 28°58 | 6°11 | 10°51 | 24°19 | 27°45 | 16°53 | 16°36 | 5°21 | 11°45 | S 11 |
| M12 | 19 39 4 | 23°49'47 | 17°59 | 29♋46 | 25°59 | 18°55 | 29° 2 | 6° 8 | 10°49 | 24°19 | 27°46 | 16°53 | 16°33 | 5°28 | 11°44 | M12 |
| T 13 | 19 43 0 | 24°47'12 | 0♍48 | 29° 2 | 27°11 | 19°34 | 29° 6 | 6° 6 | 10°47 | 24°18 | 27°48 | 16°52 | 16°30 | 5°35 | 11°42 | T 13 |
| W14 | 19 46 57 | 25°44'38 | 13°51 | 28°16 | 28°23 | 20°14 | 29°10 | 6° 4 | 10°44 | 24°18 | 27°49 | 16°51 | 16°26 | 5°41 | 11°41 | W14 |
| T 15 | 19 50 53 | 26°42'05 | 27° 9 | 27°30 | 29°36 | 20°54 | 29°14 | 6° 2 | 10°42 | 24°17 | 27°50 | 16°50 | 16°23 | 5°48 | 11°39 | T 15 |
| F 16 | 19 54 50 | 27°39'32 | 10♎42 | 26°44 | 0♋48 | 21°33 | 29°18 | 6° 0 | 10°40 | 24°16 | 27°52 | 16°49 | 16°20 | 5°55 | 11°37 | F 16 |
| S 17 | 19 58 47 | 28°37'00 | 24°30 | 25°59 | 2° 0 | 22°13 | 29°23 | 5°58 | 10°37 | 24°16 | 27°53 | 16°D48 | 16°17 | 6° 1 | 11°35 | S 17 |
| S 18 | 20 2 43 | 29°34'30 | 8♏34 | 25°16 | 3°13 | 22°53 | 29°28 | 5°57 | 10°35 | 24°15 | 27°55 | 16°48 | 16°14 | 6° 8 | 11°33 | S 18 |
| M19 | 20 6 40 | 0♌32'00 | 22°50 | 24°36 | 4°25 | 23°32 | 29°32 | 5°55 | 10°33 | 24°15 | 27°56 | 16°49 | 16°10 | 6°15 | 11°32 | M19 |
| T 20 | 20 10 36 | 1°29'31 | 7♐18 | 24° 0 | 5°38 | 24°11 | 29°37 | 5°53 | 10°31 | 24°15 | 27°57 | 16°50 | 16° 7 | 6°22 | 11°30 | T 20 |
| W21 | 20 14 33 | 2°27'02 | 21°53 | 23°29 | 6°50 | 24°51 | 29°42 | 5°52 | 10°29 | 24°14 | 27°59 | 16°51 | 16° 4 | 6°28 | 11°28 | W21 |
| T 22 | 20 18 29 | 3°24'35 | 6♑31 | 23° 2 | 8° 3 | 25°30 | 29°48 | 5°51 | 10°26 | 24°14 | 28° 1 | 16°52 | 16° 1 | 6°35 | 11°26 | T 22 |
| F 23 | 20 22 26 | 4°22'09 | 21° 6 | 22°41 | 9°16 | 26° 9 | 29°53 | 5°49 | 10°24 | 24°14 | 28° 2 | 16°R52 | 15°58 | 6°42 | 11°24 | F 23 |
| S 24 | 20 26 22 | 5°19'44 | 5♒32 | 22°26 | 10°28 | 26°48 | 29°59 | 5°48 | 10°22 | 24°13 | 28° 4 | 16°51 | 15°55 | 6°48 | 11°22 | S 24 |
| S 25 | 20 30 19 | 6°17'21 | 19°43 | 22°18 | 11°41 | 27°28 | 0♏ 5 | 5°47 | 10°20 | 24°13 | 28° 5 | 16°50 | 15°51 | 6°55 | 11°19 | S 25 |
| M26 | 20 34 16 | 7°14'58 | 3♓34 | 22°D17 | 12°54 | 28° 7 | 0°11 | 5°46 | 10°18 | 24°13 | 28° 7 | 16°47 | 15°48 | 7° 2 | 11°17 | M26 |
| T 27 | 20 38 12 | 8°12'37 | 17° 4 | 22°23 | 14° 7 | 28°46 | 0°17 | 5°45 | 10°16 | 24°13 | 28° 9 | 16°44 | 15°45 | 7° 8 | 11°15 | T 27 |
| W28 | 20 42 9 | 9°10'18 | 0♈11 | 22°37 | 15°20 | 29°25 | 0°23 | 5°44 | 10°14 | 24°13 | 28°10 | 16°41 | 15°42 | 7°15 | 11°13 | W28 |
| T 29 | 20 46 5 | 10° 8'00 | 12°56 | 22°58 | 16°33 | 0♋ 3 | 0°29 | 5°43 | 10°12 | 24°13 | 28°12 | 16°38 | 15°39 | 7°22 | 11°11 | T 29 |
| F 30 | 20 50 2 | 11° 5'44 | 25°22 | 23°26 | 17°46 | 0°42 | 0°36 | 5°43 | 10°10 | 24°12 | 28°14 | 16°36 | 15°36 | 7°28 | 11° 8 | F 30 |
| S 31 | 20 53 58 | 12♌ 3'30 | 7♉31 | 24♋ 2 | 18♋59 | 1♋21 | 0♏42 | 5♐42 | 10♑ 8 | 24♏12 | 28♍15 | 16°D35 | 15♑32 | 7♊35 | 11♓ 6 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n54 | 6n40 | 5n10 | 16n29 | 2s58 | 21n19 | 1s 9 | 22n29 | 0n12 | 9s57 | 1n 8 | 19s59 | 1n34 | 23s32 | 0s26 | 17s19 | 1n43 | 16n27 | 16n55 | 22s30 | 22s28 | 24n33 | 2s16 | 5n14 |
| F 2 | 22 48 | 11 40 | 5 17 | 16 16 | 3 12 | 21 31 | 1 6 | 22 35 | 0 13 | 9 58 | 1 8 | 19 59 | 1 34 | 23 32 | 0 26 | 17 19 | 1 43 | 16 26 | 16 55 | 22 30 | 22 28 | 24 34 | 2 16 | 5 14 |
| S 3 | 22 42 | 16 7 | 5 10 | 16 4 | 3 25 | 21 41 | 1 4 | 22 41 | 0 13 | 9 59 | 1 8 | 19 59 | 1 34 | 23 32 | 0 26 | 17 19 | 1 43 | 16 25 | 16 54 | 22 30 | 22 29 | 24 34 | 2 16 | 5 15 |
| S 4 | 22 35 | 19 52 | 4 49 | 15 54 | 3 38 | 21 52 | 1 1 | 22 47 | 0 14 | 10 0 | 1 7 | 19 58 | 1 34 | 23 32 | 0 26 | 17 18 | 1 43 | 16 24 | 16 54 | 22 30 | 22 29 | 24 35 | 2 17 | 5 15 |
| M 5 | 22 28 | 22 47 | 4 16 | 15 45 | 3 50 | 22 1 | 0 58 | 22 53 | 0 15 | 10 1 | 1 7 | 19 58 | 1 33 | 23 32 | 0 26 | 17 18 | 1 43 | 16 23 | 16 53 | 22 30 | 22 30 | 24 36 | 2 17 | 5 15 |
| T 6 | 22 20 | 24 43 | 3 32 | 15 38 | 4 2 | 22 10 | 0 56 | 22 58 | 0 15 | 10 2 | 1 7 | 19 58 | 1 33 | 23 33 | 0 26 | 17 18 | 1 43 | 16 22 | 16 53 | 22 30 | 22 30 | 24 36 | 2 17 | 5 15 |
| W 7 | 22 13 | 25 33 | 2 39 | 15 33 | 4 12 | 22 19 | 0 53 | 23 3 | 0 16 | 10 3 | 1 6 | 19 58 | 1 33 | 23 33 | 0 26 | 17 18 | 1 43 | 16 21 | 16 52 | 22 30 | 22 30 | 24 37 | 2 18 | 5 15 |
| T 8 | 22 4 | 25 13 | 1 39 | 15 30 | 4 22 | 22 26 | 0 50 | 23 8 | 0 17 | 10 5 | 1 6 | 19 57 | 1 33 | 23 33 | 0 26 | 17 18 | 1 43 | 16 20 | 16 52 | 22 30 | 22 31 | 24 38 | 2 18 | 5 16 |
| F 9 | 21 56 | 23 41 | 0 34 | 15 29 | 4 31 | 22 34 | 0 48 | 23 13 | 0 17 | 10 6 | 1 6 | 19 57 | 1 33 | 23 33 | 0 26 | 17 18 | 1 43 | 16 19 | 16 51 | 22 30 | 22 31 | 24 38 | 2 18 | 5 16 |
| S 10 | 21 47 | 21 2 | 0s34 | 15 30 | 4 38 | 22 40 | 0 45 | 23 17 | 0 18 | 10 8 | 1 6 | 19 57 | 1 32 | 23 33 | 0 26 | 17 18 | 1 43 | 16 19 | 16 51 | 22 30 | 22 32 | 24 39 | 2 19 | 5 16 |
| S 11 | 21 37 | 17 24 | 1 41 | 15 33 | 4 44 | 22 46 | 0 42 | 23 22 | 0 19 | 10 9 | 1 5 | 19 57 | 1 32 | 23 34 | 0 26 | 17 18 | 1 43 | 16 18 | 16 50 | 22 30 | 22 32 | 24 39 | 2 19 | 5 16 |
| M12 | 21 27 | 12 55 | 2 44 | 15 37 | 4 48 | 22 51 | 0 39 | 23 26 | 0 20 | 10 11 | 1 5 | 19 56 | 1 32 | 23 34 | 0 26 | 17 17 | 1 43 | 16 17 | 16 50 | 22 30 | 22 32 | 24 40 | 2 20 | 5 16 |
| T 13 | 21 17 | 7 49 | 3 40 | 15 44 | 4 50 | 22 56 | 0 36 | 23 30 | 0 20 | 10 12 | 1 5 | 19 56 | 1 32 | 23 34 | 0 26 | 17 17 | 1 43 | 16 16 | 16 50 | 22 30 | 22 33 | 24 40 | 2 20 | 5 17 |
| W14 | 21 7 | 2 18 | 4 26 | 15 52 | 4 51 | 23 0 | 0 34 | 23 33 | 0 21 | 10 14 | 1 5 | 19 56 | 1 32 | 23 34 | 0 26 | 17 17 | 1 43 | 16 15 | 16 49 | 22 30 | 22 33 | 24 41 | 2 20 | 5 17 |
| T 15 | 20 56 | 3s25 | 4 58 | 16 2 | 4 50 | 23 3 | 0 31 | 23 37 | 0 22 | 10 16 | 1 4 | 19 56 | 1 31 | 23 34 | 0 26 | 17 17 | 1 43 | 16 14 | 16 49 | 22 30 | 22 34 | 24 41 | 2 21 | 5 17 |
| F 16 | 20 45 | 9 5 | 5 15 | 16 14 | 4 47 | 23 6 | 0 28 | 23 40 | 0 22 | 10 17 | 1 4 | 19 56 | 1 31 | 23 35 | 0 26 | 17 17 | 1 43 | 16 13 | 16 48 | 22 30 | 22 34 | 24 42 | 2 21 | 5 17 |
| S 17 | 20 33 | 14 24 | 5 14 | 16 26 | 4 43 | 23 8 | 0 25 | 23 43 | 0 23 | 10 19 | 1 4 | 19 56 | 1 31 | 23 35 | 0 26 | 17 17 | 1 43 | 16 12 | 16 48 | 22 30 | 22 34 | 24 43 | 2 22 | 5 17 |
| S 18 | 20 21 | 19 4 | 4 54 | 16 40 | 4 36 | 23 9 | 0 22 | 23 46 | 0 24 | 10 21 | 1 3 | 19 56 | 1 31 | 23 35 | 0 26 | 17 17 | 1 43 | 16 11 | 16 47 | 22 30 | 22 35 | 24 43 | 2 23 | 5 17 |
| M19 | 20 9 | 22 43 | 4 16 | 16 55 | 4 28 | 23 10 | 0 20 | 23 49 | 0 24 | 10 23 | 1 3 | 19 55 | 1 31 | 23 35 | 0 26 | 17 17 | 1 42 | 16 10 | 16 47 | 22 30 | 22 35 | 24 44 | 2 23 | 5 18 |
| T 20 | 19 56 | 24 58 | 3 22 | 17 11 | 4 18 | 23 10 | 0 17 | 23 52 | 0 25 | 10 25 | 1 3 | 19 55 | 1 31 | 23 35 | 0 26 | 17 17 | 1 42 | 16 9 | 16 46 | 22 30 | 22 36 | 24 44 | 2 24 | 5 18 |
| W21 | 19 43 | 25 33 | 2 14 | 17 28 | 4 7 | 23 10 | 0 14 | 23 54 | 0 26 | 10 27 | 1 3 | 19 55 | 1 30 | 23 35 | 0 26 | 17 17 | 1 42 | 16 8 | 16 46 | 22 30 | 22 36 | 24 45 | 2 24 | 5 18 |
| T 22 | 19 30 | 24 21 | 0 57 | 17 44 | 3 55 | 23 8 | 0 11 | 23 56 | 0 27 | 10 29 | 1 2 | 19 55 | 1 30 | 23 36 | 0 26 | 17 17 | 1 42 | 16 7 | 16 46 | 22 30 | 22 36 | 24 45 | 2 25 | 5 18 |
| F 23 | 19 16 | 21 31 | 0n23 | 18 1 | 3 41 | 23 6 | 0 9 | 23 58 | 0 27 | 10 31 | 1 2 | 19 55 | 1 30 | 23 36 | 0 26 | 17 17 | 1 42 | 16 6 | 16 45 | 22 30 | 22 37 | 24 46 | 2 26 | 5 18 |
| S 24 | 19 2 | 17 21 | 1 41 | 18 18 | 3 26 | 23 4 | 0 6 | 24 0 | 0 28 | 10 34 | 1 2 | 19 55 | 1 30 | 23 36 | 0 26 | 17 17 | 1 42 | 16 5 | 16 45 | 22 30 | 22 37 | 24 46 | 2 26 | 5 18 |
| S 25 | 18 48 | 12 16 | 2 51 | 18 35 | 3 11 | 23 0 | 0 3 | 24 2 | 0 29 | 10 36 | 1 2 | 19 55 | 1 29 | 23 36 | 0 26 | 17 17 | 1 42 | 16 4 | 16 44 | 22 30 | 22 37 | 24 47 | 2 27 | 5 18 |
| M26 | 18 34 | 6 41 | 3 50 | 18 51 | 2 55 | 22 56 | 0 0 | 24 3 | 0 29 | 10 38 | 1 1 | 19 55 | 1 29 | 23 36 | 0 26 | 17 17 | 1 42 | 16 3 | 16 44 | 22 31 | 22 38 | 24 47 | 2 28 | 5 19 |
| T 27 | 18 19 | 0 56 | 4 34 | 19 6 | 2 38 | 22 52 | 0n 2 | 24 4 | 0 30 | 10 41 | 1 1 | 19 55 | 1 29 | 23 36 | 0 26 | 17 17 | 1 42 | 16 2 | 16 43 | 22 31 | 22 38 | 24 47 | 2 28 | 5 19 |
| W28 | 18 4 | 4n41 | 5 2 | 19 21 | 2 21 | 22 46 | 0 5 | 24 5 | 0 31 | 10 43 | 1 1 | 19 55 | 1 29 | 23 37 | 0 26 | 17 17 | 1 42 | 16 1 | 16 43 | 22 31 | 22 39 | 24 48 | 2 29 | 5 19 |
| T 29 | 17 48 | 9 57 | 5 14 | 19 34 | 2 4 | 22 40 | 0 8 | 24 6 | 0 32 | 10 45 | 1 1 | 19 55 | 1 29 | 23 37 | 0 26 | 17 17 | 1 42 | 16 0 | 16 43 | 22 32 | 22 39 | 24 48 | 2 30 | 5 19 |
| F 30 | 17 32 | 14 41 | 5 11 | 19 46 | 1 47 | 22 34 | 0 11 | 24 7 | 0 32 | 10 48 | 1 0 | 19 56 | 1 28 | 23 37 | 0 26 | 17 17 | 1 42 | 15 59 | 16 42 | 22 32 | 22 39 | 24 49 | 2 31 | 5 19 |
| S 31 | 17n16 | 18n43 | 4n54 | 19n57 | 1s29 | 22n26 | 0n13 | 24n 7 | 0n33 | 10s50 | 1n 0 | 19s56 | 1n28 | 23s37 | 0s26 | 17s17 | 1n42 | 15n58 | 16n42 | 22s32 | 22s40 | 24n49 | 2s31 | 5n19 |

Julian Day Number = 2081375.5, Delta T = 25m31s
Ecliptic obliquity = 23°34'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'53, Lahiri = 9°43'54 Julian Calendar 1 July 986 == Greg. Calendar 6 July 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## AUGUST 986 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 57 55 | 13♌ 1'17 | 19♉30 | 24♋45 | 20♋12 | 2♋ 0 | 0♏49 | 5°R42 | 10°R 6 | 24°D12 | 28♍17 | 16♎35 | 15♎29 | 7♊42 | 11°R 4 | S 1 |
| M 2 | 21 1 51 | 13°59'06 | 1♊21 | 25°35 | 21°25 | 2°38 | 0°56 | 5♐41 | 10♎ 4 | 24♏12 | 28°19 | 16°37 | 15°26 | 7°48 | 11♓ 1 | M 2 |
| T 3 | 21 5 48 | 14°56'57 | 13°11 | 26°32 | 22°38 | 3°17 | 1° 3 | 5°41 | 10° 2 | 24°12 | 28°21 | 16°38 | 15°23 | 7°55 | 10°59 | T 3 |
| W 4 | 21 9 45 | 15°54'50 | 25° 4 | 27°36 | 23°52 | 3°55 | 1°10 | 5°41 | 10° 1 | 24°13 | 28°23 | 16°40 | 15°20 | 8° 2 | 10°57 | W 4 |
| T 5 | 21 13 41 | 16°52'45 | 7♋ 4 | 28°47 | 25° 5 | 4°34 | 1°17 | 5°D41 | 9°59 | 24°13 | 28°25 | 16°41 | 15°16 | 8° 8 | 10°54 | T 5 |
| F 6 | 21 17 38 | 17°50'41 | 19°15 | 0♌ 3 | 26°18 | 5°12 | 1°25 | 5°41 | 9°57 | 24°13 | 28°26 | 16°R42 | 15°13 | 8°15 | 10°52 | F 6 |
| S 7 | 21 21 34 | 18°48'39 | 1♌39 | 1°25 | 27°32 | 5°51 | 1°32 | 5°41 | 9°55 | 24°13 | 28°28 | 16°41 | 15°10 | 8°22 | 10°49 | S 7 |
| S 8 | 21 25 31 | 19°46'38 | 14°19 | 2°53 | 28°45 | 6°29 | 1°40 | 5°41 | 9°54 | 24°13 | 28°30 | 16°38 | 15° 7 | 8°28 | 10°47 | S 8 |
| M 9 | 21 29 27 | 20°44'40 | 27°16 | 4°25 | 29°59 | 7° 7 | 1°48 | 5°42 | 9°52 | 24°13 | 28°32 | 16°34 | 15° 4 | 8°35 | 10°44 | M 9 |
| T 10 | 21 33 24 | 21°42'43 | 10♍27 | 6° 1 | 1♌12 | 7°45 | 1°56 | 5°42 | 9°51 | 24°14 | 28°34 | 16°29 | 15° 1 | 8°42 | 10°42 | T 10 |
| W11 | 21 37 20 | 22°40'47 | 23°54 | 7°42 | 2°26 | 8°23 | 2° 4 | 5°43 | 9°49 | 24°14 | 28°36 | 16°23 | 14°57 | 8°48 | 10°39 | W11 |
| T 12 | 21 41 17 | 23°38'53 | 7♎34 | 9°25 | 3°40 | 9° 1 | 2°12 | 5°43 | 9°47 | 24°14 | 28°38 | 16°17 | 14°54 | 8°55 | 10°36 | T 12 |
| F 13 | 21 45 14 | 24°37'01 | 21°23 | 11°12 | 4°53 | 9°39 | 2°21 | 5°44 | 9°46 | 24°15 | 28°40 | 16°12 | 14°51 | 9° 2 | 10°34 | F 13 |
| S 14 | 21 49 10 | 25°35'10 | 5♏22 | 13° 1 | 6° 7 | 10°17 | 2°29 | 5°45 | 9°44 | 24°15 | 28°42 | 16° 9 | 14°48 | 9° 8 | 10°31 | S 14 |
| S 15 | 21 53 7 | 26°33'20 | 19°26 | 14°52 | 7°21 | 10°55 | 2°38 | 5°46 | 9°43 | 24°16 | 28°44 | 16° 7 | 14°45 | 9°15 | 10°29 | S 15 |
| M16 | 21 57 3 | 27°31'32 | 3♐35 | 16°45 | 8°35 | 11°33 | 2°46 | 5°47 | 9°42 | 24°16 | 28°46 | 16°D 7 | 14°42 | 9°22 | 10°26 | M16 |
| T 17 | 22 1 0 | 28°29'46 | 17°47 | 18°38 | 9°49 | 12°11 | 2°55 | 5°48 | 9°40 | 24°17 | 28°48 | 16° 8 | 14°38 | 9°28 | 10°23 | T 17 |
| W18 | 22 4 56 | 29°28'01 | 2♑ 0 | 20°33 | 11° 2 | 12°48 | 3° 4 | 5°49 | 9°39 | 24°17 | 28°51 | 16° 9 | 14°35 | 9°35 | 10°20 | W18 |
| T 19 | 22 8 53 | 0♍26'18 | 16°12 | 22°28 | 12°16 | 13°26 | 3°13 | 5°50 | 9°38 | 24°18 | 28°53 | 16°R10 | 14°32 | 9°42 | 10°18 | T 19 |
| F 20 | 22 12 49 | 1°24'36 | 0♒21 | 24°23 | 13°30 | 14° 3 | 3°22 | 5°52 | 9°37 | 24°18 | 28°55 | 16° 9 | 14°29 | 9°48 | 10°15 | F 20 |
| S 21 | 22 16 46 | 2°22'56 | 14°22 | 26°18 | 14°44 | 14°41 | 3°31 | 5°53 | 9°36 | 24°19 | 28°57 | 16° 6 | 14°26 | 9°55 | 10°12 | S 21 |
| S 22 | 22 20 43 | 3°21'18 | 28°13 | 28°13 | 15°58 | 15°18 | 3°41 | 5°55 | 9°34 | 24°20 | 28°59 | 16° 1 | 14°22 | 10° 2 | 10°10 | S 22 |
| M23 | 22 24 39 | 4°19'41 | 11♓50 | 0♍ 8 | 17°13 | 15°56 | 3°50 | 5°56 | 9°33 | 24°20 | 29° 1 | 15°54 | 14°19 | 10° 8 | 10° 7 | M23 |
| T 24 | 22 28 36 | 5°18'07 | 25° 9 | 2° 2 | 18°27 | 16°33 | 4° 0 | 5°58 | 9°32 | 24°21 | 29° 4 | 15°46 | 14°16 | 10°15 | 10° 4 | T 24 |
| W25 | 22 32 32 | 6°16'34 | 8♈10 | 3°56 | 19°41 | 17°10 | 4° 9 | 6° 0 | 9°31 | 24°22 | 29° 6 | 15°37 | 14°13 | 10°22 | 10° 1 | W25 |
| T 26 | 22 36 29 | 7°15'04 | 20°53 | 5°48 | 20°55 | 17°47 | 4°19 | 6° 2 | 9°30 | 24°23 | 29° 8 | 15°29 | 14°10 | 10°28 | 9°59 | T 26 |
| F 27 | 22 40 25 | 8°13'36 | 3♉17 | 7°40 | 22° 9 | 18°24 | 4°29 | 6° 4 | 9°29 | 24°23 | 29°10 | 15°22 | 14° 7 | 10°35 | 9°56 | F 27 |
| S 28 | 22 44 22 | 9°12'10 | 15°26 | 9°31 | 23°24 | 19° 1 | 4°39 | 6° 6 | 9°29 | 24°24 | 29°12 | 15°17 | 14° 3 | 10°42 | 9°53 | S 28 |
| S 29 | 22 48 18 | 10°10'46 | 27°24 | 11°21 | 24°38 | 19°38 | 4°49 | 6° 9 | 9°28 | 24°25 | 29°15 | 15°14 | 14° 0 | 10°48 | 9°50 | S 29 |
| M30 | 22 52 15 | 11° 9'25 | 9♊15 | 13°11 | 25°52 | 20°15 | 4°59 | 6°11 | 9°27 | 24°26 | 29°17 | 15°D13 | 13°57 | 10°55 | 9°48 | M30 |
| T 31 | 22 56 11 | 12♍ 8'05 | 21♊ 5 | 14♍59 | 27♌ 7 | 20♋52 | 5♏10 | 6♐13 | 9♑26 | 24♏27 | 29♍19 | 15♎13 | 13♎54 | 11♊ 2 | 9♓45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | lat |
| S 1 | 17n 0 | 21n56 | 4n24 | 20n 6 | 1s13 | 22n18 | 0n16 | 24n 7 | 0n34 | 10s53 | 1n 0 | 19s56 | 1n28 | 23s37 | 0s26 | 17s17 | 1n42 | 15n57 | 16n42 | 22s32 | 22s40 | 24n50 | 2s32 | 5n19 |
| M 2 | 16 43 | 24 12 | 3 44 | 20 13 | 0 56 | 22 10 | 0 18 | 24 7 | 0 35 | 10 56 | 1 0 | 19 56 | 1 28 | 23 37 | 0 26 | 17 17 | 1 42 | 15 56 | 16 41 | 22 32 | 22 40 | 24 50 | 2 33 | 5 19 |
| T 3 | 16 26 | 25 23 | 2 54 | 20 18 | 0 40 | 22 0 | 0 21 | 24 7 | 0 35 | 10 58 | 1 0 | 19 56 | 1 28 | 23 37 | 0 26 | 17 17 | 1 42 | 15 55 | 16 41 | 22 32 | 22 41 | 24 51 | 2 34 | 5 19 |
| W 4 | 16 9 | 25 24 | 1 56 | 20 21 | 0 25 | 21 50 | 0 24 | 24 7 | 0 36 | 11 1 | 0 59 | 19 56 | 1 27 | 23 38 | 0 26 | 17 17 | 1 42 | 15 54 | 16 41 | 22 32 | 22 41 | 24 51 | 2 35 | 5 20 |
| T 5 | 15 52 | 24 15 | 0 53 | 20 22 | 0 10 | 21 40 | 0 26 | 24 6 | 0 37 | 11 4 | 0 59 | 19 56 | 1 27 | 23 38 | 0 26 | 17 17 | 1 41 | 15 53 | 16 40 | 22 31 | 22 41 | 24 51 | 2 35 | 5 20 |
| F 6 | 15 34 | 21 57 | 0s14 | 20 19 | 0n 5 | 21 28 | 0 28 | 24 6 | 0 37 | 11 7 | 0 59 | 19 57 | 1 27 | 23 38 | 0 26 | 17 17 | 1 41 | 15 51 | 16 40 | 22 31 | 22 42 | 24 52 | 2 36 | 5 20 |
| S 7 | 15 16 | 18 35 | 1 21 | 20 15 | 0 18 | 21 16 | 0 31 | 24 5 | 0 38 | 11 10 | 0 59 | 19 57 | 1 27 | 23 38 | 0 26 | 17 18 | 1 41 | 15 50 | 16 40 | 22 31 | 22 42 | 24 52 | 2 37 | 5 20 |
| S 8 | 14 58 | 14 18 | 2 25 | 20 7 | 0 30 | 21 4 | 0 33 | 24 4 | 0 39 | 11 12 | 0 58 | 19 57 | 1 27 | 23 38 | 0 26 | 17 18 | 1 41 | 15 49 | 16 39 | 22 32 | 22 43 | 24 53 | 2 38 | 5 20 |
| M 9 | 14 39 | 9 18 | 3 23 | 19 57 | 0 42 | 20 51 | 0 36 | 24 2 | 0 40 | 11 15 | 0 58 | 19 57 | 1 26 | 23 38 | 0 26 | 17 18 | 1 41 | 15 48 | 16 39 | 22 32 | 22 43 | 24 53 | 2 39 | 5 20 |
| T 10 | 14 21 | 3 48 | 4 12 | 19 43 | 0 53 | 20 37 | 0 38 | 24 1 | 0 40 | 11 18 | 0 58 | 19 58 | 1 26 | 23 38 | 0 26 | 17 18 | 1 41 | 15 47 | 16 39 | 22 33 | 22 43 | 24 53 | 2 40 | 5 20 |
| W11 | 14 2 | 1s57 | 4 47 | 19 27 | 1 2 | 20 23 | 0 40 | 23 59 | 0 41 | 11 21 | 0 58 | 19 58 | 1 26 | 23 38 | 0 26 | 17 18 | 1 41 | 15 46 | 16 38 | 22 34 | 22 44 | 24 54 | 2 41 | 5 20 |
| T 12 | 13 43 | 7 42 | 5 7 | 19 8 | 1 11 | 20 8 | 0 43 | 23 58 | 0 42 | 11 24 | 0 57 | 19 58 | 1 26 | 23 38 | 0 26 | 17 18 | 1 41 | 15 45 | 16 38 | 22 34 | 22 44 | 24 54 | 2 42 | 5 20 |
| F 13 | 13 23 | 13 9 | 5 9 | 18 47 | 1 19 | 19 52 | 0 45 | 23 56 | 0 43 | 11 27 | 0 57 | 19 59 | 1 26 | 23 39 | 0 26 | 17 18 | 1 41 | 15 44 | 16 38 | 22 35 | 22 44 | 24 54 | 2 43 | 5 20 |
| S 14 | 13 4 | 17 59 | 4 53 | 18 22 | 1 26 | 19 36 | 0 47 | 23 53 | 0 43 | 11 31 | 0 57 | 19 59 | 1 25 | 23 39 | 0 26 | 17 19 | 1 41 | 15 43 | 16 37 | 22 35 | 22 45 | 24 55 | 2 44 | 5 20 |
| S 15 | 12 44 | 21 51 | 4 20 | 17 55 | 1 32 | 19 20 | 0 49 | 23 51 | 0 44 | 11 34 | 0 57 | 19 59 | 1 25 | 23 39 | 0 26 | 17 19 | 1 41 | 15 42 | 16 37 | 22 36 | 22 45 | 24 55 | 2 44 | 5 20 |
| M16 | 12 24 | 24 25 | 3 30 | 17 26 | 1 37 | 19 2 | 0 51 | 23 49 | 0 45 | 11 37 | 0 57 | 20 0 | 1 25 | 23 39 | 0 26 | 17 19 | 1 41 | 15 41 | 16 37 | 22 36 | 22 45 | 24 55 | 2 45 | 5 20 |
| T 17 | 12 4 | 25 27 | 2 28 | 16 55 | 1 40 | 18 45 | 0 53 | 23 46 | 0 46 | 11 40 | 0 56 | 20 0 | 1 25 | 23 39 | 0 26 | 17 19 | 1 41 | 15 40 | 16 37 | 22 35 | 22 46 | 24 56 | 2 46 | 5 20 |
| W18 | 11 43 | 24 49 | 1 16 | 16 21 | 1 44 | 18 26 | 0 55 | 23 43 | 0 46 | 11 43 | 0 56 | 20 1 | 1 25 | 23 39 | 0 26 | 17 19 | 1 41 | 15 39 | 16 36 | 22 35 | 22 46 | 24 56 | 2 47 | 5 20 |
| T 19 | 11 23 | 22 35 | 0n 0 | 15 46 | 1 46 | 18 7 | 0 57 | 23 40 | 0 47 | 11 47 | 0 56 | 20 1 | 1 24 | 23 39 | 0 26 | 17 19 | 1 41 | 15 38 | 16 36 | 22 35 | 22 46 | 24 56 | 2 48 | 5 20 |
| F 20 | 11 2 | 18 57 | 1 16 | 15 9 | 1 47 | 17 48 | 0 59 | 23 37 | 0 48 | 11 50 | 0 56 | 20 1 | 1 24 | 23 39 | 0 26 | 17 20 | 1 41 | 15 37 | 16 36 | 22 35 | 22 47 | 24 57 | 2 49 | 5 20 |
| S 21 | 10 41 | 14 17 | 2 26 | 14 31 | 1 48 | 17 28 | 1 1 | 23 34 | 0 49 | 11 53 | 0 56 | 20 2 | 1 24 | 23 39 | 0 26 | 17 20 | 1 40 | 15 36 | 16 36 | 22 36 | 22 47 | 24 57 | 2 51 | 5 20 |
| S 22 | 10 20 | 8 55 | 3 27 | 13 51 | 1 48 | 17 8 | 1 2 | 23 30 | 0 49 | 11 57 | 0 55 | 20 2 | 1 24 | 23 39 | 0 26 | 17 20 | 1 40 | 15 35 | 16 36 | 22 36 | 22 47 | 24 57 | 2 52 | 5 20 |
| M23 | 9 59 | 3 14 | 4 15 | 13 10 | 1 47 | 16 47 | 1 4 | 23 27 | 0 50 | 12 0 | 0 55 | 20 3 | 1 23 | 23 39 | 0 26 | 17 20 | 1 40 | 15 33 | 16 35 | 22 37 | 22 48 | 24 57 | 2 53 | 5 20 |
| T 24 | 9 37 | 2n27 | 4 47 | 12 28 | 1 46 | 16 25 | 1 6 | 23 23 | 0 51 | 12 3 | 0 55 | 20 3 | 1 23 | 23 39 | 0 26 | 17 21 | 1 40 | 15 32 | 16 35 | 22 38 | 22 48 | 24 58 | 2 54 | 5 20 |
| W25 | 9 16 | 7 55 | 5 4 | 11 45 | 1 44 | 16 4 | 1 7 | 23 19 | 0 52 | 12 7 | 0 55 | 20 4 | 1 23 | 23 40 | 0 26 | 17 21 | 1 40 | 15 31 | 16 35 | 22 39 | 22 48 | 24 58 | 2 55 | 5 20 |
| T 26 | 8 54 | 12 54 | 5 5 | 11 1 | 1 42 | 15 41 | 1 9 | 23 15 | 0 52 | 12 10 | 0 55 | 20 4 | 1 23 | 23 40 | 0 26 | 17 21 | 1 40 | 15 30 | 16 35 | 22 40 | 22 49 | 24 58 | 2 56 | 5 20 |
| F 27 | 8 32 | 17 14 | 4 52 | 10 16 | 1 39 | 15 19 | 1 10 | 23 11 | 0 53 | 12 14 | 0 54 | 20 5 | 1 23 | 23 40 | 0 26 | 17 21 | 1 40 | 15 29 | 16 35 | 22 41 | 22 49 | 24 58 | 2 57 | 5 20 |
| S 28 | 8 10 | 20 47 | 4 26 | 9 31 | 1 36 | 14 56 | 1 12 | 23 6 | 0 54 | 12 17 | 0 54 | 20 6 | 1 22 | 23 40 | 0 26 | 17 22 | 1 40 | 15 28 | 16 34 | 22 41 | 22 49 | 24 59 | 2 58 | 5 20 |
| S 29 | 7 48 | 23 23 | 3 48 | 8 46 | 1 32 | 14 32 | 1 13 | 23 2 | 0 55 | 12 21 | 0 54 | 20 6 | 1 22 | 23 40 | 0 26 | 17 22 | 1 40 | 15 27 | 16 34 | 22 42 | 22 50 | 24 59 | 2 59 | 5 20 |
| M30 | 7 25 | 24 56 | 3 1 | 8 0 | 1 28 | 14 8 | 1 14 | 22 57 | 0 55 | 12 25 | 0 54 | 20 7 | 1 22 | 23 40 | 0 26 | 17 22 | 1 40 | 15 26 | 16 34 | 22 42 | 22 50 | 24 59 | 3 0 | 5 20 |
| T 31 | 7n 3 | 25n22 | 2n 6 | 7n14 | 1n24 | 13n44 | 1n16 | 22n52 | 0n56 | 12s28 | 0n54 | 20s 7 | 1n22 | 23s40 | 0s26 | 17s22 | 1n40 | 15n25 | 16n34 | 22s42 | 22s50 | 24n59 | 3s 1 | 5n20 |

Julian Day Number = 2081406.5, Delta T = 25m30s
Ecliptic obliquity = 23°34'16, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°36'57, Lahiri = 9°43'58 Julian Calendar 1 Aug. 986 == Greg. Calendar 6 Aug. 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## SEPTEMBER 986 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 0 8 | 13♍ 6'48 | 2♋58 | 16♍46 | 28♌21 | 21♋28 | 5♏20 | 6♐16 | 9°R26 | 24♏28 | 29♍21 | 15♑14 | 13♑51 | 11♊ 8 | 9°R42 | W 1 |
| T 2 | 23 4 5 | 14° 5'34 | 15° 0 | 18°32 | 29°36 | 22° 5 | 5°30 | 6°18 | 9♑25 | 24°29 | 29°24 | 15°R15 | 13°48 | 11°15 | 9♓39 | T 2 |
| F 3 | 23 8 1 | 15° 4'21 | 27°16 | 20°17 | 0♍50 | 22°42 | 5°41 | 6°21 | 9°25 | 24°30 | 29°26 | 15°14 | 13°44 | 11°22 | 9°37 | F 3 |
| S 4 | 23 11 58 | 16° 3'11 | 9♌49 | 22° 2 | 2° 5 | 23°18 | 5°51 | 6°24 | 9°24 | 24°31 | 29°28 | 15°11 | 13°41 | 11°28 | 9°34 | S 4 |
| S 5 | 23 15 54 | 17° 2'03 | 22°42 | 23°45 | 3°19 | 23°54 | 6° 2 | 6°27 | 9°24 | 24°32 | 29°31 | 15° 6 | 13°38 | 11°35 | 9°31 | S 5 |
| M 6 | 23 19 51 | 18° 0'57 | 5♍57 | 25°27 | 4°34 | 24°31 | 6°13 | 6°30 | 9°23 | 24°33 | 29°33 | 14°58 | 13°35 | 11°42 | 9°28 | M 6 |
| T 7 | 23 23 47 | 18°59'54 | 19°32 | 27° 9 | 5°49 | 25° 7 | 6°24 | 6°33 | 9°23 | 24°34 | 29°35 | 14°48 | 13°32 | 11°48 | 9°26 | T 7 |
| W 8 | 23 27 44 | 19°58'52 | 3♎26 | 28°49 | 7° 3 | 25°43 | 6°35 | 6°36 | 9°23 | 24°36 | 29°38 | 14°38 | 13°28 | 11°55 | 9°23 | W 8 |
| T 9 | 23 31 40 | 20°57'52 | 17°32 | 0♎29 | 8°18 | 26°19 | 6°46 | 6°39 | 9°22 | 24°37 | 29°40 | 14°27 | 13°25 | 12° 2 | 9°20 | T 9 |
| F 10 | 23 35 37 | 21°56'54 | 1♏48 | 2° 8 | 9°33 | 26°55 | 6°57 | 6°42 | 9°22 | 24°38 | 29°42 | 14°18 | 13°22 | 12° 8 | 9°18 | F 10 |
| S 11 | 23 39 34 | 22°55'59 | 16° 6 | 3°46 | 10°47 | 27°31 | 7° 8 | 6°46 | 9°22 | 24°39 | 29°45 | 14°11 | 13°19 | 12°15 | 9°15 | S 11 |
| S 12 | 23 43 30 | 23°55'05 | 0♐24 | 5°23 | 12° 2 | 28° 7 | 7°20 | 6°49 | 9°22 | 24°41 | 29°47 | 14° 6 | 13°16 | 12°22 | 9°12 | S 12 |
| M13 | 23 47 27 | 24°54'13 | 14°37 | 6°59 | 13°17 | 28°43 | 7°31 | 6°53 | 9°22 | 24°42 | 29°49 | 14° 4 | 13°13 | 12°28 | 9°10 | M13 |
| T 14 | 23 51 23 | 25°53'23 | 28°44 | 8°34 | 14°32 | 29°19 | 7°42 | 6°56 | 9°D22 | 24°43 | 29°52 | 14°D 4 | 13° 9 | 12°35 | 9° 7 | T 14 |
| W15 | 23 55 20 | 26°52'34 | 12♑43 | 10° 9 | 15°47 | 29°54 | 7°54 | 7° 0 | 9°22 | 24°45 | 29°54 | 14°R 4 | 13° 6 | 12°42 | 9° 4 | W15 |
| T 16 | 23 59 16 | 27°51'47 | 26°36 | 11°43 | 17° 2 | 0♌30 | 8° 5 | 7° 4 | 9°22 | 24°46 | 29°56 | 14° 4 | 13° 3 | 12°48 | 9° 2 | T 16 |
| F 17 | 0 3 13 | 28°51'02 | 10♒20 | 13°16 | 18°17 | 1° 5 | 8°17 | 7° 8 | 9°22 | 24°48 | 29°59 | 14° 1 | 13° 0 | 12°55 | 8°59 | F 17 |
| S 18 | 0 7 9 | 29°50'19 | 23°56 | 14°48 | 19°31 | 1°41 | 8°29 | 7°12 | 9°22 | 24°49 | 0♎ 1 | 13°56 | 12°57 | 13° 2 | 8°57 | S 18 |
| S 19 | 0 11 6 | 0♎49'38 | 7♓22 | 16°19 | 20°46 | 2°16 | 8°41 | 7°16 | 9°22 | 24°51 | 0° 4 | 13°48 | 12°53 | 13° 8 | 8°54 | S 19 |
| M20 | 0 15 3 | 1°48'59 | 20°37 | 17°50 | 22° 1 | 2°51 | 8°52 | 7°20 | 9°23 | 24°52 | 0° 6 | 13°37 | 12°50 | 13°15 | 8°52 | M20 |
| T 21 | 0 18 59 | 2°48'21 | 3♈39 | 19°20 | 23°16 | 3°26 | 9° 4 | 7°24 | 9°23 | 24°54 | 0° 8 | 13°25 | 12°47 | 13°22 | 8°49 | T 21 |
| W22 | 0 22 56 | 3°47'46 | 16°26 | 20°49 | 24°31 | 4° 1 | 9°16 | 7°28 | 9°23 | 24°55 | 0°11 | 13°12 | 12°44 | 13°28 | 8°47 | W22 |
| T 23 | 0 26 52 | 4°47'13 | 28°59 | 22°18 | 25°46 | 4°36 | 9°28 | 7°33 | 9°24 | 24°57 | 0°13 | 12°59 | 12°41 | 13°35 | 8°44 | T 23 |
| F 24 | 0 30 49 | 5°46'42 | 11♉18 | 23°45 | 27° 1 | 5°11 | 9°40 | 7°37 | 9°24 | 24°58 | 0°15 | 12°47 | 12°38 | 13°42 | 8°42 | F 24 |
| S 25 | 0 34 45 | 6°46'14 | 23°24 | 25°12 | 28°17 | 5°46 | 9°53 | 7°42 | 9°25 | 25° 0 | 0°18 | 12°38 | 12°34 | 13°48 | 8°40 | S 25 |
| S 26 | 0 38 42 | 7°45'48 | 5♊19 | 26°38 | 29°32 | 6°21 | 10° 5 | 7°46 | 9°26 | 25° 2 | 0°20 | 12°32 | 12°31 | 13°55 | 8°37 | S 26 |
| M27 | 0 42 38 | 8°45'24 | 17° 9 | 28° 3 | 0♎47 | 6°55 | 10°17 | 7°51 | 9°26 | 25° 3 | 0°22 | 12°29 | 12°28 | 14° 2 | 8°35 | M27 |
| T 28 | 0 46 35 | 9°45'02 | 28°56 | 29°28 | 2° 2 | 7°30 | 10°29 | 7°56 | 9°27 | 25° 5 | 0°25 | 12°27 | 12°25 | 14° 8 | 8°33 | T 28 |
| W29 | 0 50 32 | 10°44'43 | 10♋48 | 0♏51 | 3°17 | 8° 4 | 10°42 | 8° 0 | 9°28 | 25° 7 | 0°27 | 12°27 | 12°22 | 14°15 | 8°31 | W29 |
| T 30 | 0 54 28 | 11♎44'26 | 22♋49 | 2♏14 | 4♎32 | 8♌38 | 10♏54 | 8♐ 5 | 9♑29 | 25♏ 8 | 0♎29 | 12♑27 | 12♑19 | 14♊22 | 8♓28 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n40 | 24n38 | 1n 5 | 6n28 | 1n19 | 13n19 | 1n17 | 22n47 | 0n57 | 12s32 | 0n53 | 20s 8 | 1n22 | 23s40 | 0s26 | 17s23 | 1n40 | 15n24 | 16n34 | 22s42 | 22s51 | 25n 0 | 3s 2 | 5n20 |
| T 2 | 6 18 | 22 45 | 0 1 | 5 41 | 1 14 | 12 54 | 1 18 | 22 42 | 0 58 | 12 36 | 0 53 | 20 9 | 1 21 | 23 40 | 0 26 | 17 23 | 1 40 | 15 23 | 16 34 | 22 42 | 22 51 | 25 0 | 3 3 | 5 20 |
| F 3 | 5 55 | 19 47 | 1s 4 | 4 55 | 1 8 | 12 28 | 1 19 | 22 37 | 0 59 | 12 39 | 0 53 | 20 9 | 1 21 | 23 40 | 0 26 | 17 23 | 1 40 | 15 22 | 16 34 | 22 42 | 22 51 | 25 0 | 3 4 | 5 20 |
| S 4 | 5 32 | 15 51 | 2 7 | 4 8 | 1 3 | 12 2 | 1 20 | 22 31 | 0 59 | 12 43 | 0 53 | 20 10 | 1 21 | 23 40 | 0 26 | 17 24 | 1 40 | 15 21 | 16 33 | 22 42 | 22 52 | 25 0 | 3 5 | 5 20 |
| S 5 | 5 9 | 11 5 | 3 6 | 3 22 | 0 57 | 11 36 | 1 21 | 22 26 | 1 0 | 12 47 | 0 53 | 20 11 | 1 21 | 23 40 | 0 26 | 17 24 | 1 40 | 15 20 | 16 33 | 22 43 | 22 52 | 25 0 | 3 7 | 5 20 |
| M 6 | 4 46 | 5 43 | 3 56 | 2 35 | 0 51 | 11 9 | 1 22 | 22 20 | 1 1 | 12 50 | 0 53 | 20 11 | 1 21 | 23 40 | 0 26 | 17 24 | 1 40 | 15 19 | 16 33 | 22 44 | 22 52 | 25 1 | 3 8 | 5 19 |
| T 7 | 4 23 | 0s 2 | 4 34 | 1 49 | 0 45 | 10 43 | 1 23 | 22 14 | 1 2 | 12 54 | 0 52 | 20 12 | 1 20 | 23 40 | 0 26 | 17 25 | 1 39 | 15 18 | 16 33 | 22 45 | 22 53 | 25 1 | 3 9 | 5 19 |
| W 8 | 3 59 | 5 54 | 4 57 | 1 3 | 0 38 | 10 15 | 1 23 | 22 8 | 1 2 | 12 58 | 0 52 | 20 13 | 1 20 | 23 40 | 0 26 | 17 25 | 1 39 | 15 17 | 16 33 | 22 46 | 22 53 | 25 1 | 3 10 | 5 19 |
| T 9 | 3 36 | 11 34 | 5 2 | 0 17 | 0 32 | 9 48 | 1 24 | 22 2 | 1 3 | 13 2 | 0 52 | 20 13 | 1 20 | 23 40 | 0 26 | 17 25 | 1 39 | 15 16 | 16 33 | 22 47 | 22 53 | 25 1 | 3 11 | 5 19 |
| F 10 | 3 13 | 16 40 | 4 49 | 0s28 | 0 25 | 9 20 | 1 25 | 21 56 | 1 4 | 13 6 | 0 52 | 20 14 | 1 20 | 23 40 | 0 26 | 17 26 | 1 39 | 15 15 | 16 33 | 22 48 | 22 54 | 25 1 | 3 12 | 5 19 |
| S 11 | 2 49 | 20 51 | 4 17 | 1 13 | 0 18 | 8 52 | 1 25 | 21 50 | 1 5 | 13 9 | 0 52 | 20 15 | 1 20 | 23 40 | 0 26 | 17 26 | 1 39 | 15 14 | 16 33 | 22 49 | 22 54 | 25 1 | 3 13 | 5 19 |
| S 12 | 2 26 | 23 46 | 3 30 | 1 58 | 0 11 | 8 24 | 1 26 | 21 43 | 1 6 | 13 13 | 0 52 | 20 16 | 1 20 | 23 40 | 0 26 | 17 26 | 1 39 | 15 13 | 16 33 | 22 49 | 22 54 | 25 2 | 3 14 | 5 19 |
| M13 | 2 2 | 25 9 | 2 30 | 2 43 | 0 5 | 7 56 | 1 26 | 21 37 | 1 6 | 13 17 | 0 51 | 20 16 | 1 19 | 23 40 | 0 26 | 17 27 | 1 39 | 15 12 | 16 33 | 22 49 | 22 55 | 25 2 | 3 15 | 5 19 |
| T 14 | 1 39 | 24 54 | 1 21 | 3 27 | 0s 2 | 7 27 | 1 26 | 21 30 | 1 7 | 13 21 | 0 51 | 20 17 | 1 19 | 23 40 | 0 26 | 17 27 | 1 39 | 15 11 | 16 33 | 22 49 | 22 55 | 25 2 | 3 17 | 5 19 |
| W15 | 1 15 | 23 5 | 0 7 | 4 11 | 0 9 | 6 58 | 1 27 | 21 23 | 1 8 | 13 25 | 0 51 | 20 18 | 1 19 | 23 40 | 0 26 | 17 27 | 1 39 | 15 10 | 16 33 | 22 49 | 22 55 | 25 2 | 3 18 | 5 18 |
| T 16 | 0 51 | 19 52 | 1n 6 | 4 55 | 0 17 | 6 29 | 1 27 | 21 17 | 1 9 | 13 29 | 0 51 | 20 19 | 1 19 | 23 40 | 0 26 | 17 28 | 1 39 | 15 9 | 16 33 | 22 49 | 22 56 | 25 2 | 3 19 | 5 18 |
| F 17 | 0 28 | 15 35 | 2 14 | 5 38 | 0 24 | 6 0 | 1 27 | 21 10 | 1 10 | 13 33 | 0 51 | 20 20 | 1 19 | 23 40 | 0 26 | 17 28 | 1 39 | 15 8 | 16 33 | 22 50 | 22 56 | 25 2 | 3 20 | 5 18 |
| S 18 | 0 4 | 10 34 | 3 14 | 6 20 | 0 31 | 5 30 | 1 27 | 21 2 | 1 11 | 13 37 | 0 51 | 20 21 | 1 18 | 23 40 | 0 26 | 17 29 | 1 39 | 15 7 | 16 33 | 22 50 | 22 56 | 25 2 | 3 21 | 5 18 |
| S 19 | 0s20 | 5 6 | 4 3 | 7 2 | 0 38 | 5 0 | 1 27 | 20 55 | 1 11 | 13 40 | 0 51 | 20 21 | 1 18 | 23 40 | 0 26 | 17 29 | 1 39 | 15 7 | 16 33 | 22 51 | 22 57 | 25 2 | 3 22 | 5 18 |
| M20 | 0 44 | 0n30 | 4 37 | 7 44 | 0 45 | 4 31 | 1 27 | 20 48 | 1 12 | 13 44 | 0 50 | 20 22 | 1 18 | 23 40 | 0 26 | 17 29 | 1 39 | 15 6 | 16 33 | 22 52 | 22 57 | 25 2 | 3 23 | 5 18 |
| T 21 | 1 7 | 5 59 | 4 56 | 8 24 | 0 52 | 4 1 | 1 27 | 20 41 | 1 13 | 13 48 | 0 50 | 20 23 | 1 18 | 23 40 | 0 26 | 17 30 | 1 39 | 15 5 | 16 33 | 22 53 | 22 57 | 25 3 | 3 24 | 5 17 |
| W22 | 1 31 | 11 6 | 5 0 | 9 5 | 0 59 | 3 31 | 1 26 | 20 33 | 1 14 | 13 52 | 0 50 | 20 24 | 1 18 | 23 40 | 0 26 | 17 30 | 1 39 | 15 4 | 16 33 | 22 55 | 22 57 | 25 3 | 3 25 | 5 17 |
| T 23 | 1 55 | 15 40 | 4 49 | 9 45 | 1 6 | 3 0 | 1 26 | 20 25 | 1 15 | 13 56 | 0 50 | 20 25 | 1 18 | 23 40 | 0 26 | 17 31 | 1 39 | 15 3 | 16 33 | 22 56 | 22 58 | 25 3 | 3 26 | 5 17 |
| F 24 | 2 18 | 19 29 | 4 25 | 10 24 | 1 13 | 2 30 | 1 26 | 20 18 | 1 16 | 14 0 | 0 50 | 20 26 | 1 17 | 23 40 | 0 26 | 17 31 | 1 39 | 15 2 | 16 33 | 22 57 | 22 58 | 25 3 | 3 27 | 5 17 |
| S 25 | 2 42 | 22 25 | 3 49 | 11 2 | 1 20 | 2 0 | 1 25 | 20 10 | 1 16 | 14 4 | 0 50 | 20 27 | 1 17 | 23 40 | 0 26 | 17 32 | 1 39 | 15 1 | 16 33 | 22 58 | 22 58 | 25 3 | 3 28 | 5 17 |
| S 26 | 3 6 | 24 18 | 3 3 | 11 40 | 1 26 | 1 29 | 1 25 | 20 2 | 1 17 | 14 8 | 0 50 | 20 28 | 1 17 | 23 40 | 0 26 | 17 32 | 1 39 | 15 0 | 16 33 | 22 59 | 22 59 | 25 3 | 3 29 | 5 17 |
| M27 | 3 29 | 25 6 | 2 10 | 12 17 | 1 33 | 0 59 | 1 24 | 19 54 | 1 18 | 14 12 | 0 49 | 20 28 | 1 17 | 23 39 | 0 26 | 17 33 | 1 38 | 15 0 | 16 33 | 22 59 | 22 59 | 25 3 | 3 30 | 5 16 |
| T 28 | 3 53 | 24 45 | 1 11 | 12 53 | 1 39 | 0 28 | 1 24 | 19 46 | 1 19 | 14 16 | 0 49 | 20 29 | 1 17 | 23 39 | 0 25 | 17 33 | 1 38 | 14 59 | 16 33 | 22 59 | 22 59 | 25 3 | 3 31 | 5 16 |
| W29 | 4 17 | 23 16 | 0 9 | 13 29 | 1 46 | 0s 2 | 1 23 | 19 38 | 1 20 | 14 20 | 0 49 | 20 30 | 1 17 | 23 39 | 0 25 | 17 33 | 1 38 | 14 58 | 16 34 | 22 59 | 23 0 | 25 3 | 3 32 | 5 16 |
| T 30 | 4s40 | 20n44 | 0s55 | 14s 4 | 1s52 | 0s33 | 1n22 | 19n30 | 1n21 | 14s24 | 0n49 | 20s31 | 1n16 | 23s39 | 0s25 | 17s34 | 1n38 | 14n57 | 16n34 | 22s59 | 23s 0 | 25n 3 | 3s33 | 5n16 |

Julian Day Number = 2081437.5, Delta T = 25m30s
Ecliptic obliquity = 23°34'17, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'02, Lahiri = 9°44'02 Julian Calendar 1 Sept. 986 == Greg. Calendar 6 Sept. 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## OCTOBER 986 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 58 25 | 12♎44'11 | 5♌ 4 | 3♏36 | 5♎47 | 9♌13 | 11♏ 7 | 8♐10 | 9♑29 | 25♏10 | 0♎32 | 12°R26 | 12♑15 | 14♊28 | 8°R26 | F 1 |
| S 2 | 1 2 21 | 13°43'59 | 17°39 | 4°56 | 7° 3 | 9°47 | 11°19 | 8°15 | 9°30 | 25°12 | 0°34 | 12♑22 | 12°12 | 14°35 | 8♓24 | S 2 |
| S 3 | 1 6 18 | 14°43'49 | 0♍38 | 6°16 | 8°18 | 10°21 | 11°32 | 8°20 | 9°31 | 25°14 | 0°36 | 12°17 | 12° 9 | 14°42 | 8°22 | S 3 |
| M 4 | 1 10 14 | 15°43'41 | 14° 3 | 7°34 | 9°33 | 10°55 | 11°44 | 8°25 | 9°32 | 25°16 | 0°39 | 12° 8 | 12° 6 | 14°48 | 8°20 | M 4 |
| T 5 | 1 14 11 | 16°43'35 | 27°54 | 8°52 | 10°48 | 11°29 | 11°57 | 8°30 | 9°33 | 25°18 | 0°41 | 11°57 | 12° 3 | 14°55 | 8°18 | T 5 |
| W 6 | 1 18 7 | 17°43'31 | 12♎ 7 | 10° 8 | 12° 4 | 12° 2 | 12°10 | 8°36 | 9°34 | 25°19 | 0°43 | 11°45 | 11°59 | 15° 2 | 8°16 | W 6 |
| T 7 | 1 22 4 | 18°43'29 | 26°39 | 11°22 | 13°19 | 12°36 | 12°23 | 8°41 | 9°36 | 25°21 | 0°45 | 11°33 | 11°56 | 15° 8 | 8°14 | T 7 |
| F 8 | 1 26 0 | 19°43'29 | 11♏21 | 12°35 | 14°34 | 13° 9 | 12°35 | 8°46 | 9°37 | 25°23 | 0°48 | 11°22 | 11°53 | 15°15 | 8°12 | F 8 |
| S 9 | 1 29 57 | 20°43'32 | 26° 6 | 13°46 | 15°50 | 13°43 | 12°48 | 8°52 | 9°38 | 25°25 | 0°50 | 11°14 | 11°50 | 15°22 | 8°10 | S 9 |
| S 10 | 1 33 54 | 21°43'35 | 10♐46 | 14°55 | 17° 5 | 14°16 | 13° 1 | 8°57 | 9°39 | 25°27 | 0°52 | 11° 8 | 11°47 | 15°28 | 8° 8 | S 10 |
| M11 | 1 37 50 | 22°43'41 | 25°15 | 16° 2 | 18°20 | 14°49 | 13°14 | 9° 3 | 9°41 | 25°29 | 0°55 | 11° 6 | 11°44 | 15°35 | 8° 7 | M11 |
| T 12 | 1 41 47 | 23°43'48 | 9♑30 | 17° 7 | 19°36 | 15°22 | 13°27 | 9° 8 | 9°42 | 25°31 | 0°57 | 11°D 5 | 11°40 | 15°42 | 8° 5 | T 12 |
| W13 | 1 45 43 | 24°43'57 | 23°30 | 18° 9 | 20°51 | 15°55 | 13°40 | 9°14 | 9°44 | 25°33 | 0°59 | 11°R 5 | 11°37 | 15°48 | 8° 3 | W13 |
| T 14 | 1 49 40 | 25°44'07 | 7♒14 | 19° 8 | 22° 6 | 16°28 | 13°53 | 9°20 | 9°45 | 25°35 | 1° 1 | 11° 5 | 11°34 | 15°55 | 8° 2 | T 14 |
| F 15 | 1 53 36 | 26°44'19 | 20°44 | 20° 3 | 23°22 | 17° 0 | 14° 6 | 9°25 | 9°47 | 25°37 | 1° 3 | 11° 2 | 11°31 | 16° 2 | 8° 0 | F 15 |
| S 16 | 1 57 33 | 27°44'33 | 4♓ 1 | 20°55 | 24°37 | 17°33 | 14°19 | 9°31 | 9°48 | 25°39 | 1° 6 | 10°58 | 11°28 | 16° 8 | 7°59 | S 16 |
| S 17 | 2 1 29 | 28°44'47 | 17° 6 | 21°43 | 25°53 | 18° 5 | 14°32 | 9°37 | 9°50 | 25°41 | 1° 8 | 10°50 | 11°25 | 16°15 | 7°57 | S 17 |
| M18 | 2 5 26 | 29°45'04 | 29°59 | 22°27 | 27° 8 | 18°38 | 14°46 | 9°43 | 9°52 | 25°43 | 1°10 | 10°40 | 11°21 | 16°22 | 7°56 | M18 |
| T 19 | 2 9 23 | 0♏45'22 | 12♈40 | 23° 5 | 28°23 | 19°10 | 14°59 | 9°49 | 9°53 | 25°45 | 1°12 | 10°28 | 11°18 | 16°28 | 7°54 | T 19 |
| W20 | 2 13 19 | 1°45'42 | 25°11 | 23°37 | 29°39 | 19°42 | 15°12 | 9°55 | 9°55 | 25°47 | 1°14 | 10°15 | 11°15 | 16°35 | 7°53 | W20 |
| T 21 | 2 17 16 | 2°46'03 | 7♉30 | 24° 3 | 0♏54 | 20°14 | 15°25 | 10° 1 | 9°57 | 25°49 | 1°16 | 10° 2 | 11°12 | 16°42 | 7°52 | T 21 |
| F 22 | 2 21 12 | 3°46'27 | 19°39 | 24°22 | 2°10 | 20°45 | 15°38 | 10° 7 | 9°59 | 25°52 | 1°18 | 9°51 | 11° 9 | 16°48 | 7°50 | F 22 |
| S 23 | 2 25 9 | 4°46'52 | 1♊39 | 24°33 | 3°25 | 21°17 | 15°52 | 10°13 | 10° 1 | 25°54 | 1°20 | 9°42 | 11° 5 | 16°55 | 7°49 | S 23 |
| S 24 | 2 29 5 | 5°47'19 | 13°31 | 24°R36 | 4°40 | 21°49 | 16° 5 | 10°19 | 10° 3 | 25°56 | 1°22 | 9°36 | 11° 2 | 17° 2 | 7°48 | S 24 |
| M25 | 2 33 2 | 6°47'48 | 25°18 | 24°29 | 5°56 | 22°20 | 16°18 | 10°26 | 10° 5 | 25°58 | 1°24 | 9°33 | 10°59 | 17° 8 | 7°47 | M25 |
| T 26 | 2 36 58 | 7°48'18 | 7♋ 5 | 24°13 | 7°11 | 22°51 | 16°32 | 10°32 | 10° 7 | 26° 0 | 1°26 | 9°D32 | 10°56 | 17°15 | 7°46 | T 26 |
| W27 | 2 40 55 | 8°48'51 | 18°55 | 23°47 | 8°27 | 23°22 | 16°45 | 10°38 | 10° 9 | 26° 2 | 1°28 | 9°32 | 10°53 | 17°22 | 7°45 | W27 |
| T 28 | 2 44 52 | 9°49'25 | 0♌53 | 23°10 | 9°42 | 23°53 | 16°58 | 10°45 | 10°11 | 26° 5 | 1°30 | 9°33 | 10°50 | 17°28 | 7°44 | T 28 |
| F 29 | 2 48 48 | 10°50'01 | 13° 5 | 22°22 | 10°58 | 24°24 | 17°12 | 10°51 | 10°13 | 26° 7 | 1°32 | 9°R33 | 10°46 | 17°35 | 7°43 | F 29 |
| S 30 | 2 52 45 | 11°50'39 | 25°37 | 21°26 | 12°13 | 24°54 | 17°25 | 10°58 | 10°15 | 26° 9 | 1°34 | 9°32 | 10°43 | 17°41 | 7°42 | S 30 |
| S 31 | 2 56 41 | 12♏51'19 | 8♍33 | 20♏20 | 13♏29 | 25♌25 | 17♏38 | 11♐ 4 | 10♑18 | 26♏11 | 1♎36 | 9♑29 | 10♑40 | 17♊48 | 7♓41 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| F 1 | 5s 3 | 17n13 | 1s57 | 14s38 | 1s58 | 1s 4 | 1n22 | 19n21 | 1n21 | 14s28 | 0n49 | 20s32 | 1n16 | 23s39 | 0s25 | 17s34 | 1n38 | 14n56 | 16n34 | 22s59 | 23s 0 | 25n 3 | 3s34 | 5n16 |
| S 2 | 5 27 | 12 51 | 2 55 | 15 11 | 2 4 | 1 34 | 1 21 | 19 13 | 1 22 | 14 32 | 0 49 | 20 33 | 1 16 | 23 39 | 0 25 | 17 35 | 1 38 | 14 55 | 16 34 | 23 0 | 23 0 | 25 3 | 3 35 | 5 15 |
| S 3 | 5 50 | 7 48 | 3 46 | 15 43 | 2 9 | 2 5 | 1 20 | 19 5 | 1 23 | 14 36 | 0 49 | 20 34 | 1 16 | 23 39 | 0 25 | 17 35 | 1 38 | 14 55 | 16 34 | 23 0 | 23 1 | 25 3 | 3 36 | 5 15 |
| M 4 | 6 13 | 2 13 | 4 26 | 16 14 | 2 15 | 2 36 | 1 19 | 18 56 | 1 24 | 14 40 | 0 49 | 20 35 | 1 16 | 23 39 | 0 25 | 17 36 | 1 38 | 14 54 | 16 34 | 23 1 | 23 1 | 25 3 | 3 37 | 5 15 |
| T 5 | 6 37 | 3s37 | 4 52 | 16 44 | 2 20 | 3 6 | 1 18 | 18 48 | 1 25 | 14 44 | 0 48 | 20 36 | 1 16 | 23 39 | 0 25 | 17 36 | 1 38 | 14 53 | 16 34 | 23 2 | 23 1 | 25 3 | 3 38 | 5 15 |
| W 6 | 7 0 | 9 25 | 5 0 | 17 13 | 2 25 | 3 37 | 1 17 | 18 39 | 1 26 | 14 48 | 0 48 | 20 37 | 1 15 | 23 39 | 0 25 | 17 37 | 1 38 | 14 52 | 16 35 | 23 3 | 23 2 | 25 3 | 3 39 | 5 14 |
| T 7 | 7 23 | 14 50 | 4 50 | 17 41 | 2 29 | 4 7 | 1 16 | 18 30 | 1 27 | 14 52 | 0 48 | 20 38 | 1 15 | 23 39 | 0 25 | 17 37 | 1 38 | 14 52 | 16 35 | 23 4 | 23 2 | 25 3 | 3 40 | 5 14 |
| F 8 | 7 45 | 19 27 | 4 21 | 18 8 | 2 33 | 4 38 | 1 15 | 18 22 | 1 28 | 14 56 | 0 48 | 20 39 | 1 15 | 23 39 | 0 25 | 17 38 | 1 38 | 14 51 | 16 35 | 23 5 | 23 2 | 25 3 | 3 41 | 5 14 |
| S 9 | 8 8 | 22 51 | 3 34 | 18 33 | 2 37 | 5 8 | 1 13 | 18 13 | 1 29 | 15 0 | 0 48 | 20 40 | 1 15 | 23 38 | 0 25 | 17 38 | 1 38 | 14 50 | 16 35 | 23 6 | 23 2 | 25 3 | 3 42 | 5 14 |
| S 10 | 8 31 | 24 42 | 2 33 | 18 58 | 2 41 | 5 38 | 1 12 | 18 4 | 1 29 | 15 4 | 0 48 | 20 41 | 1 15 | 23 38 | 0 25 | 17 39 | 1 38 | 14 50 | 16 35 | 23 6 | 23 3 | 25 3 | 3 43 | 5 13 |
| M11 | 8 53 | 24 52 | 1 23 | 19 20 | 2 44 | 6 8 | 1 11 | 17 55 | 1 30 | 15 8 | 0 48 | 20 42 | 1 15 | 23 38 | 0 25 | 17 39 | 1 38 | 14 49 | 16 36 | 23 6 | 23 3 | 25 3 | 3 44 | 5 13 |
| T 12 | 9 16 | 23 22 | 0 8 | 19 42 | 2 46 | 6 38 | 1 9 | 17 46 | 1 31 | 15 12 | 0 48 | 20 43 | 1 15 | 23 38 | 0 25 | 17 40 | 1 38 | 14 48 | 16 36 | 23 6 | 23 3 | 25 3 | 3 45 | 5 13 |
| W13 | 9 38 | 20 26 | 1n 5 | 20 1 | 2 48 | 7 8 | 1 8 | 17 37 | 1 32 | 15 16 | 0 47 | 20 44 | 1 14 | 23 38 | 0 25 | 17 40 | 1 38 | 14 47 | 16 36 | 23 6 | 23 4 | 25 3 | 3 46 | 5 13 |
| T 14 | 10 0 | 16 24 | 2 14 | 20 19 | 2 50 | 7 38 | 1 6 | 17 28 | 1 33 | 15 20 | 0 47 | 20 45 | 1 14 | 23 38 | 0 25 | 17 41 | 1 38 | 14 47 | 16 36 | 23 6 | 23 4 | 25 2 | 3 47 | 5 12 |
| F 15 | 10 22 | 11 36 | 3 14 | 20 36 | 2 51 | 8 7 | 1 5 | 17 19 | 1 34 | 15 24 | 0 47 | 20 46 | 1 14 | 23 38 | 0 25 | 17 41 | 1 38 | 14 46 | 16 37 | 23 7 | 23 4 | 25 2 | 3 47 | 5 12 |
| S 16 | 10 44 | 6 20 | 4 2 | 20 50 | 2 51 | 8 37 | 1 3 | 17 10 | 1 35 | 15 28 | 0 47 | 20 47 | 1 14 | 23 38 | 0 25 | 17 42 | 1 38 | 14 46 | 16 37 | 23 7 | 23 4 | 25 2 | 3 48 | 5 12 |
| S 17 | 11 5 | 0 53 | 4 37 | 21 2 | 2 50 | 9 6 | 1 1 | 17 1 | 1 36 | 15 32 | 0 47 | 20 48 | 1 14 | 23 37 | 0 25 | 17 42 | 1 38 | 14 45 | 16 37 | 23 8 | 23 5 | 25 2 | 3 49 | 5 12 |
| M18 | 11 27 | 4n31 | 4 57 | 21 12 | 2 49 | 9 35 | 1 0 | 16 52 | 1 37 | 15 36 | 0 47 | 20 49 | 1 14 | 23 37 | 0 25 | 17 43 | 1 38 | 14 44 | 16 37 | 23 8 | 23 5 | 25 2 | 3 50 | 5 11 |
| T 19 | 11 48 | 9 39 | 5 2 | 21 20 | 2 46 | 10 3 | 0 58 | 16 42 | 1 38 | 15 40 | 0 47 | 20 50 | 1 14 | 23 37 | 0 25 | 17 43 | 1 38 | 14 44 | 16 38 | 23 9 | 23 5 | 25 2 | 3 51 | 5 11 |
| W20 | 12 9 | 14 19 | 4 52 | 21 24 | 2 43 | 10 32 | 0 56 | 16 33 | 1 39 | 15 44 | 0 47 | 20 51 | 1 13 | 23 37 | 0 25 | 17 44 | 1 38 | 14 43 | 16 38 | 23 10 | 23 6 | 25 2 | 3 51 | 5 11 |
| T 21 | 12 30 | 18 19 | 4 28 | 21 27 | 2 38 | 11 0 | 0 54 | 16 24 | 1 40 | 15 48 | 0 47 | 20 52 | 1 13 | 23 37 | 0 25 | 17 44 | 1 38 | 14 43 | 16 38 | 23 11 | 23 6 | 25 2 | 3 52 | 5 10 |
| F 22 | 12 51 | 21 29 | 3 53 | 21 26 | 2 33 | 11 28 | 0 52 | 16 15 | 1 41 | 15 52 | 0 47 | 20 53 | 1 13 | 23 37 | 0 25 | 17 45 | 1 38 | 14 42 | 16 39 | 23 12 | 23 6 | 25 2 | 3 53 | 5 10 |
| S 23 | 13 11 | 23 40 | 3 8 | 21 22 | 2 25 | 11 56 | 0 51 | 16 5 | 1 42 | 15 56 | 0 46 | 20 54 | 1 13 | 23 37 | 0 25 | 17 45 | 1 38 | 14 42 | 16 39 | 23 13 | 23 6 | 25 2 | 3 54 | 5 10 |
| S 24 | 13 31 | 24 46 | 2 14 | 21 14 | 2 17 | 12 23 | 0 49 | 15 56 | 1 43 | 16 0 | 0 46 | 20 55 | 1 13 | 23 36 | 0 25 | 17 46 | 1 38 | 14 41 | 16 39 | 23 13 | 23 7 | 25 1 | 3 54 | 5 10 |
| M25 | 13 51 | 24 45 | 1 15 | 21 3 | 2 7 | 12 50 | 0 47 | 15 47 | 1 44 | 16 4 | 0 46 | 20 56 | 1 13 | 23 36 | 0 25 | 17 46 | 1 38 | 14 41 | 16 39 | 23 14 | 23 7 | 25 1 | 3 55 | 5 9 |
| T 26 | 14 11 | 23 36 | 0 13 | 20 47 | 1 55 | 13 17 | 0 45 | 15 37 | 1 45 | 16 8 | 0 46 | 20 57 | 1 13 | 23 36 | 0 25 | 17 47 | 1 38 | 14 40 | 16 40 | 23 14 | 23 7 | 25 1 | 3 56 | 5 9 |
| W27 | 14 31 | 21 24 | 0s50 | 20 28 | 1 42 | 13 44 | 0 43 | 15 28 | 1 46 | 16 12 | 0 46 | 20 58 | 1 13 | 23 36 | 0 25 | 17 47 | 1 38 | 14 40 | 16 40 | 23 14 | 23 7 | 25 1 | 3 56 | 5 9 |
| T 28 | 14 50 | 18 15 | 1 52 | 20 4 | 1 27 | 14 10 | 0 40 | 15 18 | 1 47 | 16 16 | 0 46 | 20 59 | 1 12 | 23 36 | 0 25 | 17 48 | 1 37 | 14 39 | 16 41 | 23 14 | 23 8 | 25 1 | 3 57 | 5 8 |
| F 29 | 15 9 | 14 16 | 2 50 | 19 36 | 1 10 | 14 35 | 0 38 | 15 9 | 1 48 | 16 20 | 0 46 | 21 0 | 1 12 | 23 36 | 0 25 | 17 49 | 1 37 | 14 39 | 16 41 | 23 13 | 23 8 | 25 1 | 3 57 | 5 8 |
| S 30 | 15 28 | 9 35 | 3 41 | 19 4 | 0 52 | 15 1 | 0 36 | 15 0 | 1 49 | 16 23 | 0 46 | 21 1 | 1 12 | 23 35 | 0 25 | 17 49 | 1 37 | 14 38 | 16 41 | 23 14 | 23 8 | 25 0 | 3 58 | 5 8 |
| S 31 | 15s47 | 4n21 | 4s23 | 18s28 | 0s33 | 15s26 | 0n34 | 14n50 | 1n50 | 16s27 | 0n46 | 21s 2 | 1n12 | 23s35 | 0s25 | 17s50 | 1n37 | 14n38 | 16n42 | 23s14 | 23s 8 | 25n 0 | 3s59 | 5n 7 |

Julian Day Number = 2081467.5, Delta T = 25m30s
Ecliptic obliquity = 23°34'16, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'06, Lahiri = 9°44'06 Julian Calendar 1 Oct. 986 == Greg. Calendar 6 Oct. 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## NOVEMBER 986 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 0 38 | 13♏52'00 | 21♍56 | 19°R 7 | 14♏44 | 25♌55 | 17♏52 | 11♐11 | 10♑20 | 26♏13 | 1♎38 | 9°R23 | 10♑37 | 17♊55 | 7°R41 | M 1 |
| T 2 | 3 4 34 | 14°52'43 | 5♎48 | 17♏48 | 16° 0 | 26°25 | 18° 5 | 11°17 | 10°22 | 26°16 | 1°40 | 9♑16 | 10°34 | 18° 1 | 7♓40 | T 2 |
| W 3 | 3 8 31 | 15°53'27 | 20° 9 | 16°27 | 17°15 | 26°55 | 18°19 | 11°24 | 10°25 | 26°18 | 1°42 | 9° 7 | 10°30 | 18° 8 | 7°39 | W 3 |
| T 4 | 3 12 27 | 16°54'14 | 4♏52 | 15° 5 | 18°30 | 27°25 | 18°32 | 11°30 | 10°27 | 26°20 | 1°44 | 8°59 | 10°27 | 18°15 | 7°39 | T 4 |
| F 5 | 3 16 24 | 17°55'01 | 19°52 | 13°46 | 19°46 | 27°55 | 18°46 | 11°37 | 10°29 | 26°22 | 1°45 | 8°51 | 10°24 | 18°21 | 7°38 | F 5 |
| S 6 | 3 20 21 | 18°55'50 | 4♐59 | 12°32 | 21° 1 | 28°24 | 18°59 | 11°44 | 10°32 | 26°25 | 1°47 | 8°45 | 10°21 | 18°28 | 7°38 | S 6 |
| S 7 | 3 24 17 | 19°56'41 | 20° 2 | 11°25 | 22°17 | 28°53 | 19°13 | 11°50 | 10°34 | 26°27 | 1°49 | 8°41 | 10°18 | 18°35 | 7°37 | S 7 |
| M 8 | 3 28 14 | 20°57'32 | 4♑54 | 10°27 | 23°32 | 29°22 | 19°26 | 11°57 | 10°37 | 26°29 | 1°51 | 8°D40 | 10°15 | 18°41 | 7°37 | M 8 |
| T 9 | 3 32 10 | 21°58'25 | 19°27 | 9°40 | 24°48 | 29°51 | 19°39 | 12° 4 | 10°40 | 26°31 | 1°52 | 8°40 | 10°11 | 18°48 | 7°37 | T 9 |
| W10 | 3 36 7 | 22°59'18 | 3♒40 | 9° 4 | 26° 3 | 0♍20 | 19°53 | 12°11 | 10°42 | 26°34 | 1°54 | 8°41 | 10° 8 | 18°55 | 7°37 | W10 |
| T 11 | 3 40 3 | 24° 0'12 | 17°30 | 8°40 | 27°19 | 0°48 | 20° 6 | 12°17 | 10°45 | 26°36 | 1°56 | 8°R42 | 10° 5 | 19° 1 | 7°36 | T 11 |
| F 12 | 3 44 0 | 25° 1'07 | 0♓58 | 8°27 | 28°34 | 1°16 | 20°20 | 12°24 | 10°48 | 26°38 | 1°57 | 8°42 | 10° 2 | 19° 8 | 7°36 | F 12 |
| S 13 | 3 47 56 | 26° 2'03 | 14° 8 | 8°D26 | 29°50 | 1°44 | 20°33 | 12°31 | 10°50 | 26°40 | 1°59 | 8°40 | 9°59 | 19°15 | 7°36 | S 13 |
| S 14 | 3 51 53 | 27° 2'59 | 27° 0 | 8°34 | 1♐ 5 | 2°12 | 20°47 | 12°38 | 10°53 | 26°43 | 2° 0 | 8°37 | 9°56 | 19°21 | 7°D36 | S 14 |
| M15 | 3 55 50 | 28° 3'56 | 9♈37 | 8°52 | 2°21 | 2°40 | 21° 0 | 12°45 | 10°56 | 26°45 | 2° 2 | 8°31 | 9°52 | 19°28 | 7°36 | M15 |
| T 16 | 3 59 46 | 29° 4'54 | 22° 2 | 9°19 | 3°36 | 3° 7 | 21°13 | 12°52 | 10°59 | 26°47 | 2° 3 | 8°24 | 9°49 | 19°35 | 7°36 | T 16 |
| W17 | 4 3 43 | 0♐ 5'53 | 4♉17 | 9°54 | 4°52 | 3°34 | 21°27 | 12°59 | 11° 2 | 26°49 | 2° 5 | 8°17 | 9°46 | 19°41 | 7°37 | W17 |
| T 18 | 4 7 39 | 1° 6'53 | 16°23 | 10°35 | 6° 7 | 4° 1 | 21°40 | 13° 6 | 11° 5 | 26°52 | 2° 6 | 8°10 | 9°43 | 19°48 | 7°37 | T 18 |
| F 19 | 4 11 36 | 2° 7'54 | 28°22 | 11°23 | 7°23 | 4°28 | 21°54 | 13°13 | 11° 7 | 26°54 | 2° 8 | 8° 3 | 9°40 | 19°55 | 7°37 | F 19 |
| S 20 | 4 15 32 | 3° 8'55 | 10♊15 | 12°16 | 8°38 | 4°55 | 22° 7 | 13°20 | 11°10 | 26°56 | 2° 9 | 7°58 | 9°36 | 20° 1 | 7°37 | S 20 |
| S 21 | 4 19 29 | 4° 9'58 | 22° 4 | 13°14 | 9°53 | 5°21 | 22°20 | 13°27 | 11°13 | 26°58 | 2°11 | 7°55 | 9°33 | 20° 8 | 7°38 | S 21 |
| M22 | 4 23 25 | 5°11'01 | 3♋51 | 14°16 | 11° 9 | 5°47 | 22°34 | 13°34 | 11°16 | 27° 1 | 2°12 | 7°D54 | 9°30 | 20°15 | 7°38 | M22 |
| T 23 | 4 27 22 | 6°12'05 | 15°39 | 15°22 | 12°24 | 6°13 | 22°47 | 13°41 | 11°19 | 27° 3 | 2°13 | 7°54 | 9°27 | 20°21 | 7°39 | T 23 |
| W24 | 4 31 19 | 7°13'10 | 27°31 | 16°31 | 13°40 | 6°38 | 23° 0 | 13°48 | 11°23 | 27° 5 | 2°15 | 7°55 | 9°24 | 20°28 | 7°39 | W24 |
| T 25 | 4 35 15 | 8°14'16 | 9♌30 | 17°43 | 14°55 | 7° 4 | 23°13 | 13°55 | 11°26 | 27° 7 | 2°16 | 7°57 | 9°21 | 20°35 | 7°40 | T 25 |
| F 26 | 4 39 12 | 9°15'23 | 21°42 | 18°57 | 16°11 | 7°29 | 23°27 | 14° 2 | 11°29 | 27°10 | 2°17 | 7°59 | 9°17 | 20°41 | 7°41 | F 26 |
| S 27 | 4 43 8 | 10°16'31 | 4♍11 | 20°14 | 17°26 | 7°53 | 23°40 | 14° 9 | 11°32 | 27°12 | 2°18 | 8° 0 | 9°14 | 20°48 | 7°41 | S 27 |
| S 28 | 4 47 5 | 11°17'39 | 17° 1 | 21°32 | 18°42 | 8°18 | 23°53 | 14°16 | 11°35 | 27°14 | 2°19 | 8°R 0 | 9°11 | 20°54 | 7°42 | S 28 |
| M29 | 4 51 1 | 12°18'48 | 0♎16 | 22°52 | 19°57 | 8°42 | 24° 6 | 14°23 | 11°38 | 27°16 | 2°20 | 7°59 | 9° 8 | 21° 1 | 7°43 | M29 |
| T 30 | 4 54 58 | 13♐19'58 | 13♎59 | 24♏13 | 21♐12 | 9♍ 6 | 24♏19 | 14♐30 | 11♑41 | 27♏19 | 2♎22 | 7♑57 | 9♑ 5 | 21♊ 8 | 7♓44 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 16s 5 | 1s15 | 4s52 | 17s48 | 0s13 | 15s50 | 0n32 | 14n41 | 1n51 | 16s31 | 0n46 | 21s 3 | 1n12 | 23s35 | 0s25 | 17s50 | 1n37 | 14n37 | 16n42 | 23s14 | 23s 9 | 25n 0 | 3s59 | 5n 7 | M 1 |
| T 2 | 16 23 | 6 59 | 5 6 | 17 7 | 0n 7 | 16 15 | 0 30 | 14 32 | 1 52 | 16 35 | 0 46 | 21 4 | 1 12 | 23 35 | 0 25 | 17 51 | 1 37 | 14 37 | 16 42 | 23 15 | 23 9 | 25 0 | 4 0 | 5 7 | T 2 |
| W 3 | 16 41 | 12 33 | 5 1 | 16 24 | 0 28 | 16 38 | 0 27 | 14 22 | 1 53 | 16 39 | 0 46 | 21 5 | 1 12 | 23 35 | 0 25 | 17 51 | 1 37 | 14 37 | 16 43 | 23 15 | 23 9 | 25 0 | 4 0 | 5 6 | W 3 |
| T 4 | 16 59 | 17 33 | 4 36 | 15 41 | 0 48 | 17 2 | 0 25 | 14 13 | 1 54 | 16 43 | 0 45 | 21 6 | 1 12 | 23 34 | 0 25 | 17 52 | 1 37 | 14 36 | 16 43 | 23 16 | 23 9 | 24 59 | 4 1 | 5 6 | T 4 |
| F 5 | 17 16 | 21 31 | 3 52 | 14 59 | 1 7 | 17 25 | 0 23 | 14 4 | 1 55 | 16 46 | 0 45 | 21 7 | 1 12 | 23 34 | 0 25 | 17 52 | 1 37 | 14 36 | 16 44 | 23 16 | 23 10 | 24 59 | 4 1 | 5 6 | F 5 |
| S 6 | 17 33 | 24 3 | 2 51 | 14 20 | 1 25 | 17 47 | 0 20 | 13 54 | 1 56 | 16 50 | 0 45 | 21 8 | 1 11 | 23 34 | 0 25 | 17 53 | 1 37 | 14 36 | 16 44 | 23 17 | 23 10 | 24 59 | 4 2 | 5 6 | S 6 |
| S 7 | 17 49 | 24 50 | 1 39 | 13 44 | 1 41 | 18 9 | 0 18 | 13 45 | 1 57 | 16 54 | 0 45 | 21 9 | 1 11 | 23 34 | 0 25 | 17 53 | 1 37 | 14 35 | 16 44 | 23 17 | 23 10 | 24 59 | 4 2 | 5 5 | S 7 |
| M 8 | 18 6 | 23 49 | 0 20 | 13 13 | 1 56 | 18 30 | 0 16 | 13 36 | 1 58 | 16 58 | 0 45 | 21 10 | 1 11 | 23 34 | 0 25 | 17 54 | 1 37 | 14 35 | 16 45 | 23 17 | 23 10 | 24 58 | 4 3 | 5 5 | M 8 |
| T 9 | 18 22 | 21 12 | 0n58 | 12 46 | 2 8 | 18 51 | 0 13 | 13 27 | 1 59 | 17 1 | 0 45 | 21 11 | 1 11 | 23 33 | 0 25 | 17 54 | 1 37 | 14 35 | 16 45 | 23 17 | 23 11 | 24 58 | 4 3 | 5 5 | T 9 |
| W10 | 18 37 | 17 19 | 2 11 | 12 26 | 2 18 | 19 12 | 0 11 | 13 18 | 2 0 | 17 5 | 0 45 | 21 12 | 1 11 | 23 33 | 0 25 | 17 55 | 1 37 | 14 35 | 16 46 | 23 17 | 23 11 | 24 58 | 4 3 | 5 4 | W10 |
| T 11 | 18 53 | 12 35 | 3 15 | 12 10 | 2 26 | 19 32 | 0 9 | 13 8 | 2 1 | 17 9 | 0 45 | 21 13 | 1 11 | 23 33 | 0 25 | 17 55 | 1 37 | 14 34 | 16 46 | 23 17 | 23 11 | 24 58 | 4 4 | 5 4 | T 11 |
| F 12 | 19 8 | 7 22 | 4 6 | 12 1 | 2 31 | 19 51 | 0 6 | 12 59 | 2 3 | 17 12 | 0 45 | 21 14 | 1 11 | 23 33 | 0 25 | 17 56 | 1 37 | 14 34 | 16 47 | 23 17 | 23 11 | 24 57 | 4 4 | 5 4 | F 12 |
| S 13 | 19 22 | 1 56 | 4 42 | 11 56 | 2 35 | 20 10 | 0 4 | 12 50 | 2 4 | 17 16 | 0 45 | 21 15 | 1 11 | 23 32 | 0 25 | 17 57 | 1 37 | 14 34 | 16 47 | 23 17 | 23 12 | 24 57 | 4 4 | 5 3 | S 13 |
| S 14 | 19 36 | 3n26 | 5 4 | 11 57 | 2 38 | 20 28 | 0 2 | 12 41 | 2 5 | 17 20 | 0 45 | 21 16 | 1 11 | 23 32 | 0 25 | 17 57 | 1 37 | 14 34 | 16 48 | 23 17 | 23 12 | 24 57 | 4 5 | 5 3 | S 14 |
| M15 | 19 50 | 8 34 | 5 10 | 12 2 | 2 39 | 20 45 | 0s 1 | 12 32 | 2 6 | 17 23 | 0 45 | 21 17 | 1 11 | 23 32 | 0 25 | 17 58 | 1 37 | 14 33 | 16 48 | 23 18 | 23 12 | 24 57 | 4 5 | 5 3 | M15 |
| T 16 | 20 4 | 13 17 | 5 1 | 12 11 | 2 38 | 21 3 | 0 3 | 12 23 | 2 7 | 17 27 | 0 45 | 21 18 | 1 10 | 23 32 | 0 25 | 17 58 | 1 37 | 14 33 | 16 49 | 23 18 | 23 12 | 24 56 | 4 5 | 5 2 | T 16 |
| W17 | 20 17 | 17 23 | 4 39 | 12 23 | 2 37 | 21 19 | 0 6 | 12 14 | 2 8 | 17 30 | 0 45 | 21 19 | 1 10 | 23 31 | 0 25 | 17 59 | 1 37 | 14 33 | 16 49 | 23 19 | 23 13 | 24 56 | 4 5 | 5 2 | W17 |
| T 18 | 20 30 | 20 43 | 4 4 | 12 39 | 2 34 | 21 35 | 0 8 | 12 6 | 2 9 | 17 34 | 0 45 | 21 20 | 1 10 | 23 31 | 0 25 | 17 59 | 1 37 | 14 33 | 16 50 | 23 19 | 23 13 | 24 56 | 4 6 | 5 2 | T 18 |
| F 19 | 20 42 | 23 8 | 3 19 | 12 57 | 2 30 | 21 50 | 0 10 | 11 57 | 2 11 | 17 37 | 0 45 | 21 21 | 1 10 | 23 31 | 0 25 | 18 0 | 1 37 | 14 33 | 16 50 | 23 19 | 23 13 | 24 55 | 4 6 | 5 1 | F 19 |
| S 20 | 20 54 | 24 30 | 2 25 | 13 17 | 2 26 | 22 4 | 0 13 | 11 48 | 2 12 | 17 41 | 0 45 | 21 22 | 1 10 | 23 31 | 0 25 | 18 0 | 1 37 | 14 33 | 16 50 | 23 20 | 23 13 | 24 55 | 4 6 | 5 1 | S 20 |
| S 21 | 21 6 | 24 45 | 1 26 | 13 39 | 2 21 | 22 18 | 0 15 | 11 40 | 2 13 | 17 44 | 0 44 | 21 23 | 1 10 | 23 30 | 0 25 | 18 1 | 1 37 | 14 33 | 16 51 | 23 20 | 23 13 | 24 55 | 4 6 | 5 1 | S 21 |
| M22 | 21 17 | 23 53 | 0 22 | 14 3 | 2 16 | 22 32 | 0 18 | 11 31 | 2 14 | 17 48 | 0 44 | 21 24 | 1 10 | 23 30 | 0 25 | 18 1 | 1 37 | 14 33 | 16 52 | 23 20 | 23 14 | 24 54 | 4 6 | 5 0 | M22 |
| T 23 | 21 28 | 21 57 | 0s42 | 14 28 | 2 10 | 22 44 | 0 20 | 11 23 | 2 15 | 17 51 | 0 44 | 21 25 | 1 10 | 23 30 | 0 25 | 18 2 | 1 37 | 14 33 | 16 52 | 23 20 | 23 14 | 24 54 | 4 6 | 5 0 | T 23 |
| W24 | 21 38 | 19 3 | 1 46 | 14 54 | 2 3 | 22 56 | 0 22 | 11 14 | 2 17 | 17 55 | 0 44 | 21 26 | 1 10 | 23 30 | 0 25 | 18 2 | 1 37 | 14 33 | 16 53 | 23 20 | 23 14 | 24 54 | 4 6 | 5 0 | W24 |
| T 25 | 21 48 | 15 19 | 2 45 | 15 21 | 1 57 | 23 7 | 0 25 | 11 6 | 2 18 | 17 58 | 0 44 | 21 26 | 1 10 | 23 29 | 0 25 | 18 3 | 1 37 | 14 33 | 16 53 | 23 20 | 23 14 | 24 53 | 4 7 | 4 59 | T 25 |
| F 26 | 21 58 | 10 54 | 3 38 | 15 48 | 1 50 | 23 18 | 0 27 | 10 58 | 2 19 | 18 1 | 0 44 | 21 27 | 1 10 | 23 29 | 0 25 | 18 3 | 1 37 | 14 33 | 16 54 | 23 20 | 23 15 | 24 53 | 4 7 | 4 59 | F 26 |
| S 27 | 22 7 | 5 58 | 4 22 | 16 15 | 1 43 | 23 28 | 0 29 | 10 50 | 2 20 | 18 5 | 0 44 | 21 28 | 1 10 | 23 29 | 0 25 | 18 4 | 1 37 | 14 33 | 16 54 | 23 20 | 23 15 | 24 53 | 4 7 | 4 59 | S 27 |
| S 28 | 22 15 | 0 38 | 4 54 | 16 43 | 1 35 | 23 37 | 0 32 | 10 41 | 2 22 | 18 8 | 0 44 | 21 29 | 1 10 | 23 29 | 0 25 | 18 4 | 1 37 | 14 33 | 16 55 | 23 20 | 23 15 | 24 52 | 4 7 | 4 58 | S 28 |
| M29 | 22 24 | 4s52 | 5 12 | 17 10 | 1 28 | 23 45 | 0 34 | 10 34 | 2 23 | 18 11 | 0 44 | 21 30 | 1 9 | 23 28 | 0 25 | 18 5 | 1 37 | 14 33 | 16 55 | 23 20 | 23 15 | 24 52 | 4 7 | 4 58 | M29 |
| T 30 | 22s31 | 10s21 | 5s13 | 17s38 | 1n20 | 23s53 | 0s36 | 10n26 | 2n24 | 18s15 | 0n44 | 21s31 | 1n 9 | 23s28 | 0s25 | 18s 5 | 1n37 | 14n33 | 16n56 | 23s20 | 23s15 | 24n51 | 4s 7 | 4n58 | T 30 |

Julian Day Number = 2081498.5, Delta T = 25m29s
Ecliptic obliquity = 23°34'16, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'10, Lahiri = 9°44'10 Julian Calendar 1 Nov. 986 == Greg. Calendar 6 Nov. 986


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# ASTRODIENST EPHEMERIS for the year 986
# geocentric

## DECEMBER 986 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 4 58 55 | 14♐21'09 | 28♎10 | 25♏35 | 22♐28 | 9♍30 | 24♏32 | 14♐37 | 11♑45 | 27♏21 | 2♎23 | 7°R53 | 9♑ 2 | 21♊14 | 7♓45 | W 1 |
| T 2 | 5 2 51 | 15°22'21 | 12♏48 | 26°59 | 23°43 | 9°53 | 24°45 | 14°44 | 11°48 | 27°23 | 2°24 | 7♑50 | 8°58 | 21°21 | 7°46 | T 2 |
| F 3 | 5 6 48 | 16°23'33 | 27°47 | 28°23 | 24°59 | 10°16 | 24°58 | 14°51 | 11°51 | 27°25 | 2°25 | 7°47 | 8°55 | 21°28 | 7°47 | F 3 |
| S 4 | 5 10 44 | 17°24'46 | 12♐58 | 29°48 | 26°14 | 10°39 | 25°11 | 14°58 | 11°54 | 27°27 | 2°26 | 7°45 | 8°52 | 21°34 | 7°48 | S 4 |
| S 5 | 5 14 41 | 18°25'59 | 28°13 | 1♐15 | 27°29 | 11° 1 | 25°24 | 15° 5 | 11°58 | 27°29 | 2°26 | 7°44 | 8°49 | 21°41 | 7°49 | S 5 |
| M 6 | 5 18 37 | 19°27'12 | 13♑22 | 2°41 | 28°45 | 11°23 | 25°37 | 15°12 | 12° 1 | 27°32 | 2°27 | 7°D44 | 8°46 | 21°48 | 7°50 | M 6 |
| T 7 | 5 22 34 | 20°28'26 | 28°14 | 4° 9 | 0♑ 0 | 11°45 | 25°50 | 15°19 | 12° 4 | 27°34 | 2°28 | 7°44 | 8°42 | 21°54 | 7°52 | T 7 |
| W 8 | 5 26 30 | 21°29'39 | 12♒45 | 5°37 | 1°16 | 12° 6 | 26° 3 | 15°26 | 12° 8 | 27°36 | 2°29 | 7°45 | 8°39 | 22° 1 | 7°53 | W 8 |
| T 9 | 5 30 27 | 22°30'52 | 26°49 | 7° 5 | 2°31 | 12°27 | 26°16 | 15°33 | 12°11 | 27°38 | 2°30 | 7°47 | 8°36 | 22° 8 | 7°54 | T 9 |
| F 10 | 5 34 24 | 23°32'05 | 10♓28 | 8°34 | 3°46 | 12°47 | 26°29 | 15°41 | 12°15 | 27°40 | 2°31 | 7°48 | 8°33 | 22°14 | 7°56 | F 10 |
| S 11 | 5 38 20 | 24°33'18 | 23°41 | 10° 4 | 5° 2 | 13° 8 | 26°41 | 15°48 | 12°18 | 27°42 | 2°31 | 7°R48 | 8°30 | 22°21 | 7°57 | S 11 |
| S 12 | 5 42 17 | 25°34'30 | 6♈31 | 11°34 | 6°17 | 13°28 | 26°54 | 15°55 | 12°21 | 27°44 | 2°32 | 7°48 | 8°27 | 22°28 | 7°59 | S 12 |
| M13 | 5 46 13 | 26°35'42 | 19° 3 | 13° 4 | 7°32 | 13°47 | 27° 6 | 16° 2 | 12°25 | 27°46 | 2°33 | 7°47 | 8°23 | 22°34 | 8° 0 | M13 |
| T 14 | 5 50 10 | 27°36'54 | 1♉19 | 14°35 | 8°48 | 14° 6 | 27°19 | 16° 9 | 12°28 | 27°48 | 2°33 | 7°46 | 8°20 | 22°41 | 8° 2 | T 14 |
| W15 | 5 54 6 | 28°38'06 | 13°24 | 16° 6 | 10° 3 | 14°25 | 27°32 | 16°15 | 12°32 | 27°50 | 2°34 | 7°44 | 8°17 | 22°48 | 8° 4 | W15 |
| T 16 | 5 58 3 | 29°39'17 | 25°21 | 17°37 | 11°18 | 14°43 | 27°44 | 16°22 | 12°35 | 27°52 | 2°34 | 7°43 | 8°14 | 22°54 | 8° 6 | T 16 |
| F 17 | 6 1 59 | 0♑40'28 | 7♊12 | 19° 9 | 12°34 | 15° 1 | 27°56 | 16°29 | 12°39 | 27°54 | 2°35 | 7°42 | 8°11 | 23° 1 | 8° 7 | F 17 |
| S 18 | 6 5 56 | 1°41'39 | 19° 0 | 20°42 | 13°49 | 15°19 | 28° 9 | 16°36 | 12°42 | 27°56 | 2°35 | 7°41 | 8° 8 | 23° 8 | 8° 9 | S 18 |
| S 19 | 6 9 53 | 2°42'49 | 0♋48 | 22°14 | 15° 4 | 15°36 | 28°21 | 16°43 | 12°46 | 27°58 | 2°36 | 7°41 | 8° 4 | 23°14 | 8°11 | S 19 |
| M20 | 6 13 49 | 3°44'00 | 12°38 | 23°48 | 16°20 | 15°52 | 28°33 | 16°50 | 12°49 | 28° 0 | 2°36 | 7°D41 | 8° 1 | 23°21 | 8°13 | M20 |
| T 21 | 6 17 46 | 4°45'10 | 24°32 | 25°21 | 17°35 | 16° 8 | 28°45 | 16°57 | 12°53 | 28° 2 | 2°37 | 7°41 | 7°58 | 23°27 | 8°15 | T 21 |
| W22 | 6 21 42 | 5°46'19 | 6♌31 | 26°55 | 18°50 | 16°24 | 28°57 | 17° 4 | 12°56 | 28° 4 | 2°37 | 7°41 | 7°55 | 23°34 | 8°17 | W22 |
| T 23 | 6 25 39 | 6°47'29 | 18°39 | 28°30 | 20° 5 | 16°39 | 29°10 | 17°11 | 13° 0 | 28° 6 | 2°37 | 7°41 | 7°52 | 23°41 | 8°19 | T 23 |
| F 24 | 6 29 35 | 7°48'38 | 0♍58 | 0♑ 5 | 21°21 | 16°54 | 29°21 | 17°17 | 13° 3 | 28° 8 | 2°37 | 7°R41 | 7°48 | 23°47 | 8°21 | F 24 |
| S 25 | 6 33 32 | 8°49'46 | 13°31 | 1°40 | 22°36 | 17° 8 | 29°33 | 17°24 | 13° 7 | 28° 9 | 2°38 | 7°41 | 7°45 | 23°54 | 8°23 | S 25 |
| S 26 | 6 37 28 | 9°50'55 | 26°21 | 3°16 | 23°51 | 17°22 | 29°45 | 17°31 | 13°10 | 28°11 | 2°38 | 7°41 | 7°42 | 24° 1 | 8°26 | S 26 |
| M27 | 6 41 25 | 10°52'03 | 9♎31 | 4°53 | 25° 6 | 17°35 | 29°57 | 17°37 | 13°14 | 28°13 | 2°38 | 7°D41 | 7°39 | 24° 7 | 8°28 | M27 |
| T 28 | 6 45 22 | 11°53'11 | 23° 3 | 6°29 | 26°21 | 17°48 | 0♐ 9 | 17°44 | 13°18 | 28°15 | 2°38 | 7°41 | 7°36 | 24°14 | 8°30 | T 28 |
| W29 | 6 49 18 | 12°54'19 | 6♏59 | 8° 7 | 27°36 | 18° 0 | 0°20 | 17°51 | 13°21 | 28°17 | 2°38 | 7°42 | 7°33 | 24°21 | 8°32 | W29 |
| T 30 | 6 53 15 | 13°55'26 | 21°19 | 9°45 | 28°52 | 18°11 | 0°32 | 17°57 | 13°25 | 28°18 | 2°38 | 7°42 | 7°29 | 24°27 | 8°35 | T 30 |
| F 31 | 6 57 11 | 14♑56'33 | 6♐ 1 | 11♑24 | 0♒ 7 | 18♍23 | 0♐43 | 18♐ 4 | 13♑28 | 28♏20 | 2°R38 | 7♑43 | 7♑26 | 24♊34 | 8♓37 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s39 | 15s28 | 4s56 | 18s 5 | 1n13 | 23s59 | 0s38 | 10n18 | 2n26 | 18s18 | 0n44 | 21s32 | 1n 9 | 23s28 | 0s25 | 18s 6 | 1n37 | 14n33 | 16n56 | 23s20 | 23s16 | 24n51 | 4s 7 | 4n57 |
| T 2 | 22 46 | 19 52 | 4 19 | 18 32 | 1 5 | 24 6 | 0 40 | 10 10 | 2 27 | 18 21 | 0 44 | 21 33 | 1 9 | 23 27 | 0 25 | 18 6 | 1 37 | 14 33 | 16 57 | 23 20 | 23 16 | 24 51 | 4 6 | 4 57 |
| F 3 | 22 52 | 23 4 | 3 23 | 18 59 | 0 57 | 24 11 | 0 43 | 10 3 | 2 28 | 18 24 | 0 44 | 21 34 | 1 9 | 23 27 | 0 25 | 18 7 | 1 37 | 14 33 | 16 57 | 23 20 | 23 16 | 24 50 | 4 6 | 4 57 |
| S 4 | 22 58 | 24 40 | 2 13 | 19 25 | 0 50 | 24 16 | 0 45 | 9 55 | 2 30 | 18 27 | 0 44 | 21 34 | 1 9 | 23 27 | 0 25 | 18 7 | 1 37 | 14 33 | 16 58 | 23 21 | 23 16 | 24 50 | 4 6 | 4 57 |
| S 5 | 23 4 | 24 26 | 0 52 | 19 50 | 0 42 | 24 20 | 0 47 | 9 48 | 2 31 | 18 31 | 0 44 | 21 35 | 1 9 | 23 26 | 0 25 | 18 8 | 1 37 | 14 33 | 16 59 | 23 21 | 23 17 | 24 49 | 4 6 | 4 56 |
| M 6 | 23 9 | 22 23 | 0n31 | 20 15 | 0 34 | 24 23 | 0 49 | 9 41 | 2 32 | 18 34 | 0 44 | 21 36 | 1 9 | 23 26 | 0 25 | 18 8 | 1 37 | 14 33 | 16 59 | 23 21 | 23 17 | 24 49 | 4 6 | 4 56 |
| T 7 | 23 14 | 18 49 | 1 51 | 20 39 | 0 27 | 24 25 | 0 51 | 9 34 | 2 34 | 18 37 | 0 44 | 21 37 | 1 9 | 23 26 | 0 25 | 18 9 | 1 37 | 14 34 | 17 0 | 23 21 | 23 17 | 24 49 | 4 6 | 4 56 |
| W 8 | 23 18 | 14 10 | 3 2 | 21 3 | 0 19 | 24 27 | 0 53 | 9 27 | 2 35 | 18 40 | 0 44 | 21 38 | 1 9 | 23 26 | 0 25 | 18 9 | 1 37 | 14 34 | 17 0 | 23 21 | 23 17 | 24 48 | 4 6 | 4 55 |
| T 9 | 23 21 | 8 53 | 4 0 | 21 25 | 0 12 | 24 28 | 0 55 | 9 20 | 2 36 | 18 43 | 0 44 | 21 38 | 1 9 | 23 25 | 0 25 | 18 9 | 1 37 | 14 34 | 17 1 | 23 20 | 23 17 | 24 48 | 4 5 | 4 55 |
| F 10 | 23 25 | 3 20 | 4 42 | 21 47 | 0 4 | 24 28 | 0 57 | 9 13 | 2 38 | 18 46 | 0 44 | 21 39 | 1 9 | 23 25 | 0 25 | 18 10 | 1 37 | 14 34 | 17 1 | 23 20 | 23 18 | 24 47 | 4 5 | 4 55 |
| S 11 | 23 27 | 2n11 | 5 8 | 22 8 | 0s 3 | 24 27 | 0 59 | 9 7 | 2 39 | 18 49 | 0 44 | 21 40 | 1 9 | 23 25 | 0 25 | 18 10 | 1 37 | 14 35 | 17 2 | 23 20 | 23 18 | 24 47 | 4 5 | 4 54 |
| S 12 | 23 30 | 7 27 | 5 17 | 22 27 | 0 10 | 24 26 | 1 1 | 9 0 | 2 41 | 18 52 | 0 44 | 21 41 | 1 9 | 23 24 | 0 25 | 18 11 | 1 38 | 14 35 | 17 3 | 23 20 | 23 18 | 24 46 | 4 4 | 4 54 |
| M13 | 23 32 | 12 17 | 5 11 | 22 46 | 0 17 | 24 24 | 1 2 | 8 54 | 2 42 | 18 55 | 0 44 | 21 42 | 1 9 | 23 24 | 0 25 | 18 11 | 1 38 | 14 35 | 17 3 | 23 20 | 23 18 | 24 46 | 4 4 | 4 54 |
| T 14 | 23 33 | 16 32 | 4 51 | 23 4 | 0 24 | 24 21 | 1 4 | 8 48 | 2 44 | 18 58 | 0 44 | 21 42 | 1 9 | 23 24 | 0 25 | 18 12 | 1 38 | 14 35 | 17 4 | 23 21 | 23 18 | 24 45 | 4 4 | 4 54 |
| W15 | 23 34 | 20 3 | 4 18 | 23 21 | 0 30 | 24 17 | 1 6 | 8 42 | 2 45 | 19 0 | 0 44 | 21 43 | 1 9 | 23 23 | 0 25 | 18 12 | 1 38 | 14 36 | 17 4 | 23 21 | 23 19 | 24 45 | 4 3 | 4 53 |
| T 16 | 23 34 | 22 40 | 3 34 | 23 36 | 0 37 | 24 13 | 1 8 | 8 36 | 2 47 | 19 3 | 0 44 | 21 44 | 1 9 | 23 23 | 0 25 | 18 13 | 1 38 | 14 36 | 17 5 | 23 21 | 23 19 | 24 44 | 4 3 | 4 53 |
| F 17 | 23 34 | 24 17 | 2 42 | 23 51 | 0 43 | 24 7 | 1 9 | 8 31 | 2 48 | 19 6 | 0 44 | 21 45 | 1 9 | 23 23 | 0 25 | 18 13 | 1 38 | 14 36 | 17 5 | 23 21 | 23 19 | 24 44 | 4 3 | 4 53 |
| S 18 | 23 34 | 24 48 | 1 42 | 24 4 | 0 50 | 24 2 | 1 11 | 8 25 | 2 50 | 19 9 | 0 44 | 21 45 | 1 9 | 23 22 | 0 25 | 18 13 | 1 38 | 14 37 | 17 6 | 23 21 | 23 19 | 24 43 | 4 2 | 4 52 |
| S 19 | 23 33 | 24 12 | 0 38 | 24 16 | 0 56 | 23 55 | 1 12 | 8 20 | 2 51 | 19 12 | 0 44 | 21 46 | 1 8 | 23 22 | 0 25 | 18 14 | 1 38 | 14 37 | 17 7 | 23 21 | 23 19 | 24 43 | 4 2 | 4 52 |
| M20 | 23 31 | 22 31 | 0s28 | 24 27 | 1 2 | 23 47 | 1 14 | 8 15 | 2 53 | 19 14 | 0 44 | 21 47 | 1 8 | 23 22 | 0 25 | 18 14 | 1 38 | 14 37 | 17 7 | 23 21 | 23 20 | 24 42 | 4 1 | 4 52 |
| T 21 | 23 29 | 19 49 | 1 32 | 24 37 | 1 7 | 23 39 | 1 15 | 8 10 | 2 54 | 19 17 | 0 44 | 21 48 | 1 8 | 23 21 | 0 25 | 18 15 | 1 38 | 14 38 | 17 8 | 23 21 | 23 20 | 24 42 | 4 1 | 4 52 |
| W22 | 23 27 | 16 16 | 2 34 | 24 45 | 1 13 | 23 30 | 1 17 | 8 5 | 2 56 | 19 20 | 0 44 | 21 48 | 1 8 | 23 21 | 0 25 | 18 15 | 1 38 | 14 38 | 17 8 | 23 21 | 23 20 | 24 41 | 4 0 | 4 51 |
| T 23 | 23 24 | 12 0 | 3 29 | 24 52 | 1 18 | 23 21 | 1 18 | 8 1 | 2 57 | 19 22 | 0 44 | 21 49 | 1 8 | 23 21 | 0 25 | 18 15 | 1 38 | 14 39 | 17 9 | 23 21 | 23 20 | 24 41 | 4 0 | 4 51 |
| F 24 | 23 20 | 7 13 | 4 15 | 24 57 | 1 23 | 23 11 | 1 19 | 7 56 | 2 59 | 19 25 | 0 44 | 21 50 | 1 8 | 23 20 | 0 25 | 18 16 | 1 38 | 14 39 | 17 10 | 23 21 | 23 20 | 24 40 | 3 59 | 4 51 |
| S 25 | 23 17 | 2 3 | 4 50 | 25 1 | 1 28 | 22 59 | 1 21 | 7 52 | 3 0 | 19 27 | 0 44 | 21 50 | 1 8 | 23 20 | 0 25 | 18 16 | 1 38 | 14 40 | 17 10 | 23 21 | 23 21 | 24 40 | 3 59 | 4 50 |
| S 26 | 23 12 | 3s18 | 5 12 | 25 4 | 1 32 | 22 48 | 1 22 | 7 48 | 3 2 | 19 30 | 0 44 | 21 51 | 1 8 | 23 20 | 0 25 | 18 17 | 1 38 | 14 40 | 17 11 | 23 21 | 23 21 | 24 39 | 3 58 | 4 50 |
| M27 | 23 7 | 8 39 | 5 18 | 25 5 | 1 37 | 22 35 | 1 23 | 7 45 | 3 4 | 19 33 | 0 44 | 21 52 | 1 8 | 23 19 | 0 25 | 18 17 | 1 38 | 14 40 | 17 11 | 23 21 | 23 21 | 24 39 | 3 58 | 4 50 |
| T 28 | 23 2 | 13 45 | 5 7 | 25 5 | 1 41 | 22 22 | 1 24 | 7 41 | 3 5 | 19 35 | 0 44 | 21 52 | 1 8 | 23 19 | 0 25 | 18 17 | 1 38 | 14 41 | 17 12 | 23 21 | 23 21 | 24 38 | 3 57 | 4 50 |
| W29 | 22 56 | 18 17 | 4 38 | 25 3 | 1 44 | 22 9 | 1 25 | 7 38 | 3 7 | 19 37 | 0 44 | 21 53 | 1 8 | 23 19 | 0 25 | 18 18 | 1 38 | 14 41 | 17 13 | 23 21 | 23 21 | 24 38 | 3 56 | 4 49 |
| T 30 | 22 50 | 21 54 | 3 51 | 25 0 | 1 48 | 21 54 | 1 26 | 7 35 | 3 8 | 19 40 | 0 44 | 21 53 | 1 8 | 23 18 | 0 25 | 18 18 | 1 38 | 14 42 | 17 13 | 23 21 | 23 21 | 24 37 | 3 56 | 4 49 |
| F 31 | 22s44 | 24s10 | 2s47 | 24s55 | 1s51 | 21s39 | 1s27 | 7n32 | 3n10 | 19s42 | 0n44 | 21s54 | 1n 8 | 23s18 | 0s25 | 18s18 | 1n38 | 14n43 | 17n14 | 23s21 | 23s22 | 24n36 | 3s55 | 4n49 |

Julian Day Number = 2081528.5, Delta T = 25m29s
Ecliptic obliquity = 23°34'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'14, Lahiri = 9°44'15 Julian Calendar 1 Dec. 986 == Greg. Calendar 6 Dec. 986


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## JANUARY 987 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 1 8 | 15♑57'40 | 20♐58 | 13♑ 3 | 1♒22 | 18♏33 | 0♐55 | 18♐11 | 13♑32 | 28♏22 | 2°R38 | 7♑43 | 7♑23 | 24♊41 | 8♓40 | S 1 |
| S 2 | 7 5 4 | 16°58'46 | 6♑ 5 | 14°42 | 2°37 | 18°43 | 1° 6 | 18°17 | 13°35 | 28°23 | 2♎38 | 7°R44 | 7°20 | 24°47 | 8°42 | S 2 |
| M 3 | 7 9 1 | 17°59'51 | 21°12 | 16°23 | 3°52 | 18°52 | 1°17 | 18°24 | 13°39 | 28°25 | 2°38 | 7°43 | 7°17 | 24°54 | 8°45 | M 3 |
| T 4 | 7 12 58 | 19° 0'55 | 6♒10 | 18° 4 | 5° 7 | 19° 1 | 1°28 | 18°30 | 13°42 | 28°27 | 2°38 | 7°43 | 7°14 | 25° 1 | 8°47 | T 4 |
| W 5 | 7 16 54 | 20° 1'58 | 20°51 | 19°45 | 6°22 | 19° 9 | 1°40 | 18°36 | 13°46 | 28°28 | 2°38 | 7°41 | 7°10 | 25° 7 | 8°50 | W 5 |
| T 6 | 7 20 51 | 21° 3'00 | 5♓ 9 | 21°28 | 7°37 | 19°16 | 1°51 | 18°43 | 13°49 | 28°30 | 2°38 | 7°39 | 7° 7 | 25°14 | 8°53 | T 6 |
| F 7 | 7 24 47 | 22° 4'01 | 18°59 | 23°10 | 8°52 | 19°23 | 2° 1 | 18°49 | 13°53 | 28°31 | 2°37 | 7°38 | 7° 4 | 25°21 | 8°55 | F 7 |
| S 8 | 7 28 44 | 23° 5'01 | 2♈22 | 24°54 | 10° 7 | 19°29 | 2°12 | 18°55 | 13°56 | 28°33 | 2°37 | 7°36 | 7° 1 | 25°27 | 8°58 | S 8 |
| S 9 | 7 32 40 | 24° 5'59 | 15°19 | 26°38 | 11°22 | 19°35 | 2°23 | 19° 2 | 14° 0 | 28°34 | 2°37 | 7°35 | 6°58 | 25°34 | 9° 1 | S 9 |
| M10 | 7 36 37 | 25° 6'56 | 27°53 | 28°22 | 12°37 | 19°39 | 2°34 | 19° 8 | 14° 4 | 28°36 | 2°36 | 7°D35 | 6°54 | 25°40 | 9° 4 | M10 |
| T 11 | 7 40 33 | 26° 7'52 | 10♉ 8 | 0♒ 8 | 13°52 | 19°43 | 2°44 | 19°14 | 14° 7 | 28°37 | 2°36 | 7°36 | 6°51 | 25°47 | 9° 6 | T 11 |
| W12 | 7 44 30 | 27° 8'46 | 22°10 | 1°53 | 15° 7 | 19°47 | 2°55 | 19°20 | 14°10 | 28°39 | 2°36 | 7°37 | 6°48 | 25°54 | 9° 9 | W12 |
| T 13 | 7 48 27 | 28° 9'39 | 4♊ 2 | 3°40 | 16°22 | 19°50 | 3° 5 | 19°26 | 14°14 | 28°40 | 2°35 | 7°39 | 6°45 | 26° 0 | 9°12 | T 13 |
| F 14 | 7 52 23 | 29°10'31 | 15°50 | 5°27 | 17°37 | 19°52 | 3°15 | 19°32 | 14°17 | 28°41 | 2°35 | 7°40 | 6°42 | 26° 7 | 9°15 | F 14 |
| S 15 | 7 56 20 | 0♒11'21 | 27°37 | 7°14 | 18°52 | 19°53 | 3°25 | 19°38 | 14°21 | 28°43 | 2°34 | 7°41 | 6°39 | 26°14 | 9°18 | S 15 |
| S 16 | 8 0 16 | 1°12'10 | 9♋26 | 9° 1 | 20° 7 | 19°R54 | 3°35 | 19°44 | 14°24 | 28°44 | 2°34 | 7°R42 | 6°35 | 26°20 | 9°21 | S 16 |
| M17 | 8 4 13 | 2°12'58 | 21°21 | 10°49 | 21°21 | 19°53 | 3°45 | 19°50 | 14°28 | 28°45 | 2°33 | 7°41 | 6°32 | 26°27 | 9°24 | M17 |
| T 18 | 8 8 9 | 3°13'44 | 3♌24 | 12°36 | 22°36 | 19°52 | 3°55 | 19°55 | 14°31 | 28°46 | 2°32 | 7°39 | 6°29 | 26°34 | 9°27 | T 18 |
| W19 | 8 12 6 | 4°14'29 | 15°36 | 14°24 | 23°51 | 19°51 | 4° 5 | 20° 1 | 14°35 | 28°48 | 2°32 | 7°35 | 6°26 | 26°40 | 9°30 | W19 |
| T 20 | 8 16 2 | 5°15'12 | 27°59 | 16°12 | 25° 6 | 19°48 | 4°14 | 20° 7 | 14°38 | 28°49 | 2°31 | 7°31 | 6°23 | 26°47 | 9°33 | T 20 |
| F 21 | 8 19 59 | 6°15'54 | 10♍34 | 17°58 | 26°20 | 19°45 | 4°24 | 20°12 | 14°41 | 28°50 | 2°30 | 7°26 | 6°20 | 26°54 | 9°37 | F 21 |
| S 22 | 8 23 56 | 7°16'35 | 23°21 | 19°45 | 27°35 | 19°41 | 4°33 | 20°18 | 14°45 | 28°51 | 2°30 | 7°21 | 6°16 | 27° 0 | 9°40 | S 22 |
| S 23 | 8 27 52 | 8°17'15 | 6♎21 | 21°30 | 28°50 | 19°37 | 4°42 | 20°24 | 14°48 | 28°52 | 2°29 | 7°17 | 6°13 | 27° 7 | 9°43 | S 23 |
| M24 | 8 31 49 | 9°17'53 | 19°37 | 23°14 | 0♓ 4 | 19°31 | 4°52 | 20°29 | 14°51 | 28°53 | 2°28 | 7°14 | 6°10 | 27°14 | 9°46 | M24 |
| T 25 | 8 35 45 | 10°18'30 | 3♏ 7 | 24°56 | 1°19 | 19°25 | 5° 1 | 20°34 | 14°55 | 28°54 | 2°27 | 7°12 | 6° 7 | 27°20 | 9°49 | T 25 |
| W26 | 8 39 42 | 11°19'06 | 16°55 | 26°35 | 2°33 | 19°18 | 5°10 | 20°40 | 14°58 | 28°55 | 2°26 | 7°D12 | 6° 4 | 27°27 | 9°53 | W26 |
| T 27 | 8 43 38 | 12°19'41 | 0♐59 | 28°13 | 3°48 | 19°10 | 5°18 | 20°45 | 15° 1 | 28°56 | 2°25 | 7°13 | 6° 0 | 27°33 | 9°56 | T 27 |
| F 28 | 8 47 35 | 13°20'14 | 15°19 | 29°47 | 5° 2 | 19° 1 | 5°27 | 20°50 | 15° 4 | 28°57 | 2°25 | 7°14 | 5°57 | 27°40 | 9°59 | F 28 |
| S 29 | 8 51 31 | 14°20'47 | 29°52 | 1♓17 | 6°17 | 18°52 | 5°36 | 20°55 | 15° 8 | 28°58 | 2°24 | 7°R16 | 5°54 | 27°47 | 10° 3 | S 29 |
| S 30 | 8 55 28 | 15°21'18 | 14♑36 | 2°42 | 7°31 | 18°42 | 5°44 | 21° 0 | 15°11 | 28°59 | 2°23 | 7°16 | 5°51 | 27°53 | 10° 6 | S 30 |
| M31 | 8 59 25 | 16♒21'47 | 29♑24 | 4♓ 3 | 8♓46 | 18♏31 | 5♐52 | 21♐ 5 | 15♑14 | 29♏ 0 | 2♎22 | 7♑14 | 5♑48 | 28♊ 0 | 10♓ 9 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s37 | 24s47 | 1s32 | 24s49 | 1s54 | 21s23 | 1s28 | 7n29 | 3n12 | 19s45 | 0n44 | 21s55 | 1n 8 | 23s18 | 0s25 | 18s19 | 1n38 | 14n43 | 17n14 | 23s21 | 23s22 | 24n36 | 3s54 | 4n49 |
| S 2 | 22 29 | 23 35 | 0 9 | 24 41 | 1 56 | 21 7 | 1 28 | 7 27 | 3 13 | 19 47 | 0 44 | 21 55 | 1 8 | 23 17 | 0 25 | 18 19 | 1 38 | 14 44 | 17 15 | 23 21 | 23 22 | 24 35 | 3 54 | 4 48 |
| M 3 | 22 21 | 20 40 | 1n14 | 24 31 | 1 59 | 20 50 | 1 29 | 7 25 | 3 15 | 19 49 | 0 44 | 21 56 | 1 8 | 23 17 | 0 25 | 18 19 | 1 38 | 14 44 | 17 15 | 23 21 | 23 22 | 24 35 | 3 53 | 4 48 |
| T 4 | 22 13 | 16 23 | 2 32 | 24 20 | 2 0 | 20 33 | 1 30 | 7 23 | 3 17 | 19 52 | 0 44 | 21 56 | 1 8 | 23 16 | 0 25 | 18 20 | 1 38 | 14 45 | 17 16 | 23 21 | 23 22 | 24 34 | 3 52 | 4 48 |
| W 5 | 22 4 | 11 11 | 3 37 | 24 7 | 2 2 | 20 14 | 1 30 | 7 21 | 3 18 | 19 54 | 0 44 | 21 57 | 1 8 | 23 16 | 0 25 | 18 20 | 1 38 | 14 45 | 17 17 | 23 21 | 23 23 | 24 33 | 3 51 | 4 48 |
| T 6 | 21 55 | 5 32 | 4 27 | 23 52 | 2 3 | 19 56 | 1 31 | 7 20 | 3 20 | 19 56 | 0 44 | 21 57 | 1 8 | 23 16 | 0 25 | 18 20 | 1 38 | 14 46 | 17 17 | 23 21 | 23 23 | 24 33 | 3 51 | 4 47 |
| F 7 | 21 45 | 0n13 | 5 0 | 23 36 | 2 3 | 19 36 | 1 31 | 7 19 | 3 22 | 19 58 | 0 44 | 21 58 | 1 8 | 23 15 | 0 25 | 18 21 | 1 38 | 14 47 | 17 18 | 23 21 | 23 23 | 24 32 | 3 50 | 4 47 |
| S 8 | 21 35 | 5 46 | 5 16 | 23 18 | 2 4 | 19 16 | 1 32 | 7 18 | 3 23 | 20 0 | 0 44 | 21 58 | 1 8 | 23 15 | 0 25 | 18 21 | 1 38 | 14 47 | 17 18 | 23 21 | 23 23 | 24 32 | 3 49 | 4 47 |
| S 9 | 21 25 | 10 53 | 5 14 | 22 58 | 2 3 | 18 56 | 1 32 | 7 17 | 3 25 | 20 2 | 0 44 | 21 59 | 1 8 | 23 15 | 0 25 | 18 21 | 1 38 | 14 48 | 17 19 | 23 21 | 23 23 | 24 31 | 3 48 | 4 47 |
| M10 | 21 14 | 15 24 | 4 57 | 22 36 | 2 3 | 18 35 | 1 32 | 7 17 | 3 26 | 20 4 | 0 44 | 22 0 | 1 8 | 23 14 | 0 25 | 18 21 | 1 38 | 14 49 | 17 19 | 23 21 | 23 23 | 24 30 | 3 47 | 4 46 |
| T 11 | 21 2 | 19 10 | 4 27 | 22 13 | 2 2 | 18 14 | 1 32 | 7 17 | 3 28 | 20 7 | 0 44 | 22 0 | 1 8 | 23 14 | 0 25 | 18 22 | 1 38 | 14 49 | 17 20 | 23 21 | 23 24 | 24 30 | 3 47 | 4 46 |
| W12 | 20 51 | 22 3 | 3 46 | 21 48 | 2 0 | 17 52 | 1 32 | 7 17 | 3 30 | 20 9 | 0 44 | 22 0 | 1 8 | 23 14 | 0 25 | 18 22 | 1 38 | 14 50 | 17 21 | 23 21 | 23 24 | 24 29 | 3 46 | 4 46 |
| T 13 | 20 39 | 23 57 | 2 56 | 21 21 | 1 58 | 17 29 | 1 32 | 7 17 | 3 31 | 20 11 | 0 44 | 22 1 | 1 8 | 23 13 | 0 25 | 18 22 | 1 39 | 14 51 | 17 21 | 23 21 | 23 24 | 24 28 | 3 45 | 4 46 |
| F 14 | 20 26 | 24 46 | 1 58 | 20 52 | 1 55 | 17 6 | 1 32 | 7 18 | 3 33 | 20 12 | 0 44 | 22 1 | 1 8 | 23 13 | 0 25 | 18 22 | 1 39 | 14 51 | 17 22 | 23 21 | 23 24 | 24 28 | 3 44 | 4 46 |
| S 15 | 20 13 | 24 28 | 0 55 | 20 22 | 1 52 | 16 43 | 1 32 | 7 19 | 3 35 | 20 14 | 0 44 | 22 2 | 1 8 | 23 13 | 0 25 | 18 23 | 1 39 | 14 52 | 17 22 | 23 21 | 23 24 | 24 27 | 3 43 | 4 45 |
| S 16 | 20 0 | 23 4 | 0s10 | 19 50 | 1 48 | 16 19 | 1 32 | 7 20 | 3 36 | 20 16 | 0 44 | 22 2 | 1 8 | 23 12 | 0 25 | 18 23 | 1 39 | 14 53 | 17 23 | 23 21 | 23 24 | 24 26 | 3 42 | 4 45 |
| M17 | 19 46 | 20 38 | 1 15 | 19 16 | 1 43 | 15 54 | 1 32 | 7 22 | 3 38 | 20 18 | 0 44 | 22 3 | 1 8 | 23 12 | 0 25 | 18 23 | 1 39 | 14 53 | 17 23 | 23 21 | 23 24 | 24 26 | 3 41 | 4 45 |
| T 18 | 19 33 | 17 17 | 2 17 | 18 41 | 1 38 | 15 30 | 1 31 | 7 23 | 3 40 | 20 20 | 0 44 | 22 3 | 1 8 | 23 11 | 0 25 | 18 23 | 1 39 | 14 54 | 17 24 | 23 21 | 23 25 | 24 25 | 3 40 | 4 45 |
| W19 | 19 18 | 13 10 | 3 14 | 18 4 | 1 32 | 15 5 | 1 31 | 7 26 | 3 41 | 20 22 | 0 44 | 22 4 | 1 8 | 23 11 | 0 25 | 18 24 | 1 39 | 14 55 | 17 24 | 23 21 | 23 25 | 24 24 | 3 39 | 4 45 |
| T 20 | 19 4 | 8 27 | 4 2 | 17 26 | 1 26 | 14 39 | 1 31 | 7 28 | 3 43 | 20 24 | 0 44 | 22 4 | 1 8 | 23 11 | 0 25 | 18 24 | 1 39 | 14 56 | 17 25 | 23 21 | 23 25 | 24 23 | 3 38 | 4 44 |
| F 21 | 18 49 | 3 20 | 4 39 | 16 47 | 1 19 | 14 13 | 1 30 | 7 31 | 3 44 | 20 25 | 0 44 | 22 4 | 1 8 | 23 10 | 0 25 | 18 24 | 1 39 | 14 56 | 17 25 | 23 22 | 23 25 | 24 23 | 3 37 | 4 44 |
| S 22 | 18 33 | 1s59 | 5 4 | 16 6 | 1 11 | 13 47 | 1 29 | 7 34 | 3 46 | 20 27 | 0 44 | 22 5 | 1 8 | 23 10 | 0 25 | 18 24 | 1 39 | 14 57 | 17 26 | 23 22 | 23 25 | 24 22 | 3 36 | 4 44 |
| S 23 | 18 18 | 7 19 | 5 13 | 15 24 | 1 2 | 13 20 | 1 29 | 7 37 | 3 47 | 20 29 | 0 44 | 22 5 | 1 8 | 23 10 | 0 25 | 18 24 | 1 39 | 14 58 | 17 26 | 23 22 | 23 25 | 24 21 | 3 35 | 4 44 |
| M24 | 18 2 | 12 25 | 5 6 | 14 41 | 0 53 | 12 53 | 1 28 | 7 40 | 3 49 | 20 30 | 0 44 | 22 6 | 1 8 | 23 9 | 0 25 | 18 25 | 1 39 | 14 59 | 17 27 | 23 22 | 23 26 | 24 21 | 3 34 | 4 44 |
| T 25 | 17 45 | 17 1 | 4 42 | 13 57 | 0 43 | 12 25 | 1 27 | 7 44 | 3 50 | 20 32 | 0 44 | 22 6 | 1 8 | 23 9 | 0 25 | 18 25 | 1 39 | 14 59 | 17 27 | 23 22 | 23 26 | 24 20 | 3 33 | 4 44 |
| W26 | 17 29 | 20 49 | 4 1 | 13 13 | 0 32 | 11 58 | 1 26 | 7 48 | 3 52 | 20 33 | 0 44 | 22 6 | 1 8 | 23 9 | 0 25 | 18 25 | 1 39 | 15 0 | 17 28 | 23 22 | 23 26 | 24 19 | 3 32 | 4 43 |
| T 27 | 17 12 | 23 29 | 3 5 | 12 29 | 0 20 | 11 30 | 1 25 | 7 53 | 3 53 | 20 35 | 0 44 | 22 7 | 1 8 | 23 8 | 0 25 | 18 25 | 1 39 | 15 1 | 17 28 | 23 22 | 23 26 | 24 18 | 3 31 | 4 43 |
| F 28 | 16 55 | 24 42 | 1 57 | 11 44 | 0 8 | 11 1 | 1 24 | 7 57 | 3 54 | 20 37 | 0 44 | 22 7 | 1 8 | 23 8 | 0 25 | 18 25 | 1 39 | 15 2 | 17 29 | 23 22 | 23 26 | 24 18 | 3 30 | 4 43 |
| S 29 | 16 37 | 24 14 | 0 40 | 11 0 | 0n 5 | 10 33 | 1 23 | 8 2 | 3 56 | 20 38 | 0 44 | 22 7 | 1 8 | 23 8 | 0 25 | 18 25 | 1 39 | 15 3 | 17 29 | 23 22 | 23 26 | 24 17 | 3 29 | 4 43 |
| S 30 | 16 19 | 22 6 | 0n40 | 10 17 | 0 19 | 10 4 | 1 22 | 8 7 | 3 57 | 20 39 | 0 44 | 22 8 | 1 8 | 23 7 | 0 25 | 18 26 | 1 39 | 15 3 | 17 30 | 23 22 | 23 26 | 24 16 | 3 28 | 4 43 |
| M31 | 16s 1 | 18s28 | 1n58 | 9s34 | 0n33 | 9s35 | 1s21 | 8n13 | 3n58 | 20s41 | 0n44 | 22s 8 | 1n 8 | 23s 7 | 0s25 | 18s26 | 1n39 | 15n 4 | 17n30 | 23s22 | 23s27 | 24n15 | 3s26 | 4n43 |

Julian Day Number = 2081559.5, Delta T = 25m28s
Ecliptic obliquity = 23°34'14, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'18, Lahiri = 9°44'19 Julian Calendar 1 Jan. 987 == Greg. Calendar 6 Jan. 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## FEBRUARY 987 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 3 21 | 17♒22'15 | 14♒ 9 | 5♓18 | 10♓ 0 | 18°R19 | 6♐ 0 | 21♐10 | 15♑17 | 29♏ 0 | 2°R21 | 7°R10 | 5♑45 | 28♊ 7 | 10♓13 | T 1 |
| W 2 | 9 7 18 | 18°22'41 | 28°43 | 6°26 | 11°14 | 18♍ 6 | 6° 9 | 21°15 | 15°20 | 29° 1 | 2♎20 | 7♑ 4 | 5°41 | 28°13 | 10°16 | W 2 |
| T 3 | 9 11 14 | 19°23'05 | 13♓ 0 | 7°28 | 12°29 | 17°53 | 6°16 | 21°20 | 15°23 | 29° 2 | 2°18 | 6°57 | 5°38 | 28°20 | 10°20 | T 3 |
| F 4 | 9 15 11 | 20°23'27 | 26°54 | 8°22 | 13°43 | 17°39 | 6°24 | 21°25 | 15°26 | 29° 3 | 2°17 | 6°50 | 5°35 | 28°27 | 10°23 | F 4 |
| S 5 | 9 19 7 | 21°23'47 | 10♈22 | 9° 7 | 14°57 | 17°24 | 6°32 | 21°29 | 15°29 | 29° 3 | 2°16 | 6°43 | 5°32 | 28°33 | 10°27 | S 5 |
| S 6 | 9 23 4 | 22°24'06 | 23°24 | 9°44 | 16°12 | 17° 9 | 6°39 | 21°34 | 15°32 | 29° 4 | 2°15 | 6°38 | 5°29 | 28°40 | 10°30 | S 6 |
| M 7 | 9 27 0 | 23°24'22 | 6♉ 3 | 10°12 | 17°26 | 16°52 | 6°47 | 21°38 | 15°35 | 29° 5 | 2°14 | 6°34 | 5°26 | 28°47 | 10°33 | M 7 |
| T 8 | 9 30 57 | 24°24'36 | 18°22 | 10°30 | 18°40 | 16°36 | 6°54 | 21°43 | 15°38 | 29° 5 | 2°13 | 6°32 | 5°22 | 28°53 | 10°37 | T 8 |
| W 9 | 9 34 54 | 25°24'48 | 0♊24 | 10°R39 | 19°54 | 16°18 | 7° 1 | 21°47 | 15°41 | 29° 6 | 2°11 | 6°D32 | 5°19 | 29° 0 | 10°41 | W 9 |
| T 10 | 9 38 50 | 26°24'58 | 12°17 | 10°38 | 21° 8 | 16° 0 | 7° 8 | 21°52 | 15°44 | 29° 6 | 2°10 | 6°33 | 5°16 | 29° 7 | 10°44 | T 10 |
| F 11 | 9 42 47 | 27°25'06 | 24° 4 | 10°28 | 22°22 | 15°41 | 7°15 | 21°56 | 15°47 | 29° 7 | 2° 9 | 6°35 | 5°13 | 29°13 | 10°48 | F 11 |
| S 12 | 9 46 43 | 28°25'12 | 5♋52 | 10° 9 | 23°36 | 15°22 | 7°21 | 22° 0 | 15°50 | 29° 7 | 2° 8 | 6°R35 | 5°10 | 29°20 | 10°51 | S 12 |
| S 13 | 9 50 40 | 29°25'16 | 17°44 | 9°41 | 24°50 | 15° 2 | 7°28 | 22° 4 | 15°53 | 29° 7 | 2° 6 | 6°35 | 5° 6 | 29°26 | 10°55 | S 13 |
| M14 | 9 54 36 | 0♓25'18 | 29°45 | 9° 5 | 26° 4 | 14°42 | 7°34 | 22° 8 | 15°56 | 29° 8 | 2° 5 | 6°32 | 5° 3 | 29°33 | 10°58 | M14 |
| T 15 | 9 58 33 | 1°25'17 | 11♌58 | 8°23 | 27°18 | 14°21 | 7°40 | 22°12 | 15°58 | 29° 8 | 2° 4 | 6°26 | 5° 0 | 29°40 | 11° 2 | T 15 |
| W16 | 10 2 29 | 2°25'14 | 24°24 | 7°34 | 28°31 | 14° 0 | 7°46 | 22°16 | 16° 1 | 29° 8 | 2° 2 | 6°19 | 4°57 | 29°46 | 11° 5 | W16 |
| T 17 | 10 6 26 | 3°25'10 | 7♍ 5 | 6°41 | 29°45 | 13°38 | 7°52 | 22°19 | 16° 4 | 29° 9 | 2° 1 | 6° 9 | 4°54 | 29°53 | 11° 9 | T 17 |
| F 18 | 10 10 23 | 4°25'03 | 20° 0 | 5°45 | 0♈59 | 13°16 | 7°58 | 22°23 | 16° 6 | 29° 9 | 1°59 | 5°59 | 4°51 | 29°59 | 11°13 | F 18 |
| S 19 | 10 14 19 | 5°24'55 | 3♎ 9 | 4°47 | 2°12 | 12°54 | 8° 3 | 22°27 | 16° 9 | 29° 9 | 1°58 | 5°48 | 4°47 | 0♋ 6 | 11°16 | S 19 |
| S 20 | 10 18 16 | 6°24'44 | 16°31 | 3°48 | 3°26 | 12°31 | 8° 9 | 22°30 | 16°12 | 29° 9 | 1°56 | 5°39 | 4°44 | 0°13 | 11°20 | S 20 |
| M21 | 10 22 12 | 7°24'32 | 0♏ 3 | 2°50 | 4°39 | 12° 8 | 8°14 | 22°33 | 16°14 | 29° 9 | 1°55 | 5°31 | 4°41 | 0°20 | 11°23 | M21 |
| T 22 | 10 26 9 | 8°24'18 | 13°46 | 1°53 | 5°53 | 11°45 | 8°19 | 22°37 | 16°17 | 29°10 | 1°53 | 5°26 | 4°38 | 0°26 | 11°27 | T 22 |
| W23 | 10 30 5 | 9°24'02 | 27°37 | 1° 0 | 7° 6 | 11°22 | 8°24 | 22°40 | 16°19 | 29°10 | 1°52 | 5°24 | 4°35 | 0°33 | 11°31 | W23 |
| T 24 | 10 34 2 | 10°23'45 | 11♐36 | 0°10 | 8°20 | 10°59 | 8°29 | 22°43 | 16°21 | 29°R10 | 1°50 | 5°D23 | 4°32 | 0°40 | 11°34 | T 24 |
| F 25 | 10 37 58 | 11°23'26 | 25°43 | 29♒25 | 9°33 | 10°35 | 8°33 | 22°46 | 16°24 | 29°10 | 1°49 | 5°23 | 4°28 | 0°46 | 11°38 | F 25 |
| S 26 | 10 41 55 | 12°23'05 | 9♑56 | 28°46 | 10°46 | 10°12 | 8°38 | 22°49 | 16°26 | 29°10 | 1°47 | 5°R24 | 4°25 | 0°53 | 11°42 | S 26 |
| S 27 | 10 45 52 | 13°22'43 | 24°16 | 28°12 | 12° 0 | 9°48 | 8°42 | 22°52 | 16°29 | 29° 9 | 1°46 | 5°22 | 4°22 | 0°59 | 11°45 | S 27 |
| M28 | 10 49 48 | 14♓22'19 | 8♒37 | 27♒43 | 13♈13 | 9♍25 | 8♐46 | 22♐55 | 16♑31 | 29♏ 9 | 1♎44 | 5♑18 | 4♑19 | 1♋ 6 | 11♓49 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s43 | 13s41 | 3n 7 | 8s53 | 0n47 | 9s 5 | 1s20 | 8n19 | 3n59 | 20s42 | 0n44 | 22s 8 | 1n 8 | 23s 7 | 0s25 | 18s26 | 1n39 | 15n 5 | 17n31 | 23s23 | 23s27 | 24n15 | 3s25 | 4n43 |
| W 2 | 15 24 | 8 11 | 4 3 | 8 14 | 1 2 | 8 36 | 1 18 | 8 25 | 4 0 | 20 44 | 0 44 | 22 9 | 1 8 | 23 6 | 0 25 | 18 26 | 1 39 | 15 6 | 17 31 | 23 23 | 23 27 | 24 14 | 3 24 | 4 42 |
| T 3 | 15 5 | 2 22 | 4 43 | 7 37 | 1 17 | 8 6 | 1 17 | 8 31 | 4 1 | 20 45 | 0 44 | 22 9 | 1 8 | 23 6 | 0 25 | 18 26 | 1 40 | 15 7 | 17 32 | 23 23 | 23 27 | 24 13 | 3 23 | 4 42 |
| F 4 | 14 46 | 3n25 | 5 5 | 7 3 | 1 33 | 7 36 | 1 15 | 8 37 | 4 2 | 20 46 | 0 44 | 22 9 | 1 8 | 23 6 | 0 25 | 18 26 | 1 40 | 15 7 | 17 32 | 23 24 | 23 27 | 24 12 | 3 22 | 4 42 |
| S 5 | 14 27 | 8 51 | 5 9 | 6 31 | 1 48 | 7 6 | 1 14 | 8 44 | 4 3 | 20 48 | 0 44 | 22 9 | 1 8 | 23 5 | 0 25 | 18 26 | 1 40 | 15 8 | 17 32 | 23 24 | 23 27 | 24 11 | 3 21 | 4 42 |
| S 6 | 14 7 | 13 43 | 4 56 | 6 4 | 2 3 | 6 35 | 1 12 | 8 51 | 4 4 | 20 49 | 0 44 | 22 10 | 1 8 | 23 5 | 0 25 | 18 26 | 1 40 | 15 9 | 17 33 | 23 24 | 23 27 | 24 11 | 3 19 | 4 42 |
| M 7 | 13 47 | 17 51 | 4 30 | 5 39 | 2 18 | 6 5 | 1 11 | 8 58 | 4 5 | 20 50 | 0 44 | 22 10 | 1 8 | 23 5 | 0 25 | 18 26 | 1 40 | 15 10 | 17 33 | 23 24 | 23 28 | 24 10 | 3 18 | 4 42 |
| T 8 | 13 27 | 21 5 | 3 51 | 5 19 | 2 32 | 5 34 | 1 9 | 9 5 | 4 6 | 20 51 | 0 44 | 22 10 | 1 9 | 23 4 | 0 25 | 18 26 | 1 40 | 15 11 | 17 34 | 23 24 | 23 28 | 24 9 | 3 17 | 4 42 |
| W 9 | 13 7 | 23 20 | 3 3 | 5 3 | 2 46 | 5 3 | 1 7 | 9 13 | 4 6 | 20 52 | 0 44 | 22 10 | 1 9 | 23 4 | 0 25 | 18 27 | 1 40 | 15 12 | 17 34 | 23 24 | 23 28 | 24 8 | 3 16 | 4 42 |
| T 10 | 12 47 | 24 30 | 2 8 | 4 52 | 2 59 | 4 32 | 1 5 | 9 20 | 4 7 | 20 53 | 0 44 | 22 11 | 1 9 | 23 4 | 0 26 | 18 27 | 1 40 | 15 12 | 17 34 | 23 24 | 23 28 | 24 7 | 3 14 | 4 41 |
| F 11 | 12 26 | 24 33 | 1 7 | 4 45 | 3 10 | 4 1 | 1 3 | 9 28 | 4 7 | 20 55 | 0 44 | 22 11 | 1 9 | 23 3 | 0 26 | 18 27 | 1 40 | 15 13 | 17 35 | 23 24 | 23 28 | 24 6 | 3 13 | 4 41 |
| S 12 | 12 5 | 23 30 | 0 4 | 4 43 | 3 20 | 3 30 | 1 1 | 9 36 | 4 8 | 20 56 | 0 44 | 22 11 | 1 9 | 23 3 | 0 26 | 18 27 | 1 40 | 15 14 | 17 35 | 23 24 | 23 28 | 24 6 | 3 12 | 4 41 |
| S 13 | 11 44 | 21 24 | 1s 0 | 4 46 | 3 29 | 2 58 | 0 59 | 9 44 | 4 8 | 20 57 | 0 44 | 22 11 | 1 9 | 23 3 | 0 26 | 18 27 | 1 40 | 15 15 | 17 35 | 23 24 | 23 28 | 24 5 | 3 11 | 4 41 |
| M14 | 11 23 | 18 20 | 2 1 | 4 53 | 3 36 | 2 27 | 0 57 | 9 52 | 4 8 | 20 58 | 0 44 | 22 12 | 1 9 | 23 2 | 0 26 | 18 27 | 1 40 | 15 16 | 17 36 | 23 25 | 23 28 | 24 4 | 3 9 | 4 41 |
| T 15 | 11 2 | 14 27 | 2 58 | 5 4 | 3 41 | 1 55 | 0 55 | 10 0 | 4 9 | 20 59 | 0 45 | 22 12 | 1 9 | 23 2 | 0 26 | 18 27 | 1 40 | 15 17 | 17 36 | 23 25 | 23 29 | 24 3 | 3 8 | 4 41 |
| W16 | 10 40 | 9 53 | 3 48 | 5 19 | 3 44 | 1 24 | 0 53 | 10 9 | 4 9 | 21 0 | 0 45 | 22 12 | 1 9 | 23 2 | 0 26 | 18 27 | 1 40 | 15 17 | 17 36 | 23 25 | 23 29 | 24 2 | 3 7 | 4 41 |
| T 17 | 10 18 | 4 50 | 4 27 | 5 38 | 3 45 | 0 52 | 0 51 | 10 17 | 4 9 | 21 0 | 0 45 | 22 12 | 1 9 | 23 1 | 0 26 | 18 27 | 1 40 | 15 18 | 17 37 | 23 26 | 23 29 | 24 1 | 3 6 | 4 41 |
| F 18 | 9 57 | 0s30 | 4 53 | 5 59 | 3 43 | 0 21 | 0 48 | 10 26 | 4 8 | 21 1 | 0 45 | 22 12 | 1 9 | 23 1 | 0 26 | 18 27 | 1 40 | 15 19 | 17 37 | 23 26 | 23 29 | 24 0 | 3 4 | 4 41 |
| S 19 | 9 35 | 5 54 | 5 4 | 6 24 | 3 40 | 0n11 | 0 46 | 10 34 | 4 8 | 21 2 | 0 45 | 22 12 | 1 9 | 23 1 | 0 26 | 18 27 | 1 40 | 15 20 | 17 37 | 23 27 | 23 29 | 24 0 | 3 3 | 4 41 |
| S 20 | 9 12 | 11 7 | 4 59 | 6 50 | 3 35 | 0 42 | 0 43 | 10 42 | 4 8 | 21 3 | 0 45 | 22 13 | 1 9 | 23 1 | 0 26 | 18 27 | 1 40 | 15 21 | 17 38 | 23 27 | 23 29 | 23 59 | 3 2 | 4 41 |
| M21 | 8 50 | 15 52 | 4 37 | 7 17 | 3 28 | 1 14 | 0 41 | 10 51 | 4 7 | 21 4 | 0 45 | 22 13 | 1 9 | 23 0 | 0 26 | 18 27 | 1 40 | 15 22 | 17 38 | 23 27 | 23 29 | 23 58 | 3 0 | 4 41 |
| T 22 | 8 28 | 19 51 | 3 59 | 7 45 | 3 19 | 1 46 | 0 39 | 10 59 | 4 7 | 21 5 | 0 45 | 22 13 | 1 9 | 23 0 | 0 26 | 18 27 | 1 40 | 15 23 | 17 38 | 23 28 | 23 29 | 23 57 | 2 59 | 4 40 |
| W23 | 8 5 | 22 46 | 3 7 | 8 14 | 3 9 | 2 17 | 0 36 | 11 8 | 4 6 | 21 5 | 0 45 | 22 13 | 1 9 | 23 0 | 0 26 | 18 27 | 1 41 | 15 23 | 17 38 | 23 28 | 23 29 | 23 56 | 2 58 | 4 40 |
| T 24 | 7 43 | 24 20 | 2 3 | 8 42 | 2 58 | 2 49 | 0 33 | 11 16 | 4 5 | 21 6 | 0 45 | 22 13 | 1 9 | 22 59 | 0 26 | 18 27 | 1 41 | 15 24 | 17 39 | 23 28 | 23 30 | 23 55 | 2 56 | 4 40 |
| F 25 | 7 20 | 24 21 | 0 51 | 9 9 | 2 45 | 3 20 | 0 31 | 11 24 | 4 5 | 21 7 | 0 45 | 22 13 | 1 9 | 22 59 | 0 26 | 18 27 | 1 41 | 15 25 | 17 39 | 23 28 | 23 30 | 23 54 | 2 55 | 4 40 |
| S 26 | 6 57 | 22 48 | 0n24 | 9 36 | 2 32 | 3 51 | 0 28 | 11 32 | 4 4 | 21 7 | 0 45 | 22 13 | 1 9 | 22 59 | 0 26 | 18 27 | 1 41 | 15 26 | 17 39 | 23 28 | 23 30 | 23 53 | 2 54 | 4 40 |
| S 27 | 6 34 | 19 46 | 1 39 | 10 1 | 2 18 | 4 23 | 0 25 | 11 41 | 4 3 | 21 8 | 0 45 | 22 14 | 1 9 | 22 59 | 0 26 | 18 26 | 1 41 | 15 27 | 17 39 | 23 28 | 23 30 | 23 52 | 2 52 | 4 40 |
| M28 | 6s11 | 15s31 | 2n47 | 10s24 | 2n 3 | 4n54 | 0s23 | 11n48 | 4n 2 | 21s 9 | 0n45 | 22s14 | 1n 9 | 22s58 | 0s26 | 18s26 | 1n41 | 15n27 | 17n40 | 23s28 | 23s30 | 23n51 | 2s51 | 4n40 |

Julian Day Number = 2081590.5, Delta T = 25m28s
Ecliptic obliquity = 23°34'15, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'23, Lahiri = 9°44'23 Julian Calendar 1 Feb. 987 == Greg. Calendar 6 Feb. 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## MARCH 987 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 53 45 | 15♓21'52 | 22♒56 | 27°R22 | 14♈26 | 9°R 1 | 8♐50 | 22♐57 | 16♑33 | 29°R 9 | 1°R43 | 5°R12 | 4♑16 | 1♋13 | 11♓52 | T 1 |
| W 2 | 10 57 41 | 16°21'24 | 7♓ 9 | 27♒ 6 | 15°39 | 8♍38 | 8°53 | 23° 0 | 16°35 | 29♏ 9 | 1♎41 | 5♑ 3 | 4°12 | 1°19 | 11°56 | W 2 |
| T 3 | 11 1 38 | 17°20'53 | 21° 9 | 26°56 | 16°52 | 8°15 | 8°57 | 23° 3 | 16°37 | 29° 9 | 1°39 | 4°51 | 4° 9 | 1°26 | 12° 0 | T 3 |
| F 4 | 11 5 34 | 18°20'21 | 4♈52 | 26°D52 | 18° 5 | 7°52 | 9° 0 | 23° 5 | 16°40 | 29° 9 | 1°38 | 4°39 | 4° 6 | 1°33 | 12° 3 | F 4 |
| S 5 | 11 9 31 | 19°19'46 | 18°15 | 26°54 | 19°18 | 7°30 | 9° 4 | 23° 7 | 16°42 | 29° 8 | 1°36 | 4°28 | 4° 3 | 1°39 | 12° 7 | S 5 |
| S 6 | 11 13 27 | 20°19'09 | 1♉15 | 27° 2 | 20°31 | 7° 7 | 9° 7 | 23°10 | 16°44 | 29° 8 | 1°35 | 4°18 | 4° 0 | 1°46 | 12°11 | S 6 |
| M 7 | 11 17 24 | 21°18'30 | 13°54 | 27°15 | 21°44 | 6°46 | 9° 9 | 23°12 | 16°46 | 29° 8 | 1°33 | 4°10 | 3°57 | 1°53 | 12°14 | M 7 |
| T 8 | 11 21 20 | 22°17'49 | 26°13 | 27°33 | 22°56 | 6°24 | 9°12 | 23°14 | 16°48 | 29° 7 | 1°31 | 4° 5 | 3°53 | 1°59 | 12°18 | T 8 |
| W 9 | 11 25 17 | 23°17'05 | 8♊17 | 27°57 | 24° 9 | 6° 3 | 9°14 | 23°16 | 16°50 | 29° 7 | 1°30 | 4° 2 | 3°50 | 2° 6 | 12°21 | W 9 |
| T 10 | 11 29 14 | 24°16'19 | 20°11 | 28°24 | 25°22 | 5°43 | 9°17 | 23°17 | 16°51 | 29° 7 | 1°28 | 4°D 1 | 3°47 | 2°13 | 12°25 | T 10 |
| F 11 | 11 33 10 | 25°15'31 | 1♋59 | 28°57 | 26°34 | 5°23 | 9°19 | 23°19 | 16°53 | 29° 6 | 1°26 | 4°R 1 | 3°44 | 2°19 | 12°28 | F 11 |
| S 12 | 11 37 7 | 26°14'40 | 13°48 | 29°33 | 27°47 | 5° 3 | 9°21 | 23°21 | 16°55 | 29° 6 | 1°25 | 4° 1 | 3°41 | 2°26 | 12°32 | S 12 |
| S 13 | 11 41 3 | 27°13'47 | 25°42 | 0♓13 | 28°59 | 4°45 | 9°22 | 23°22 | 16°57 | 29° 5 | 1°23 | 4° 0 | 3°37 | 2°33 | 12°35 | S 13 |
| M14 | 11 45 0 | 28°12'51 | 7♌47 | 0°57 | 0♉11 | 4°26 | 9°24 | 23°24 | 16°58 | 29° 5 | 1°21 | 3°56 | 3°34 | 2°39 | 12°39 | M14 |
| T 15 | 11 48 56 | 29°11'53 | 20° 7 | 1°45 | 1°24 | 4° 9 | 9°25 | 23°25 | 17° 0 | 29° 4 | 1°20 | 3°49 | 3°31 | 2°46 | 12°43 | T 15 |
| W16 | 11 52 53 | 0♈10'53 | 2♍44 | 2°36 | 2°36 | 3°52 | 9°26 | 23°27 | 17° 2 | 29° 3 | 1°18 | 3°40 | 3°28 | 2°52 | 12°46 | W16 |
| T 17 | 11 56 49 | 1° 9'51 | 15°41 | 3°30 | 3°48 | 3°35 | 9°27 | 23°28 | 17° 3 | 29° 3 | 1°16 | 3°29 | 3°25 | 2°59 | 12°49 | T 17 |
| F 18 | 12 0 46 | 2° 8'46 | 28°56 | 4°27 | 5° 0 | 3°20 | 9°28 | 23°29 | 17° 5 | 29° 2 | 1°15 | 3°16 | 3°22 | 3° 6 | 12°53 | F 18 |
| S 19 | 12 4 43 | 3° 7'40 | 12♎29 | 5°26 | 6°12 | 3° 5 | 9°29 | 23°30 | 17° 6 | 29° 1 | 1°13 | 3° 4 | 3°18 | 3°12 | 12°56 | S 19 |
| S 20 | 12 8 39 | 4° 6'31 | 26°16 | 6°29 | 7°24 | 2°51 | 9°29 | 23°31 | 17° 8 | 29° 1 | 1°11 | 2°52 | 3°15 | 3°19 | 13° 0 | S 20 |
| M21 | 12 12 36 | 5° 5'21 | 10♏14 | 7°34 | 8°36 | 2°37 | 9°30 | 23°31 | 17° 9 | 29° 0 | 1° 9 | 2°43 | 3°12 | 3°26 | 13° 3 | M21 |
| T 22 | 12 16 32 | 6° 4'08 | 24°18 | 8°42 | 9°48 | 2°24 | 9°R30 | 23°32 | 17°10 | 28°59 | 1° 8 | 2°36 | 3° 9 | 3°32 | 13° 7 | T 22 |
| W23 | 12 20 29 | 7° 2'54 | 8♐25 | 9°52 | 10°59 | 2°12 | 9°29 | 23°33 | 17°11 | 28°58 | 1° 6 | 2°33 | 3° 6 | 3°39 | 13°10 | W23 |
| T 24 | 12 24 25 | 8° 1'39 | 22°33 | 11° 4 | 12°11 | 2° 1 | 9°29 | 23°33 | 17°13 | 28°57 | 1° 4 | 2°31 | 3° 3 | 3°46 | 13°13 | T 24 |
| F 25 | 12 28 22 | 9° 0'21 | 6♑41 | 12°19 | 13°22 | 1°51 | 9°29 | 23°34 | 17°14 | 28°56 | 1° 3 | 2°31 | 2°59 | 3°52 | 13°17 | F 25 |
| S 26 | 12 32 18 | 9°59'02 | 20°46 | 13°36 | 14°34 | 1°41 | 9°28 | 23°34 | 17°15 | 28°56 | 1° 1 | 2°31 | 2°56 | 3°59 | 13°20 | S 26 |
| S 27 | 12 36 15 | 10°57'41 | 4♒49 | 14°54 | 15°45 | 1°32 | 9°27 | 23°34 | 17°16 | 28°55 | 0°59 | 2°29 | 2°53 | 4° 6 | 13°23 | S 27 |
| M28 | 12 40 12 | 11°56'19 | 18°49 | 16°15 | 16°57 | 1°24 | 9°26 | 23°R34 | 17°17 | 28°54 | 0°58 | 2°25 | 2°50 | 4°12 | 13°27 | M28 |
| T 29 | 12 44 8 | 12°54'54 | 2♓42 | 17°38 | 18° 8 | 1°17 | 9°25 | 23°34 | 17°18 | 28°53 | 0°56 | 2°19 | 2°47 | 4°19 | 13°30 | T 29 |
| W30 | 12 48 5 | 13°53'28 | 16°29 | 19° 3 | 19°19 | 1°10 | 9°23 | 23°34 | 17°19 | 28°52 | 0°55 | 2° 9 | 2°43 | 4°25 | 13°33 | W30 |
| T 31 | 12 52 1 | 14♈52'00 | 0♈ 4 | 20♓29 | 20♉30 | 1♍ 5 | 9♐22 | 23♐34 | 17♑20 | 28♏51 | 0♎53 | 1♑58 | 2♑40 | 4♋32 | 13♓36 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s48 | 10s25 | 3n44 | 10s45 | 1n49 | 5n25 | 0s20 | 11n56 | 4n 0 | 21s 9 | 0n45 | 22s14 | 1n 9 | 22s58 | 0s26 | 18s26 | 1n41 | 15n28 | 17n40 | 23s28 | 23s30 | 23n50 | 2s50 | 4n40 |
| W 2 | 5 25 | 4 48 | 4 27 | 11 5 | 1 34 | 5 56 | 0 17 | 12 4 | 3 59 | 21 10 | 0 45 | 22 14 | 1 9 | 22 58 | 0 26 | 18 26 | 1 41 | 15 29 | 17 40 | 23 28 | 23 30 | 23 49 | 2 48 | 4 40 |
| T 3 | 5 1 | 0n58 | 4 53 | 11 22 | 1 19 | 6 27 | 0 14 | 12 11 | 3 58 | 21 10 | 0 45 | 22 14 | 1 9 | 22 58 | 0 26 | 18 26 | 1 41 | 15 30 | 17 40 | 23 29 | 23 30 | 23 48 | 2 47 | 4 40 |
| F 4 | 4 38 | 6 33 | 5 2 | 11 37 | 1 4 | 6 57 | 0 11 | 12 18 | 3 56 | 21 11 | 0 45 | 22 14 | 1 9 | 22 57 | 0 26 | 18 26 | 1 41 | 15 31 | 17 40 | 23 29 | 23 30 | 23 48 | 2 46 | 4 40 |
| S 5 | 4 15 | 11 42 | 4 53 | 11 50 | 0 49 | 7 28 | 0 8 | 12 26 | 3 54 | 21 11 | 0 45 | 22 14 | 1 9 | 22 57 | 0 26 | 18 26 | 1 41 | 15 31 | 17 41 | 23 30 | 23 31 | 23 47 | 2 44 | 4 40 |
| S 6 | 3 51 | 16 11 | 4 29 | 12 1 | 0 35 | 7 58 | 0 5 | 12 32 | 3 53 | 21 12 | 0 45 | 22 14 | 1 10 | 22 57 | 0 26 | 18 26 | 1 41 | 15 32 | 17 41 | 23 30 | 23 31 | 23 46 | 2 43 | 4 40 |
| M 7 | 3 28 | 19 48 | 3 53 | 12 10 | 0 21 | 8 29 | 0 2 | 12 39 | 3 51 | 21 12 | 0 45 | 22 14 | 1 10 | 22 57 | 0 26 | 18 26 | 1 41 | 15 33 | 17 41 | 23 30 | 23 31 | 23 45 | 2 42 | 4 40 |
| T 8 | 3 4 | 22 26 | 3 6 | 12 16 | 0 8 | 8 59 | 0n 1 | 12 45 | 3 49 | 21 12 | 0 45 | 22 14 | 1 10 | 22 56 | 0 26 | 18 26 | 1 41 | 15 34 | 17 41 | 23 30 | 23 31 | 23 44 | 2 40 | 4 40 |
| W 9 | 2 41 | 23 59 | 2 12 | 12 20 | 0s 5 | 9 28 | 0 4 | 12 51 | 3 47 | 21 13 | 0 45 | 22 14 | 1 10 | 22 56 | 0 26 | 18 25 | 1 41 | 15 35 | 17 41 | 23 31 | 23 31 | 23 43 | 2 39 | 4 40 |
| T 10 | 2 17 | 24 25 | 1 13 | 12 22 | 0 18 | 9 58 | 0 7 | 12 57 | 3 45 | 21 13 | 0 45 | 22 14 | 1 10 | 22 56 | 0 26 | 18 25 | 1 41 | 15 35 | 17 41 | 23 31 | 23 31 | 23 42 | 2 38 | 4 40 |
| F 11 | 1 54 | 23 44 | 0 11 | 12 22 | 0 30 | 10 27 | 0 10 | 13 3 | 3 43 | 21 13 | 0 45 | 22 14 | 1 10 | 22 56 | 0 26 | 18 25 | 1 41 | 15 36 | 17 41 | 23 31 | 23 31 | 23 41 | 2 36 | 4 40 |
| S 12 | 1 30 | 22 0 | 0s52 | 12 21 | 0 42 | 10 56 | 0 13 | 13 8 | 3 41 | 21 13 | 0 45 | 22 14 | 1 10 | 22 56 | 0 26 | 18 25 | 1 41 | 15 37 | 17 41 | 23 31 | 23 31 | 23 40 | 2 35 | 4 40 |
| S 13 | 1 6 | 19 17 | 1 52 | 12 17 | 0 53 | 11 25 | 0 16 | 13 13 | 3 39 | 21 14 | 0 46 | 22 14 | 1 10 | 22 55 | 0 26 | 18 25 | 1 41 | 15 37 | 17 41 | 23 31 | 23 31 | 23 39 | 2 33 | 4 40 |
| M14 | 0 43 | 15 42 | 2 49 | 12 11 | 1 3 | 11 54 | 0 19 | 13 17 | 3 37 | 21 14 | 0 46 | 22 15 | 1 10 | 22 55 | 0 26 | 18 25 | 1 41 | 15 38 | 17 41 | 23 31 | 23 31 | 23 38 | 2 32 | 4 40 |
| T 15 | 0 19 | 11 24 | 3 38 | 12 3 | 1 13 | 12 22 | 0 22 | 13 22 | 3 34 | 21 14 | 0 46 | 22 15 | 1 10 | 22 55 | 0 26 | 18 24 | 1 42 | 15 39 | 17 42 | 23 31 | 23 31 | 23 37 | 2 31 | 4 40 |
| W16 | 0n 4 | 6 32 | 4 18 | 11 53 | 1 22 | 12 50 | 0 25 | 13 26 | 3 32 | 21 14 | 0 46 | 22 15 | 1 10 | 22 55 | 0 26 | 18 24 | 1 42 | 15 40 | 17 42 | 23 31 | 23 32 | 23 36 | 2 29 | 4 40 |
| T 17 | 0 28 | 1 17 | 4 46 | 11 42 | 1 31 | 13 18 | 0 29 | 13 30 | 3 29 | 21 14 | 0 46 | 22 15 | 1 10 | 22 55 | 0 26 | 18 24 | 1 42 | 15 40 | 17 42 | 23 31 | 23 32 | 23 35 | 2 28 | 4 40 |
| F 18 | 0 51 | 4s 9 | 4 59 | 11 28 | 1 39 | 13 45 | 0 32 | 13 33 | 3 27 | 21 14 | 0 46 | 22 15 | 1 10 | 22 55 | 0 26 | 18 24 | 1 42 | 15 41 | 17 42 | 23 32 | 23 32 | 23 33 | 2 27 | 4 40 |
| S 19 | 1 15 | 9 30 | 4 56 | 11 14 | 1 47 | 14 13 | 0 35 | 13 36 | 3 25 | 21 14 | 0 46 | 22 15 | 1 10 | 22 54 | 0 26 | 18 24 | 1 42 | 15 42 | 17 42 | 23 32 | 23 32 | 23 32 | 2 25 | 4 40 |
| S 20 | 1 39 | 14 28 | 4 36 | 10 57 | 1 54 | 14 39 | 0 38 | 13 39 | 3 22 | 21 14 | 0 46 | 22 15 | 1 10 | 22 54 | 0 26 | 18 24 | 1 42 | 15 42 | 17 42 | 23 32 | 23 32 | 23 31 | 2 24 | 4 40 |
| M21 | 2 2 | 18 45 | 3 59 | 10 38 | 2 1 | 15 6 | 0 41 | 13 42 | 3 19 | 21 14 | 0 46 | 22 15 | 1 10 | 22 54 | 0 27 | 18 23 | 1 42 | 15 43 | 17 42 | 23 33 | 23 32 | 23 30 | 2 23 | 4 40 |
| T 22 | 2 25 | 21 58 | 3 7 | 10 19 | 2 7 | 15 32 | 0 44 | 13 44 | 3 17 | 21 14 | 0 46 | 22 15 | 1 10 | 22 54 | 0 27 | 18 23 | 1 42 | 15 44 | 17 42 | 23 33 | 23 32 | 23 29 | 2 21 | 4 40 |
| W23 | 2 49 | 23 52 | 2 4 | 9 57 | 2 12 | 15 57 | 0 47 | 13 46 | 3 14 | 21 14 | 0 46 | 22 15 | 1 10 | 22 54 | 0 27 | 18 23 | 1 42 | 15 44 | 17 42 | 23 33 | 23 32 | 23 28 | 2 20 | 4 41 |
| T 24 | 3 12 | 24 14 | 0 52 | 9 34 | 2 17 | 16 23 | 0 51 | 13 48 | 3 12 | 21 14 | 0 46 | 22 15 | 1 10 | 22 54 | 0 27 | 18 23 | 1 42 | 15 45 | 17 42 | 23 33 | 23 32 | 23 27 | 2 19 | 4 41 |
| F 25 | 3 35 | 23 2 | 0n22 | 9 9 | 2 21 | 16 48 | 0 54 | 13 49 | 3 9 | 21 14 | 0 46 | 22 15 | 1 10 | 22 54 | 0 27 | 18 22 | 1 42 | 15 45 | 17 41 | 23 33 | 23 32 | 23 26 | 2 17 | 4 41 |
| S 26 | 3 59 | 20 23 | 1 35 | 8 43 | 2 25 | 17 12 | 0 57 | 13 50 | 3 6 | 21 14 | 0 46 | 22 14 | 1 10 | 22 54 | 0 27 | 18 22 | 1 42 | 15 46 | 17 41 | 23 33 | 23 32 | 23 25 | 2 16 | 4 41 |
| S 27 | 4 22 | 16 33 | 2 42 | 8 15 | 2 28 | 17 36 | 1 0 | 13 51 | 3 4 | 21 14 | 0 46 | 22 14 | 1 10 | 22 53 | 0 27 | 18 22 | 1 42 | 15 47 | 17 41 | 23 33 | 23 32 | 23 24 | 2 15 | 4 41 |
| M28 | 4 45 | 11 48 | 3 39 | 7 46 | 2 31 | 18 0 | 1 3 | 13 51 | 3 1 | 21 14 | 0 46 | 22 14 | 1 10 | 22 53 | 0 27 | 18 22 | 1 42 | 15 47 | 17 41 | 23 33 | 23 32 | 23 23 | 2 13 | 4 41 |
| T 29 | 5 8 | 6 29 | 4 22 | 7 16 | 2 33 | 18 23 | 1 6 | 13 51 | 2 58 | 21 14 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 21 | 1 42 | 15 48 | 17 41 | 23 33 | 23 32 | 23 22 | 2 12 | 4 41 |
| W30 | 5 31 | 0 55 | 4 50 | 6 44 | 2 35 | 18 46 | 1 9 | 13 51 | 2 56 | 21 13 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 21 | 1 42 | 15 48 | 17 41 | 23 33 | 23 33 | 23 21 | 2 11 | 4 41 |
| T 31 | 5n53 | 4n37 | 5n 1 | 6s11 | 2s36 | 19n 8 | 1n12 | 13n51 | 2n53 | 21s13 | 0n46 | 22s14 | 1n11 | 22s53 | 0s27 | 18s21 | 1n42 | 15n49 | 17n41 | 23s33 | 23s33 | 23n19 | 2s 9 | 4n41 |

Julian Day Number = 2081618.5, Delta T = 25m27s
Ecliptic obliquity = 23°34'15, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'26, Lahiri = 9°44'27 Julian Calendar 1 March 987 == Greg. Calendar 6 March 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## APRIL 987 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 55 58 | 15♈50'30 | 13♈26 | 21♓58 | 21♉41 | 1°R 0 | 9°R20 | 23°R34 | 17♑21 | 28°R50 | 0°R51 | 1°R46 | 2♑37 | 4♋39 | 13♓40 | F 1 |
| S 2 | 12 59 54 | 16°48'58 | 26°31 | 23°28 | 22°52 | 0♏56 | 9♐18 | 23♐33 | 17°21 | 28♏49 | 0♎50 | 1♑34 | 2°34 | 4°45 | 13°43 | S 2 |
| S 3 | 13 3 51 | 17°47'25 | 9♉20 | 25° 0 | 24° 3 | 0°52 | 9°15 | 23°33 | 17°22 | 28°47 | 0°48 | 1°23 | 2°31 | 4°52 | 13°46 | S 3 |
| M 4 | 13 7 47 | 18°45'49 | 21°51 | 26°34 | 25°14 | 0°50 | 9°13 | 23°32 | 17°23 | 28°46 | 0°47 | 1°15 | 2°28 | 4°59 | 13°49 | M 4 |
| T 5 | 13 11 44 | 19°44'11 | 4♊ 6 | 28° 9 | 26°24 | 0°48 | 9°11 | 23°31 | 17°23 | 28°45 | 0°45 | 1° 9 | 2°24 | 5° 5 | 13°52 | T 5 |
| W 6 | 13 15 40 | 20°42'32 | 16° 9 | 29°47 | 27°35 | 0°47 | 9° 8 | 23°31 | 17°24 | 28°44 | 0°43 | 1° 6 | 2°21 | 5°12 | 13°55 | W 6 |
| T 7 | 13 19 37 | 21°40'50 | 28° 2 | 1♈26 | 28°45 | 0°D47 | 9° 5 | 23°30 | 17°25 | 28°43 | 0°42 | 1°D 5 | 2°18 | 5°19 | 13°58 | T 7 |
| F 8 | 13 23 34 | 22°39'06 | 9♋50 | 3° 7 | 29°56 | 0°47 | 9° 2 | 23°29 | 17°25 | 28°42 | 0°40 | 1° 5 | 2°15 | 5°25 | 14° 1 | F 8 |
| S 9 | 13 27 30 | 23°37'20 | 21°39 | 4°50 | 1♊ 6 | 0°48 | 8°58 | 23°28 | 17°25 | 28°40 | 0°39 | 1°R 5 | 2°12 | 5°32 | 14° 4 | S 9 |
| S 10 | 13 31 27 | 24°35'32 | 3♌34 | 6°34 | 2°16 | 0°50 | 8°55 | 23°27 | 17°26 | 28°39 | 0°37 | 1° 5 | 2° 9 | 5°39 | 14° 7 | S 10 |
| M11 | 13 35 23 | 25°33'42 | 15°40 | 8°20 | 3°26 | 0°53 | 8°51 | 23°25 | 17°26 | 28°38 | 0°36 | 1° 3 | 2° 5 | 5°45 | 14°10 | M11 |
| T 12 | 13 39 20 | 26°31'50 | 28° 2 | 10° 9 | 4°36 | 0°57 | 8°48 | 23°24 | 17°26 | 28°37 | 0°34 | 0°59 | 2° 2 | 5°52 | 14°13 | T 12 |
| W13 | 13 43 16 | 27°29'56 | 10♍45 | 11°58 | 5°46 | 1° 1 | 8°44 | 23°23 | 17°27 | 28°35 | 0°33 | 0°52 | 1°59 | 5°58 | 14°16 | W13 |
| T 14 | 13 47 13 | 28°27'59 | 23°50 | 13°50 | 6°55 | 1° 6 | 8°40 | 23°21 | 17°27 | 28°34 | 0°31 | 0°44 | 1°56 | 6° 5 | 14°18 | T 14 |
| F 15 | 13 51 9 | 29°26'01 | 7♎19 | 15°44 | 8° 5 | 1°11 | 8°35 | 23°19 | 17°27 | 28°33 | 0°30 | 0°34 | 1°53 | 6°12 | 14°21 | F 15 |
| S 16 | 13 55 6 | 0♉24'02 | 21°10 | 17°39 | 9°15 | 1°17 | 8°31 | 23°18 | 17°27 | 28°31 | 0°29 | 0°24 | 1°49 | 6°18 | 14°24 | S 16 |
| S 17 | 13 59 3 | 1°22'00 | 5♏20 | 19°36 | 10°24 | 1°24 | 8°26 | 23°16 | 17°R27 | 28°30 | 0°27 | 0°15 | 1°46 | 6°25 | 14°27 | S 17 |
| M18 | 14 2 59 | 2°19'57 | 19°42 | 21°35 | 11°33 | 1°32 | 8°22 | 23°14 | 17°27 | 28°28 | 0°26 | 0° 8 | 1°43 | 6°32 | 14°29 | M18 |
| T 19 | 14 6 56 | 3°17'53 | 4♐12 | 23°35 | 12°42 | 1°40 | 8°17 | 23°12 | 17°27 | 28°27 | 0°24 | 0° 3 | 1°40 | 6°38 | 14°32 | T 19 |
| W20 | 14 10 52 | 4°15'47 | 18°43 | 25°37 | 13°51 | 1°49 | 8°12 | 23°10 | 17°27 | 28°26 | 0°23 | 0° 0 | 1°37 | 6°45 | 14°35 | W20 |
| T 21 | 14 14 49 | 5°13'40 | 3♑11 | 27°41 | 15° 0 | 1°58 | 8° 6 | 23° 8 | 17°27 | 28°24 | 0°22 | 29°D59 | 1°34 | 6°52 | 14°37 | T 21 |
| F 22 | 14 18 45 | 6°11'31 | 17°31 | 29°46 | 16° 9 | 2° 8 | 8° 1 | 23° 6 | 17°26 | 28°23 | 0°21 | 0° 1 | 1°30 | 6°58 | 14°40 | F 22 |
| S 23 | 14 22 42 | 7° 9'21 | 1♒41 | 1♉53 | 17°18 | 2°19 | 7°56 | 23° 3 | 17°26 | 28°21 | 0°19 | 0°R 1 | 1°27 | 7° 5 | 14°42 | S 23 |
| S 24 | 14 26 38 | 8° 7'10 | 15°41 | 4° 1 | 18°26 | 2°30 | 7°50 | 23° 1 | 17°26 | 28°20 | 0°18 | 0° 1 | 1°24 | 7°12 | 14°45 | S 24 |
| M25 | 14 30 35 | 9° 4'58 | 29°28 | 6°10 | 19°35 | 2°41 | 7°44 | 22°58 | 17°25 | 28°18 | 0°17 | 29♐59 | 1°21 | 7°18 | 14°47 | M25 |
| T 26 | 14 34 32 | 10° 2'45 | 13♓ 4 | 8°20 | 20°43 | 2°54 | 7°38 | 22°56 | 17°25 | 28°17 | 0°16 | 29°56 | 1°18 | 7°25 | 14°50 | T 26 |
| W27 | 14 38 28 | 11° 0'30 | 26°28 | 10°30 | 21°51 | 3° 7 | 7°32 | 22°53 | 17°25 | 28°15 | 0°14 | 29°50 | 1°14 | 7°32 | 14°52 | W27 |
| T 28 | 14 42 25 | 11°58'14 | 9♈40 | 12°41 | 22°59 | 3°20 | 7°26 | 22°51 | 17°24 | 28°14 | 0°13 | 29°42 | 1°11 | 7°38 | 14°54 | T 28 |
| F 29 | 14 46 21 | 12°55'57 | 22°38 | 14°53 | 24° 7 | 3°34 | 7°20 | 22°48 | 17°24 | 28°12 | 0°12 | 29°34 | 1° 8 | 7°45 | 14°56 | F 29 |
| S 30 | 14 50 18 | 13♉53'39 | 5♉23 | 17♉ 4 | 25♊15 | 3♍48 | 7♐14 | 22♐45 | 17♑23 | 28♏11 | 0♎11 | 29♐26 | 1♑ 5 | 7♋51 | 14♓59 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n16 | 9n51 | 4n55 | 5s36 | 2s36 | 19n30 | 1n15 | 13n50 | 2n50 | 21s13 | 0n46 | 22s14 | 1n11 | 22s53 | 0s27 | 18s21 | 1n42 | 15n49 | 17n41 | 23s34 | 23s33 | 23n18 | 2s 8 | 4n41 |
| S 2 | 6 39 | 14 32 | 4 33 | 5 0 | 2 36 | 19 51 | 1 18 | 13 49 | 2 48 | 21 12 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 20 | 1 42 | 15 50 | 17 41 | 23 34 | 23 33 | 23 17 | 2 7 | 4 41 |
| S 3 | 7 1 | 18 27 | 3 58 | 4 23 | 2 36 | 20 12 | 1 21 | 13 48 | 2 45 | 21 12 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 20 | 1 42 | 15 50 | 17 40 | 23 34 | 23 33 | 23 16 | 2 5 | 4 41 |
| M 4 | 7 23 | 21 25 | 3 12 | 3 44 | 2 35 | 20 32 | 1 24 | 13 46 | 2 42 | 21 12 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 20 | 1 42 | 15 51 | 17 40 | 23 34 | 23 33 | 23 15 | 2 4 | 4 41 |
| T 5 | 7 46 | 23 21 | 2 18 | 3 5 | 2 33 | 20 52 | 1 27 | 13 44 | 2 40 | 21 11 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 20 | 1 42 | 15 51 | 17 40 | 23 34 | 23 33 | 23 14 | 2 3 | 4 42 |
| W 6 | 8 8 | 24 9 | 1 19 | 2 24 | 2 31 | 21 11 | 1 30 | 13 42 | 2 37 | 21 11 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 19 | 1 42 | 15 52 | 17 40 | 23 34 | 23 33 | 23 13 | 2 2 | 4 42 |
| T 7 | 8 30 | 23 50 | 0 16 | 1 41 | 2 28 | 21 30 | 1 33 | 13 40 | 2 34 | 21 10 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 19 | 1 42 | 15 52 | 17 40 | 23 34 | 23 33 | 23 12 | 2 0 | 4 42 |
| F 8 | 8 52 | 22 26 | 0s47 | 0 58 | 2 25 | 21 48 | 1 36 | 13 37 | 2 32 | 21 10 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 19 | 1 42 | 15 53 | 17 40 | 23 34 | 23 33 | 23 10 | 1 59 | 4 42 |
| S 9 | 9 13 | 20 3 | 1 47 | 0 14 | 2 21 | 22 6 | 1 38 | 13 34 | 2 29 | 21 9 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 18 | 1 42 | 15 53 | 17 39 | 23 34 | 23 33 | 23 9 | 1 58 | 4 42 |
| S 10 | 9 35 | 16 48 | 2 44 | 0n32 | 2 17 | 22 23 | 1 41 | 13 31 | 2 26 | 21 9 | 0 46 | 22 14 | 1 11 | 22 53 | 0 27 | 18 18 | 1 43 | 15 53 | 17 39 | 23 34 | 23 33 | 23 8 | 1 57 | 4 42 |
| M11 | 9 56 | 12 49 | 3 35 | 1 18 | 2 12 | 22 39 | 1 44 | 13 28 | 2 24 | 21 8 | 0 46 | 22 13 | 1 11 | 22 53 | 0 27 | 18 18 | 1 43 | 15 54 | 17 39 | 23 34 | 23 33 | 23 7 | 1 55 | 4 42 |
| T 12 | 10 17 | 8 13 | 4 16 | 2 6 | 2 7 | 22 55 | 1 46 | 13 24 | 2 21 | 21 8 | 0 46 | 22 13 | 1 11 | 22 53 | 0 27 | 18 18 | 1 43 | 15 54 | 17 39 | 23 34 | 23 33 | 23 6 | 1 54 | 4 42 |
| W13 | 10 38 | 3 10 | 4 46 | 2 54 | 2 1 | 23 10 | 1 49 | 13 20 | 2 19 | 21 7 | 0 46 | 22 13 | 1 11 | 22 53 | 0 27 | 18 17 | 1 43 | 15 55 | 17 38 | 23 34 | 23 33 | 23 5 | 1 53 | 4 42 |
| T 14 | 10 59 | 2s10 | 5 2 | 3 44 | 1 54 | 23 25 | 1 51 | 13 16 | 2 16 | 21 7 | 0 46 | 22 13 | 1 11 | 22 53 | 0 27 | 18 17 | 1 43 | 15 55 | 17 38 | 23 34 | 23 33 | 23 3 | 1 52 | 4 43 |
| F 15 | 11 20 | 7 32 | 5 2 | 4 34 | 1 48 | 23 39 | 1 54 | 13 12 | 2 14 | 21 6 | 0 46 | 22 13 | 1 11 | 22 53 | 0 27 | 18 17 | 1 43 | 15 55 | 17 38 | 23 34 | 23 33 | 23 2 | 1 51 | 4 43 |
| S 16 | 11 40 | 12 42 | 4 45 | 5 25 | 1 40 | 23 52 | 1 56 | 13 7 | 2 11 | 21 5 | 0 46 | 22 13 | 1 11 | 22 53 | 0 27 | 18 16 | 1 43 | 15 56 | 17 38 | 23 34 | 23 33 | 23 1 | 1 49 | 4 43 |
| S 17 | 12 1 | 17 17 | 4 10 | 6 17 | 1 32 | 24 5 | 1 59 | 13 2 | 2 9 | 21 5 | 0 46 | 22 13 | 1 11 | 22 53 | 0 27 | 18 16 | 1 43 | 15 56 | 17 37 | 23 34 | 23 34 | 23 0 | 1 48 | 4 43 |
| M18 | 12 21 | 20 56 | 3 18 | 7 9 | 1 24 | 24 17 | 2 1 | 12 57 | 2 6 | 21 4 | 0 46 | 22 13 | 1 11 | 22 53 | 0 27 | 18 16 | 1 43 | 15 56 | 17 37 | 23 34 | 23 34 | 22 59 | 1 47 | 4 43 |
| T 19 | 12 41 | 23 17 | 2 14 | 8 2 | 1 16 | 24 29 | 2 3 | 12 52 | 2 4 | 21 3 | 0 46 | 22 13 | 1 11 | 22 53 | 0 27 | 18 15 | 1 43 | 15 56 | 17 37 | 23 34 | 23 34 | 22 57 | 1 46 | 4 43 |
| W20 | 13 1 | 24 5 | 1 0 | 8 56 | 1 6 | 24 40 | 2 5 | 12 47 | 2 2 | 21 2 | 0 46 | 22 12 | 1 11 | 22 53 | 0 27 | 18 15 | 1 43 | 15 57 | 17 37 | 23 34 | 23 34 | 22 56 | 1 45 | 4 43 |
| T 21 | 13 20 | 23 15 | 0n17 | 9 49 | 0 57 | 24 50 | 2 7 | 12 41 | 1 59 | 21 1 | 0 46 | 22 12 | 1 11 | 22 53 | 0 27 | 18 15 | 1 43 | 15 57 | 17 36 | 23 34 | 23 34 | 22 55 | 1 44 | 4 44 |
| F 22 | 13 39 | 20 53 | 1 33 | 10 43 | 0 47 | 24 59 | 2 9 | 12 35 | 1 57 | 21 1 | 0 46 | 22 12 | 1 11 | 22 53 | 0 27 | 18 14 | 1 43 | 15 57 | 17 36 | 23 34 | 23 34 | 22 54 | 1 43 | 4 44 |
| S 23 | 13 59 | 17 16 | 2 42 | 11 37 | 0 37 | 25 8 | 2 11 | 12 29 | 1 54 | 21 0 | 0 46 | 22 12 | 1 11 | 22 53 | 0 28 | 18 14 | 1 43 | 15 57 | 17 36 | 23 34 | 23 34 | 22 52 | 1 41 | 4 44 |
| S 24 | 14 17 | 12 43 | 3 40 | 12 30 | 0 27 | 25 16 | 2 13 | 12 23 | 1 52 | 20 59 | 0 46 | 22 12 | 1 11 | 22 53 | 0 28 | 18 14 | 1 43 | 15 57 | 17 35 | 23 34 | 23 34 | 22 51 | 1 40 | 4 44 |
| M25 | 14 36 | 7 35 | 4 25 | 13 23 | 0 17 | 25 24 | 2 15 | 12 17 | 1 50 | 20 58 | 0 46 | 22 12 | 1 11 | 22 53 | 0 28 | 18 13 | 1 43 | 15 58 | 17 35 | 23 34 | 23 34 | 22 50 | 1 39 | 4 44 |
| T 26 | 14 55 | 2 9 | 4 54 | 14 16 | 0 6 | 25 31 | 2 17 | 12 10 | 1 48 | 20 57 | 0 46 | 22 12 | 1 11 | 22 53 | 0 28 | 18 13 | 1 43 | 15 58 | 17 34 | 23 34 | 23 34 | 22 49 | 1 38 | 4 44 |
| W27 | 15 13 | 3n17 | 5 7 | 15 7 | 0n 4 | 25 37 | 2 18 | 12 3 | 1 45 | 20 56 | 0 46 | 22 11 | 1 11 | 22 53 | 0 28 | 18 13 | 1 43 | 15 58 | 17 34 | 23 34 | 23 34 | 22 48 | 1 37 | 4 45 |
| T 28 | 15 31 | 8 29 | 5 3 | 15 58 | 0 15 | 25 43 | 2 20 | 11 56 | 1 43 | 20 55 | 0 46 | 22 11 | 1 11 | 22 53 | 0 28 | 18 12 | 1 43 | 15 58 | 17 34 | 23 34 | 23 34 | 22 46 | 1 36 | 4 45 |
| F 29 | 15 48 | 13 14 | 4 43 | 16 48 | 0 25 | 25 47 | 2 21 | 11 49 | 1 41 | 20 54 | 0 46 | 22 11 | 1 11 | 22 53 | 0 28 | 18 12 | 1 43 | 15 58 | 17 33 | 23 34 | 23 34 | 22 45 | 1 35 | 4 45 |
| S 30 | 16n 6 | 17n18 | 4n10 | 17n36 | 0n36 | 25n52 | 2n23 | 11n42 | 1n39 | 20s53 | 0n46 | 22s11 | 1n11 | 22s54 | 0s28 | 18s11 | 1n43 | 15n58 | 17n33 | 23s34 | 23s34 | 22n44 | 1s34 | 4n45 |

Julian Day Number = 2081649.5, Delta T = 25m27s
Ecliptic obliquity = 23°34'15, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'31, Lahiri = 9°44'31 Julian Calendar 1 Apr. 987 == Greg. Calendar 6 Apr. 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## MAY 987 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 54 14 | 14♉51'19 | 17♉54 | 19♉15 | 26♊22 | 4♍ 3 | 7°R 7 | 22°R42 | 17°R22 | 28°R 9 | 0°R10 | 29°R19 | 1♋ 2 | 7♋58 | 15♓ 1 | S 1 |
| M 2 | 14 58 11 | 15°48'58 | 0♊13 | 21°25 | 27°30 | 4°19 | 7♐ 1 | 22♐39 | 17♋22 | 28♏ 7 | 0♎ 9 | 29♐13 | 0°59 | 8° 5 | 15° 3 | M 2 |
| T 3 | 15 2 7 | 16°46'36 | 12°20 | 23°35 | 28°37 | 4°35 | 6°54 | 22°36 | 17°21 | 28° 6 | 0° 8 | 29°10 | 0°55 | 8°11 | 15° 5 | T 3 |
| W 4 | 15 6 4 | 17°44'12 | 24°17 | 25°43 | 29°44 | 4°51 | 6°47 | 22°33 | 17°20 | 28° 4 | 0° 7 | 29°D 9 | 0°52 | 8°18 | 15° 7 | W 4 |
| T 5 | 15 10 1 | 18°41'47 | 6♋ 7 | 27°50 | 0♋51 | 5° 8 | 6°40 | 22°29 | 17°19 | 28° 3 | 0° 6 | 29° 9 | 0°49 | 8°25 | 15° 9 | T 5 |
| F 6 | 15 13 57 | 19°39'21 | 17°54 | 29°55 | 1°58 | 5°26 | 6°33 | 22°26 | 17°18 | 28° 1 | 0° 5 | 29°10 | 0°46 | 8°31 | 15°11 | F 6 |
| S 7 | 15 17 54 | 20°36'53 | 29°43 | 1♊59 | 3° 4 | 5°44 | 6°26 | 22°23 | 17°17 | 27°59 | 0° 4 | 29°11 | 0°43 | 8°38 | 15°13 | S 7 |
| S 8 | 15 21 50 | 21°34'24 | 11♌38 | 4° 0 | 4°11 | 6° 2 | 6°19 | 22°19 | 17°16 | 27°58 | 0° 3 | 29°13 | 0°40 | 8°45 | 15°15 | S 8 |
| M 9 | 15 25 47 | 22°31'53 | 23°43 | 5°59 | 5°17 | 6°21 | 6°12 | 22°16 | 17°15 | 27°56 | 0° 2 | 29°R13 | 0°36 | 8°51 | 15°17 | M 9 |
| T 10 | 15 29 43 | 23°29'21 | 6♍ 5 | 7°56 | 6°23 | 6°40 | 6° 5 | 22°12 | 17°14 | 27°55 | 0° 1 | 29°12 | 0°33 | 8°58 | 15°19 | T 10 |
| W11 | 15 33 40 | 24°26'48 | 18°47 | 9°51 | 7°29 | 7° 0 | 5°58 | 22° 9 | 17°13 | 27°53 | 0° 1 | 29°10 | 0°30 | 9° 5 | 15°20 | W11 |
| T 12 | 15 37 36 | 25°24'13 | 1♎54 | 11°43 | 8°35 | 7°20 | 5°50 | 22° 5 | 17°12 | 27°51 | 29♍59 | 29° 7 | 0°27 | 9°11 | 15°22 | T 12 |
| F 13 | 15 41 33 | 26°21'37 | 15°26 | 13°32 | 9°40 | 7°40 | 5°43 | 22° 1 | 17°11 | 27°50 | 29°59 | 29° 2 | 0°24 | 9°18 | 15°24 | F 13 |
| S 14 | 15 45 30 | 27°19'00 | 29°24 | 15°19 | 10°45 | 8° 1 | 5°35 | 21°58 | 17°10 | 27°48 | 29°58 | 28°57 | 0°20 | 9°24 | 15°25 | S 14 |
| S 15 | 15 49 26 | 28°16'22 | 13♏46 | 17° 3 | 11°50 | 8°22 | 5°28 | 21°54 | 17° 8 | 27°47 | 29°58 | 28°53 | 0°17 | 9°31 | 15°27 | S 15 |
| M16 | 15 53 23 | 29°13'43 | 28°25 | 18°45 | 12°55 | 8°44 | 5°20 | 21°50 | 17° 7 | 27°45 | 29°57 | 28°49 | 0°14 | 9°38 | 15°28 | M16 |
| T 17 | 15 57 19 | 0♊11'03 | 13♐16 | 20°24 | 14° 0 | 9° 6 | 5°13 | 21°46 | 17° 6 | 27°43 | 29°56 | 28°47 | 0°11 | 9°44 | 15°30 | T 17 |
| W18 | 16 1 16 | 1° 8'23 | 28°11 | 22° 0 | 15° 4 | 9°28 | 5° 5 | 21°42 | 17° 4 | 27°42 | 29°56 | 28°D47 | 0° 8 | 9°51 | 15°31 | W18 |
| T 19 | 16 5 12 | 2° 5'41 | 13♋ 1 | 23°33 | 16° 9 | 9°51 | 4°58 | 21°38 | 17° 3 | 27°40 | 29°55 | 28°47 | 0° 5 | 9°58 | 15°32 | T 19 |
| F 20 | 16 9 9 | 3° 2'59 | 27°41 | 25° 3 | 17°12 | 10°14 | 4°50 | 21°34 | 17° 1 | 27°39 | 29°55 | 28°48 | 0° 1 | 10° 4 | 15°34 | F 20 |
| S 21 | 16 13 5 | 4° 0'17 | 12♒ 6 | 26°31 | 18°16 | 10°37 | 4°42 | 21°30 | 17° 0 | 27°37 | 29°54 | 28°50 | 29♐58 | 10°11 | 15°35 | S 21 |
| S 22 | 16 17 2 | 4°57'34 | 26°12 | 27°56 | 19°20 | 11° 1 | 4°35 | 21°26 | 16°58 | 27°35 | 29°54 | 28°51 | 29°55 | 10°18 | 15°36 | S 22 |
| M23 | 16 20 59 | 5°54'50 | 10♓ 0 | 29°18 | 20°23 | 11°25 | 4°27 | 21°22 | 16°57 | 27°34 | 29°53 | 28°R51 | 29°52 | 10°24 | 15°37 | M23 |
| T 24 | 16 24 55 | 6°52'07 | 23°28 | 0♋37 | 21°26 | 11°50 | 4°19 | 21°18 | 16°55 | 27°32 | 29°53 | 28°50 | 29°49 | 10°31 | 15°39 | T 24 |
| W25 | 16 28 52 | 7°49'22 | 6♈39 | 1°53 | 22°28 | 12°14 | 4°12 | 21°14 | 16°53 | 27°30 | 29°53 | 28°48 | 29°46 | 10°38 | 15°40 | W25 |
| T 26 | 16 32 48 | 8°46'38 | 19°33 | 3° 5 | 23°31 | 12°39 | 4° 4 | 21° 9 | 16°52 | 27°29 | 29°52 | 28°46 | 29°42 | 10°44 | 15°41 | T 26 |
| F 27 | 16 36 45 | 9°43'53 | 2♉12 | 4°15 | 24°33 | 13° 5 | 3°56 | 21° 5 | 16°50 | 27°27 | 29°52 | 28°43 | 29°39 | 10°51 | 15°42 | F 27 |
| S 28 | 16 40 41 | 10°41'08 | 14°39 | 5°22 | 25°35 | 13°30 | 3°49 | 21° 1 | 16°48 | 27°26 | 29°52 | 28°40 | 29°36 | 10°58 | 15°42 | S 28 |
| S 29 | 16 44 38 | 11°38'22 | 26°54 | 6°26 | 26°36 | 13°56 | 3°41 | 20°56 | 16°46 | 27°24 | 29°51 | 28°38 | 29°33 | 11° 4 | 15°43 | S 29 |
| M30 | 16 48 34 | 12°35'36 | 8♊59 | 7°26 | 27°37 | 14°22 | 3°34 | 20°52 | 16°45 | 27°23 | 29°51 | 28°36 | 29°30 | 11°11 | 15°44 | M30 |
| T 31 | 16 52 31 | 13♊32'50 | 20♊56 | 8♋23 | 28♋38 | 14♍49 | 3♐26 | 20♐48 | 16♋43 | 27♏21 | 29♍51 | 28♐35 | 29♐26 | 11♋18 | 15♓45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n23 | 20n32 | 3n25 | 18n22 | 0n46 | 25n55 | 2n24 | 11n34 | 1n37 | 20s52 | 0n45 | 22s11 | 1n11 | 22s54 | 0s28 | 18s11 | 1n43 | 15n58 | 17n33 | 23s34 | 23s34 | 22n42 | 1s33 | 4n45 |
| M 2 | 16 40 | 22 45 | 2 30 | 19 7 | 0 56 | 25 58 | 2 25 | 11 27 | 1 35 | 20 51 | 0 45 | 22 11 | 1 11 | 22 54 | 0 28 | 18 11 | 1 43 | 15 58 | 17 32 | 23 34 | 23 34 | 22 41 | 1 32 | 4 45 |
| T 3 | 16 56 | 23 53 | 1 30 | 19 49 | 1 5 | 26 0 | 2 26 | 11 19 | 1 32 | 20 50 | 0 45 | 22 11 | 1 11 | 22 54 | 0 28 | 18 10 | 1 43 | 15 58 | 17 32 | 23 34 | 23 34 | 22 40 | 1 31 | 4 46 |
| W 4 | 17 13 | 23 53 | 0 26 | 20 29 | 1 14 | 26 1 | 2 27 | 11 11 | 1 30 | 20 49 | 0 45 | 22 10 | 1 11 | 22 54 | 0 28 | 18 10 | 1 43 | 15 58 | 17 31 | 23 34 | 23 34 | 22 39 | 1 30 | 4 46 |
| T 5 | 17 29 | 22 48 | 0s38 | 21 7 | 1 22 | 26 2 | 2 28 | 11 3 | 1 28 | 20 48 | 0 45 | 22 10 | 1 11 | 22 54 | 0 28 | 18 10 | 1 43 | 15 58 | 17 31 | 23 34 | 23 34 | 22 37 | 1 29 | 4 46 |
| F 6 | 17 45 | 20 42 | 1 40 | 21 43 | 1 30 | 26 2 | 2 29 | 10 54 | 1 26 | 20 47 | 0 45 | 22 10 | 1 11 | 22 54 | 0 28 | 18 9 | 1 43 | 15 58 | 17 31 | 23 34 | 23 34 | 22 36 | 1 28 | 4 46 |
| S 7 | 18 0 | 17 44 | 2 39 | 22 16 | 1 37 | 26 2 | 2 30 | 10 46 | 1 24 | 20 46 | 0 45 | 22 10 | 1 11 | 22 54 | 0 28 | 18 9 | 1 43 | 15 58 | 17 30 | 23 34 | 23 34 | 22 35 | 1 27 | 4 46 |
| S 8 | 18 15 | 14 1 | 3 31 | 22 46 | 1 44 | 26 0 | 2 30 | 10 37 | 1 22 | 20 45 | 0 45 | 22 10 | 1 11 | 22 55 | 0 28 | 18 9 | 1 43 | 15 58 | 17 30 | 23 34 | 23 34 | 22 33 | 1 27 | 4 47 |
| M 9 | 18 30 | 9 41 | 4 15 | 23 14 | 1 50 | 25 58 | 2 31 | 10 28 | 1 20 | 20 43 | 0 45 | 22 9 | 1 11 | 22 55 | 0 28 | 18 8 | 1 43 | 15 58 | 17 29 | 23 34 | 23 34 | 22 32 | 1 26 | 4 47 |
| T 10 | 18 45 | 4 52 | 4 47 | 23 39 | 1 55 | 25 56 | 2 31 | 10 19 | 1 18 | 20 42 | 0 45 | 22 9 | 1 11 | 22 55 | 0 28 | 18 8 | 1 43 | 15 58 | 17 29 | 23 34 | 23 34 | 22 31 | 1 25 | 4 47 |
| W11 | 18 59 | 0s15 | 5 7 | 24 1 | 2 0 | 25 53 | 2 31 | 10 10 | 1 16 | 20 41 | 0 45 | 22 9 | 1 11 | 22 55 | 0 28 | 18 7 | 1 43 | 15 58 | 17 28 | 23 34 | 23 34 | 22 29 | 1 24 | 4 47 |
| T 12 | 19 13 | 5 31 | 5 12 | 24 21 | 2 3 | 25 49 | 2 32 | 10 1 | 1 15 | 20 40 | 0 45 | 22 9 | 1 11 | 22 55 | 0 28 | 18 7 | 1 43 | 15 58 | 17 28 | 23 34 | 23 34 | 22 28 | 1 23 | 4 47 |
| F 13 | 19 27 | 10 43 | 5 0 | 24 38 | 2 6 | 25 44 | 2 32 | 9 52 | 1 13 | 20 39 | 0 45 | 22 9 | 1 11 | 22 55 | 0 28 | 18 7 | 1 43 | 15 58 | 17 27 | 23 34 | 23 34 | 22 27 | 1 22 | 4 48 |
| S 14 | 19 40 | 15 31 | 4 30 | 24 53 | 2 9 | 25 39 | 2 31 | 9 42 | 1 11 | 20 38 | 0 44 | 22 8 | 1 11 | 22 56 | 0 28 | 18 6 | 1 43 | 15 58 | 17 27 | 23 34 | 23 34 | 22 25 | 1 21 | 4 48 |
| S 15 | 19 53 | 19 35 | 3 42 | 25 6 | 2 10 | 25 33 | 2 31 | 9 32 | 1 9 | 20 36 | 0 44 | 22 8 | 1 11 | 22 56 | 0 28 | 18 6 | 1 43 | 15 58 | 17 26 | 23 34 | 23 34 | 22 24 | 1 21 | 4 48 |
| M16 | 20 6 | 22 30 | 2 39 | 25 16 | 2 11 | 25 27 | 2 31 | 9 23 | 1 7 | 20 35 | 0 44 | 22 8 | 1 11 | 22 56 | 0 28 | 18 6 | 1 43 | 15 57 | 17 26 | 23 34 | 23 34 | 22 23 | 1 20 | 4 48 |
| T 17 | 20 18 | 23 55 | 1 24 | 25 24 | 2 11 | 25 19 | 2 31 | 9 13 | 1 5 | 20 34 | 0 44 | 22 8 | 1 11 | 22 56 | 0 28 | 18 5 | 1 43 | 15 57 | 17 25 | 23 34 | 23 34 | 22 21 | 1 19 | 4 48 |
| W18 | 20 30 | 23 37 | 0 3 | 25 29 | 2 10 | 25 12 | 2 30 | 9 3 | 1 4 | 20 33 | 0 44 | 22 8 | 1 11 | 22 56 | 0 28 | 18 5 | 1 43 | 15 57 | 17 25 | 23 34 | 23 34 | 22 20 | 1 18 | 4 49 |
| T 19 | 20 42 | 21 39 | 1n18 | 25 33 | 2 8 | 25 4 | 2 29 | 8 52 | 1 2 | 20 31 | 0 44 | 22 7 | 1 11 | 22 57 | 0 28 | 18 5 | 1 43 | 15 57 | 17 24 | 23 34 | 23 34 | 22 19 | 1 18 | 4 49 |
| F 20 | 20 53 | 18 15 | 2 32 | 25 35 | 2 6 | 24 55 | 2 28 | 8 42 | 1 0 | 20 30 | 0 44 | 22 7 | 1 11 | 22 57 | 0 28 | 18 4 | 1 43 | 15 57 | 17 24 | 23 34 | 23 34 | 22 17 | 1 17 | 4 49 |
| S 21 | 21 4 | 13 48 | 3 36 | 25 35 | 2 3 | 24 45 | 2 28 | 8 31 | 0 58 | 20 29 | 0 44 | 22 7 | 1 11 | 22 57 | 0 28 | 18 4 | 1 43 | 15 56 | 17 23 | 23 34 | 23 34 | 22 16 | 1 16 | 4 49 |
| S 22 | 21 14 | 8 41 | 4 26 | 25 33 | 1 59 | 24 35 | 2 26 | 8 21 | 0 57 | 20 27 | 0 44 | 22 7 | 1 11 | 22 57 | 0 28 | 18 4 | 1 43 | 15 56 | 17 23 | 23 34 | 23 34 | 22 15 | 1 16 | 4 49 |
| M23 | 21 25 | 3 15 | 4 58 | 25 29 | 1 55 | 24 24 | 2 25 | 8 10 | 0 55 | 20 26 | 0 43 | 22 6 | 1 11 | 22 57 | 0 28 | 18 3 | 1 43 | 15 56 | 17 22 | 23 34 | 23 34 | 22 13 | 1 15 | 4 50 |
| T 24 | 21 35 | 2n12 | 5 14 | 25 24 | 1 50 | 24 13 | 2 24 | 7 59 | 0 53 | 20 25 | 0 43 | 22 6 | 1 11 | 22 58 | 0 28 | 18 3 | 1 43 | 15 55 | 17 22 | 23 34 | 23 34 | 22 12 | 1 14 | 4 50 |
| W25 | 21 44 | 7 25 | 5 12 | 25 17 | 1 44 | 24 2 | 2 22 | 7 48 | 0 52 | 20 24 | 0 43 | 22 6 | 1 11 | 22 58 | 0 28 | 18 3 | 1 43 | 15 55 | 17 21 | 23 34 | 23 34 | 22 10 | 1 14 | 4 50 |
| T 26 | 21 53 | 12 14 | 4 55 | 25 9 | 1 37 | 23 49 | 2 21 | 7 37 | 0 50 | 20 22 | 0 43 | 22 6 | 1 11 | 22 58 | 0 28 | 18 2 | 1 43 | 15 55 | 17 21 | 23 34 | 23 34 | 22 9 | 1 13 | 4 50 |
| F 27 | 22 2 | 16 25 | 4 23 | 25 0 | 1 29 | 23 37 | 2 19 | 7 26 | 0 49 | 20 21 | 0 43 | 22 6 | 1 11 | 22 58 | 0 28 | 18 2 | 1 43 | 15 54 | 17 20 | 23 34 | 23 34 | 22 8 | 1 13 | 4 50 |
| S 28 | 22 10 | 19 49 | 3 40 | 24 49 | 1 21 | 23 23 | 2 17 | 7 15 | 0 47 | 20 20 | 0 43 | 22 5 | 1 11 | 22 59 | 0 28 | 18 2 | 1 43 | 15 54 | 17 20 | 23 34 | 23 34 | 22 6 | 1 12 | 4 51 |
| S 29 | 22 18 | 22 16 | 2 46 | 24 37 | 1 13 | 23 9 | 2 15 | 7 3 | 0 45 | 20 19 | 0 43 | 22 5 | 1 11 | 22 59 | 0 28 | 18 1 | 1 43 | 15 54 | 17 19 | 23 34 | 23 34 | 22 5 | 1 12 | 4 51 |
| M30 | 22 26 | 23 40 | 1 46 | 24 25 | 1 3 | 22 55 | 2 13 | 6 51 | 0 44 | 20 17 | 0 42 | 22 5 | 1 11 | 22 59 | 0 28 | 18 1 | 1 43 | 15 53 | 17 19 | 23 34 | 23 34 | 22 3 | 1 11 | 4 51 |
| T 31 | 22n33 | 23n58 | 0n42 | 24n11 | 0n53 | 22n40 | 2n10 | 6n40 | 0n42 | 20s16 | 0n42 | 22s 5 | 1n10 | 22s59 | 0s29 | 18s 1 | 1n43 | 15n53 | 17n18 | 23s34 | 23s34 | 22n 2 | 1s11 | 4n51 |

Julian Day Number = 2081679.5, Delta T = 25m27s
Ecliptic obliquity = 23°34'14, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'35, Lahiri = 9°44'35 Julian Calendar 1 May 987 == Greg. Calendar 6 May 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## JUNE 987 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 56 28 | 14♊30'03 | 2♋48 | 9♋16 | 29♋39 | 15♍16 | 3°R19 | 20°R43 | 16°R41 | 27°R20 | 29°R51 | 28°D35 | 29♐23 | 11♋24 | 15♓46 | W 1 |
| T 2 | 17 0 24 | 15°27'16 | 14°35 | 10° 6 | 0♌39 | 15°43 | 3♐12 | 20♐39 | 16♑39 | 27♏18 | 29♍51 | 28♐36 | 29°20 | 11°31 | 15°46 | T 2 |
| F 3 | 17 4 21 | 16°24'28 | 26°22 | 10°53 | 1°39 | 16°10 | 3° 4 | 20°35 | 16°37 | 27°17 | 29°51 | 28°37 | 29°17 | 11°37 | 15°47 | F 3 |
| S 4 | 17 8 17 | 17°21'40 | 8♌12 | 11°35 | 2°39 | 16°38 | 2°57 | 20°30 | 16°35 | 27°15 | 29°51 | 28°38 | 29°14 | 11°44 | 15°47 | S 4 |
| S 5 | 17 12 14 | 18°18'51 | 20° 8 | 12°14 | 3°38 | 17° 6 | 2°50 | 20°26 | 16°33 | 27°14 | 29°D50 | 28°39 | 29°11 | 11°51 | 15°48 | S 5 |
| M 6 | 17 16 10 | 19°16'02 | 2♍14 | 12°48 | 4°37 | 17°34 | 2°43 | 20°21 | 16°31 | 27°12 | 29°51 | 28°40 | 29° 7 | 11°57 | 15°48 | M 6 |
| T 7 | 17 20 7 | 20°13'12 | 14°34 | 13°19 | 5°35 | 18° 2 | 2°36 | 20°17 | 16°29 | 27°11 | 29°51 | 28°R40 | 29° 4 | 12° 4 | 15°49 | T 7 |
| W 8 | 17 24 4 | 21°10'22 | 27°14 | 13°45 | 6°33 | 18°31 | 2°29 | 20°13 | 16°27 | 27° 9 | 29°51 | 28°40 | 29° 1 | 12°11 | 15°49 | W 8 |
| T 9 | 17 28 0 | 22° 7'31 | 10♎16 | 14° 7 | 7°30 | 19° 0 | 2°22 | 20° 8 | 16°25 | 27° 8 | 29°51 | 28°40 | 28°58 | 12°17 | 15°49 | T 9 |
| F 10 | 17 31 57 | 23° 4'40 | 23°44 | 14°24 | 8°27 | 19°29 | 2°15 | 20° 4 | 16°23 | 27° 6 | 29°51 | 28°39 | 28°55 | 12°24 | 15°49 | F 10 |
| S 11 | 17 35 53 | 24° 1'48 | 7♏38 | 14°37 | 9°24 | 19°58 | 2° 9 | 19°59 | 16°20 | 27° 5 | 29°51 | 28°39 | 28°52 | 12°31 | 15°50 | S 11 |
| S 12 | 17 39 50 | 24°58'57 | 21°59 | 14°45 | 10°20 | 20°28 | 2° 2 | 19°55 | 16°18 | 27° 3 | 29°51 | 28°38 | 28°48 | 12°37 | 15°50 | S 12 |
| M13 | 17 43 46 | 25°56'05 | 6♐43 | 14°R49 | 11°16 | 20°58 | 1°56 | 19°51 | 16°16 | 27° 2 | 29°52 | 28°38 | 28°45 | 12°44 | 15°50 | M13 |
| T 14 | 17 47 43 | 26°53'13 | 21°43 | 14°48 | 12°11 | 21°28 | 1°49 | 19°46 | 16°14 | 27° 1 | 29°52 | 28°D38 | 28°42 | 12°51 | 15°R50 | T 14 |
| W15 | 17 51 39 | 27°50'21 | 6♑52 | 14°42 | 13° 6 | 21°58 | 1°43 | 19°42 | 16°12 | 26°59 | 29°52 | 28°38 | 28°39 | 12°57 | 15°50 | W15 |
| T 16 | 17 55 36 | 28°47'29 | 22° 0 | 14°32 | 14° 0 | 22°28 | 1°37 | 19°38 | 16° 9 | 26°58 | 29°53 | 28°R38 | 28°36 | 13° 4 | 15°50 | T 16 |
| F 17 | 17 59 33 | 29°44'38 | 6♒58 | 14°17 | 14°53 | 22°59 | 1°31 | 19°33 | 16° 7 | 26°57 | 29°53 | 28°38 | 28°32 | 13°11 | 15°50 | F 17 |
| S 18 | 18 3 29 | 0♋41'47 | 21°40 | 13°58 | 15°46 | 23°30 | 1°25 | 19°29 | 16° 5 | 26°56 | 29°53 | 28°38 | 28°29 | 13°17 | 15°49 | S 18 |
| S 19 | 18 7 26 | 1°38'56 | 6♓ 0 | 13°35 | 16°39 | 24° 1 | 1°19 | 19°25 | 16° 3 | 26°54 | 29°54 | 28°37 | 28°26 | 13°24 | 15°49 | S 19 |
| M20 | 18 11 22 | 2°36'05 | 19°55 | 13° 8 | 17°30 | 24°32 | 1°14 | 19°21 | 16° 0 | 26°53 | 29°54 | 28°37 | 28°23 | 13°31 | 15°49 | M20 |
| T 21 | 18 15 19 | 3°33'15 | 3♈25 | 12°37 | 18°22 | 25° 4 | 1° 8 | 19°16 | 15°58 | 26°52 | 29°55 | 28°D37 | 28°20 | 13°37 | 15°49 | T 21 |
| W22 | 18 19 15 | 4°30'26 | 16°31 | 12° 4 | 19°12 | 25°36 | 1° 3 | 19°12 | 15°56 | 26°51 | 29°55 | 28°37 | 28°17 | 13°44 | 15°48 | W22 |
| T 23 | 18 23 12 | 5°27'37 | 29°17 | 11°28 | 20° 2 | 26° 8 | 0°58 | 19° 8 | 15°53 | 26°49 | 29°56 | 28°38 | 28°13 | 13°50 | 15°48 | T 23 |
| F 24 | 18 27 8 | 6°24'49 | 11♉45 | 10°50 | 20°51 | 26°40 | 0°53 | 19° 4 | 15°51 | 26°48 | 29°57 | 28°38 | 28°10 | 13°57 | 15°47 | F 24 |
| S 25 | 18 31 5 | 7°22'02 | 23°59 | 10°11 | 21°39 | 27°12 | 0°48 | 19° 0 | 15°49 | 26°47 | 29°57 | 28°39 | 28° 7 | 14° 4 | 15°47 | S 25 |
| S 26 | 18 35 2 | 8°19'15 | 6♊ 2 | 9°31 | 22°27 | 27°45 | 0°43 | 18°56 | 15°46 | 26°46 | 29°58 | 28°40 | 28° 4 | 14°10 | 15°46 | S 26 |
| M27 | 18 38 58 | 9°16'28 | 17°57 | 8°51 | 23°14 | 28°17 | 0°38 | 18°52 | 15°44 | 26°45 | 29°59 | 28°41 | 28° 1 | 14°17 | 15°45 | M27 |
| T 28 | 18 42 55 | 10°13'43 | 29°47 | 8°12 | 24° 0 | 28°50 | 0°34 | 18°48 | 15°41 | 26°44 | 29°59 | 28°R41 | 27°58 | 14°24 | 15°45 | T 28 |
| W29 | 18 46 51 | 11°10'58 | 11♋35 | 7°34 | 24°45 | 29°23 | 0°30 | 18°44 | 15°39 | 26°43 | 0♎ 0 | 28°40 | 27°54 | 14°30 | 15°44 | W29 |
| T 30 | 18 50 48 | 12♋ 8'13 | 23♋22 | 6♋58 | 25♌29 | 29♍56 | 0♐26 | 18♐40 | 15♑37 | 26♏42 | 0♎ 1 | 28♐39 | 27♐51 | 14♋37 | 15♓43 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n40 | 23n 9 | 0s23 | 23n57 | 0n43 | 22n25 | 2n 8 | 6n28 | 0n41 | 20s15 | 0n42 | 22s 4 | 1n10 | 23s 0 | 0s29 | 18s 0 | 1n43 | 15n52 | 17n18 | 23s34 | 23s34 | 22n 0 | 1s10 | 4n52 |
| T 2 | 22 46 | 21 19 | 1 28 | 23 42 | 0 31 | 22 9 | 2 5 | 6 16 | 0 39 | 20 13 | 0 42 | 22 4 | 1 10 | 23 0 | 0 29 | 18 0 | 1 43 | 15 52 | 17 17 | 23 34 | 23 34 | 21 59 | 1 10 | 4 52 |
| F 3 | 22 52 | 18 34 | 2 28 | 23 27 | 0 20 | 21 53 | 2 2 | 6 4 | 0 38 | 20 12 | 0 42 | 22 4 | 1 10 | 23 0 | 0 29 | 18 0 | 1 43 | 15 51 | 17 17 | 23 34 | 23 34 | 21 58 | 1 9 | 4 52 |
| S 4 | 22 58 | 15 3 | 3 23 | 23 11 | 0 7 | 21 37 | 1 59 | 5 52 | 0 36 | 20 11 | 0 42 | 22 4 | 1 10 | 23 0 | 0 29 | 17 59 | 1 43 | 15 51 | 17 16 | 23 34 | 23 34 | 21 56 | 1 9 | 4 52 |
| S 5 | 23 3 | 10 55 | 4 9 | 22 54 | 0s 6 | 21 20 | 1 56 | 5 39 | 0 35 | 20 10 | 0 41 | 22 3 | 1 10 | 23 1 | 0 29 | 17 59 | 1 43 | 15 51 | 17 16 | 23 34 | 23 34 | 21 55 | 1 8 | 4 52 |
| M 6 | 23 8 | 6 19 | 4 45 | 22 38 | 0 19 | 21 3 | 1 53 | 5 27 | 0 33 | 20 9 | 0 41 | 22 3 | 1 10 | 23 1 | 0 29 | 17 59 | 1 43 | 15 50 | 17 15 | 23 34 | 23 34 | 21 53 | 1 8 | 4 53 |
| T 7 | 23 12 | 1 22 | 5 8 | 22 21 | 0 33 | 20 45 | 1 49 | 5 15 | 0 32 | 20 7 | 0 41 | 22 3 | 1 10 | 23 1 | 0 29 | 17 58 | 1 43 | 15 50 | 17 14 | 23 34 | 23 34 | 21 52 | 1 8 | 4 53 |
| W 8 | 23 16 | 3s45 | 5 18 | 22 4 | 0 48 | 20 27 | 1 46 | 5 2 | 0 31 | 20 6 | 0 41 | 22 3 | 1 10 | 23 2 | 0 29 | 17 58 | 1 43 | 15 49 | 17 14 | 23 34 | 23 34 | 21 50 | 1 7 | 4 53 |
| T 9 | 23 20 | 8 51 | 5 11 | 21 47 | 1 2 | 20 8 | 1 42 | 4 49 | 0 29 | 20 5 | 0 41 | 22 2 | 1 10 | 23 2 | 0 29 | 17 58 | 1 42 | 15 48 | 17 13 | 23 34 | 23 34 | 21 49 | 1 7 | 4 53 |
| F 10 | 23 23 | 13 43 | 4 48 | 21 30 | 1 17 | 19 49 | 1 38 | 4 37 | 0 28 | 20 4 | 0 41 | 22 2 | 1 10 | 23 2 | 0 29 | 17 57 | 1 42 | 15 48 | 17 13 | 23 34 | 23 34 | 21 47 | 1 7 | 4 54 |
| S 11 | 23 26 | 18 1 | 4 7 | 21 14 | 1 33 | 19 30 | 1 34 | 4 24 | 0 26 | 20 3 | 0 40 | 22 2 | 1 10 | 23 2 | 0 29 | 17 57 | 1 42 | 15 47 | 17 12 | 23 34 | 23 34 | 21 46 | 1 6 | 4 54 |
| S 12 | 23 28 | 21 25 | 3 10 | 20 57 | 1 48 | 19 11 | 1 30 | 4 11 | 0 25 | 20 2 | 0 40 | 22 2 | 1 10 | 23 3 | 0 29 | 17 57 | 1 42 | 15 47 | 17 12 | 23 34 | 23 34 | 21 44 | 1 6 | 4 54 |
| M13 | 23 30 | 23 30 | 1 59 | 20 41 | 2 4 | 18 51 | 1 25 | 3 58 | 0 24 | 20 0 | 0 40 | 22 2 | 1 9 | 23 3 | 0 29 | 17 57 | 1 42 | 15 46 | 17 11 | 23 34 | 23 34 | 21 43 | 1 6 | 4 54 |
| T 14 | 23 32 | 23 57 | 0 38 | 20 26 | 2 20 | 18 31 | 1 20 | 3 45 | 0 22 | 19 59 | 0 40 | 22 1 | 1 9 | 23 3 | 0 29 | 17 56 | 1 42 | 15 45 | 17 11 | 23 34 | 23 34 | 21 41 | 1 6 | 4 54 |
| W15 | 23 33 | 22 38 | 0n46 | 20 11 | 2 35 | 18 11 | 1 16 | 3 32 | 0 21 | 19 58 | 0 40 | 22 1 | 1 9 | 23 4 | 0 29 | 17 56 | 1 42 | 15 45 | 17 10 | 23 34 | 23 34 | 21 40 | 1 6 | 4 55 |
| T 16 | 23 34 | 19 41 | 2 6 | 19 57 | 2 50 | 17 51 | 1 11 | 3 18 | 0 20 | 19 57 | 0 39 | 22 1 | 1 9 | 23 4 | 0 29 | 17 56 | 1 42 | 15 44 | 17 9 | 23 34 | 23 34 | 21 39 | 1 5 | 4 55 |
| F 17 | 23 34 | 15 27 | 3 18 | 19 44 | 3 5 | 17 30 | 1 5 | 3 5 | 0 18 | 19 56 | 0 39 | 22 1 | 1 9 | 23 4 | 0 29 | 17 55 | 1 42 | 15 44 | 17 9 | 23 34 | 23 34 | 21 37 | 1 5 | 4 55 |
| S 18 | 23 34 | 10 21 | 4 14 | 19 31 | 3 20 | 17 9 | 1 0 | 2 51 | 0 17 | 19 55 | 0 39 | 22 0 | 1 9 | 23 4 | 0 29 | 17 55 | 1 42 | 15 43 | 17 8 | 23 34 | 23 34 | 21 36 | 1 5 | 4 55 |
| S 19 | 23 34 | 4 49 | 4 53 | 19 20 | 3 34 | 16 48 | 0 54 | 2 38 | 0 16 | 19 54 | 0 39 | 22 0 | 1 9 | 23 5 | 0 29 | 17 55 | 1 42 | 15 42 | 17 8 | 23 34 | 23 34 | 21 34 | 1 5 | 4 56 |
| M20 | 23 33 | 0n48 | 5 14 | 19 9 | 3 47 | 16 26 | 0 49 | 2 24 | 0 15 | 19 53 | 0 39 | 22 0 | 1 9 | 23 5 | 0 29 | 17 55 | 1 42 | 15 42 | 17 7 | 23 34 | 23 34 | 21 32 | 1 5 | 4 56 |
| T 21 | 23 31 | 6 12 | 5 17 | 19 0 | 3 59 | 16 5 | 0 43 | 2 11 | 0 13 | 19 52 | 0 38 | 22 0 | 1 9 | 23 5 | 0 29 | 17 54 | 1 42 | 15 41 | 17 7 | 23 34 | 23 34 | 21 31 | 1 5 | 4 56 |
| W22 | 23 30 | 11 11 | 5 2 | 18 52 | 4 10 | 15 43 | 0 36 | 1 57 | 0 12 | 19 51 | 0 38 | 21 59 | 1 9 | 23 6 | 0 29 | 17 54 | 1 42 | 15 40 | 17 6 | 23 34 | 23 34 | 21 29 | 1 5 | 4 56 |
| T 23 | 23 27 | 15 32 | 4 34 | 18 45 | 4 20 | 15 22 | 0 30 | 1 43 | 0 11 | 19 51 | 0 38 | 21 59 | 1 8 | 23 6 | 0 29 | 17 54 | 1 42 | 15 39 | 17 6 | 23 34 | 23 33 | 21 28 | 1 5 | 4 56 |
| F 24 | 23 25 | 19 7 | 3 52 | 18 39 | 4 29 | 15 0 | 0 23 | 1 29 | 0 10 | 19 50 | 0 38 | 21 59 | 1 8 | 23 6 | 0 29 | 17 54 | 1 42 | 15 39 | 17 5 | 23 34 | 23 33 | 21 26 | 1 5 | 4 57 |
| S 25 | 23 22 | 21 47 | 3 1 | 18 35 | 4 36 | 14 38 | 0 17 | 1 15 | 0 9 | 19 49 | 0 38 | 21 59 | 1 8 | 23 6 | 0 29 | 17 54 | 1 42 | 15 38 | 17 5 | 23 34 | 23 33 | 21 25 | 1 5 | 4 57 |
| S 26 | 23 18 | 23 26 | 2 2 | 18 32 | 4 42 | 14 16 | 0 10 | 1 1 | 0 7 | 19 48 | 0 37 | 21 59 | 1 8 | 23 7 | 0 29 | 17 53 | 1 42 | 15 37 | 17 4 | 23 34 | 23 33 | 21 23 | 1 5 | 4 57 |
| M27 | 23 15 | 24 0 | 0 59 | 18 31 | 4 46 | 13 53 | 0 3 | 0 47 | 0 6 | 19 47 | 0 37 | 21 58 | 1 8 | 23 7 | 0 29 | 17 53 | 1 42 | 15 36 | 17 3 | 23 34 | 23 33 | 21 22 | 1 5 | 4 57 |
| T 28 | 23 10 | 23 28 | 0s 6 | 18 31 | 4 49 | 13 31 | 0s 5 | 0 33 | 0 5 | 19 47 | 0 37 | 21 58 | 1 8 | 23 7 | 0 29 | 17 53 | 1 42 | 15 36 | 17 3 | 23 34 | 23 33 | 21 20 | 1 5 | 4 57 |
| W29 | 23 6 | 21 53 | 1 11 | 18 32 | 4 49 | 13 9 | 0 12 | 0 18 | 0 4 | 19 46 | 0 37 | 21 58 | 1 8 | 23 8 | 0 29 | 17 53 | 1 42 | 15 35 | 17 2 | 23 34 | 23 33 | 21 19 | 1 5 | 4 58 |
| T 30 | 23n 1 | 19n21 | 2s13 | 18n35 | 4s49 | 12n47 | 0s20 | 0n 4 | 0n 3 | 19s45 | 0n37 | 21s58 | 1n 8 | 23s 8 | 0s29 | 17s53 | 1n42 | 15n34 | 17n 2 | 23s34 | 23s33 | 21n17 | 1s 5 | 4n58 |

Julian Day Number = 2081710.5, Delta T = 25m26s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'39, Lahiri = 9°44'39 Julian Calendar 1 June 987 == Greg. Calendar 6 June 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## JULY 987 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 54 44 | 13♋ 5'29 | 5♌12 | 6°R25 | 26♌12 | 0♎30 | 0°R22 | 18°R36 | 15°R34 | 26°R41 | 0♎ 2 | 28°R38 | 27♐48 | 14♋44 | 15°R42 | F 1 |
| S 2 | 18 58 41 | 14° 2'45 | 17° 6 | 5♋55 | 26°55 | 1° 3 | 0♐18 | 18♐32 | 15♑32 | 26♏40 | 0° 3 | 28♐36 | 27°45 | 14°50 | 15♓41 | S 2 |
| S 3 | 19 2 37 | 15° 0'02 | 29° 6 | 5°30 | 27°36 | 1°37 | 0°14 | 18°29 | 15°29 | 26°39 | 0° 4 | 28°33 | 27°42 | 14°57 | 15°40 | S 3 |
| M 4 | 19 6 34 | 15°57'19 | 11♍17 | 5° 8 | 28°17 | 2°11 | 0°11 | 18°25 | 15°27 | 26°38 | 0° 5 | 28°31 | 27°38 | 15° 4 | 15°39 | M 4 |
| T 5 | 19 10 31 | 16°54'37 | 23°40 | 4°52 | 28°56 | 2°45 | 0° 7 | 18°21 | 15°25 | 26°37 | 0° 5 | 28°29 | 27°35 | 15°10 | 15°38 | T 5 |
| W 6 | 19 14 27 | 17°51'55 | 6♎19 | 4°40 | 29°34 | 3°19 | 0° 4 | 18°18 | 15°22 | 26°36 | 0° 6 | 28°28 | 27°32 | 15°17 | 15°37 | W 6 |
| T 7 | 19 18 24 | 18°49'13 | 19°17 | 4°D35 | 0♍11 | 3°54 | 0° 1 | 18°14 | 15°20 | 26°35 | 0° 8 | 28°D27 | 27°29 | 15°24 | 15°36 | T 7 |
| F 8 | 19 22 20 | 19°46'32 | 2♏38 | 4°35 | 0°47 | 4°28 | 29♏59 | 18°11 | 15°17 | 26°34 | 0° 9 | 28°28 | 27°26 | 15°30 | 15°35 | F 8 |
| S 9 | 19 26 17 | 20°43'52 | 16°23 | 4°41 | 1°22 | 5° 3 | 29°56 | 18° 8 | 15°15 | 26°34 | 0°10 | 28°29 | 27°23 | 15°37 | 15°33 | S 9 |
| S 10 | 19 30 13 | 21°41'12 | 0♐33 | 4°53 | 1°55 | 5°38 | 29°54 | 18° 4 | 15°13 | 26°33 | 0°11 | 28°30 | 27°19 | 15°44 | 15°32 | S 10 |
| M11 | 19 34 10 | 22°38'33 | 15° 8 | 5°11 | 2°27 | 6°13 | 29°52 | 18° 1 | 15°10 | 26°32 | 0°12 | 28°31 | 27°16 | 15°50 | 15°31 | M11 |
| T 12 | 19 38 6 | 23°35'55 | 0♑ 2 | 5°36 | 2°57 | 6°48 | 29°49 | 17°58 | 15° 8 | 26°31 | 0°13 | 28°R32 | 27°13 | 15°57 | 15°29 | T 12 |
| W13 | 19 42 3 | 24°33'18 | 15°10 | 6° 7 | 3°26 | 7°24 | 29°48 | 17°55 | 15° 5 | 26°31 | 0°14 | 28°31 | 27°10 | 16° 4 | 15°28 | W13 |
| T 14 | 19 46 0 | 25°30'41 | 0♒23 | 6°44 | 3°54 | 7°59 | 29°46 | 17°52 | 15° 3 | 26°30 | 0°16 | 28°29 | 27° 7 | 16°10 | 15°26 | T 14 |
| F 15 | 19 49 56 | 26°28'05 | 15°31 | 7°28 | 4°20 | 8°35 | 29°44 | 17°49 | 15° 1 | 26°30 | 0°17 | 28°26 | 27° 4 | 16°17 | 15°25 | F 15 |
| S 16 | 19 53 53 | 27°25'31 | 0♓25 | 8°18 | 4°44 | 9°11 | 29°43 | 17°46 | 14°58 | 26°29 | 0°18 | 28°22 | 27° 0 | 16°23 | 15°23 | S 16 |
| S 17 | 19 57 49 | 28°22'57 | 14°56 | 9°14 | 5° 7 | 9°47 | 29°42 | 17°43 | 14°56 | 26°28 | 0°20 | 28°18 | 26°57 | 16°30 | 15°22 | S 17 |
| M18 | 20 1 46 | 29°20'25 | 29° 1 | 10°16 | 5°27 | 10°23 | 29°41 | 17°40 | 14°54 | 26°28 | 0°21 | 28°14 | 26°54 | 16°37 | 15°20 | M18 |
| T 19 | 20 5 42 | 0♌17'55 | 12♈38 | 11°23 | 5°46 | 10°59 | 29°40 | 17°38 | 14°52 | 26°27 | 0°22 | 28°12 | 26°51 | 16°43 | 15°18 | T 19 |
| W20 | 20 9 39 | 1°15'25 | 25°47 | 12°37 | 6° 4 | 11°35 | 29°40 | 17°35 | 14°49 | 26°27 | 0°24 | 28°D10 | 26°48 | 16°50 | 15°17 | W20 |
| T 21 | 20 13 35 | 2°12'57 | 8♉31 | 13°56 | 6°19 | 12°12 | 29°39 | 17°33 | 14°47 | 26°26 | 0°25 | 28°10 | 26°44 | 16°57 | 15°15 | T 21 |
| F 22 | 20 17 32 | 3°10'31 | 20°55 | 15°20 | 6°32 | 12°49 | 29°39 | 17°30 | 14°45 | 26°26 | 0°27 | 28°11 | 26°41 | 17° 3 | 15°13 | F 22 |
| S 23 | 20 21 29 | 4° 8'06 | 3♊ 3 | 16°49 | 6°44 | 13°25 | 29°D39 | 17°28 | 14°42 | 26°26 | 0°28 | 28°13 | 26°38 | 17°10 | 15°11 | S 23 |
| S 24 | 20 25 25 | 5° 5'43 | 15° 0 | 18°22 | 6°53 | 14° 2 | 29°39 | 17°26 | 14°40 | 26°25 | 0°30 | 28°15 | 26°35 | 17°17 | 15° 9 | S 24 |
| M25 | 20 29 22 | 6° 3'21 | 26°50 | 20° 0 | 7° 0 | 14°39 | 29°40 | 17°23 | 14°38 | 26°25 | 0°31 | 28°R15 | 26°32 | 17°23 | 15° 7 | M25 |
| T 26 | 20 33 18 | 7° 1'01 | 8♋37 | 21°42 | 7° 5 | 15°16 | 29°40 | 17°21 | 14°36 | 26°25 | 0°33 | 28°15 | 26°29 | 17°30 | 15° 5 | T 26 |
| W27 | 20 37 15 | 7°58'42 | 20°24 | 23°27 | 7° 8 | 15°54 | 29°41 | 17°19 | 14°34 | 26°24 | 0°34 | 28°12 | 26°25 | 17°37 | 15° 3 | W27 |
| T 28 | 20 41 11 | 8°56'25 | 2♌15 | 25°16 | 7°R 8 | 16°31 | 29°42 | 17°17 | 14°32 | 26°24 | 0°36 | 28° 8 | 26°22 | 17°43 | 15° 1 | T 28 |
| F 29 | 20 45 8 | 9°54'08 | 14°10 | 27° 7 | 7° 6 | 17° 9 | 29°43 | 17°16 | 14°30 | 26°24 | 0°38 | 28° 2 | 26°19 | 17°50 | 14°59 | F 29 |
| S 30 | 20 49 5 | 10°51'54 | 26°12 | 29° 1 | 7° 2 | 17°47 | 29°44 | 17°14 | 14°27 | 26°24 | 0°39 | 27°55 | 26°16 | 17°57 | 14°57 | S 30 |
| S 31 | 20 53 1 | 11♌49'40 | 8♍23 | 0♌57 | 6♍56 | 18♎24 | 29♏46 | 17♐12 | 14♑25 | 26♏24 | 0♎41 | 27♐47 | 26♐13 | 18♋ 3 | 14♓55 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n55 | 16n 1 | 3s 9 | 18n39 | 4s46 | 12n24 | 0s28 | 0s10 | 0n 2 | 19s45 | 0n36 | 21s58 | 1n 7 | 23s 8 | 0s29 | 17s52 | 1n42 | 15n33 | 17n 1 | 23s34 | 23s33 | 21n16 | 1s 5 | 4n58 |
| S 2 | 22 49 | 12 2 | 3 57 | 18 45 | 4 42 | 12 2 | 0 37 | 0 25 | 0 0 | 19 44 | 0 36 | 21 57 | 1 7 | 23 8 | 0 29 | 17 52 | 1 42 | 15 32 | 17 1 | 23 34 | 23 33 | 21 14 | 1 5 | 4 58 |
| S 3 | 22 43 | 7 33 | 4 35 | 18 51 | 4 36 | 11 40 | 0 45 | 0 39 | 0s 1 | 19 44 | 0 36 | 21 57 | 1 7 | 23 9 | 0 29 | 17 52 | 1 42 | 15 31 | 17 0 | 23 34 | 23 33 | 21 12 | 1 6 | 4 58 |
| M 4 | 22 37 | 2 44 | 5 2 | 18 59 | 4 29 | 11 18 | 0 54 | 0 54 | 0 2 | 19 43 | 0 36 | 21 57 | 1 7 | 23 9 | 0 29 | 17 52 | 1 41 | 15 31 | 17 0 | 23 34 | 23 33 | 21 11 | 1 6 | 4 59 |
| T 5 | 22 30 | 2s17 | 5 15 | 19 9 | 4 20 | 10 56 | 1 3 | 1 9 | 0 3 | 19 43 | 0 36 | 21 57 | 1 7 | 23 9 | 0 29 | 17 52 | 1 41 | 15 30 | 16 59 | 23 34 | 23 33 | 21 9 | 1 6 | 4 59 |
| W 6 | 22 22 | 7 18 | 5 13 | 19 19 | 4 11 | 10 34 | 1 12 | 1 23 | 0 4 | 19 42 | 0 35 | 21 57 | 1 7 | 23 10 | 0 29 | 17 52 | 1 41 | 15 29 | 16 59 | 23 34 | 23 33 | 21 8 | 1 6 | 4 59 |
| T 7 | 22 14 | 12 8 | 4 55 | 19 30 | 4 0 | 10 12 | 1 21 | 1 38 | 0 5 | 19 42 | 0 35 | 21 56 | 1 7 | 23 10 | 0 29 | 17 51 | 1 41 | 15 28 | 16 58 | 23 34 | 23 33 | 21 6 | 1 7 | 4 59 |
| F 8 | 22 6 | 16 32 | 4 21 | 19 42 | 3 48 | 9 51 | 1 31 | 1 53 | 0 6 | 19 41 | 0 35 | 21 56 | 1 6 | 23 10 | 0 29 | 17 51 | 1 41 | 15 27 | 16 58 | 23 34 | 23 33 | 21 4 | 1 7 | 4 59 |
| S 9 | 21 58 | 20 12 | 3 32 | 19 54 | 3 35 | 9 29 | 1 40 | 2 8 | 0 7 | 19 41 | 0 35 | 21 56 | 1 6 | 23 10 | 0 29 | 17 51 | 1 41 | 15 26 | 16 57 | 23 34 | 23 33 | 21 3 | 1 7 | 5 0 |
| S 10 | 21 49 | 22 48 | 2 28 | 20 7 | 3 22 | 9 8 | 1 50 | 2 23 | 0 8 | 19 41 | 0 34 | 21 56 | 1 6 | 23 11 | 0 29 | 17 51 | 1 41 | 15 25 | 16 57 | 23 34 | 23 33 | 21 1 | 1 8 | 5 0 |
| M11 | 21 39 | 23 57 | 1 13 | 20 21 | 3 8 | 8 47 | 2 0 | 2 37 | 0 9 | 19 40 | 0 34 | 21 56 | 1 6 | 23 11 | 0 29 | 17 51 | 1 41 | 15 24 | 16 56 | 23 34 | 23 33 | 21 0 | 1 8 | 5 0 |
| T 12 | 21 30 | 23 26 | 0n 8 | 20 34 | 2 53 | 8 27 | 2 11 | 2 52 | 0 10 | 19 40 | 0 34 | 21 56 | 1 6 | 23 11 | 0 29 | 17 51 | 1 41 | 15 23 | 16 56 | 23 34 | 23 32 | 20 58 | 1 8 | 5 0 |
| W13 | 21 20 | 21 12 | 1 30 | 20 48 | 2 38 | 8 6 | 2 21 | 3 7 | 0 11 | 19 40 | 0 34 | 21 56 | 1 6 | 23 12 | 0 29 | 17 51 | 1 41 | 15 23 | 16 55 | 23 34 | 23 32 | 20 56 | 1 9 | 5 0 |
| T 14 | 21 9 | 17 28 | 2 46 | 21 1 | 2 23 | 7 46 | 2 32 | 3 22 | 0 12 | 19 40 | 0 34 | 21 55 | 1 6 | 23 12 | 0 29 | 17 51 | 1 41 | 15 22 | 16 55 | 23 34 | 23 32 | 20 55 | 1 9 | 5 1 |
| F 15 | 20 59 | 12 36 | 3 50 | 21 15 | 2 7 | 7 26 | 2 43 | 3 37 | 0 13 | 19 40 | 0 33 | 21 55 | 1 5 | 23 12 | 0 29 | 17 50 | 1 41 | 15 21 | 16 54 | 23 34 | 23 32 | 20 53 | 1 10 | 5 1 |
| S 16 | 20 47 | 7 4 | 4 37 | 21 27 | 1 51 | 7 7 | 2 55 | 3 52 | 0 14 | 19 40 | 0 33 | 21 55 | 1 5 | 23 12 | 0 29 | 17 50 | 1 41 | 15 20 | 16 54 | 23 34 | 23 32 | 20 52 | 1 10 | 5 1 |
| S 17 | 20 36 | 1 17 | 5 5 | 21 39 | 1 36 | 6 48 | 3 6 | 4 8 | 0 15 | 19 40 | 0 33 | 21 55 | 1 5 | 23 13 | 0 29 | 17 50 | 1 41 | 15 19 | 16 53 | 23 34 | 23 32 | 20 50 | 1 11 | 5 1 |
| M18 | 20 24 | 4n24 | 5 13 | 21 50 | 1 20 | 6 30 | 3 18 | 4 23 | 0 16 | 19 40 | 0 33 | 21 55 | 1 5 | 23 13 | 0 29 | 17 50 | 1 41 | 15 18 | 16 53 | 23 34 | 23 32 | 20 48 | 1 11 | 5 1 |
| T 19 | 20 12 | 9 40 | 5 3 | 22 0 | 1 5 | 6 12 | 3 29 | 4 38 | 0 17 | 19 40 | 0 33 | 21 55 | 1 5 | 23 13 | 0 29 | 17 50 | 1 41 | 15 17 | 16 52 | 23 33 | 23 32 | 20 47 | 1 12 | 5 1 |
| W20 | 19 59 | 14 19 | 4 38 | 22 8 | 0 50 | 5 54 | 3 41 | 4 53 | 0 18 | 19 40 | 0 32 | 21 55 | 1 5 | 23 13 | 0 29 | 17 50 | 1 41 | 15 16 | 16 52 | 23 33 | 23 32 | 20 45 | 1 12 | 5 2 |
| T 21 | 19 46 | 18 11 | 3 59 | 22 15 | 0 35 | 5 38 | 3 54 | 5 8 | 0 19 | 19 40 | 0 32 | 21 55 | 1 5 | 23 14 | 0 29 | 17 50 | 1 41 | 15 15 | 16 51 | 23 33 | 23 32 | 20 43 | 1 13 | 5 2 |
| F 22 | 19 33 | 21 8 | 3 10 | 22 20 | 0 21 | 5 21 | 4 6 | 5 23 | 0 20 | 19 40 | 0 32 | 21 55 | 1 4 | 23 14 | 0 29 | 17 50 | 1 41 | 15 14 | 16 51 | 23 33 | 23 32 | 20 42 | 1 13 | 5 2 |
| S 23 | 19 20 | 23 4 | 2 13 | 22 23 | 0 7 | 5 6 | 4 18 | 5 39 | 0 21 | 19 40 | 0 32 | 21 55 | 1 4 | 23 14 | 0 29 | 17 50 | 1 40 | 15 13 | 16 51 | 23 33 | 23 32 | 20 40 | 1 14 | 5 2 |
| S 24 | 19 6 | 23 55 | 1 12 | 22 24 | 0n 6 | 4 51 | 4 31 | 5 54 | 0 22 | 19 41 | 0 31 | 21 55 | 1 4 | 23 14 | 0 29 | 17 50 | 1 40 | 15 12 | 16 50 | 23 34 | 23 32 | 20 38 | 1 14 | 5 2 |
| M25 | 18 52 | 23 40 | 0 8 | 22 22 | 0 18 | 4 36 | 4 43 | 6 9 | 0 23 | 19 41 | 0 31 | 21 55 | 1 4 | 23 15 | 0 29 | 17 50 | 1 40 | 15 11 | 16 50 | 23 34 | 23 31 | 20 37 | 1 15 | 5 2 |
| T 26 | 18 37 | 22 21 | 0s56 | 22 18 | 0 30 | 4 23 | 4 56 | 6 25 | 0 24 | 19 41 | 0 31 | 21 55 | 1 4 | 23 15 | 0 29 | 17 50 | 1 40 | 15 10 | 16 49 | 23 34 | 23 31 | 20 35 | 1 16 | 5 2 |
| W27 | 18 22 | 20 4 | 1 58 | 22 12 | 0 41 | 4 10 | 5 9 | 6 40 | 0 24 | 19 41 | 0 31 | 21 54 | 1 4 | 23 15 | 0 29 | 17 50 | 1 40 | 15 9 | 16 49 | 23 33 | 23 31 | 20 33 | 1 16 | 5 2 |
| T 28 | 18 7 | 16 56 | 2 54 | 22 2 | 0 51 | 3 58 | 5 21 | 6 55 | 0 25 | 19 42 | 0 31 | 21 54 | 1 3 | 23 15 | 0 29 | 17 50 | 1 40 | 15 8 | 16 48 | 23 33 | 23 31 | 20 32 | 1 17 | 5 3 |
| F 29 | 17 52 | 13 6 | 3 43 | 21 50 | 1 1 | 3 47 | 5 34 | 7 10 | 0 26 | 19 42 | 0 30 | 21 54 | 1 3 | 23 16 | 0 29 | 17 50 | 1 40 | 15 7 | 16 48 | 23 33 | 23 31 | 20 30 | 1 18 | 5 3 |
| S 30 | 17 36 | 8 44 | 4 23 | 21 36 | 1 9 | 3 36 | 5 47 | 7 26 | 0 27 | 19 43 | 0 30 | 21 54 | 1 3 | 23 16 | 0 29 | 17 50 | 1 40 | 15 6 | 16 48 | 23 33 | 23 31 | 20 28 | 1 18 | 5 3 |
| S 31 | 17n20 | 3n58 | 4s51 | 21n18 | 1n17 | 3n27 | 5s59 | 7s41 | 0s28 | 19s43 | 0n30 | 21s54 | 1n 3 | 23s16 | 0s29 | 17s50 | 1n40 | 15n 5 | 16n47 | 23s33 | 23s31 | 20n27 | 1s19 | 5n 3 |

Julian Day Number = 2081740.5, Delta T = 25m26s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'43, Lahiri = 9°44'44 Julian Calendar 1 July 987 == Greg. Calendar 6 July 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## AUGUST 987 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 56 58 | 12♌47'28 | 20♍44 | 2♌54 | 6°R47 | 19♎ 2 | 29♏48 | 17°R11 | 14°R23 | 26°R24 | 0♎43 | 27°R39 | 26♐ 9 | 18♋10 | 14°R53 | M 1 |
| T 2 | 21 0 54 | 13°45'17 | 3♎16 | 4°52 | 6♍35 | 19°41 | 29°49 | 17♐ 9 | 14♑21 | 26♏24 | 0°44 | 27♐32 | 26° 6 | 18°17 | 14♓50 | T 2 |
| W 3 | 21 4 51 | 14°43'08 | 16° 1 | 6°51 | 6°22 | 20°19 | 29°51 | 17° 8 | 14°19 | 26°D24 | 0°46 | 27°26 | 26° 3 | 18°23 | 14°48 | W 3 |
| T 4 | 21 8 47 | 15°40'59 | 29° 1 | 8°51 | 6° 6 | 20°57 | 29°54 | 17° 6 | 14°17 | 26°24 | 0°48 | 27°23 | 26° 0 | 18°30 | 14°46 | T 4 |
| F 5 | 21 12 44 | 16°38'53 | 12♏19 | 10°51 | 5°47 | 21°36 | 29°56 | 17° 5 | 14°16 | 26°24 | 0°50 | 27°D22 | 25°57 | 18°37 | 14°44 | F 5 |
| S 6 | 21 16 40 | 17°36'47 | 25°56 | 12°50 | 5°27 | 22°14 | 29°59 | 17° 4 | 14°14 | 26°24 | 0°52 | 27°22 | 25°54 | 18°43 | 14°41 | S 6 |
| S 7 | 21 20 37 | 18°34'43 | 9♐54 | 14°50 | 5° 4 | 22°53 | 0♐ 1 | 17° 3 | 14°12 | 26°24 | 0°54 | 27°23 | 25°50 | 18°50 | 14°39 | S 7 |
| M 8 | 21 24 33 | 19°32'40 | 24°13 | 16°49 | 4°39 | 23°32 | 0° 4 | 17° 2 | 14°10 | 26°24 | 0°55 | 27°R24 | 25°47 | 18°57 | 14°36 | M 8 |
| T 9 | 21 28 30 | 20°30'38 | 8♑51 | 18°47 | 4°12 | 24°11 | 0° 7 | 17° 1 | 14° 8 | 26°24 | 0°57 | 27°23 | 25°44 | 19° 3 | 14°34 | T 9 |
| W10 | 21 32 27 | 21°28'38 | 23°45 | 20°45 | 3°43 | 24°50 | 0°11 | 17° 1 | 14° 6 | 26°24 | 0°59 | 27°21 | 25°41 | 19°10 | 14°32 | W10 |
| T 11 | 21 36 23 | 22°26'40 | 8♒47 | 22°41 | 3°12 | 25°29 | 0°14 | 17° 0 | 14° 5 | 26°24 | 1° 1 | 27°16 | 25°38 | 19°17 | 14°29 | T 11 |
| F 12 | 21 40 20 | 23°24'43 | 23°49 | 24°37 | 2°40 | 26° 8 | 0°18 | 17° 0 | 14° 3 | 26°25 | 1° 3 | 27° 9 | 25°35 | 19°23 | 14°27 | F 12 |
| S 13 | 21 44 16 | 24°22'47 | 8♓41 | 26°32 | 2° 7 | 26°48 | 0°22 | 16°59 | 14° 1 | 26°25 | 1° 5 | 27° 0 | 25°31 | 19°30 | 14°24 | S 13 |
| S 14 | 21 48 13 | 25°20'54 | 23°15 | 28°25 | 1°32 | 27°27 | 0°25 | 16°59 | 14° 0 | 26°25 | 1° 7 | 26°51 | 25°28 | 19°36 | 14°21 | S 14 |
| M15 | 21 52 9 | 26°19'02 | 7♈25 | 0♍18 | 0°57 | 28° 7 | 0°30 | 16°59 | 13°58 | 26°26 | 1° 9 | 26°43 | 25°25 | 19°43 | 14°19 | M15 |
| T 16 | 21 56 6 | 27°17'12 | 21° 6 | 2° 9 | 0°20 | 28°46 | 0°34 | 16°58 | 13°57 | 26°26 | 1°11 | 26°36 | 25°22 | 19°50 | 14°16 | T 16 |
| W17 | 22 0 2 | 28°15'25 | 4♉20 | 3°59 | 29♌44 | 29°26 | 0°38 | 16°D58 | 13°55 | 26°26 | 1°13 | 26°31 | 25°19 | 19°56 | 14°14 | W17 |
| T 18 | 22 3 59 | 29°13'39 | 17° 7 | 5°48 | 29° 7 | 0♏ 6 | 0°43 | 16°58 | 13°54 | 26°27 | 1°15 | 26°29 | 25°15 | 20° 3 | 14°11 | T 18 |
| F 19 | 22 7 56 | 0♍11'56 | 29°32 | 7°36 | 28°30 | 0°46 | 0°48 | 16°58 | 13°52 | 26°27 | 1°17 | 26°D28 | 25°12 | 20°10 | 14° 9 | F 19 |
| S 20 | 22 11 52 | 1°10'15 | 11♊39 | 9°23 | 27°53 | 1°26 | 0°53 | 16°59 | 13°51 | 26°28 | 1°20 | 26°28 | 25° 9 | 20°16 | 14° 6 | S 20 |
| S 21 | 22 15 49 | 2° 8'36 | 23°35 | 11° 8 | 27°16 | 2° 7 | 0°58 | 16°59 | 13°50 | 26°29 | 1°22 | 26°R29 | 25° 6 | 20°23 | 14° 3 | S 21 |
| M22 | 22 19 45 | 3° 6'59 | 5♋23 | 12°53 | 26°41 | 2°47 | 1° 3 | 17° 0 | 13°48 | 26°29 | 1°24 | 26°28 | 25° 3 | 20°30 | 14° 1 | M22 |
| T 23 | 22 23 42 | 4° 5'24 | 17°10 | 14°36 | 26° 6 | 3°28 | 1° 9 | 17° 0 | 13°47 | 26°30 | 1°26 | 26°26 | 25° 0 | 20°36 | 13°58 | T 23 |
| W24 | 22 27 38 | 5° 3'51 | 29° 0 | 16°18 | 25°32 | 4° 8 | 1°14 | 17° 1 | 13°46 | 26°30 | 1°28 | 26°22 | 24°56 | 20°43 | 13°55 | W24 |
| T 25 | 22 31 35 | 6° 2'20 | 10♌55 | 17°59 | 25° 0 | 4°49 | 1°20 | 17° 1 | 13°45 | 26°31 | 1°30 | 26°14 | 24°53 | 20°50 | 13°52 | T 25 |
| F 26 | 22 35 31 | 7° 0'52 | 22°59 | 19°39 | 24°29 | 5°30 | 1°26 | 17° 2 | 13°43 | 26°32 | 1°32 | 26° 5 | 24°50 | 20°56 | 13°50 | F 26 |
| S 27 | 22 39 28 | 7°59'25 | 5♍13 | 21°18 | 24° 0 | 6°11 | 1°32 | 17° 3 | 13°42 | 26°33 | 1°35 | 25°53 | 24°47 | 21° 3 | 13°47 | S 27 |
| S 28 | 22 43 25 | 8°58'00 | 17°38 | 22°56 | 23°33 | 6°52 | 1°38 | 17° 4 | 13°41 | 26°33 | 1°37 | 25°40 | 24°44 | 21°10 | 13°44 | S 28 |
| M29 | 22 47 21 | 9°56'37 | 0♎15 | 24°33 | 23° 8 | 7°33 | 1°45 | 17° 5 | 13°40 | 26°34 | 1°39 | 25°27 | 24°41 | 21°16 | 13°42 | M29 |
| T 30 | 22 51 18 | 10°55'17 | 13° 4 | 26° 9 | 22°45 | 8°14 | 1°51 | 17° 7 | 13°39 | 26°35 | 1°41 | 25°16 | 24°37 | 21°23 | 13°39 | T 30 |
| W31 | 22 55 14 | 11♍53'57 | 26♎ 4 | 27♍44 | 22♌24 | 8♏55 | 1♐58 | 17♐ 8 | 13♑38 | 26♏36 | 1♎44 | 25♐ 7 | 24♐34 | 21♋30 | 13♓36 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 17n 4 | 1s 0 | 5s 6 | 20n58 | 1n23 | 3n19 | 6s12 | 7s56 | 0s29 | 19s44 | 0n30 | 21s54 | 1n 3 | 23s16 | 0s29 | 17s50 | 1n40 | 15n 4 | 16n47 | 23s33 | 23s31 | 20n25 | 1s20 | 5n 3 |
| T 2 | 16 47 | 5 59 | 5 7 | 20 36 | 1 29 | 3 12 | 6 24 | 8 12 | 0 30 | 19 44 | 0 30 | 21 55 | 1 3 | 23 16 | 0 29 | 17 50 | 1 40 | 15 3 | 16 46 | 23 33 | 23 31 | 20 23 | 1 21 | 5 3 |
| W 3 | 16 30 | 10 49 | 4 52 | 20 11 | 1 34 | 3 5 | 6 36 | 8 27 | 0 30 | 19 45 | 0 29 | 21 55 | 1 2 | 23 17 | 0 29 | 17 50 | 1 40 | 15 2 | 16 46 | 23 33 | 23 31 | 20 21 | 1 21 | 5 3 |
| T 4 | 16 13 | 15 16 | 4 23 | 19 43 | 1 38 | 3 0 | 6 48 | 8 42 | 0 31 | 19 46 | 0 29 | 21 55 | 1 2 | 23 17 | 0 29 | 17 50 | 1 40 | 15 1 | 16 46 | 23 33 | 23 31 | 20 20 | 1 22 | 5 3 |
| F 5 | 15 56 | 19 5 | 3 39 | 19 14 | 1 41 | 2 56 | 7 0 | 8 57 | 0 32 | 19 47 | 0 29 | 21 55 | 1 2 | 23 17 | 0 29 | 17 50 | 1 40 | 14 59 | 16 45 | 23 33 | 23 30 | 20 18 | 1 23 | 5 3 |
| S 6 | 15 38 | 21 57 | 2 41 | 18 43 | 1 44 | 2 53 | 7 11 | 9 13 | 0 33 | 19 47 | 0 29 | 21 55 | 1 2 | 23 17 | 0 29 | 17 50 | 1 40 | 14 58 | 16 45 | 23 33 | 23 30 | 20 16 | 1 24 | 5 4 |
| S 7 | 15 20 | 23 35 | 1 33 | 18 9 | 1 46 | 2 51 | 7 21 | 9 28 | 0 34 | 19 48 | 0 29 | 21 55 | 1 2 | 23 17 | 0 29 | 17 50 | 1 40 | 14 57 | 16 45 | 23 33 | 23 30 | 20 15 | 1 25 | 5 4 |
| M 8 | 15 2 | 23 44 | 0 17 | 17 34 | 1 46 | 2 51 | 7 32 | 9 43 | 0 34 | 19 49 | 0 28 | 21 55 | 1 2 | 23 18 | 0 29 | 17 51 | 1 40 | 14 56 | 16 44 | 23 33 | 23 30 | 20 13 | 1 25 | 5 4 |
| T 9 | 14 44 | 22 15 | 1n 1 | 16 58 | 1 47 | 2 51 | 7 41 | 9 58 | 0 35 | 19 50 | 0 28 | 21 55 | 1 1 | 23 18 | 0 29 | 17 51 | 1 39 | 14 55 | 16 44 | 23 33 | 23 30 | 20 11 | 1 26 | 5 4 |
| W10 | 14 25 | 19 14 | 2 17 | 16 20 | 1 46 | 2 53 | 7 51 | 10 13 | 0 36 | 19 51 | 0 28 | 21 55 | 1 1 | 23 18 | 0 29 | 17 51 | 1 39 | 14 54 | 16 44 | 23 33 | 23 30 | 20 9 | 1 27 | 5 4 |
| T 11 | 14 6 | 14 54 | 3 23 | 15 41 | 1 45 | 2 56 | 7 59 | 10 29 | 0 37 | 19 52 | 0 28 | 21 55 | 1 1 | 23 18 | 0 29 | 17 51 | 1 39 | 14 53 | 16 43 | 23 33 | 23 30 | 20 8 | 1 28 | 5 4 |
| F 12 | 13 47 | 9 38 | 4 16 | 15 1 | 1 44 | 3 0 | 8 7 | 10 44 | 0 38 | 19 52 | 0 28 | 21 55 | 1 1 | 23 18 | 0 29 | 17 51 | 1 39 | 14 52 | 16 43 | 23 32 | 23 30 | 20 6 | 1 29 | 5 4 |
| S 13 | 13 28 | 3 53 | 4 50 | 14 20 | 1 42 | 3 5 | 8 14 | 10 59 | 0 38 | 19 53 | 0 27 | 21 55 | 1 1 | 23 18 | 0 29 | 17 51 | 1 39 | 14 51 | 16 43 | 23 32 | 23 30 | 20 4 | 1 30 | 5 4 |
| S 14 | 13 9 | 1n58 | 5 5 | 13 38 | 1 39 | 3 12 | 8 20 | 11 14 | 0 39 | 19 55 | 0 27 | 21 56 | 1 0 | 23 19 | 0 29 | 17 51 | 1 39 | 14 50 | 16 42 | 23 32 | 23 30 | 20 2 | 1 31 | 5 4 |
| M15 | 12 49 | 7 32 | 5 0 | 12 55 | 1 36 | 3 19 | 8 26 | 11 29 | 0 40 | 19 56 | 0 27 | 21 56 | 1 0 | 23 19 | 0 29 | 17 51 | 1 39 | 14 49 | 16 42 | 23 32 | 23 29 | 20 1 | 1 32 | 5 4 |
| T 16 | 12 29 | 12 34 | 4 38 | 12 12 | 1 32 | 3 27 | 8 30 | 11 44 | 0 41 | 19 57 | 0 27 | 21 56 | 1 0 | 23 19 | 0 29 | 17 51 | 1 39 | 14 48 | 16 42 | 23 32 | 23 29 | 19 59 | 1 33 | 5 4 |
| W17 | 12 9 | 16 49 | 4 2 | 11 28 | 1 28 | 3 36 | 8 34 | 11 59 | 0 41 | 19 58 | 0 27 | 21 56 | 1 0 | 23 19 | 0 29 | 17 52 | 1 39 | 14 47 | 16 41 | 23 31 | 23 29 | 19 57 | 1 34 | 5 4 |
| T 18 | 11 48 | 20 8 | 3 14 | 10 44 | 1 24 | 3 46 | 8 36 | 12 13 | 0 42 | 19 59 | 0 26 | 21 56 | 1 0 | 23 19 | 0 29 | 17 52 | 1 39 | 14 46 | 16 41 | 23 31 | 23 29 | 19 55 | 1 35 | 5 4 |
| F 19 | 11 28 | 22 25 | 2 19 | 9 59 | 1 19 | 3 57 | 8 38 | 12 28 | 0 43 | 20 0 | 0 26 | 21 56 | 1 0 | 23 19 | 0 29 | 17 52 | 1 39 | 14 45 | 16 41 | 23 31 | 23 29 | 19 54 | 1 36 | 5 4 |
| S 20 | 11 7 | 23 36 | 1 18 | 9 14 | 1 14 | 4 9 | 8 39 | 12 43 | 0 43 | 20 1 | 0 26 | 21 57 | 0 59 | 23 19 | 0 29 | 17 52 | 1 39 | 14 43 | 16 41 | 23 31 | 23 29 | 19 52 | 1 37 | 5 4 |
| S 21 | 10 46 | 23 40 | 0 16 | 8 29 | 1 9 | 4 21 | 8 39 | 12 58 | 0 44 | 20 3 | 0 26 | 21 57 | 0 59 | 23 20 | 0 29 | 17 52 | 1 39 | 14 42 | 16 40 | 23 31 | 23 29 | 19 50 | 1 38 | 5 4 |
| M22 | 10 25 | 22 40 | 0s47 | 7 44 | 1 3 | 4 34 | 8 38 | 13 12 | 0 45 | 20 4 | 0 26 | 21 57 | 0 59 | 23 20 | 0 29 | 17 53 | 1 39 | 14 41 | 16 40 | 23 31 | 23 29 | 19 48 | 1 39 | 5 4 |
| T 23 | 10 4 | 20 41 | 1 48 | 6 59 | 0 57 | 4 47 | 8 36 | 13 27 | 0 45 | 20 5 | 0 25 | 21 57 | 0 59 | 23 20 | 0 29 | 17 53 | 1 39 | 14 40 | 16 40 | 23 31 | 23 28 | 19 47 | 1 40 | 5 4 |
| W24 | 9 42 | 17 48 | 2 44 | 6 13 | 0 51 | 5 1 | 8 33 | 13 41 | 0 46 | 20 7 | 0 25 | 21 57 | 0 59 | 23 20 | 0 29 | 17 53 | 1 39 | 14 39 | 16 40 | 23 31 | 23 28 | 19 45 | 1 41 | 5 4 |
| T 25 | 9 21 | 14 10 | 3 33 | 5 28 | 0 45 | 5 15 | 8 30 | 13 56 | 0 47 | 20 8 | 0 25 | 21 58 | 0 59 | 23 20 | 0 29 | 17 53 | 1 38 | 14 38 | 16 39 | 23 31 | 23 28 | 19 43 | 1 42 | 5 4 |
| F 26 | 8 59 | 9 57 | 4 13 | 4 42 | 0 38 | 5 29 | 8 25 | 14 10 | 0 47 | 20 9 | 0 25 | 21 58 | 0 58 | 23 20 | 0 29 | 17 53 | 1 38 | 14 37 | 16 39 | 23 31 | 23 28 | 19 41 | 1 43 | 5 4 |
| S 27 | 8 37 | 5 16 | 4 42 | 3 57 | 0 32 | 5 43 | 8 20 | 14 24 | 0 48 | 20 11 | 0 25 | 21 58 | 0 58 | 23 20 | 0 29 | 17 54 | 1 38 | 14 36 | 16 39 | 23 30 | 23 28 | 19 39 | 1 44 | 5 4 |
| S 28 | 8 15 | 0 20 | 4 58 | 3 12 | 0 25 | 5 57 | 8 14 | 14 39 | 0 49 | 20 12 | 0 25 | 21 58 | 0 58 | 23 20 | 0 29 | 17 54 | 1 38 | 14 35 | 16 39 | 23 30 | 23 28 | 19 38 | 1 45 | 5 4 |
| M29 | 7 53 | 4s41 | 5 0 | 2 27 | 0 18 | 6 12 | 8 8 | 14 53 | 0 49 | 20 14 | 0 24 | 21 59 | 0 58 | 23 20 | 0 29 | 17 54 | 1 38 | 14 34 | 16 39 | 23 30 | 23 28 | 19 36 | 1 46 | 5 4 |
| T 30 | 7 31 | 9 35 | 4 47 | 1 42 | 0 11 | 6 26 | 8 0 | 15 7 | 0 50 | 20 15 | 0 24 | 21 59 | 0 58 | 23 21 | 0 29 | 17 54 | 1 38 | 14 33 | 16 38 | 23 29 | 23 28 | 19 34 | 1 47 | 5 4 |
| W31 | 7n 8 | 14s 8 | 4s19 | 0n58 | 0n 4 | 6n40 | 7s52 | 15s21 | 0s51 | 20s17 | 0n24 | 21s59 | 0n58 | 23s21 | 0s29 | 17s55 | 1n38 | 14n32 | 16n38 | 23s29 | 23s27 | 19n32 | 1s48 | 5n 4 |

Julian Day Number = 2081771.5, Delta T = 25m25s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'47, Lahiri = 9°44'48 Julian Calendar 1 Aug. 987 == Greg. Calendar 6 Aug. 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## SEPTEMBER 987 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 59 11 | 12♍52'40 | 9♏16 | 29♍17 | 22°R 5 | 9♏37 | 2♐ 5 | 17♐ 9 | 13°R38 | 26♏37 | 1♎46 | 25°R 0 | 24♐31 | 21♋36 | 13°R33 | T 1 |
| F 2 | 23 3 7 | 13°51'25 | 22°40 | 0♎50 | 21♌49 | 10°18 | 2°12 | 17°11 | 13♑37 | 26°38 | 1°48 | 24♐56 | 24°28 | 21°43 | 13♓31 | F 2 |
| S 3 | 23 7 4 | 14°50'11 | 6♐17 | 2°22 | 21°35 | 11° 0 | 2°19 | 17°12 | 13°36 | 26°39 | 1°50 | 24°55 | 24°25 | 21°50 | 13°28 | S 3 |
| S 4 | 23 11 0 | 15°49'00 | 20° 8 | 3°53 | 21°23 | 11°41 | 2°26 | 17°14 | 13°35 | 26°40 | 1°53 | 24°55 | 24°21 | 21°56 | 13°25 | S 4 |
| M 5 | 23 14 57 | 16°47'50 | 4♑14 | 5°23 | 21°14 | 12°23 | 2°34 | 17°16 | 13°35 | 26°41 | 1°55 | 24°55 | 24°18 | 22° 3 | 13°22 | M 5 |
| T 6 | 23 18 54 | 17°46'41 | 18°33 | 6°52 | 21° 7 | 13° 5 | 2°41 | 17°18 | 13°34 | 26°42 | 1°57 | 24°53 | 24°15 | 22°10 | 13°20 | T 6 |
| W 7 | 23 22 50 | 18°45'35 | 3♒ 5 | 8°20 | 21° 2 | 13°47 | 2°49 | 17°20 | 13°33 | 26°43 | 2° 0 | 24°50 | 24°12 | 22°16 | 13°17 | W 7 |
| T 8 | 23 26 47 | 19°44'30 | 17°45 | 9°47 | 21°D 0 | 14°29 | 2°57 | 17°22 | 13°33 | 26°44 | 2° 2 | 24°43 | 24° 9 | 22°23 | 13°14 | T 8 |
| F 9 | 23 30 43 | 20°43'27 | 2♓27 | 11°13 | 21° 1 | 15°11 | 3° 5 | 17°24 | 13°32 | 26°45 | 2° 4 | 24°34 | 24° 6 | 22°30 | 13°11 | F 9 |
| S 10 | 23 34 40 | 21°42'26 | 17° 3 | 12°37 | 21° 4 | 15°53 | 3°13 | 17°26 | 13°32 | 26°46 | 2° 7 | 24°23 | 24° 2 | 22°36 | 13° 9 | S 10 |
| S 11 | 23 38 36 | 22°41'27 | 1♈25 | 14° 1 | 21° 9 | 16°36 | 3°21 | 17°29 | 13°32 | 26°47 | 2° 9 | 24°11 | 23°59 | 22°43 | 13° 6 | S 11 |
| M12 | 23 42 33 | 23°40'30 | 15°28 | 15°24 | 21°16 | 17°18 | 3°29 | 17°31 | 13°31 | 26°49 | 2°11 | 23°59 | 23°56 | 22°50 | 13° 3 | M12 |
| T 13 | 23 46 29 | 24°39'36 | 29° 7 | 16°46 | 21°25 | 18° 1 | 3°38 | 17°34 | 13°31 | 26°50 | 2°14 | 23°49 | 23°53 | 22°56 | 13° 1 | T 13 |
| W14 | 23 50 26 | 25°38'43 | 12♉21 | 18° 6 | 21°37 | 18°43 | 3°46 | 17°36 | 13°31 | 26°51 | 2°16 | 23°42 | 23°50 | 23° 3 | 12°58 | W14 |
| T 15 | 23 54 22 | 26°37'53 | 25° 9 | 19°26 | 21°51 | 19°26 | 3°55 | 17°39 | 13°30 | 26°53 | 2°18 | 23°37 | 23°46 | 23°10 | 12°55 | T 15 |
| F 16 | 23 58 19 | 27°37'06 | 7♊36 | 20°44 | 22° 7 | 20° 9 | 4° 4 | 17°42 | 13°30 | 26°54 | 2°21 | 23°35 | 23°43 | 23°16 | 12°53 | F 16 |
| S 17 | 0 2 16 | 28°36'21 | 19°45 | 22° 0 | 22°25 | 20°51 | 4°13 | 17°45 | 13°30 | 26°55 | 2°23 | 23°34 | 23°40 | 23°23 | 12°50 | S 17 |
| S 18 | 0 6 12 | 29°35'38 | 1♋42 | 23°16 | 22°45 | 21°34 | 4°22 | 17°48 | 13°D30 | 26°57 | 2°26 | 23°34 | 23°37 | 23°30 | 12°48 | S 18 |
| M19 | 0 10 9 | 0♎34'57 | 13°31 | 24°30 | 23° 6 | 22°17 | 4°31 | 17°51 | 13°30 | 26°58 | 2°28 | 23°33 | 23°34 | 23°36 | 12°45 | M19 |
| T 20 | 0 14 5 | 1°34'19 | 25°19 | 25°42 | 23°30 | 23° 0 | 4°41 | 17°54 | 13°30 | 26°59 | 2°30 | 23°31 | 23°31 | 23°43 | 12°42 | T 20 |
| W21 | 0 18 2 | 2°33'43 | 7♌11 | 26°52 | 23°55 | 23°44 | 4°50 | 17°57 | 13°30 | 27° 1 | 2°33 | 23°27 | 23°27 | 23°50 | 12°40 | W21 |
| T 22 | 0 21 58 | 3°33'10 | 19°11 | 28° 1 | 24°22 | 24°27 | 5° 0 | 18° 0 | 13°31 | 27° 2 | 2°35 | 23°20 | 23°24 | 23°56 | 12°37 | T 22 |
| F 23 | 0 25 55 | 4°32'39 | 1♍23 | 29° 8 | 24°51 | 25°10 | 5° 9 | 18° 4 | 13°31 | 27° 4 | 2°37 | 23°10 | 23°21 | 24° 3 | 12°35 | F 23 |
| S 24 | 0 29 51 | 5°32'10 | 13°49 | 0♏12 | 25°21 | 25°54 | 5°19 | 18° 7 | 13°31 | 27° 6 | 2°40 | 22°58 | 23°18 | 24°10 | 12°32 | S 24 |
| S 25 | 0 33 48 | 6°31'43 | 26°29 | 1°15 | 25°53 | 26°37 | 5°29 | 18°11 | 13°31 | 27° 7 | 2°42 | 22°45 | 23°15 | 24°16 | 12°30 | S 25 |
| M26 | 0 37 45 | 7°31'18 | 9♎25 | 2°14 | 26°26 | 27°21 | 5°39 | 18°15 | 13°32 | 27° 9 | 2°45 | 22°32 | 23°12 | 24°23 | 12°28 | M26 |
| T 27 | 0 41 41 | 8°30'55 | 22°35 | 3°11 | 27° 0 | 28° 5 | 5°49 | 18°18 | 13°32 | 27°10 | 2°47 | 22°20 | 23° 8 | 24°30 | 12°25 | T 27 |
| W28 | 0 45 38 | 9°30'35 | 5♏58 | 4° 5 | 27°36 | 28°48 | 5°59 | 18°22 | 13°33 | 27°12 | 2°49 | 22°11 | 23° 5 | 24°36 | 12°23 | W28 |
| T 29 | 0 49 34 | 10°30'16 | 19°30 | 4°55 | 28°13 | 29°32 | 6°10 | 18°26 | 13°33 | 27°14 | 2°52 | 22° 4 | 23° 2 | 24°43 | 12°20 | T 29 |
| F 30 | 0 53 31 | 11♎29'59 | 3♐12 | 5♏42 | 28♌52 | 0♐16 | 6♐20 | 18♐30 | 13♑34 | 27♏15 | 2♎54 | 22♐ 0 | 22♐59 | 24♋50 | 12♓18 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 6n46 | 18s 5 | 3s37 | 0n14 | 0s 3 | 6n54 | 7s44 | 15s35 | 0s51 | 20s18 | 0n24 | 22s 0 | 0n57 | 23s21 | 0s29 | 17s55 | 1n38 | 14n31 | 16n38 | 23s29 | 23s27 | 19n30 | 1s49 | 5n 4 | T 1 |
| F 2 | 6 23 | 21 9 | 2 42 | 0s30 | 0 11 | 7 8 | 7 35 | 15 48 | 0 52 | 20 20 | 0 24 | 22 0 | 0 57 | 23 21 | 0 29 | 17 55 | 1 38 | 14 30 | 16 38 | 23 28 | 23 27 | 19 29 | 1 50 | 5 4 | F 2 |
| S 3 | 6 0 | 23 4 | 1 37 | 1 14 | 0 18 | 7 21 | 7 26 | 16 2 | 0 52 | 20 21 | 0 23 | 22 0 | 0 57 | 23 21 | 0 29 | 17 55 | 1 38 | 14 29 | 16 38 | 23 28 | 23 27 | 19 27 | 1 51 | 5 4 | S 3 |
| S 4 | 5 37 | 23 37 | 0 25 | 1 57 | 0 26 | 7 34 | 7 16 | 16 16 | 0 53 | 20 23 | 0 23 | 22 1 | 0 57 | 23 21 | 0 29 | 17 56 | 1 38 | 14 28 | 16 38 | 23 28 | 23 27 | 19 25 | 1 53 | 5 4 | S 4 |
| M 5 | 5 14 | 22 41 | 0n49 | 2 39 | 0 33 | 7 46 | 7 6 | 16 29 | 0 54 | 20 25 | 0 23 | 22 1 | 0 57 | 23 21 | 0 29 | 17 56 | 1 38 | 14 27 | 16 38 | 23 28 | 23 27 | 19 23 | 1 54 | 5 4 | M 5 |
| T 6 | 4 51 | 20 16 | 2 2 | 3 22 | 0 41 | 7 58 | 6 56 | 16 43 | 0 54 | 20 26 | 0 23 | 22 1 | 0 57 | 23 21 | 0 29 | 17 56 | 1 38 | 14 26 | 16 37 | 23 28 | 23 27 | 19 21 | 1 55 | 5 4 | T 6 |
| W 7 | 4 28 | 16 32 | 3 7 | 4 3 | 0 48 | 8 9 | 6 45 | 16 56 | 0 55 | 20 28 | 0 23 | 22 2 | 0 56 | 23 21 | 0 29 | 17 57 | 1 38 | 14 25 | 16 37 | 23 28 | 23 27 | 19 19 | 1 56 | 5 4 | W 7 |
| T 8 | 4 5 | 11 46 | 4 1 | 4 45 | 0 56 | 8 20 | 6 34 | 17 9 | 0 55 | 20 30 | 0 23 | 22 2 | 0 56 | 23 21 | 0 29 | 17 57 | 1 38 | 14 24 | 16 37 | 23 28 | 23 26 | 19 18 | 1 57 | 5 4 | T 8 |
| F 9 | 3 42 | 6 19 | 4 39 | 5 26 | 1 3 | 8 31 | 6 23 | 17 22 | 0 56 | 20 31 | 0 22 | 22 2 | 0 56 | 23 21 | 0 29 | 17 57 | 1 38 | 14 23 | 16 37 | 23 27 | 23 26 | 19 16 | 1 58 | 5 4 | F 9 |
| S 10 | 3 18 | 0 34 | 4 58 | 6 6 | 1 11 | 8 40 | 6 12 | 17 35 | 0 56 | 20 33 | 0 22 | 22 3 | 0 56 | 23 21 | 0 29 | 17 58 | 1 38 | 14 22 | 16 37 | 23 27 | 23 26 | 19 14 | 1 59 | 5 3 | S 10 |
| S 11 | 2 55 | 5n 7 | 4 58 | 6 45 | 1 18 | 8 49 | 6 1 | 17 48 | 0 57 | 20 35 | 0 22 | 22 3 | 0 56 | 23 21 | 0 29 | 17 58 | 1 38 | 14 21 | 16 37 | 23 26 | 23 26 | 19 12 | 2 0 | 5 3 | S 11 |
| M12 | 2 32 | 10 25 | 4 40 | 7 24 | 1 25 | 8 58 | 5 50 | 18 0 | 0 57 | 20 36 | 0 22 | 22 4 | 0 56 | 23 21 | 0 29 | 17 58 | 1 37 | 14 20 | 16 37 | 23 26 | 23 26 | 19 10 | 2 1 | 5 3 | M12 |
| T 13 | 2 8 | 15 3 | 4 6 | 8 3 | 1 33 | 9 6 | 5 38 | 18 13 | 0 58 | 20 38 | 0 22 | 22 4 | 0 55 | 23 21 | 0 29 | 17 59 | 1 37 | 14 19 | 16 37 | 23 26 | 23 26 | 19 8 | 2 3 | 5 3 | T 13 |
| W14 | 1 44 | 18 47 | 3 20 | 8 40 | 1 40 | 9 13 | 5 27 | 18 25 | 0 58 | 20 40 | 0 22 | 22 4 | 0 55 | 23 21 | 0 29 | 17 59 | 1 37 | 14 18 | 16 37 | 23 25 | 23 26 | 19 6 | 2 4 | 5 3 | W14 |
| T 15 | 1 21 | 21 29 | 2 24 | 9 17 | 1 47 | 9 19 | 5 16 | 18 38 | 0 59 | 20 42 | 0 21 | 22 5 | 0 55 | 23 21 | 0 29 | 17 59 | 1 37 | 14 17 | 16 37 | 23 25 | 23 25 | 19 5 | 2 5 | 5 3 | T 15 |
| F 16 | 0 57 | 23 4 | 1 24 | 9 54 | 1 54 | 9 25 | 5 4 | 18 50 | 0 59 | 20 44 | 0 21 | 22 5 | 0 55 | 23 21 | 0 28 | 18 0 | 1 37 | 14 16 | 16 37 | 23 25 | 23 25 | 19 3 | 2 6 | 5 3 | F 16 |
| S 17 | 0 33 | 23 30 | 0 20 | 10 29 | 2 1 | 9 30 | 4 53 | 19 2 | 1 0 | 20 46 | 0 21 | 22 6 | 0 55 | 23 21 | 0 28 | 18 0 | 1 37 | 14 15 | 16 37 | 23 25 | 23 25 | 19 1 | 2 7 | 5 3 | S 17 |
| S 18 | 0 10 | 22 51 | 0s43 | 11 3 | 2 7 | 9 34 | 4 41 | 19 14 | 1 0 | 20 47 | 0 21 | 22 6 | 0 55 | 23 21 | 0 28 | 18 0 | 1 37 | 14 14 | 16 37 | 23 25 | 23 25 | 18 59 | 2 8 | 5 3 | S 18 |
| M19 | 0s14 | 21 10 | 1 44 | 11 37 | 2 14 | 9 38 | 4 30 | 19 25 | 1 1 | 20 49 | 0 21 | 22 6 | 0 54 | 23 21 | 0 28 | 18 1 | 1 37 | 14 13 | 16 37 | 23 25 | 23 25 | 18 57 | 2 9 | 5 2 | M19 |
| T 20 | 0 38 | 18 34 | 2 40 | 12 9 | 2 20 | 9 41 | 4 19 | 19 37 | 1 1 | 20 51 | 0 21 | 22 7 | 0 54 | 23 21 | 0 28 | 18 1 | 1 37 | 14 12 | 16 37 | 23 25 | 23 25 | 18 55 | 2 10 | 5 2 | T 20 |
| W21 | 1 1 | 15 12 | 3 29 | 12 41 | 2 26 | 9 43 | 4 8 | 19 48 | 1 2 | 20 53 | 0 20 | 22 7 | 0 54 | 23 21 | 0 28 | 18 2 | 1 37 | 14 11 | 16 37 | 23 24 | 23 24 | 18 53 | 2 11 | 5 2 | W21 |
| T 22 | 1 25 | 11 11 | 4 10 | 13 11 | 2 32 | 9 45 | 3 57 | 19 59 | 1 2 | 20 55 | 0 20 | 22 8 | 0 54 | 23 21 | 0 28 | 18 2 | 1 37 | 14 10 | 16 37 | 23 24 | 23 24 | 18 51 | 2 13 | 5 2 | T 22 |
| F 23 | 1 49 | 6 41 | 4 40 | 13 41 | 2 38 | 9 45 | 3 46 | 20 10 | 1 3 | 20 57 | 0 20 | 22 8 | 0 54 | 23 21 | 0 28 | 18 2 | 1 37 | 14 9 | 16 37 | 23 24 | 23 24 | 18 50 | 2 14 | 5 2 | F 23 |
| S 24 | 2 13 | 1 50 | 4 57 | 14 9 | 2 43 | 9 46 | 3 35 | 20 21 | 1 3 | 20 59 | 0 20 | 22 9 | 0 54 | 23 21 | 0 28 | 18 3 | 1 37 | 14 8 | 16 37 | 23 23 | 23 24 | 18 48 | 2 15 | 5 2 | S 24 |
| S 25 | 2 36 | 3s11 | 5 0 | 14 35 | 2 48 | 9 45 | 3 25 | 20 32 | 1 3 | 21 1 | 0 20 | 22 9 | 0 53 | 23 21 | 0 28 | 18 3 | 1 37 | 14 7 | 16 37 | 23 22 | 23 24 | 18 46 | 2 16 | 5 2 | S 25 |
| M26 | 3 0 | 8 10 | 4 48 | 15 0 | 2 52 | 9 44 | 3 14 | 20 43 | 1 4 | 21 2 | 0 20 | 22 10 | 0 53 | 23 21 | 0 28 | 18 4 | 1 37 | 14 6 | 16 37 | 23 22 | 23 24 | 18 44 | 2 17 | 5 1 | M26 |
| T 27 | 3 24 | 12 52 | 4 21 | 15 24 | 2 56 | 9 42 | 3 4 | 20 53 | 1 4 | 21 4 | 0 20 | 22 10 | 0 53 | 23 21 | 0 28 | 18 4 | 1 37 | 14 6 | 16 37 | 23 21 | 23 23 | 18 42 | 2 18 | 5 1 | T 27 |
| W28 | 3 47 | 17 1 | 3 38 | 15 46 | 3 0 | 9 39 | 2 54 | 21 3 | 1 5 | 21 6 | 0 19 | 22 11 | 0 53 | 23 21 | 0 28 | 18 4 | 1 37 | 14 5 | 16 37 | 23 20 | 23 23 | 18 40 | 2 19 | 5 1 | W28 |
| T 29 | 4 11 | 20 19 | 2 43 | 16 6 | 3 3 | 9 36 | 2 44 | 21 13 | 1 5 | 21 8 | 0 19 | 22 11 | 0 53 | 23 21 | 0 28 | 18 5 | 1 37 | 14 4 | 16 37 | 23 20 | 23 23 | 18 38 | 2 20 | 5 1 | T 29 |
| F 30 | 4s34 | 22s31 | 1s38 | 16s24 | 3s 5 | 9n32 | 2s34 | 21s23 | 1s 5 | 21s10 | 0n19 | 22s12 | 0n53 | 23s21 | 0s28 | 18s 5 | 1n37 | 14n 3 | 16n37 | 23s20 | 23s23 | 18n36 | 2s21 | 5n 1 | F 30 |

Julian Day Number = 2081802.5, Delta T = 25m25s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'52, Lahiri = 9°44'52 Julian Calendar 1 Sept. 987 == Greg. Calendar 6 Sept. 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## OCTOBER 987 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 57 27 | 12♎29'44 | 17♐ 1 | 6♏24 | 29♌32 | 1♐ 0 | 6♐30 | 18♐34 | 13♑34 | 27♏17 | 2♎56 | 21°D59 | 22♐56 | 24♋56 | 12°R16 | S 1 |
| S 2 | 1 1 24 | 13°29'31 | 0♑58 | 7° 1 | 0♍12 | 1°44 | 6°41 | 18°38 | 13°35 | 27°19 | 2°59 | 21♐59 | 22°52 | 25° 3 | 12♓14 | S 2 |
| M 3 | 1 5 20 | 14°29'20 | 15° 0 | 7°34 | 0°54 | 2°28 | 6°52 | 18°43 | 13°36 | 27°21 | 3° 1 | 21°R59 | 22°49 | 25°10 | 12°11 | M 3 |
| T 4 | 1 9 17 | 15°29'10 | 29° 9 | 8° 1 | 1°37 | 3°12 | 7° 3 | 18°47 | 13°37 | 27°22 | 3° 3 | 21°59 | 22°46 | 25°16 | 12° 9 | T 4 |
| W 5 | 1 13 14 | 16°29'02 | 13♒22 | 8°22 | 2°21 | 3°57 | 7°14 | 18°51 | 13°37 | 27°24 | 3° 6 | 21°56 | 22°43 | 25°23 | 12° 7 | W 5 |
| T 6 | 1 17 10 | 17°28'56 | 27°37 | 8°36 | 3° 6 | 4°41 | 7°25 | 18°56 | 13°38 | 27°26 | 3° 8 | 21°51 | 22°40 | 25°30 | 12° 5 | T 6 |
| F 7 | 1 21 7 | 18°28'51 | 11♓52 | 8°R42 | 3°53 | 5°25 | 7°36 | 19° 0 | 13°39 | 27°28 | 3°10 | 21°43 | 22°37 | 25°36 | 12° 3 | F 7 |
| S 8 | 1 25 3 | 19°28'48 | 26° 1 | 8°41 | 4°40 | 6°10 | 7°47 | 19° 5 | 13°40 | 27°30 | 3°13 | 21°33 | 22°33 | 25°43 | 12° 1 | S 8 |
| S 9 | 1 29 0 | 20°28'47 | 10♈ 0 | 8°31 | 5°27 | 6°54 | 7°58 | 19°10 | 13°41 | 27°32 | 3°15 | 21°23 | 22°30 | 25°50 | 11°59 | S 9 |
| M10 | 1 32 56 | 21°28'48 | 23°44 | 8°13 | 6°16 | 7°39 | 8° 9 | 19°14 | 13°42 | 27°33 | 3°17 | 21°13 | 22°27 | 25°56 | 11°57 | M10 |
| T 11 | 1 36 53 | 22°28'50 | 7♉ 9 | 7°44 | 7° 6 | 8°24 | 8°21 | 19°19 | 13°44 | 27°35 | 3°19 | 21° 4 | 22°24 | 26° 3 | 11°55 | T 11 |
| W12 | 1 40 49 | 23°28'55 | 20°14 | 7° 7 | 7°56 | 9° 9 | 8°32 | 19°24 | 13°45 | 27°37 | 3°22 | 20°57 | 22°21 | 26°10 | 11°53 | W12 |
| T 13 | 1 44 46 | 24°29'02 | 2♊58 | 6°20 | 8°47 | 9°53 | 8°44 | 19°29 | 13°46 | 27°39 | 3°24 | 20°53 | 22°18 | 26°16 | 11°51 | T 13 |
| F 14 | 1 48 43 | 25°29'11 | 15°23 | 5°24 | 9°39 | 10°38 | 8°56 | 19°34 | 13°47 | 27°41 | 3°26 | 20°D52 | 22°14 | 26°23 | 11°49 | F 14 |
| S 15 | 1 52 39 | 26°29'22 | 27°33 | 4°20 | 10°32 | 11°23 | 9° 7 | 19°39 | 13°49 | 27°43 | 3°28 | 20°52 | 22°11 | 26°30 | 11°48 | S 15 |
| S 16 | 1 56 36 | 27°29'35 | 9♋30 | 3° 9 | 11°26 | 12° 8 | 9°19 | 19°44 | 13°50 | 27°45 | 3°31 | 20°53 | 22° 8 | 26°36 | 11°46 | S 16 |
| M17 | 2 0 32 | 28°29'50 | 21°21 | 1°54 | 12°20 | 12°53 | 9°31 | 19°49 | 13°51 | 27°47 | 3°33 | 20°54 | 22° 5 | 26°43 | 11°44 | M17 |
| T 18 | 2 4 29 | 29°30'08 | 3♌10 | 0°35 | 13°15 | 13°38 | 9°43 | 19°55 | 13°53 | 27°49 | 3°35 | 20°R54 | 22° 2 | 26°50 | 11°43 | T 18 |
| W19 | 2 8 25 | 0♏30'27 | 15° 3 | 29♎16 | 14°10 | 14°24 | 9°55 | 20° 0 | 13°54 | 27°51 | 3°37 | 20°53 | 21°58 | 26°56 | 11°41 | W19 |
| T 20 | 2 12 22 | 1°30'48 | 27° 5 | 27°59 | 15° 6 | 15° 9 | 10° 7 | 20° 5 | 13°56 | 27°53 | 3°39 | 20°49 | 21°55 | 27° 3 | 11°40 | T 20 |
| F 21 | 2 16 18 | 2°31'11 | 9♍20 | 26°46 | 16° 3 | 15°54 | 10°19 | 20°11 | 13°58 | 27°55 | 3°42 | 20°44 | 21°52 | 27°10 | 11°38 | F 21 |
| S 22 | 2 20 15 | 3°31'37 | 21°52 | 25°40 | 17° 0 | 16°40 | 10°32 | 20°16 | 13°59 | 27°58 | 3°44 | 20°37 | 21°49 | 27°16 | 11°37 | S 22 |
| S 23 | 2 24 11 | 4°32'04 | 4♎43 | 24°43 | 17°57 | 17°25 | 10°44 | 20°22 | 14° 1 | 28° 0 | 3°46 | 20°28 | 21°46 | 27°23 | 11°35 | S 23 |
| M24 | 2 28 8 | 5°32'33 | 17°54 | 23°56 | 18°56 | 18°10 | 10°56 | 20°28 | 14° 3 | 28° 2 | 3°48 | 20°20 | 21°43 | 27°30 | 11°34 | M24 |
| T 25 | 2 32 5 | 6°33'03 | 1♏23 | 23°21 | 19°54 | 18°56 | 11° 9 | 20°33 | 14° 4 | 28° 4 | 3°50 | 20°13 | 21°39 | 27°36 | 11°33 | T 25 |
| W26 | 2 36 1 | 7°33'36 | 15°10 | 22°57 | 20°54 | 19°42 | 11°21 | 20°39 | 14° 6 | 28° 6 | 3°52 | 20° 7 | 21°36 | 27°43 | 11°31 | W26 |
| T 27 | 2 39 58 | 8°34'10 | 29° 9 | 22°44 | 21°53 | 20°27 | 11°34 | 20°45 | 14° 8 | 28° 8 | 3°54 | 20° 3 | 21°33 | 27°50 | 11°30 | T 27 |
| F 28 | 2 43 54 | 9°34'45 | 13♐17 | 22°D44 | 22°53 | 21°13 | 11°46 | 20°51 | 14°10 | 28°10 | 3°56 | 20°D 1 | 21°30 | 27°56 | 11°29 | F 28 |
| S 29 | 2 47 51 | 10°35'22 | 27°31 | 22°53 | 23°54 | 21°59 | 11°59 | 20°57 | 14°12 | 28°13 | 3°58 | 20° 1 | 21°27 | 28° 3 | 11°28 | S 29 |
| S 30 | 2 51 47 | 11°36'01 | 11♑45 | 23°14 | 24°55 | 22°45 | 12°12 | 21° 3 | 14°14 | 28°15 | 4° 0 | 20° 2 | 21°23 | 28°10 | 11°27 | S 30 |
| M31 | 2 55 44 | 12♏36'40 | 25♑59 | 23♎43 | 25♍57 | 23♐31 | 12♐25 | 21♐ 9 | 14♑16 | 28♏17 | 4♎ 2 | 20♐ 3 | 21♐20 | 28♋16 | 11♓26 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 4s58 | 23s22 | 0s26 | 16s40 | 3s 7 | 9n27 | 2s24 | 21s33 | 1s 6 | 21s12 | 0n19 | 22s12 | 0n53 | 23s21 | 0s28 | 18s 6 | 1n37 | 14n 2 | 16n37 | 23s20 | 23s23 | 18n34 | 2s22 | 5n 0 |
| S 2 | 5 21 | 22 46 | 0n48 | 16 53 | 3 8 | 9 22 | 2 15 | 21 42 | 1 6 | 21 14 | 0 19 | 22 13 | 0 52 | 23 20 | 0 28 | 18 6 | 1 36 | 14 1 | 16 37 | 23 20 | 23 23 | 18 32 | 2 23 | 5 0 |
| M 3 | 5 44 | 20 45 | 1 59 | 17 4 | 3 8 | 9 16 | 2 5 | 21 51 | 1 7 | 21 16 | 0 19 | 22 13 | 0 52 | 23 20 | 0 28 | 18 6 | 1 36 | 14 1 | 16 38 | 23 20 | 23 22 | 18 30 | 2 24 | 5 0 |
| T 4 | 6 8 | 17 26 | 3 4 | 17 13 | 3 7 | 9 9 | 1 56 | 22 0 | 1 7 | 21 18 | 0 19 | 22 14 | 0 52 | 23 20 | 0 28 | 18 7 | 1 36 | 14 0 | 16 38 | 23 20 | 23 22 | 18 28 | 2 25 | 5 0 |
| W 5 | 6 31 | 13 6 | 3 58 | 17 18 | 3 6 | 9 2 | 1 47 | 22 9 | 1 7 | 21 20 | 0 18 | 22 14 | 0 52 | 23 20 | 0 28 | 18 7 | 1 36 | 13 59 | 16 38 | 23 19 | 23 22 | 18 27 | 2 26 | 5 0 |
| T 6 | 6 54 | 8 1 | 4 37 | 17 20 | 3 3 | 8 54 | 1 38 | 22 18 | 1 8 | 21 22 | 0 18 | 22 15 | 0 52 | 23 20 | 0 28 | 18 8 | 1 36 | 13 58 | 16 38 | 23 19 | 23 22 | 18 25 | 2 27 | 4 59 |
| F 7 | 7 17 | 2 32 | 4 59 | 17 18 | 2 59 | 8 46 | 1 29 | 22 26 | 1 8 | 21 24 | 0 18 | 22 15 | 0 52 | 23 20 | 0 28 | 18 8 | 1 36 | 13 57 | 16 38 | 23 19 | 23 22 | 18 23 | 2 28 | 4 59 |
| S 8 | 7 40 | 3n 2 | 5 3 | 17 13 | 2 53 | 8 37 | 1 20 | 22 34 | 1 8 | 21 26 | 0 18 | 22 16 | 0 52 | 23 20 | 0 28 | 18 9 | 1 36 | 13 57 | 16 38 | 23 18 | 23 22 | 18 21 | 2 29 | 4 59 |
| S 9 | 8 3 | 8 23 | 4 48 | 17 3 | 2 47 | 8 27 | 1 12 | 22 42 | 1 9 | 21 28 | 0 18 | 22 16 | 0 51 | 23 20 | 0 28 | 18 9 | 1 36 | 13 56 | 16 38 | 23 17 | 23 21 | 18 19 | 2 30 | 4 59 |
| M10 | 8 25 | 13 14 | 4 17 | 16 49 | 2 38 | 8 17 | 1 4 | 22 50 | 1 9 | 21 30 | 0 18 | 22 17 | 0 51 | 23 20 | 0 28 | 18 10 | 1 36 | 13 55 | 16 39 | 23 17 | 23 21 | 18 17 | 2 31 | 4 59 |
| T 11 | 8 48 | 17 18 | 3 32 | 16 30 | 2 28 | 8 6 | 0 55 | 22 58 | 1 9 | 21 32 | 0 18 | 22 17 | 0 51 | 23 19 | 0 28 | 18 10 | 1 36 | 13 54 | 16 39 | 23 16 | 23 21 | 18 15 | 2 32 | 4 58 |
| W12 | 9 10 | 20 25 | 2 36 | 16 6 | 2 16 | 7 54 | 0 47 | 23 5 | 1 9 | 21 34 | 0 17 | 22 18 | 0 51 | 23 19 | 0 28 | 18 11 | 1 36 | 13 54 | 16 39 | 23 16 | 23 21 | 18 13 | 2 33 | 4 58 |
| T 13 | 9 32 | 22 25 | 1 35 | 15 38 | 2 2 | 7 42 | 0 40 | 23 12 | 1 10 | 21 36 | 0 17 | 22 18 | 0 51 | 23 19 | 0 28 | 18 11 | 1 36 | 13 53 | 16 39 | 23 15 | 23 21 | 18 11 | 2 34 | 4 58 |
| F 14 | 9 54 | 23 15 | 0 29 | 15 4 | 1 47 | 7 30 | 0 32 | 23 19 | 1 10 | 21 38 | 0 17 | 22 19 | 0 51 | 23 19 | 0 28 | 18 12 | 1 36 | 13 52 | 16 39 | 23 15 | 23 20 | 18 9 | 2 35 | 4 58 |
| S 15 | 10 16 | 22 57 | 0s36 | 14 27 | 1 30 | 7 17 | 0 25 | 23 26 | 1 10 | 21 39 | 0 17 | 22 19 | 0 51 | 23 19 | 0 28 | 18 12 | 1 36 | 13 52 | 16 40 | 23 15 | 23 20 | 18 7 | 2 36 | 4 57 |
| S 16 | 10 38 | 21 35 | 1 39 | 13 45 | 1 11 | 7 3 | 0 17 | 23 32 | 1 11 | 21 41 | 0 17 | 22 20 | 0 50 | 23 19 | 0 28 | 18 13 | 1 36 | 13 51 | 16 40 | 23 15 | 23 20 | 18 5 | 2 37 | 4 57 |
| M17 | 11 0 | 19 17 | 2 37 | 13 0 | 0 52 | 6 49 | 0 10 | 23 38 | 1 11 | 21 43 | 0 17 | 22 20 | 0 50 | 23 18 | 0 28 | 18 13 | 1 36 | 13 50 | 16 40 | 23 15 | 23 20 | 18 3 | 2 37 | 4 57 |
| T 18 | 11 21 | 16 11 | 3 28 | 12 14 | 0 31 | 6 34 | 0 3 | 23 44 | 1 11 | 21 45 | 0 17 | 22 21 | 0 50 | 23 18 | 0 28 | 18 13 | 1 36 | 13 50 | 16 40 | 23 15 | 23 20 | 18 1 | 2 38 | 4 57 |
| W19 | 11 43 | 12 25 | 4 10 | 11 26 | 0 11 | 6 19 | 0n 3 | 23 50 | 1 11 | 21 47 | 0 17 | 22 22 | 0 50 | 23 18 | 0 28 | 18 14 | 1 36 | 13 49 | 16 41 | 23 15 | 23 20 | 17 59 | 2 39 | 4 56 |
| T 20 | 12 4 | 8 8 | 4 42 | 10 40 | 0n10 | 6 3 | 0 10 | 23 55 | 1 11 | 21 49 | 0 16 | 22 22 | 0 50 | 23 18 | 0 28 | 18 14 | 1 36 | 13 48 | 16 41 | 23 15 | 23 19 | 17 57 | 2 40 | 4 56 |
| F 21 | 12 25 | 3 27 | 5 2 | 9 55 | 0 30 | 5 47 | 0 17 | 24 0 | 1 12 | 21 51 | 0 16 | 22 23 | 0 50 | 23 18 | 0 28 | 18 15 | 1 36 | 13 48 | 16 41 | 23 15 | 23 19 | 17 55 | 2 41 | 4 56 |
| S 22 | 12 46 | 1s28 | 5 8 | 9 13 | 0 49 | 5 31 | 0 23 | 24 5 | 1 12 | 21 53 | 0 16 | 22 23 | 0 50 | 23 18 | 0 28 | 18 15 | 1 36 | 13 47 | 16 41 | 23 14 | 23 19 | 17 53 | 2 42 | 4 56 |
| S 23 | 13 6 | 6 27 | 4 59 | 8 36 | 1 7 | 5 14 | 0 29 | 24 10 | 1 12 | 21 55 | 0 16 | 22 24 | 0 50 | 23 17 | 0 28 | 18 16 | 1 36 | 13 47 | 16 42 | 23 14 | 23 19 | 17 51 | 2 42 | 4 55 |
| M24 | 13 26 | 11 16 | 4 34 | 8 4 | 1 23 | 4 56 | 0 35 | 24 14 | 1 12 | 21 57 | 0 16 | 22 24 | 0 49 | 23 17 | 0 28 | 18 16 | 1 36 | 13 46 | 16 42 | 23 13 | 23 19 | 17 49 | 2 43 | 4 55 |
| T 25 | 13 47 | 15 39 | 3 53 | 7 37 | 1 37 | 4 39 | 0 41 | 24 19 | 1 12 | 21 58 | 0 16 | 22 25 | 0 49 | 23 17 | 0 28 | 18 17 | 1 36 | 13 46 | 16 42 | 23 12 | 23 18 | 17 47 | 2 44 | 4 55 |
| W26 | 14 7 | 19 18 | 2 58 | 7 17 | 1 49 | 4 20 | 0 46 | 24 22 | 1 13 | 22 0 | 0 16 | 22 25 | 0 49 | 23 17 | 0 28 | 18 17 | 1 36 | 13 45 | 16 43 | 23 12 | 23 18 | 17 45 | 2 45 | 4 54 |
| T 27 | 14 26 | 21 53 | 1 51 | 7 3 | 1 59 | 4 2 | 0 52 | 24 26 | 1 13 | 22 2 | 0 16 | 22 26 | 0 49 | 23 17 | 0 28 | 18 18 | 1 36 | 13 45 | 16 43 | 23 12 | 23 18 | 17 43 | 2 45 | 4 54 |
| F 28 | 14 46 | 23 7 | 0 36 | 6 55 | 2 8 | 3 43 | 0 57 | 24 29 | 1 13 | 22 4 | 0 15 | 22 26 | 0 49 | 23 16 | 0 28 | 18 18 | 1 36 | 13 44 | 16 43 | 23 12 | 23 18 | 17 41 | 2 46 | 4 54 |
| S 29 | 15 5 | 22 52 | 0n41 | 6 52 | 2 14 | 3 23 | 1 2 | 24 33 | 1 13 | 22 6 | 0 15 | 22 27 | 0 49 | 23 16 | 0 28 | 18 19 | 1 36 | 13 44 | 16 44 | 23 12 | 23 18 | 17 39 | 2 47 | 4 54 |
| S 30 | 15 24 | 21 8 | 1 56 | 6 55 | 2 19 | 3 3 | 1 7 | 24 35 | 1 13 | 22 8 | 0 15 | 22 27 | 0 49 | 23 16 | 0 28 | 18 19 | 1 36 | 13 43 | 16 44 | 23 12 | 23 17 | 17 37 | 2 47 | 4 53 |
| M31 | 15s42 | 18s 4 | 3n 3 | 7s 3 | 2n23 | 2n43 | 1n12 | 24s38 | 1s13 | 22s 9 | 0n15 | 22s28 | 0n49 | 23s16 | 0s28 | 18s20 | 1n36 | 13n43 | 16n44 | 23s12 | 23s17 | 17n35 | 2s48 | 4n53 |

Julian Day Number = 2081832.5, Delta T = 25m24s
Ecliptic obliquity = 23°34'13, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°37'56, Lahiri = 9°44'56 Julian Calendar 1 Oct. 987 == Greg. Calendar 6 Oct. 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## NOVEMBER 987 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 2 59 41 | 13♏37'21 | 10♒ 9 | 24♎20 | 26♍58 | 24♐16 | 12♐38 | 21♐15 | 14♑18 | 28♏19 | 4♎ 4 | 20°R 4 | 21♐17 | 28♋23 | 11°R25 | T 1 |
| W 2 | 3 3 37 | 14°38'03 | 24°15 | 25° 5 | 28° 1 | 25° 2 | 12°50 | 21°21 | 14°21 | 28°21 | 4° 6 | 20♐ 4 | 21°14 | 28°30 | 11♓24 | W 2 |
| T 3 | 3 7 34 | 15°38'45 | 8♓14 | 25°57 | 29° 3 | 25°49 | 13° 3 | 21°27 | 14°23 | 28°24 | 4° 8 | 20° 2 | 21°11 | 28°36 | 11°23 | T 3 |
| F 4 | 3 11 30 | 16°39'29 | 22° 5 | 26°54 | 0♎ 6 | 26°35 | 13°16 | 21°33 | 14°25 | 28°26 | 4°10 | 19°58 | 21° 8 | 28°43 | 11°23 | F 4 |
| S 5 | 3 15 27 | 17°40'14 | 5♈47 | 27°57 | 1° 9 | 27°21 | 13°29 | 21°39 | 14°27 | 28°28 | 4°12 | 19°54 | 21° 4 | 28°50 | 11°22 | S 5 |
| S 6 | 3 19 23 | 18°41'00 | 19°18 | 29° 4 | 2°13 | 28° 7 | 13°43 | 21°46 | 14°30 | 28°30 | 4°14 | 19°48 | 21° 1 | 28°56 | 11°21 | S 6 |
| M 7 | 3 23 20 | 19°41'48 | 2♉36 | 0♏14 | 3°17 | 28°53 | 13°56 | 21°52 | 14°32 | 28°32 | 4°15 | 19°43 | 20°58 | 29° 3 | 11°20 | M 7 |
| T 8 | 3 27 16 | 20°42'36 | 15°39 | 1°28 | 4°21 | 29°39 | 14° 9 | 21°58 | 14°34 | 28°35 | 4°17 | 19°39 | 20°55 | 29°10 | 11°20 | T 8 |
| W 9 | 3 31 13 | 21°43'26 | 28°27 | 2°45 | 5°26 | 0♑26 | 14°22 | 22° 5 | 14°37 | 28°37 | 4°19 | 19°36 | 20°52 | 29°16 | 11°19 | W 9 |
| T 10 | 3 35 9 | 22°44'17 | 11♊ 0 | 4° 4 | 6°31 | 1°12 | 14°35 | 22°11 | 14°39 | 28°39 | 4°21 | 19°34 | 20°49 | 29°23 | 11°19 | T 10 |
| F 11 | 3 39 6 | 23°45'10 | 23°18 | 5°25 | 7°36 | 1°58 | 14°49 | 22°18 | 14°42 | 28°41 | 4°23 | 19°D34 | 20°45 | 29°30 | 11°19 | F 11 |
| S 12 | 3 43 3 | 24°46'04 | 5♋24 | 6°48 | 8°42 | 2°45 | 15° 2 | 22°24 | 14°44 | 28°44 | 4°24 | 19°35 | 20°42 | 29°36 | 11°18 | S 12 |
| S 13 | 3 46 59 | 25°46'59 | 17°21 | 8°12 | 9°48 | 3°31 | 15°15 | 22°31 | 14°47 | 28°46 | 4°26 | 19°36 | 20°39 | 29°43 | 11°18 | S 13 |
| M14 | 3 50 56 | 26°47'55 | 29°11 | 9°38 | 10°54 | 4°18 | 15°29 | 22°37 | 14°49 | 28°48 | 4°28 | 19°38 | 20°36 | 29°50 | 11°18 | M14 |
| T 15 | 3 54 52 | 27°48'53 | 11♌ 1 | 11° 4 | 12° 0 | 5° 4 | 15°42 | 22°44 | 14°52 | 28°51 | 4°29 | 19°40 | 20°33 | 29°56 | 11°18 | T 15 |
| W16 | 3 58 49 | 28°49'51 | 22°53 | 12°32 | 13° 7 | 5°51 | 15°56 | 22°50 | 14°55 | 28°53 | 4°31 | 19°41 | 20°29 | 0♌ 3 | 11°17 | W16 |
| T 17 | 4 2 45 | 29°50'51 | 4♍54 | 14° 0 | 14°14 | 6°37 | 16° 9 | 22°57 | 14°57 | 28°55 | 4°32 | 19°R41 | 20°26 | 0°10 | 11°17 | T 17 |
| F 18 | 4 6 42 | 0♐51'53 | 17° 7 | 15°29 | 15°21 | 7°24 | 16°23 | 23° 4 | 15° 0 | 28°57 | 4°34 | 19°40 | 20°23 | 0°17 | 11°D17 | F 18 |
| S 19 | 4 10 39 | 1°52'55 | 29°38 | 16°58 | 16°28 | 8°11 | 16°36 | 23°11 | 15° 3 | 29° 0 | 4°35 | 19°38 | 20°20 | 0°23 | 11°17 | S 19 |
| S 20 | 4 14 35 | 2°53'59 | 12♎30 | 18°28 | 17°35 | 8°57 | 16°50 | 23°17 | 15° 6 | 29° 2 | 4°37 | 19°36 | 20°17 | 0°30 | 11°18 | S 20 |
| M21 | 4 18 32 | 3°55'03 | 25°46 | 19°59 | 18°43 | 9°44 | 17° 4 | 23°24 | 15° 9 | 29° 4 | 4°38 | 19°34 | 20°14 | 0°37 | 11°18 | M21 |
| T 22 | 4 22 28 | 4°56'09 | 9♏25 | 21°29 | 19°51 | 10°31 | 17°17 | 23°31 | 15°12 | 29° 6 | 4°40 | 19°31 | 20°10 | 0°43 | 11°18 | T 22 |
| W23 | 4 26 25 | 5°57'16 | 23°27 | 23° 1 | 20°59 | 11°18 | 17°31 | 23°38 | 15°14 | 29° 9 | 4°41 | 19°30 | 20° 7 | 0°50 | 11°18 | W23 |
| T 24 | 4 30 21 | 6°58'23 | 7♐48 | 24°32 | 22° 8 | 12° 5 | 17°45 | 23°45 | 15°17 | 29°11 | 4°43 | 19°29 | 20° 4 | 0°57 | 11°19 | T 24 |
| F 25 | 4 34 18 | 7°59'31 | 22°23 | 26° 3 | 23°16 | 12°51 | 17°58 | 23°52 | 15°20 | 29°13 | 4°44 | 19°D29 | 20° 1 | 1° 3 | 11°19 | F 25 |
| S 26 | 4 38 14 | 9° 0'40 | 7♑ 5 | 27°35 | 24°25 | 13°38 | 18°12 | 23°58 | 15°23 | 29°15 | 4°45 | 19°29 | 19°58 | 1°10 | 11°19 | S 26 |
| S 27 | 4 42 11 | 10° 1'50 | 21°48 | 29° 7 | 25°34 | 14°25 | 18°26 | 24° 5 | 15°26 | 29°18 | 4°47 | 19°30 | 19°55 | 1°17 | 11°20 | S 27 |
| M28 | 4 46 8 | 11° 2'59 | 6♒25 | 0♐40 | 26°43 | 15°12 | 18°40 | 24°12 | 15°29 | 29°20 | 4°48 | 19°31 | 19°51 | 1°23 | 11°20 | M28 |
| T 29 | 4 50 4 | 12° 4'09 | 20°51 | 2°12 | 27°52 | 15°59 | 18°54 | 24°19 | 15°32 | 29°22 | 4°49 | 19°31 | 19°48 | 1°30 | 11°21 | T 29 |
| W30 | 4 54 1 | 13♐ 5'19 | 5♓ 3 | 3♐45 | 29♎ 1 | 16♑46 | 19♐ 7 | 24♐26 | 15♑36 | 29♏24 | 4♎50 | 19♐32 | 19♐45 | 1♌37 | 11♓22 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s 1 | 13s57 | 4n 0 | 7s15 | 2n25 | 2n23 | 1n17 | 24s40 | 1s14 | 22s11 | 0n15 | 22s28 | 0n49 | 23s15 | 0s28 | 18s20 | 1n36 | 13n42 | 16n45 | 23s12 | 23s17 | 17n33 | 2s49 | 4n53 |
| W 2 | 16 19 | 9 5 | 4 41 | 7 31 | 2 25 | 2 2 | 1 21 | 24 42 | 1 14 | 22 13 | 0 15 | 22 29 | 0 48 | 23 15 | 0 28 | 18 21 | 1 36 | 13 42 | 16 45 | 23 12 | 23 17 | 17 31 | 2 49 | 4 52 |
| T 3 | 16 37 | 3 48 | 5 5 | 7 50 | 2 25 | 1 41 | 1 26 | 24 44 | 1 14 | 22 15 | 0 15 | 22 29 | 0 48 | 23 15 | 0 28 | 18 21 | 1 36 | 13 41 | 16 45 | 23 12 | 23 16 | 17 29 | 2 50 | 4 52 |
| F 4 | 16 54 | 1n37 | 5 12 | 8 12 | 2 23 | 1 20 | 1 30 | 24 45 | 1 14 | 22 16 | 0 15 | 22 30 | 0 48 | 23 15 | 0 28 | 18 22 | 1 36 | 13 41 | 16 46 | 23 11 | 23 16 | 17 27 | 2 50 | 4 52 |
| S 5 | 17 12 | 6 54 | 5 0 | 8 36 | 2 21 | 0 58 | 1 34 | 24 47 | 1 14 | 22 18 | 0 14 | 22 30 | 0 48 | 23 14 | 0 28 | 18 22 | 1 36 | 13 41 | 16 46 | 23 11 | 23 16 | 17 25 | 2 51 | 4 52 |
| S 6 | 17 29 | 11 47 | 4 32 | 9 3 | 2 18 | 0 36 | 1 38 | 24 47 | 1 14 | 22 20 | 0 14 | 22 31 | 0 48 | 23 14 | 0 28 | 18 23 | 1 35 | 13 40 | 16 47 | 23 11 | 23 16 | 17 23 | 2 51 | 4 51 |
| M 7 | 17 45 | 16 1 | 3 49 | 9 31 | 2 14 | 0 14 | 1 41 | 24 48 | 1 14 | 22 22 | 0 14 | 22 31 | 0 48 | 23 14 | 0 28 | 18 23 | 1 35 | 13 40 | 16 47 | 23 10 | 23 16 | 17 21 | 2 52 | 4 51 |
| T 8 | 18 2 | 19 25 | 2 55 | 10 1 | 2 10 | 0s 8 | 1 45 | 24 48 | 1 14 | 22 23 | 0 14 | 22 32 | 0 48 | 23 14 | 0 28 | 18 24 | 1 35 | 13 40 | 16 47 | 23 10 | 23 15 | 17 19 | 2 52 | 4 51 |
| W 9 | 18 18 | 21 46 | 1 53 | 10 32 | 2 5 | 0 31 | 1 48 | 24 48 | 1 14 | 22 25 | 0 14 | 22 32 | 0 48 | 23 13 | 0 28 | 18 25 | 1 35 | 13 39 | 16 48 | 23 10 | 23 15 | 17 17 | 2 53 | 4 50 |
| T 10 | 18 33 | 22 59 | 0 47 | 11 4 | 2 0 | 0 54 | 1 52 | 24 48 | 1 14 | 22 27 | 0 14 | 22 33 | 0 48 | 23 13 | 0 28 | 18 25 | 1 35 | 13 39 | 16 48 | 23 9 | 23 15 | 17 15 | 2 53 | 4 50 |
| F 11 | 18 49 | 23 3 | 0s21 | 11 36 | 1 54 | 1 17 | 1 55 | 24 48 | 1 14 | 22 28 | 0 14 | 22 33 | 0 47 | 23 13 | 0 28 | 18 26 | 1 35 | 13 39 | 16 49 | 23 9 | 23 15 | 17 13 | 2 54 | 4 50 |
| S 12 | 19 4 | 22 1 | 1 26 | 12 9 | 1 48 | 1 40 | 1 58 | 24 47 | 1 14 | 22 30 | 0 14 | 22 34 | 0 47 | 23 12 | 0 28 | 18 26 | 1 35 | 13 38 | 16 49 | 23 10 | 23 15 | 17 11 | 2 54 | 4 49 |
| S 13 | 19 19 | 20 0 | 2 27 | 12 43 | 1 42 | 2 3 | 2 1 | 24 46 | 1 14 | 22 31 | 0 14 | 22 34 | 0 47 | 23 12 | 0 28 | 18 27 | 1 35 | 13 38 | 16 50 | 23 10 | 23 14 | 17 9 | 2 55 | 4 49 |
| M14 | 19 33 | 17 9 | 3 21 | 13 16 | 1 35 | 2 27 | 2 3 | 24 44 | 1 14 | 22 33 | 0 13 | 22 35 | 0 47 | 23 12 | 0 28 | 18 27 | 1 35 | 13 38 | 16 50 | 23 10 | 23 14 | 17 7 | 2 55 | 4 49 |
| T 15 | 19 47 | 13 36 | 4 7 | 13 50 | 1 29 | 2 50 | 2 6 | 24 43 | 1 14 | 22 35 | 0 13 | 22 35 | 0 47 | 23 12 | 0 28 | 18 28 | 1 35 | 13 38 | 16 50 | 23 10 | 23 14 | 17 5 | 2 55 | 4 49 |
| W16 | 20 0 | 9 31 | 4 42 | 14 23 | 1 22 | 3 14 | 2 8 | 24 41 | 1 14 | 22 36 | 0 13 | 22 36 | 0 47 | 23 11 | 0 28 | 18 28 | 1 35 | 13 37 | 16 51 | 23 10 | 23 14 | 17 2 | 2 56 | 4 48 |
| T 17 | 20 14 | 5 2 | 5 6 | 14 56 | 1 15 | 3 38 | 2 10 | 24 39 | 1 14 | 22 38 | 0 13 | 22 36 | 0 47 | 23 11 | 0 28 | 18 29 | 1 35 | 13 37 | 16 51 | 23 10 | 23 13 | 17 0 | 2 56 | 4 48 |
| F 18 | 20 27 | 0 16 | 5 16 | 15 29 | 1 8 | 4 2 | 2 13 | 24 36 | 1 14 | 22 39 | 0 13 | 22 37 | 0 47 | 23 11 | 0 28 | 18 29 | 1 35 | 13 37 | 16 52 | 23 10 | 23 13 | 16 58 | 2 56 | 4 48 |
| S 19 | 20 39 | 4s36 | 5 11 | 16 2 | 1 1 | 4 26 | 2 15 | 24 33 | 1 14 | 22 41 | 0 13 | 22 37 | 0 47 | 23 10 | 0 28 | 18 30 | 1 35 | 13 37 | 16 52 | 23 10 | 23 13 | 16 56 | 2 56 | 4 47 |
| S 20 | 20 51 | 9 26 | 4 51 | 16 34 | 0 53 | 4 50 | 2 16 | 24 30 | 1 14 | 22 42 | 0 13 | 22 37 | 0 47 | 23 10 | 0 28 | 18 30 | 1 35 | 13 37 | 16 53 | 23 10 | 23 13 | 16 54 | 2 57 | 4 47 |
| M21 | 21 3 | 13 58 | 4 15 | 17 5 | 0 46 | 5 15 | 2 18 | 24 27 | 1 14 | 22 44 | 0 13 | 22 38 | 0 46 | 23 10 | 0 28 | 18 30 | 1 35 | 13 37 | 16 53 | 23 9 | 23 12 | 16 52 | 2 57 | 4 47 |
| T 22 | 21 14 | 17 56 | 3 24 | 17 36 | 0 39 | 5 39 | 2 20 | 24 23 | 1 14 | 22 45 | 0 13 | 22 38 | 0 46 | 23 9 | 0 28 | 18 31 | 1 35 | 13 37 | 16 54 | 23 9 | 23 12 | 16 50 | 2 57 | 4 46 |
| W23 | 21 25 | 20 59 | 2 19 | 18 7 | 0 32 | 6 3 | 2 21 | 24 19 | 1 14 | 22 46 | 0 13 | 22 39 | 0 46 | 23 9 | 0 27 | 18 31 | 1 35 | 13 36 | 16 54 | 23 9 | 23 12 | 16 48 | 2 57 | 4 46 |
| T 24 | 21 36 | 22 47 | 1 4 | 18 36 | 0 25 | 6 28 | 2 22 | 24 15 | 1 14 | 22 48 | 0 12 | 22 39 | 0 46 | 23 9 | 0 27 | 18 32 | 1 35 | 13 36 | 16 55 | 23 9 | 23 12 | 16 46 | 2 57 | 4 46 |
| F 25 | 21 46 | 23 5 | 0n16 | 19 5 | 0 18 | 6 52 | 2 24 | 24 11 | 1 14 | 22 49 | 0 12 | 22 40 | 0 46 | 23 8 | 0 27 | 18 32 | 1 35 | 13 36 | 16 55 | 23 9 | 23 12 | 16 44 | 2 58 | 4 45 |
| S 26 | 21 55 | 21 47 | 1 36 | 19 34 | 0 10 | 7 16 | 2 25 | 24 6 | 1 14 | 22 50 | 0 12 | 22 40 | 0 46 | 23 8 | 0 27 | 18 33 | 1 35 | 13 36 | 16 56 | 23 9 | 23 11 | 16 42 | 2 58 | 4 45 |
| S 27 | 22 5 | 19 0 | 2 50 | 20 1 | 0 3 | 7 41 | 2 25 | 24 1 | 1 14 | 22 52 | 0 12 | 22 40 | 0 46 | 23 8 | 0 27 | 18 33 | 1 35 | 13 36 | 16 56 | 23 9 | 23 11 | 16 40 | 2 58 | 4 45 |
| M28 | 22 13 | 15 1 | 3 52 | 20 27 | 0s 3 | 8 5 | 2 26 | 23 55 | 1 14 | 22 53 | 0 12 | 22 41 | 0 46 | 23 7 | 0 27 | 18 34 | 1 35 | 13 36 | 16 57 | 23 9 | 23 11 | 16 38 | 2 58 | 4 45 |
| T 29 | 22 22 | 10 13 | 4 39 | 20 53 | 0 10 | 8 29 | 2 27 | 23 50 | 1 14 | 22 54 | 0 12 | 22 41 | 0 46 | 23 7 | 0 27 | 18 34 | 1 35 | 13 36 | 16 57 | 23 9 | 23 11 | 16 35 | 2 58 | 4 44 |
| W30 | 22s30 | 4s56 | 5n 8 | 21s18 | 0s17 | 8s53 | 2n27 | 23s44 | 1s14 | 22s56 | 0n12 | 22s42 | 0n46 | 23s 6 | 0s27 | 18s35 | 1n35 | 13n36 | 16n58 | 23s 9 | 23s10 | 16n33 | 2s58 | 4n44 |

Julian Day Number = 2081863.5, Delta T = 25m24s
Ecliptic obliquity = 23°34'12, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'00, Lahiri = 9°45'00 Julian Calendar 1 Nov. 987 == Greg. Calendar 6 Nov. 987


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# ASTRODIENST EPHEMERIS for the year 987
# geocentric

## DECEMBER 987 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 57 57 | 14♐ 6'29 | 19♓ 0 | 5♐17 | 0♏11 | 17♑33 | 19♐21 | 24♐33 | 15♑39 | 29♏27 | 4♎51 | 19°R32 | 19♐42 | 1♌43 | 11♓22 | T 1 |
| F 2 | 5 1 54 | 15° 7'40 | 2♈39 | 6°50 | 1°21 | 18°20 | 19°35 | 24°40 | 15°42 | 29°29 | 4°52 | 19♐32 | 19°39 | 1°50 | 11°23 | F 2 |
| S 3 | 5 5 50 | 16° 8'50 | 16° 3 | 8°23 | 2°30 | 19° 7 | 19°49 | 24°47 | 15°45 | 29°31 | 4°54 | 19°31 | 19°35 | 1°57 | 11°24 | S 3 |
| S 4 | 5 9 47 | 17°10'01 | 29°10 | 9°57 | 3°40 | 19°54 | 20° 3 | 24°54 | 15°48 | 29°33 | 4°55 | 19°31 | 19°32 | 2° 3 | 11°25 | S 4 |
| M 5 | 5 13 43 | 18°11'11 | 12♉ 4 | 11°30 | 4°50 | 20°42 | 20°16 | 25° 1 | 15°51 | 29°35 | 4°56 | 19°31 | 19°29 | 2°10 | 11°26 | M 5 |
| T 6 | 5 17 40 | 19°12'22 | 24°44 | 13° 4 | 6° 1 | 21°29 | 20°30 | 25° 8 | 15°55 | 29°37 | 4°57 | 19°D31 | 19°26 | 2°17 | 11°27 | T 6 |
| W 7 | 5 21 37 | 20°13'33 | 7♊12 | 14°38 | 7°11 | 22°16 | 20°44 | 25°15 | 15°58 | 29°40 | 4°58 | 19°31 | 19°23 | 2°23 | 11°28 | W 7 |
| T 8 | 5 25 33 | 21°14'44 | 19°29 | 16°13 | 8°22 | 23° 3 | 20°58 | 25°22 | 16° 1 | 29°42 | 4°58 | 19°R31 | 19°20 | 2°30 | 11°29 | T 8 |
| F 9 | 5 29 30 | 22°15'56 | 1♋37 | 17°47 | 9°32 | 23°50 | 21°12 | 25°30 | 16° 5 | 29°44 | 4°59 | 19°31 | 19°16 | 2°37 | 11°30 | F 9 |
| S 10 | 5 33 26 | 23°17'07 | 13°37 | 19°22 | 10°43 | 24°37 | 21°26 | 25°37 | 16° 8 | 29°46 | 5° 0 | 19°30 | 19°13 | 2°44 | 11°31 | S 10 |
| S 11 | 5 37 23 | 24°18'19 | 25°31 | 20°57 | 11°54 | 25°24 | 21°40 | 25°44 | 16°11 | 29°48 | 5° 1 | 19°30 | 19°10 | 2°50 | 11°33 | S 11 |
| M12 | 5 41 19 | 25°19'31 | 7♌21 | 22°33 | 13° 5 | 26°12 | 21°53 | 25°51 | 16°15 | 29°50 | 5° 2 | 19°29 | 19° 7 | 2°57 | 11°34 | M12 |
| T 13 | 5 45 16 | 26°20'43 | 19°11 | 24° 9 | 14°16 | 26°59 | 22° 7 | 25°58 | 16°18 | 29°52 | 5° 3 | 19°28 | 19° 4 | 3° 4 | 11°35 | T 13 |
| W14 | 5 49 12 | 27°21'55 | 1♍ 3 | 25°45 | 15°27 | 27°46 | 22°21 | 26° 5 | 16°21 | 29°54 | 5° 3 | 19°27 | 19° 1 | 3°10 | 11°37 | W14 |
| T 15 | 5 53 9 | 28°23'07 | 13° 2 | 27°21 | 16°38 | 28°33 | 22°35 | 26°12 | 16°25 | 29°56 | 5° 4 | 19°26 | 18°57 | 3°17 | 11°38 | T 15 |
| F 16 | 5 57 6 | 29°24'19 | 25°13 | 28°58 | 17°49 | 29°21 | 22°49 | 26°19 | 16°28 | 29°58 | 5° 5 | 19°D26 | 18°54 | 3°24 | 11°40 | F 16 |
| S 17 | 6 1 2 | 0♑25'32 | 7♎39 | 0♑36 | 19° 1 | 0♒ 8 | 23° 3 | 26°26 | 16°31 | 0♐ 0 | 5° 5 | 19°26 | 18°51 | 3°30 | 11°41 | S 17 |
| S 18 | 6 4 59 | 1°26'45 | 20°24 | 2°13 | 20°12 | 0°55 | 23°16 | 26°33 | 16°35 | 0° 3 | 5° 6 | 19°27 | 18°48 | 3°37 | 11°43 | S 18 |
| M19 | 6 8 55 | 2°27'57 | 3♏34 | 3°51 | 21°24 | 1°42 | 23°30 | 26°40 | 16°38 | 0° 4 | 5° 6 | 19°28 | 18°45 | 3°44 | 11°45 | M19 |
| T 20 | 6 12 52 | 3°29'10 | 17°10 | 5°30 | 22°36 | 2°30 | 23°44 | 26°47 | 16°42 | 0° 6 | 5° 7 | 19°29 | 18°41 | 3°50 | 11°46 | T 20 |
| W21 | 6 16 48 | 4°30'23 | 1♐13 | 7° 9 | 23°48 | 3°17 | 23°58 | 26°54 | 16°45 | 0° 8 | 5° 7 | 19°30 | 18°38 | 3°57 | 11°48 | W21 |
| T 22 | 6 20 45 | 5°31'35 | 15°41 | 8°48 | 24°59 | 4° 4 | 24°12 | 27° 1 | 16°49 | 0°10 | 5° 8 | 19°R30 | 18°35 | 4° 4 | 11°50 | T 22 |
| F 23 | 6 24 41 | 6°32'48 | 0♑31 | 10°28 | 26°11 | 4°51 | 24°25 | 27° 8 | 16°52 | 0°12 | 5° 8 | 19°30 | 18°32 | 4°10 | 11°52 | F 23 |
| S 24 | 6 28 38 | 7°34'00 | 15°34 | 12° 8 | 27°23 | 5°39 | 24°39 | 27°15 | 16°56 | 0°14 | 5° 8 | 19°29 | 18°29 | 4°17 | 11°54 | S 24 |
| S 25 | 6 32 35 | 8°35'11 | 0♒42 | 13°49 | 28°36 | 6°26 | 24°53 | 27°22 | 16°59 | 0°16 | 5° 9 | 19°27 | 18°26 | 4°24 | 11°56 | S 25 |
| M26 | 6 36 31 | 9°36'22 | 15°45 | 15°30 | 29°48 | 7°13 | 25° 6 | 27°29 | 17° 3 | 0°18 | 5° 9 | 19°24 | 18°22 | 4°30 | 11°58 | M26 |
| T 27 | 6 40 28 | 10°37'32 | 0♓35 | 17°12 | 1♐ 0 | 8° 1 | 25°20 | 27°36 | 17° 6 | 0°20 | 5° 9 | 19°21 | 18°19 | 4°37 | 12° 0 | T 27 |
| W28 | 6 44 24 | 11°38'41 | 15° 5 | 18°53 | 2°12 | 8°48 | 25°34 | 27°43 | 17°10 | 0°22 | 5°10 | 19°19 | 18°16 | 4°44 | 12° 2 | W28 |
| T 29 | 6 48 21 | 12°39'49 | 29°11 | 20°35 | 3°25 | 9°35 | 25°47 | 27°50 | 17°13 | 0°23 | 5°10 | 19°17 | 18°13 | 4°51 | 12° 4 | T 29 |
| F 30 | 6 52 17 | 13°40'56 | 12♈52 | 22°18 | 4°37 | 10°22 | 26° 1 | 27°57 | 17°17 | 0°25 | 5°10 | 19°D17 | 18°10 | 4°57 | 12° 6 | F 30 |
| S 31 | 6 56 14 | 14♑42'03 | 26♈10 | 24♑ 0 | 5♐49 | 11♒10 | 26♐14 | 28♐ 4 | 17♑20 | 0♐27 | 5♎10 | 19♐17 | 18♐ 7 | 5♌ 4 | 12♓ 8 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s37 | 0n29 | 5n18 | 21s41 | 0s24 | 9s17 | 2n28 | 23s38 | 1s14 | 22s57 | 0n12 | 22s42 | 0n46 | 23s 6 | 0s27 | 18s35 | 1n35 | 13n36 | 16n58 | 23s 9 | 23s10 | 16n31 | 2s58 | 4n44 |
| F 2 | 22 44 | 5 47 | 5 9 | 22 4 | 0 30 | 9 41 | 2 28 | 23 31 | 1 14 | 22 58 | 0 12 | 22 42 | 0 45 | 23 6 | 0 27 | 18 36 | 1 35 | 13 36 | 16 59 | 23 9 | 23 10 | 16 29 | 2 58 | 4 43 |
| S 3 | 22 51 | 10 43 | 4 44 | 22 26 | 0 37 | 10 5 | 2 28 | 23 24 | 1 13 | 22 59 | 0 12 | 22 43 | 0 45 | 23 5 | 0 27 | 18 36 | 1 35 | 13 36 | 17 0 | 23 9 | 23 10 | 16 27 | 2 58 | 4 43 |
| S 4 | 22 57 | 15 3 | 4 5 | 22 46 | 0 43 | 10 29 | 2 28 | 23 18 | 1 13 | 23 0 | 0 11 | 22 43 | 0 45 | 23 5 | 0 27 | 18 37 | 1 35 | 13 36 | 17 0 | 23 9 | 23 9 | 16 25 | 2 58 | 4 43 |
| M 5 | 23 2 | 18 36 | 3 13 | 23 6 | 0 49 | 10 53 | 2 28 | 23 10 | 1 13 | 23 1 | 0 11 | 22 43 | 0 45 | 23 5 | 0 27 | 18 37 | 1 35 | 13 37 | 17 1 | 23 9 | 23 9 | 16 23 | 2 58 | 4 42 |
| T 6 | 23 8 | 21 13 | 2 13 | 23 24 | 0 55 | 11 16 | 2 28 | 23 3 | 1 13 | 23 2 | 0 11 | 22 44 | 0 45 | 23 4 | 0 27 | 18 38 | 1 35 | 13 37 | 17 1 | 23 9 | 23 9 | 16 21 | 2 58 | 4 42 |
| W 7 | 23 12 | 22 45 | 1 8 | 23 41 | 1 1 | 11 39 | 2 28 | 22 55 | 1 13 | 23 4 | 0 11 | 22 44 | 0 45 | 23 4 | 0 27 | 18 38 | 1 35 | 13 37 | 17 2 | 23 9 | 23 9 | 16 19 | 2 58 | 4 42 |
| T 8 | 23 17 | 23 9 | 0 0 | 23 57 | 1 7 | 12 3 | 2 27 | 22 47 | 1 13 | 23 5 | 0 11 | 22 44 | 0 45 | 23 3 | 0 27 | 18 38 | 1 36 | 13 37 | 17 2 | 23 9 | 23 8 | 16 16 | 2 57 | 4 41 |
| F 9 | 23 21 | 22 27 | 1s 7 | 24 12 | 1 12 | 12 26 | 2 27 | 22 39 | 1 12 | 23 6 | 0 11 | 22 45 | 0 45 | 23 3 | 0 27 | 18 39 | 1 36 | 13 37 | 17 3 | 23 9 | 23 8 | 16 14 | 2 57 | 4 41 |
| S 10 | 23 24 | 20 43 | 2 10 | 24 25 | 1 17 | 12 48 | 2 26 | 22 30 | 1 12 | 23 7 | 0 11 | 22 45 | 0 45 | 23 3 | 0 27 | 18 39 | 1 36 | 13 37 | 17 3 | 23 9 | 23 8 | 16 12 | 2 57 | 4 41 |
| S 11 | 23 27 | 18 5 | 3 7 | 24 38 | 1 22 | 13 11 | 2 25 | 22 21 | 1 12 | 23 8 | 0 11 | 22 45 | 0 45 | 23 2 | 0 27 | 18 40 | 1 36 | 13 38 | 17 4 | 23 9 | 23 8 | 16 10 | 2 57 | 4 41 |
| M12 | 23 29 | 14 44 | 3 56 | 24 49 | 1 27 | 13 33 | 2 25 | 22 12 | 1 12 | 23 9 | 0 11 | 22 46 | 0 45 | 23 2 | 0 27 | 18 40 | 1 36 | 13 38 | 17 5 | 23 9 | 23 7 | 16 8 | 2 57 | 4 40 |
| T 13 | 23 31 | 10 49 | 4 34 | 24 58 | 1 32 | 13 55 | 2 24 | 22 3 | 1 12 | 23 10 | 0 11 | 22 46 | 0 45 | 23 1 | 0 27 | 18 41 | 1 36 | 13 38 | 17 5 | 23 9 | 23 7 | 16 6 | 2 56 | 4 40 |
| W14 | 23 33 | 6 28 | 5 1 | 25 6 | 1 36 | 14 17 | 2 23 | 21 53 | 1 12 | 23 10 | 0 10 | 22 46 | 0 45 | 23 1 | 0 27 | 18 41 | 1 36 | 13 38 | 17 6 | 23 9 | 23 7 | 16 4 | 2 56 | 4 40 |
| T 15 | 23 34 | 1 51 | 5 15 | 25 13 | 1 40 | 14 38 | 2 22 | 21 44 | 1 11 | 23 11 | 0 10 | 22 46 | 0 45 | 23 1 | 0 27 | 18 41 | 1 36 | 13 39 | 17 6 | 23 9 | 23 6 | 16 2 | 2 56 | 4 39 |
| F 16 | 23 34 | 2s55 | 5 16 | 25 18 | 1 44 | 15 0 | 2 20 | 21 33 | 1 11 | 23 12 | 0 10 | 22 47 | 0 44 | 23 0 | 0 27 | 18 42 | 1 36 | 13 39 | 17 7 | 23 9 | 23 6 | 15 59 | 2 56 | 4 39 |
| S 17 | 23 34 | 7 39 | 5 1 | 25 22 | 1 48 | 15 20 | 2 19 | 21 23 | 1 11 | 23 13 | 0 10 | 22 47 | 0 44 | 23 0 | 0 27 | 18 42 | 1 36 | 13 39 | 17 8 | 23 9 | 23 6 | 15 57 | 2 55 | 4 39 |
| S 18 | 23 34 | 12 13 | 4 32 | 25 24 | 1 51 | 15 41 | 2 18 | 21 13 | 1 11 | 23 14 | 0 10 | 22 47 | 0 44 | 22 59 | 0 27 | 18 43 | 1 36 | 13 39 | 17 8 | 23 9 | 23 6 | 15 55 | 2 55 | 4 39 |
| M19 | 23 33 | 16 20 | 3 48 | 25 25 | 1 54 | 16 1 | 2 16 | 21 2 | 1 10 | 23 15 | 0 10 | 22 47 | 0 44 | 22 59 | 0 27 | 18 43 | 1 36 | 13 40 | 17 9 | 23 9 | 23 5 | 15 53 | 2 54 | 4 38 |
| T 20 | 23 31 | 19 46 | 2 50 | 25 24 | 1 57 | 16 21 | 2 15 | 20 51 | 1 10 | 23 15 | 0 10 | 22 48 | 0 44 | 22 58 | 0 27 | 18 43 | 1 36 | 13 40 | 17 9 | 23 9 | 23 5 | 15 51 | 2 54 | 4 38 |
| W21 | 23 30 | 22 8 | 1 40 | 25 21 | 1 59 | 16 41 | 2 13 | 20 40 | 1 10 | 23 16 | 0 10 | 22 48 | 0 44 | 22 58 | 0 27 | 18 44 | 1 36 | 13 40 | 17 10 | 23 9 | 23 5 | 15 49 | 2 54 | 4 38 |
| T 22 | 23 27 | 23 9 | 0 21 | 25 17 | 2 1 | 17 0 | 2 11 | 20 28 | 1 10 | 23 17 | 0 10 | 22 48 | 0 44 | 22 58 | 0 27 | 18 44 | 1 36 | 13 41 | 17 10 | 23 9 | 23 5 | 15 46 | 2 53 | 4 37 |
| F 23 | 23 24 | 22 34 | 1n 1 | 25 12 | 2 3 | 17 18 | 2 9 | 20 17 | 1 9 | 23 17 | 0 10 | 22 48 | 0 44 | 22 57 | 0 27 | 18 45 | 1 36 | 13 41 | 17 11 | 23 9 | 23 4 | 15 44 | 2 53 | 4 37 |
| S 24 | 23 21 | 20 21 | 2 19 | 25 4 | 2 4 | 17 37 | 2 8 | 20 5 | 1 9 | 23 18 | 0 10 | 22 48 | 0 44 | 22 57 | 0 27 | 18 45 | 1 36 | 13 42 | 17 12 | 23 9 | 23 4 | 15 42 | 2 52 | 4 37 |
| S 25 | 23 17 | 16 43 | 3 28 | 24 55 | 2 5 | 17 55 | 2 6 | 19 53 | 1 9 | 23 19 | 0 9 | 22 49 | 0 44 | 22 56 | 0 27 | 18 45 | 1 36 | 13 42 | 17 12 | 23 9 | 23 4 | 15 40 | 2 52 | 4 37 |
| M26 | 23 13 | 12 1 | 4 23 | 24 44 | 2 5 | 18 12 | 2 4 | 19 40 | 1 8 | 23 19 | 0 9 | 22 49 | 0 44 | 22 56 | 0 27 | 18 46 | 1 36 | 13 42 | 17 13 | 23 9 | 23 3 | 15 38 | 2 51 | 4 36 |
| T 27 | 23 8 | 6 40 | 4 59 | 24 32 | 2 5 | 18 29 | 2 1 | 19 28 | 1 8 | 23 20 | 0 9 | 22 49 | 0 44 | 22 55 | 0 27 | 18 46 | 1 36 | 13 43 | 17 13 | 23 8 | 23 3 | 15 36 | 2 51 | 4 36 |
| W28 | 23 3 | 1 5 | 5 14 | 24 17 | 2 5 | 18 46 | 1 59 | 19 15 | 1 8 | 23 21 | 0 9 | 22 49 | 0 44 | 22 55 | 0 27 | 18 46 | 1 36 | 13 43 | 17 14 | 23 8 | 23 3 | 15 34 | 2 50 | 4 36 |
| T 29 | 22 58 | 4n25 | 5 10 | 24 1 | 2 4 | 19 2 | 1 57 | 19 2 | 1 8 | 23 21 | 0 9 | 22 49 | 0 44 | 22 54 | 0 27 | 18 47 | 1 36 | 13 44 | 17 15 | 23 8 | 23 3 | 15 31 | 2 50 | 4 36 |
| F 30 | 22 52 | 9 32 | 4 49 | 23 44 | 2 2 | 19 18 | 1 55 | 18 49 | 1 7 | 23 22 | 0 9 | 22 50 | 0 44 | 22 54 | 0 27 | 18 47 | 1 36 | 13 44 | 17 15 | 23 8 | 23 2 | 15 29 | 2 49 | 4 35 |
| S 31 | 22s45 | 14n 4 | 4n12 | 23s24 | 2s 0 | 19s33 | 1n52 | 18s36 | 1s 7 | 23s22 | 0n 9 | 22s50 | 0n44 | 22s54 | 0s27 | 18s47 | 1n36 | 13n45 | 17n16 | 23s 8 | 23s 2 | 15n27 | 2s48 | 4n35 |

Julian Day Number = 2081893.5, Delta T = 25m24s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'04, Lahiri = 9°45'05 Julian Calendar 1 Dec. 987 == Greg. Calendar 6 Dec. 987


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## JANUARY 988 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 0 11 | 15♑43'08 | 9♉ 7 | 25♑43 | 7♐ 2 | 11♒57 | 26♐28 | 28♐11 | 17♑24 | 0♐29 | 5♎10 | 19♐18 | 18♐ 3 | 5♌11 | 12♓11 | S 1 |
| M 2 | 7 4 7 | 16°44'12 | 21°45 | 27°25 | 8°14 | 12°44 | 26°41 | 28°18 | 17°27 | 0°30 | 5°R10 | 19°20 | 18° 0 | 5°17 | 12°13 | M 2 |
| T 3 | 7 8 4 | 17°45'16 | 4♊ 8 | 29° 8 | 9°27 | 13°32 | 26°55 | 28°25 | 17°31 | 0°32 | 5°10 | 19°22 | 17°57 | 5°24 | 12°15 | T 3 |
| W 4 | 7 12 0 | 18°46'18 | 16°21 | 0♒50 | 10°40 | 14°19 | 27° 8 | 28°31 | 17°35 | 0°34 | 5°10 | 19°R23 | 17°54 | 5°31 | 12°18 | W 4 |
| T 5 | 7 15 57 | 19°47'19 | 28°24 | 2°32 | 11°52 | 15° 6 | 27°22 | 28°38 | 17°38 | 0°35 | 5°10 | 19°22 | 17°51 | 5°37 | 12°20 | T 5 |
| F 6 | 7 19 53 | 20°48'19 | 10♋22 | 4°13 | 13° 5 | 15°53 | 27°35 | 28°45 | 17°42 | 0°37 | 5°10 | 19°20 | 17°47 | 5°44 | 12°23 | F 6 |
| S 7 | 7 23 50 | 21°49'19 | 22°15 | 5°53 | 14°18 | 16°40 | 27°48 | 28°52 | 17°45 | 0°39 | 5°10 | 19°17 | 17°44 | 5°51 | 12°25 | S 7 |
| S 8 | 7 27 46 | 22°50'17 | 4♌ 6 | 7°32 | 15°31 | 17°28 | 28° 2 | 28°58 | 17°49 | 0°40 | 5°10 | 19°11 | 17°41 | 5°57 | 12°28 | S 8 |
| M 9 | 7 31 43 | 23°51'14 | 15°57 | 9° 9 | 16°43 | 18°15 | 28°15 | 29° 5 | 17°52 | 0°42 | 5° 9 | 19° 5 | 17°38 | 6° 4 | 12°30 | M 9 |
| T 10 | 7 35 40 | 24°52'11 | 27°48 | 10°44 | 17°56 | 19° 2 | 28°28 | 29°12 | 17°56 | 0°43 | 5° 9 | 18°58 | 17°35 | 6°11 | 12°33 | T 10 |
| W11 | 7 39 36 | 25°53'06 | 9♍44 | 12°17 | 19° 9 | 19°49 | 28°41 | 29°18 | 17°59 | 0°45 | 5° 9 | 18°51 | 17°32 | 6°17 | 12°36 | W11 |
| T 12 | 7 43 33 | 26°54'00 | 21°45 | 13°47 | 20°22 | 20°36 | 28°54 | 29°25 | 18° 3 | 0°46 | 5° 8 | 18°45 | 17°28 | 6°24 | 12°38 | T 12 |
| F 13 | 7 47 29 | 27°54'54 | 3♎56 | 15°14 | 21°35 | 21°23 | 29° 7 | 29°31 | 18° 6 | 0°48 | 5° 8 | 18°41 | 17°25 | 6°31 | 12°41 | F 13 |
| S 14 | 7 51 26 | 28°55'46 | 16°19 | 16°37 | 22°48 | 22°11 | 29°20 | 29°38 | 18°10 | 0°49 | 5° 8 | 18°38 | 17°22 | 6°38 | 12°44 | S 14 |
| S 15 | 7 55 22 | 29°56'38 | 28°59 | 17°54 | 24° 2 | 22°58 | 29°33 | 29°44 | 18°13 | 0°51 | 5° 7 | 18°D37 | 17°19 | 6°44 | 12°47 | S 15 |
| M16 | 7 59 19 | 0♒57'29 | 12♏ 0 | 19° 6 | 25°15 | 23°45 | 29°46 | 29°51 | 18°17 | 0°52 | 5° 7 | 18°37 | 17°16 | 6°51 | 12°50 | M16 |
| T 17 | 8 3 15 | 1°58'19 | 25°25 | 20°12 | 26°28 | 24°32 | 29°59 | 29°57 | 18°20 | 0°53 | 5° 6 | 18°39 | 17°13 | 6°58 | 12°52 | T 17 |
| W18 | 8 7 12 | 2°59'08 | 9♐18 | 21°11 | 27°41 | 25°19 | 0♑12 | 0♑ 3 | 18°24 | 0°54 | 5° 6 | 18°40 | 17° 9 | 7° 4 | 12°55 | W18 |
| T 19 | 8 11 9 | 3°59'55 | 23°38 | 22° 3 | 28°54 | 26° 6 | 0°24 | 0°10 | 18°27 | 0°56 | 5° 5 | 18°R40 | 17° 6 | 7°11 | 12°58 | T 19 |
| F 20 | 8 15 5 | 5° 0'42 | 8♑23 | 22°45 | 0♑ 8 | 26°53 | 0°37 | 0°16 | 18°31 | 0°57 | 5° 5 | 18°39 | 17° 3 | 7°18 | 13° 1 | F 20 |
| S 21 | 8 19 2 | 6° 1'28 | 23°29 | 23°19 | 1°21 | 27°40 | 0°50 | 0°22 | 18°34 | 0°58 | 5° 4 | 18°35 | 17° 0 | 7°24 | 13° 4 | S 21 |
| S 22 | 8 22 58 | 7° 2'12 | 8♒46 | 23°43 | 2°34 | 28°27 | 1° 2 | 0°28 | 18°37 | 0°59 | 5° 3 | 18°29 | 16°57 | 7°31 | 13° 7 | S 22 |
| M23 | 8 26 55 | 8° 2'54 | 24° 4 | 23°56 | 3°47 | 29°14 | 1°15 | 0°34 | 18°41 | 1° 1 | 5° 3 | 18°21 | 16°53 | 7°38 | 13°10 | M23 |
| T 24 | 8 30 51 | 9° 3'35 | 9♓12 | 23°R59 | 5° 1 | 0♓ 1 | 1°27 | 0°41 | 18°44 | 1° 2 | 5° 2 | 18°13 | 16°50 | 7°44 | 13°13 | T 24 |
| W25 | 8 34 48 | 10° 4'14 | 24° 0 | 23°51 | 6°14 | 0°48 | 1°40 | 0°47 | 18°47 | 1° 3 | 5° 1 | 18° 6 | 16°47 | 7°51 | 13°17 | W25 |
| T 26 | 8 38 44 | 11° 4'52 | 8♈21 | 23°33 | 7°27 | 1°34 | 1°52 | 0°53 | 18°51 | 1° 4 | 5° 0 | 17°59 | 16°44 | 7°58 | 13°20 | T 26 |
| F 27 | 8 42 41 | 12° 5'27 | 22°14 | 23° 5 | 8°41 | 2°21 | 2° 4 | 0°58 | 18°54 | 1° 5 | 5° 0 | 17°55 | 16°41 | 8° 5 | 13°23 | F 27 |
| S 28 | 8 46 38 | 13° 6'01 | 5♉37 | 22°28 | 9°54 | 3° 8 | 2°16 | 1° 4 | 18°57 | 1° 6 | 4°59 | 17°53 | 16°38 | 8°11 | 13°26 | S 28 |
| S 29 | 8 50 34 | 14° 6'33 | 18°33 | 21°42 | 11° 8 | 3°55 | 2°28 | 1°10 | 19° 1 | 1° 7 | 4°58 | 17°D53 | 16°34 | 8°18 | 13°29 | S 29 |
| M30 | 8 54 31 | 15° 7'03 | 1♊ 7 | 20°48 | 12°21 | 4°42 | 2°40 | 1°16 | 19° 4 | 1° 8 | 4°57 | 17°54 | 16°31 | 8°25 | 13°32 | M30 |
| T 31 | 8 58 27 | 16♒ 7'31 | 13♊24 | 19♒50 | 13♑35 | 5♓28 | 2♑52 | 1♑22 | 19♑ 7 | 1♐ 9 | 4♎56 | 17°R55 | 16♐28 | 8♌31 | 13♓36 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s38 | 17n49 | 3n24 | 23s 3 | 1s58 | 19s48 | 1n50 | 18s22 | 1s 7 | 23s23 | 0n 9 | 22s50 | 0n44 | 22s53 | 0s27 | 18s48 | 1n36 | 13n45 | 17n16 | 23s 8 | 23s 2 | 15n25 | 2s48 | 4n35 |
| M 2 | 22 31 | 20 39 | 2 26 | 22 40 | 1 55 | 20 2 | 1 47 | 18 8 | 1 6 | 23 23 | 0 9 | 22 50 | 0 44 | 22 53 | 0 27 | 18 48 | 1 36 | 13 46 | 17 17 | 23 8 | 23 1 | 15 23 | 2 47 | 4 35 |
| T 3 | 22 23 | 22 27 | 1 23 | 22 15 | 1 51 | 20 16 | 1 45 | 17 54 | 1 6 | 23 23 | 0 9 | 22 50 | 0 43 | 22 52 | 0 27 | 18 48 | 1 36 | 13 46 | 17 18 | 23 8 | 23 1 | 15 20 | 2 46 | 4 34 |
| W 4 | 22 15 | 23 8 | 0 17 | 21 49 | 1 46 | 20 29 | 1 42 | 17 40 | 1 6 | 23 24 | 0 8 | 22 50 | 0 43 | 22 52 | 0 27 | 18 49 | 1 36 | 13 47 | 17 18 | 23 9 | 23 1 | 15 18 | 2 46 | 4 34 |
| T 5 | 22 6 | 22 44 | 0s49 | 21 21 | 1 41 | 20 41 | 1 40 | 17 26 | 1 5 | 23 24 | 0 8 | 22 50 | 0 43 | 22 51 | 0 27 | 18 49 | 1 36 | 13 47 | 17 19 | 23 8 | 23 1 | 15 16 | 2 45 | 4 34 |
| F 6 | 21 57 | 21 18 | 1 52 | 20 51 | 1 35 | 20 53 | 1 37 | 17 12 | 1 5 | 23 25 | 0 8 | 22 50 | 0 43 | 22 51 | 0 27 | 18 49 | 1 36 | 13 48 | 17 19 | 23 8 | 23 0 | 15 14 | 2 44 | 4 34 |
| S 7 | 21 47 | 18 55 | 2 50 | 20 20 | 1 29 | 21 5 | 1 34 | 16 57 | 1 5 | 23 25 | 0 8 | 22 51 | 0 43 | 22 50 | 0 27 | 18 50 | 1 36 | 13 49 | 17 20 | 23 8 | 23 0 | 15 12 | 2 44 | 4 33 |
| S 8 | 21 37 | 15 46 | 3 40 | 19 48 | 1 21 | 21 16 | 1 32 | 16 42 | 1 4 | 23 25 | 0 8 | 22 51 | 0 43 | 22 50 | 0 27 | 18 50 | 1 36 | 13 49 | 17 20 | 23 8 | 23 0 | 15 10 | 2 43 | 4 33 |
| M 9 | 21 27 | 12 0 | 4 21 | 19 15 | 1 13 | 21 26 | 1 29 | 16 27 | 1 4 | 23 25 | 0 8 | 22 51 | 0 43 | 22 49 | 0 28 | 18 50 | 1 36 | 13 50 | 17 21 | 23 7 | 22 59 | 15 7 | 2 42 | 4 33 |
| T 10 | 21 16 | 7 46 | 4 50 | 18 40 | 1 4 | 21 36 | 1 26 | 16 12 | 1 3 | 23 26 | 0 8 | 22 51 | 0 43 | 22 49 | 0 28 | 18 50 | 1 36 | 13 50 | 17 22 | 23 7 | 22 59 | 15 5 | 2 41 | 4 33 |
| W11 | 21 5 | 3 14 | 5 7 | 18 5 | 0 54 | 21 45 | 1 23 | 15 57 | 1 3 | 23 26 | 0 8 | 22 51 | 0 43 | 22 48 | 0 28 | 18 51 | 1 36 | 13 51 | 17 22 | 23 6 | 22 59 | 15 3 | 2 40 | 4 32 |
| T 12 | 20 53 | 1s27 | 5 10 | 17 29 | 0 44 | 21 53 | 1 20 | 15 41 | 1 3 | 23 26 | 0 8 | 22 51 | 0 43 | 22 48 | 0 28 | 18 51 | 1 36 | 13 52 | 17 23 | 23 5 | 22 59 | 15 1 | 2 40 | 4 32 |
| F 13 | 20 42 | 6 9 | 5 0 | 16 52 | 0 32 | 22 1 | 1 17 | 15 26 | 1 2 | 23 26 | 0 8 | 22 51 | 0 43 | 22 48 | 0 28 | 18 51 | 1 37 | 13 52 | 17 23 | 23 5 | 22 58 | 14 59 | 2 39 | 4 32 |
| S 14 | 20 29 | 10 41 | 4 35 | 16 16 | 0 20 | 22 8 | 1 14 | 15 10 | 1 2 | 23 27 | 0 8 | 22 51 | 0 43 | 22 47 | 0 28 | 18 52 | 1 37 | 13 53 | 17 24 | 23 5 | 22 58 | 14 56 | 2 38 | 4 32 |
| S 15 | 20 16 | 14 52 | 3 57 | 15 39 | 0 7 | 22 15 | 1 11 | 14 54 | 1 1 | 23 27 | 0 7 | 22 51 | 0 43 | 22 47 | 0 28 | 18 52 | 1 37 | 13 54 | 17 24 | 23 5 | 22 58 | 14 54 | 2 37 | 4 32 |
| M16 | 20 3 | 18 28 | 3 6 | 15 4 | 0n 7 | 22 21 | 1 8 | 14 38 | 1 1 | 23 27 | 0 7 | 22 51 | 0 43 | 22 46 | 0 28 | 18 52 | 1 37 | 13 54 | 17 25 | 23 5 | 22 57 | 14 52 | 2 36 | 4 31 |
| T 17 | 19 50 | 21 12 | 2 3 | 14 29 | 0 22 | 22 26 | 1 5 | 14 22 | 1 1 | 23 27 | 0 7 | 22 51 | 0 43 | 22 46 | 0 28 | 18 52 | 1 37 | 13 55 | 17 25 | 23 5 | 22 57 | 14 50 | 2 35 | 4 31 |
| W18 | 19 36 | 22 48 | 0 51 | 13 56 | 0 37 | 22 31 | 1 2 | 14 6 | 1 0 | 23 27 | 0 7 | 22 51 | 0 43 | 22 45 | 0 28 | 18 52 | 1 37 | 13 56 | 17 26 | 23 5 | 22 57 | 14 47 | 2 34 | 4 31 |
| T 19 | 19 22 | 22 58 | 0n27 | 13 24 | 0 53 | 22 35 | 0 59 | 13 49 | 1 0 | 23 27 | 0 7 | 22 51 | 0 43 | 22 45 | 0 28 | 18 53 | 1 37 | 13 56 | 17 27 | 23 5 | 22 56 | 14 45 | 2 33 | 4 31 |
| F 20 | 19 7 | 21 34 | 1 45 | 12 55 | 1 10 | 22 38 | 0 56 | 13 33 | 0 59 | 23 27 | 0 7 | 22 51 | 0 43 | 22 44 | 0 28 | 18 53 | 1 37 | 13 57 | 17 27 | 23 5 | 22 56 | 14 43 | 2 32 | 4 31 |
| S 21 | 18 52 | 18 37 | 2 57 | 12 28 | 1 26 | 22 41 | 0 53 | 13 16 | 0 59 | 23 27 | 0 7 | 22 51 | 0 43 | 22 44 | 0 28 | 18 53 | 1 37 | 13 58 | 17 28 | 23 5 | 22 56 | 14 41 | 2 31 | 4 30 |
| S 22 | 18 37 | 14 21 | 3 57 | 12 4 | 1 43 | 22 43 | 0 50 | 12 59 | 0 58 | 23 27 | 0 7 | 22 51 | 0 43 | 22 43 | 0 28 | 18 53 | 1 37 | 13 59 | 17 28 | 23 4 | 22 56 | 14 39 | 2 30 | 4 30 |
| M23 | 18 21 | 9 10 | 4 40 | 11 44 | 2 0 | 22 44 | 0 47 | 12 42 | 0 58 | 23 27 | 0 7 | 22 51 | 0 43 | 22 43 | 0 28 | 18 54 | 1 37 | 13 59 | 17 29 | 23 3 | 22 55 | 14 36 | 2 29 | 4 30 |
| T 24 | 18 5 | 3 29 | 5 3 | 11 28 | 2 16 | 22 45 | 0 43 | 12 25 | 0 57 | 23 27 | 0 7 | 22 51 | 0 43 | 22 43 | 0 28 | 18 54 | 1 37 | 14 0 | 17 29 | 23 3 | 22 55 | 14 34 | 2 28 | 4 30 |
| W25 | 17 49 | 2n16 | 5 5 | 11 15 | 2 32 | 22 45 | 0 40 | 12 8 | 0 57 | 23 27 | 0 7 | 22 51 | 0 43 | 22 42 | 0 28 | 18 54 | 1 37 | 14 1 | 17 30 | 23 2 | 22 55 | 14 32 | 2 27 | 4 30 |
| T 26 | 17 33 | 7 44 | 4 48 | 11 7 | 2 47 | 22 44 | 0 37 | 11 51 | 0 57 | 23 27 | 0 6 | 22 51 | 0 43 | 22 42 | 0 28 | 18 54 | 1 37 | 14 2 | 17 30 | 23 1 | 22 54 | 14 30 | 2 26 | 4 30 |
| F 27 | 17 16 | 12 37 | 4 14 | 11 3 | 3 1 | 22 43 | 0 34 | 11 34 | 0 56 | 23 27 | 0 6 | 22 51 | 0 43 | 22 41 | 0 28 | 18 54 | 1 37 | 14 2 | 17 31 | 23 1 | 22 54 | 14 27 | 2 25 | 4 29 |
| S 28 | 16 59 | 16 43 | 3 27 | 11 3 | 3 13 | 22 41 | 0 31 | 11 16 | 0 56 | 23 27 | 0 6 | 22 51 | 0 43 | 22 41 | 0 28 | 18 54 | 1 37 | 14 3 | 17 31 | 23 1 | 22 54 | 14 25 | 2 24 | 4 29 |
| S 29 | 16 41 | 19 51 | 2 31 | 11 8 | 3 24 | 22 38 | 0 28 | 10 59 | 0 55 | 23 27 | 0 6 | 22 51 | 0 43 | 22 40 | 0 28 | 18 55 | 1 37 | 14 4 | 17 32 | 23 1 | 22 53 | 14 23 | 2 23 | 4 29 |
| M30 | 16 23 | 21 57 | 1 29 | 11 16 | 3 33 | 22 35 | 0 25 | 10 41 | 0 55 | 23 26 | 0 6 | 22 51 | 0 43 | 22 40 | 0 28 | 18 55 | 1 37 | 14 5 | 17 32 | 23 1 | 22 53 | 14 21 | 2 22 | 4 29 |
| T 31 | 16s 5 | 22n56 | 0n24 | 11s28 | 3n40 | 22s31 | 0n22 | 10s24 | 0s54 | 23s26 | 0n 6 | 22s51 | 0n42 | 22s39 | 0s28 | 18s55 | 1n37 | 14n 5 | 17n33 | 23s 1 | 22s53 | 14n18 | 2s21 | 4n29 |

Julian Day Number = 2081924.5, Delta T = 25m23s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'08, Lahiri = 9°45'09 Julian Calendar 1 Jan. 988 == Greg. Calendar 6 Jan. 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## FEBRUARY 988 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 2 24 | 17♒ 7'58 | 25♊28 | 18°R46 | 14♉48 | 6♓15 | 3♉ 4 | 1♉27 | 19♉10 | 1♐10 | 4°R55 | 17°R55 | 16♐25 | 8♌38 | 13♓39 | W 1 |
| T 2 | 9 6 20 | 18° 8'22 | 7♋24 | 17♒41 | 16° 2 | 7° 2 | 3°16 | 1°33 | 19°14 | 1°10 | 4♎54 | 17♐52 | 16°22 | 8°45 | 13°42 | T 2 |
| F 3 | 9 10 17 | 19° 8'44 | 19°15 | 16°35 | 17°15 | 7°48 | 3°28 | 1°38 | 19°17 | 1°11 | 4°53 | 17°48 | 16°19 | 8°51 | 13°46 | F 3 |
| S 4 | 9 14 13 | 20° 9'05 | 1♌ 4 | 15°29 | 18°29 | 8°35 | 3°39 | 1°44 | 19°20 | 1°12 | 4°52 | 17°40 | 16°15 | 8°58 | 13°49 | S 4 |
| S 5 | 9 18 10 | 21° 9'24 | 12°54 | 14°26 | 19°42 | 9°21 | 3°51 | 1°49 | 19°23 | 1°13 | 4°51 | 17°30 | 16°12 | 9° 5 | 13°52 | S 5 |
| M 6 | 9 22 7 | 22° 9'40 | 24°47 | 13°27 | 20°56 | 10° 8 | 4° 2 | 1°55 | 19°26 | 1°13 | 4°50 | 17°19 | 16° 9 | 9°11 | 13°56 | M 6 |
| T 7 | 9 26 3 | 23° 9'55 | 6♍45 | 12°32 | 22° 9 | 10°54 | 4°14 | 2° 0 | 19°29 | 1°14 | 4°49 | 17° 6 | 16° 6 | 9°18 | 13°59 | T 7 |
| W 8 | 9 30 0 | 24°10'09 | 18°47 | 11°43 | 23°23 | 11°41 | 4°25 | 2° 5 | 19°32 | 1°15 | 4°48 | 16°53 | 16° 3 | 9°25 | 14° 3 | W 8 |
| T 9 | 9 33 56 | 25°10'20 | 0♎56 | 11° 1 | 24°36 | 12°27 | 4°36 | 2°10 | 19°36 | 1°15 | 4°47 | 16°41 | 15°59 | 9°32 | 14° 6 | T 9 |
| F 10 | 9 37 53 | 26°10'30 | 13°14 | 10°25 | 25°50 | 13°14 | 4°47 | 2°16 | 19°39 | 1°16 | 4°45 | 16°32 | 15°56 | 9°38 | 14° 9 | F 10 |
| S 11 | 9 41 49 | 27°10'38 | 25°42 | 9°56 | 27° 3 | 14° 0 | 4°58 | 2°21 | 19°42 | 1°17 | 4°44 | 16°25 | 15°53 | 9°45 | 14°13 | S 11 |
| S 12 | 9 45 46 | 28°10'44 | 8♏24 | 9°34 | 28°17 | 14°46 | 5° 9 | 2°26 | 19°44 | 1°17 | 4°43 | 16°21 | 15°50 | 9°52 | 14°16 | S 12 |
| M13 | 9 49 42 | 29°10'49 | 21°22 | 9°19 | 29°31 | 15°33 | 5°20 | 2°30 | 19°47 | 1°18 | 4°42 | 16°19 | 15°47 | 9°58 | 14°20 | M13 |
| T 14 | 9 53 39 | 0♓10'53 | 4♐40 | 9°10 | 0♒44 | 16°19 | 5°31 | 2°35 | 19°50 | 1°18 | 4°40 | 16°D19 | 15°44 | 10° 5 | 14°23 | T 14 |
| W15 | 9 57 36 | 1°10'54 | 18°20 | 9°D 9 | 1°58 | 17° 5 | 5°41 | 2°40 | 19°53 | 1°18 | 4°39 | 16°R19 | 15°40 | 10°12 | 14°27 | W15 |
| T 16 | 10 1 32 | 2°10'55 | 2♉26 | 9°13 | 3°12 | 17°51 | 5°52 | 2°45 | 19°56 | 1°19 | 4°38 | 16°18 | 15°37 | 10°18 | 14°30 | T 16 |
| F 17 | 10 5 29 | 3°10'53 | 16°56 | 9°24 | 4°25 | 18°38 | 6° 2 | 2°49 | 19°59 | 1°19 | 4°36 | 16°15 | 15°34 | 10°25 | 14°34 | F 17 |
| S 18 | 10 9 25 | 4°10'50 | 1♒47 | 9°40 | 5°39 | 19°24 | 6°13 | 2°54 | 20° 2 | 1°19 | 4°35 | 16°10 | 15°31 | 10°32 | 14°37 | S 18 |
| S 19 | 10 13 22 | 5°10'44 | 16°54 | 10° 2 | 6°53 | 20°10 | 6°23 | 2°58 | 20° 4 | 1°20 | 4°34 | 16° 1 | 15°28 | 10°39 | 14°41 | S 19 |
| M20 | 10 17 18 | 6°10'37 | 2♓ 7 | 10°28 | 8° 6 | 20°56 | 6°33 | 3° 3 | 20° 7 | 1°20 | 4°32 | 15°51 | 15°25 | 10°45 | 14°44 | M20 |
| T 21 | 10 21 15 | 7°10'28 | 17°16 | 10°59 | 9°20 | 21°42 | 6°43 | 3° 7 | 20°10 | 1°20 | 4°31 | 15°39 | 15°21 | 10°52 | 14°48 | T 21 |
| W22 | 10 25 11 | 8°10'17 | 2♈ 9 | 11°35 | 10°34 | 22°28 | 6°53 | 3°11 | 20°12 | 1°20 | 4°29 | 15°28 | 15°18 | 10°59 | 14°52 | W22 |
| T 23 | 10 29 8 | 9°10'03 | 16°39 | 12°15 | 11°47 | 23°14 | 7° 3 | 3°16 | 20°15 | 1°21 | 4°28 | 15°19 | 15°15 | 11° 5 | 14°55 | T 23 |
| F 24 | 10 33 4 | 10° 9'47 | 0♉40 | 12°58 | 13° 1 | 24° 0 | 7°13 | 3°20 | 20°18 | 1°21 | 4°26 | 15°12 | 15°12 | 11°12 | 14°59 | F 24 |
| S 25 | 10 37 1 | 11° 9'29 | 14°11 | 13°46 | 14°15 | 24°45 | 7°22 | 3°24 | 20°20 | 1°21 | 4°25 | 15° 7 | 15° 9 | 11°19 | 15° 2 | S 25 |
| S 26 | 10 40 58 | 12° 9'09 | 27°13 | 14°36 | 15°28 | 25°31 | 7°32 | 3°28 | 20°23 | 1°21 | 4°23 | 15° 5 | 15° 5 | 11°25 | 15° 6 | S 26 |
| M27 | 10 44 54 | 13° 8'47 | 9♊51 | 15°30 | 16°42 | 26°17 | 7°41 | 3°32 | 20°25 | 1°R21 | 4°22 | 15° 5 | 15° 2 | 11°32 | 15° 9 | M27 |
| T 28 | 10 48 51 | 14° 8'22 | 22° 9 | 16°27 | 17°56 | 27° 3 | 7°50 | 3°35 | 20°28 | 1°21 | 4°20 | 15° 5 | 14°59 | 11°39 | 15°13 | T 28 |
| W29 | 10 52 47 | 15♓ 7'54 | 4♋12 | 17♒26 | 19♒ 9 | 27♓48 | 7♉59 | 3♉39 | 20♉30 | 1♐21 | 4♎19 | 15♐ 4 | 14♐56 | 11♌46 | 15♓17 | W29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s47 | 22n49 | 0s40 | 11s43 | 3n44 | 22s26 | 0n18 | 10s 6 | 0s54 | 23s26 | 0n 6 | 22s51 | 0n42 | 22s39 | 0s28 | 18s55 | 1n37 | 14n 6 | 17n33 | 23s 1 | 22s52 | 14n16 | 2s20 | 4n29 |
| T 2 | 15 29 | 21 40 | 1 42 | 12 1 | 3 47 | 22 21 | 0 15 | 9 48 | 0 53 | 23 26 | 0 6 | 22 51 | 0 42 | 22 38 | 0 28 | 18 55 | 1 37 | 14 7 | 17 34 | 23 1 | 22 52 | 14 14 | 2 19 | 4 28 |
| F 3 | 15 10 | 19 33 | 2 39 | 12 21 | 3 47 | 22 15 | 0 12 | 9 30 | 0 53 | 23 26 | 0 6 | 22 51 | 0 42 | 22 38 | 0 28 | 18 55 | 1 37 | 14 8 | 17 34 | 23 0 | 22 52 | 14 12 | 2 18 | 4 28 |
| S 4 | 14 51 | 16 38 | 3 29 | 12 42 | 3 45 | 22 8 | 0 9 | 9 12 | 0 52 | 23 26 | 0 6 | 22 51 | 0 42 | 22 38 | 0 28 | 18 55 | 1 37 | 14 9 | 17 34 | 23 0 | 22 51 | 14 9 | 2 16 | 4 28 |
| S 5 | 14 31 | 13 2 | 4 10 | 13 5 | 3 40 | 22 1 | 0 6 | 8 54 | 0 52 | 23 25 | 0 6 | 22 51 | 0 42 | 22 37 | 0 28 | 18 55 | 1 38 | 14 10 | 17 35 | 22 59 | 22 51 | 14 7 | 2 15 | 4 28 |
| M 6 | 14 12 | 8 56 | 4 39 | 13 27 | 3 34 | 21 53 | 0 3 | 8 36 | 0 51 | 23 25 | 0 5 | 22 51 | 0 42 | 22 37 | 0 28 | 18 56 | 1 38 | 14 10 | 17 35 | 22 58 | 22 51 | 14 5 | 2 14 | 4 28 |
| T 7 | 13 52 | 4 29 | 4 57 | 13 50 | 3 26 | 21 44 | 0 0 | 8 18 | 0 51 | 23 25 | 0 5 | 22 51 | 0 42 | 22 36 | 0 28 | 18 56 | 1 38 | 14 11 | 17 36 | 22 56 | 22 50 | 14 3 | 2 13 | 4 28 |
| W 8 | 13 32 | 0s10 | 5 2 | 14 13 | 3 17 | 21 35 | 0s 3 | 7 59 | 0 50 | 23 24 | 0 5 | 22 51 | 0 42 | 22 36 | 0 28 | 18 56 | 1 38 | 14 12 | 17 36 | 22 55 | 22 50 | 14 0 | 2 12 | 4 28 |
| T 9 | 13 12 | 4 51 | 4 53 | 14 34 | 3 6 | 21 25 | 0 6 | 7 41 | 0 50 | 23 24 | 0 5 | 22 51 | 0 42 | 22 35 | 0 28 | 18 56 | 1 38 | 14 13 | 17 37 | 22 54 | 22 50 | 13 58 | 2 11 | 4 28 |
| F 10 | 12 52 | 9 24 | 4 30 | 14 55 | 2 55 | 21 14 | 0 9 | 7 23 | 0 49 | 23 24 | 0 5 | 22 51 | 0 42 | 22 35 | 0 28 | 18 56 | 1 38 | 14 14 | 17 37 | 22 53 | 22 49 | 13 56 | 2 9 | 4 27 |
| S 11 | 12 31 | 13 37 | 3 55 | 15 15 | 2 42 | 21 3 | 0 12 | 7 4 | 0 48 | 23 24 | 0 5 | 22 51 | 0 42 | 22 35 | 0 28 | 18 56 | 1 38 | 14 14 | 17 37 | 22 52 | 22 49 | 13 54 | 2 8 | 4 27 |
| S 12 | 12 10 | 17 19 | 3 7 | 15 33 | 2 30 | 20 51 | 0 14 | 6 46 | 0 48 | 23 23 | 0 5 | 22 51 | 0 42 | 22 34 | 0 28 | 18 56 | 1 38 | 14 15 | 17 38 | 22 52 | 22 49 | 13 51 | 2 7 | 4 27 |
| M13 | 11 49 | 20 16 | 2 8 | 15 50 | 2 16 | 20 39 | 0 17 | 6 27 | 0 47 | 23 23 | 0 5 | 22 51 | 0 42 | 22 34 | 0 28 | 18 56 | 1 38 | 14 16 | 17 38 | 22 52 | 22 48 | 13 49 | 2 6 | 4 27 |
| T 14 | 11 28 | 22 12 | 1 1 | 16 5 | 2 3 | 20 26 | 0 20 | 6 9 | 0 47 | 23 23 | 0 5 | 22 50 | 0 42 | 22 33 | 0 28 | 18 56 | 1 38 | 14 17 | 17 38 | 22 52 | 22 48 | 13 47 | 2 4 | 4 27 |
| W15 | 11 7 | 22 53 | 0n11 | 16 19 | 1 49 | 20 12 | 0 23 | 5 50 | 0 46 | 23 22 | 0 5 | 22 50 | 0 42 | 22 33 | 0 28 | 18 56 | 1 38 | 14 18 | 17 39 | 22 52 | 22 48 | 13 45 | 2 3 | 4 27 |
| T 16 | 10 45 | 22 9 | 1 24 | 16 31 | 1 35 | 19 58 | 0 26 | 5 32 | 0 46 | 23 22 | 0 4 | 22 50 | 0 42 | 22 33 | 0 28 | 18 56 | 1 38 | 14 19 | 17 39 | 22 52 | 22 47 | 13 42 | 2 2 | 4 27 |
| F 17 | 10 24 | 19 56 | 2 34 | 16 41 | 1 22 | 19 43 | 0 28 | 5 13 | 0 45 | 23 21 | 0 4 | 22 50 | 0 42 | 22 32 | 0 28 | 18 56 | 1 38 | 14 20 | 17 39 | 22 51 | 22 47 | 13 40 | 2 1 | 4 27 |
| S 18 | 10 2 | 16 22 | 3 36 | 16 50 | 1 8 | 19 28 | 0 31 | 4 54 | 0 45 | 23 21 | 0 4 | 22 50 | 0 42 | 22 32 | 0 28 | 18 56 | 1 38 | 14 20 | 17 40 | 22 51 | 22 47 | 13 38 | 1 59 | 4 27 |
| S 19 | 9 40 | 11 40 | 4 23 | 16 57 | 0 55 | 19 12 | 0 34 | 4 36 | 0 44 | 23 21 | 0 4 | 22 50 | 0 42 | 22 31 | 0 28 | 18 56 | 1 38 | 14 21 | 17 40 | 22 50 | 22 46 | 13 36 | 1 58 | 4 26 |
| M20 | 9 18 | 6 14 | 4 52 | 17 2 | 0 42 | 18 55 | 0 36 | 4 17 | 0 44 | 23 20 | 0 4 | 22 50 | 0 42 | 22 31 | 0 28 | 18 56 | 1 38 | 14 22 | 17 40 | 22 49 | 22 46 | 13 33 | 1 57 | 4 26 |
| T 21 | 8 55 | 0 27 | 5 0 | 17 6 | 0 29 | 18 38 | 0 39 | 3 58 | 0 43 | 23 20 | 0 4 | 22 50 | 0 42 | 22 31 | 0 28 | 18 56 | 1 38 | 14 23 | 17 41 | 22 48 | 22 46 | 13 31 | 1 55 | 4 26 |
| W22 | 8 33 | 5n16 | 4 48 | 17 8 | 0 17 | 18 21 | 0 41 | 3 39 | 0 42 | 23 20 | 0 4 | 22 50 | 0 42 | 22 30 | 0 28 | 18 56 | 1 38 | 14 24 | 17 41 | 22 46 | 22 45 | 13 29 | 1 54 | 4 26 |
| T 23 | 8 11 | 10 32 | 4 17 | 17 8 | 0 5 | 18 3 | 0 44 | 3 21 | 0 42 | 23 19 | 0 4 | 22 50 | 0 42 | 22 30 | 0 28 | 18 56 | 1 38 | 14 25 | 17 41 | 22 45 | 22 45 | 13 26 | 1 53 | 4 26 |
| F 24 | 7 48 | 15 4 | 3 32 | 17 7 | 0s 6 | 17 44 | 0 46 | 3 2 | 0 41 | 23 19 | 0 4 | 22 50 | 0 42 | 22 30 | 0 28 | 18 56 | 1 38 | 14 25 | 17 42 | 22 45 | 22 45 | 13 24 | 1 52 | 4 26 |
| S 25 | 7 25 | 18 39 | 2 36 | 17 4 | 0 17 | 17 25 | 0 48 | 2 43 | 0 41 | 23 18 | 0 4 | 22 50 | 0 42 | 22 29 | 0 28 | 18 56 | 1 39 | 14 26 | 17 42 | 22 44 | 22 44 | 13 22 | 1 50 | 4 26 |
| S 26 | 7 2 | 21 9 | 1 33 | 16 59 | 0 28 | 17 5 | 0 50 | 2 24 | 0 40 | 23 18 | 0 3 | 22 49 | 0 42 | 22 29 | 0 28 | 18 56 | 1 39 | 14 27 | 17 42 | 22 44 | 22 44 | 13 20 | 1 49 | 4 26 |
| M27 | 6 39 | 22 30 | 0 28 | 16 53 | 0 38 | 16 45 | 0 53 | 2 5 | 0 40 | 23 17 | 0 3 | 22 49 | 0 42 | 22 29 | 0 28 | 18 56 | 1 39 | 14 28 | 17 42 | 22 44 | 22 44 | 13 17 | 1 48 | 4 26 |
| T 28 | 6 16 | 22 43 | 0s37 | 16 45 | 0 48 | 16 25 | 0 55 | 1 47 | 0 39 | 23 17 | 0 3 | 22 49 | 0 42 | 22 28 | 0 28 | 18 56 | 1 39 | 14 29 | 17 43 | 22 44 | 22 43 | 13 15 | 1 46 | 4 26 |
| W29 | 5s53 | 21n51 | 1s39 | 16s36 | 0s57 | 16s 4 | 0s57 | 1s28 | 0s38 | 23s16 | 0n 3 | 22s49 | 0n42 | 22s28 | 0s28 | 18s56 | 1n39 | 14n29 | 17n43 | 22s44 | 22s43 | 13n13 | 1s45 | 4n26 |

Julian Day Number = 2081955.5, Delta T = 25m23s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'13, Lahiri = 9°45'13 Julian Calendar 1 Feb. 988 == Greg. Calendar 6 Feb. 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## MARCH 988 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 56 44 | 16♓ 7'25 | 16♋ 6 | 18♒28 | 20♒23 | 28♓34 | 8♑ 8 | 3♑43 | 20♑32 | 1°R21 | 4°R17 | 15°R 1 | 14♐53 | 11♌52 | 15♓20 | T 1 |
| F 2 | 11 0 40 | 17° 6'53 | 27°56 | 19°33 | 21°37 | 29°19 | 8°17 | 3°46 | 20°35 | 1♐20 | 4♎16 | 14♐56 | 14°50 | 11°59 | 15°24 | F 2 |
| S 3 | 11 4 37 | 18° 6'19 | 9♌45 | 20°40 | 22°50 | 0♈ 5 | 8°26 | 3°50 | 20°37 | 1°20 | 4°14 | 14°48 | 14°46 | 12° 6 | 15°27 | S 3 |
| S 4 | 11 8 33 | 19° 5'42 | 21°37 | 21°49 | 24° 4 | 0°50 | 8°35 | 3°53 | 20°39 | 1°20 | 4°12 | 14°37 | 14°43 | 12°12 | 15°31 | S 4 |
| M 5 | 11 12 30 | 20° 5'03 | 3♍34 | 23° 1 | 25°18 | 1°36 | 8°43 | 3°56 | 20°41 | 1°20 | 4°11 | 14°24 | 14°40 | 12°19 | 15°35 | M 5 |
| T 6 | 11 16 27 | 21° 4'22 | 15°39 | 24°14 | 26°31 | 2°21 | 8°51 | 4° 0 | 20°44 | 1°20 | 4° 9 | 14°10 | 14°37 | 12°26 | 15°38 | T 6 |
| W 7 | 11 20 23 | 22° 3'39 | 27°52 | 25°30 | 27°45 | 3° 6 | 9° 0 | 4° 3 | 20°46 | 1°19 | 4° 7 | 13°56 | 14°34 | 12°32 | 15°42 | W 7 |
| T 8 | 11 24 20 | 23° 2'54 | 10♎14 | 26°47 | 28°59 | 3°52 | 9° 8 | 4° 6 | 20°48 | 1°19 | 4° 6 | 13°43 | 14°30 | 12°39 | 15°45 | T 8 |
| F 9 | 11 28 16 | 24° 2'07 | 22°46 | 28° 6 | 0♓13 | 4°37 | 9°16 | 4° 9 | 20°50 | 1°19 | 4° 4 | 13°33 | 14°27 | 12°46 | 15°49 | F 9 |
| S 10 | 11 32 13 | 25° 1'18 | 5♏28 | 29°28 | 1°26 | 5°22 | 9°24 | 4°11 | 20°52 | 1°18 | 4° 3 | 13°25 | 14°24 | 12°53 | 15°52 | S 10 |
| S 11 | 11 36 9 | 26° 0'27 | 18°21 | 0♓50 | 2°40 | 6° 7 | 9°31 | 4°14 | 20°54 | 1°18 | 4° 1 | 13°20 | 14°21 | 12°59 | 15°56 | S 11 |
| M12 | 11 40 6 | 26°59'34 | 1♐27 | 2°15 | 3°54 | 6°52 | 9°39 | 4°17 | 20°56 | 1°17 | 3°59 | 13°18 | 14°18 | 13° 6 | 15°59 | M12 |
| T 13 | 11 44 2 | 27°58'39 | 14°47 | 3°41 | 5° 7 | 7°37 | 9°46 | 4°20 | 20°58 | 1°17 | 3°58 | 13°D18 | 14°15 | 13°13 | 16° 3 | T 13 |
| W14 | 11 47 59 | 28°57'43 | 28°25 | 5° 9 | 6°21 | 8°22 | 9°53 | 4°22 | 20°59 | 1°16 | 3°56 | 13°R18 | 14°11 | 13°19 | 16° 6 | W14 |
| T 15 | 11 51 56 | 29°56'45 | 12♑21 | 6°38 | 7°35 | 9° 7 | 10° 1 | 4°24 | 21° 1 | 1°16 | 3°54 | 13°17 | 14° 8 | 13°26 | 16°10 | T 15 |
| F 16 | 11 55 52 | 0♈55'45 | 26°36 | 8° 9 | 8°48 | 9°52 | 10° 8 | 4°27 | 21° 3 | 1°15 | 3°53 | 13°15 | 14° 5 | 13°33 | 16°14 | F 16 |
| S 17 | 11 59 49 | 1°54'43 | 11♒ 8 | 9°42 | 10° 2 | 10°37 | 10°14 | 4°29 | 21° 5 | 1°15 | 3°51 | 13°10 | 14° 2 | 13°39 | 16°17 | S 17 |
| S 18 | 12 3 45 | 2°53'39 | 25°54 | 11°16 | 11°16 | 11°22 | 10°21 | 4°31 | 21° 6 | 1°14 | 3°49 | 13° 3 | 13°59 | 13°46 | 16°20 | S 18 |
| M19 | 12 7 42 | 3°52'34 | 10♓46 | 12°52 | 12°29 | 12° 7 | 10°28 | 4°33 | 21° 8 | 1°13 | 3°47 | 12°54 | 13°56 | 13°53 | 16°24 | M19 |
| T 20 | 12 11 38 | 4°51'26 | 25°37 | 14°29 | 13°43 | 12°51 | 10°34 | 4°35 | 21°10 | 1°13 | 3°46 | 12°43 | 13°52 | 14° 0 | 16°27 | T 20 |
| W21 | 12 15 35 | 5°50'17 | 10♈17 | 16° 8 | 14°57 | 13°36 | 10°40 | 4°37 | 21°11 | 1°12 | 3°44 | 12°33 | 13°49 | 14° 6 | 16°31 | W21 |
| T 22 | 12 19 31 | 6°49'05 | 24°40 | 17°48 | 16°11 | 14°21 | 10°46 | 4°39 | 21°12 | 1°11 | 3°42 | 12°24 | 13°46 | 14°13 | 16°34 | T 22 |
| F 23 | 12 23 28 | 7°47'51 | 8♉38 | 19°30 | 17°24 | 15° 5 | 10°52 | 4°40 | 21°14 | 1°10 | 3°41 | 12°17 | 13°43 | 14°20 | 16°38 | F 23 |
| S 24 | 12 27 24 | 8°46'35 | 22°11 | 21°13 | 18°38 | 15°50 | 10°58 | 4°42 | 21°15 | 1°10 | 3°39 | 12°13 | 13°40 | 14°26 | 16°41 | S 24 |
| S 25 | 12 31 21 | 9°45'17 | 5♊17 | 22°58 | 19°52 | 16°34 | 11° 3 | 4°43 | 21°17 | 1° 9 | 3°37 | 12°12 | 13°36 | 14°33 | 16°44 | S 25 |
| M26 | 12 35 18 | 10°43'57 | 17°58 | 24°45 | 21° 5 | 17°19 | 11° 9 | 4°45 | 21°18 | 1° 8 | 3°36 | 12°D11 | 13°33 | 14°40 | 16°48 | M26 |
| T 27 | 12 39 14 | 11°42'35 | 0♋20 | 26°33 | 22°19 | 18° 3 | 11°14 | 4°46 | 21°19 | 1° 7 | 3°34 | 12°12 | 13°30 | 14°47 | 16°51 | T 27 |
| W28 | 12 43 11 | 12°41'10 | 12°26 | 28°23 | 23°33 | 18°47 | 11°19 | 4°47 | 21°20 | 1° 6 | 3°32 | 12°R13 | 13°27 | 14°53 | 16°54 | W28 |
| T 29 | 12 47 7 | 13°39'43 | 24°22 | 0♈14 | 24°46 | 19°32 | 11°24 | 4°48 | 21°21 | 1° 5 | 3°31 | 12°12 | 13°24 | 15° 0 | 16°58 | T 29 |
| F 30 | 12 51 4 | 14°38'14 | 6♌13 | 2° 7 | 26° 0 | 20°16 | 11°29 | 4°49 | 21°23 | 1° 4 | 3°29 | 12° 9 | 13°21 | 15° 7 | 17° 1 | F 30 |
| S 31 | 12 55 0 | 15♈36'42 | 18♌ 4 | 4♈ 1 | 27♓14 | 21♈ 0 | 11♑33 | 4♑50 | 21♑24 | 1♐ 3 | 3♎27 | 12♐ 5 | 13♐17 | 15♌13 | 17♓ 4 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s30 | 20n 1 | 2s36 | 16s25 | 1s 6 | 15s42 | 0s59 | 1s 9 | 0s38 | 23s16 | 0n 3 | 22s49 | 0n42 | 22s28 | 0s28 | 18s56 | 1n39 | 14n30 | 17n43 | 22s43 | 22s42 | 13n10 | 1s44 | 4n26 |
| F 2 | 5 7 | 17 20 | 3 26 | 16 13 | 1 14 | 15 20 | 1 1 | 0 50 | 0 37 | 23 16 | 0 3 | 22 49 | 0 42 | 22 27 | 0 28 | 18 56 | 1 39 | 14 31 | 17 43 | 22 43 | 22 42 | 13 8 | 1 42 | 4 26 |
| S 3 | 4 44 | 13 57 | 4 6 | 15 59 | 1 22 | 14 58 | 1 3 | 0 32 | 0 37 | 23 15 | 0 3 | 22 49 | 0 42 | 22 27 | 0 28 | 18 56 | 1 39 | 14 32 | 17 43 | 22 42 | 22 42 | 13 6 | 1 41 | 4 26 |
| S 4 | 4 20 | 10 1 | 4 36 | 15 43 | 1 30 | 14 35 | 1 5 | 0 13 | 0 36 | 23 15 | 0 3 | 22 49 | 0 42 | 22 27 | 0 29 | 18 56 | 1 39 | 14 33 | 17 44 | 22 41 | 22 41 | 13 4 | 1 39 | 4 26 |
| M 5 | 3 57 | 5 41 | 4 54 | 15 27 | 1 37 | 14 12 | 1 7 | 0n 6 | 0 35 | 23 14 | 0 3 | 22 49 | 0 42 | 22 26 | 0 29 | 18 55 | 1 39 | 14 33 | 17 44 | 22 39 | 22 41 | 13 1 | 1 38 | 4 26 |
| T 6 | 3 33 | 1 5 | 5 0 | 15 8 | 1 43 | 13 49 | 1 8 | 0 24 | 0 35 | 23 14 | 0 3 | 22 49 | 0 42 | 22 26 | 0 29 | 18 55 | 1 39 | 14 34 | 17 44 | 22 38 | 22 41 | 12 59 | 1 37 | 4 26 |
| W 7 | 3 10 | 3s36 | 4 51 | 14 48 | 1 49 | 13 25 | 1 10 | 0 43 | 0 34 | 23 13 | 0 2 | 22 49 | 0 42 | 22 26 | 0 29 | 18 55 | 1 39 | 14 35 | 17 44 | 22 36 | 22 40 | 12 57 | 1 35 | 4 26 |
| T 8 | 2 46 | 8 11 | 4 29 | 14 27 | 1 55 | 13 1 | 1 12 | 1 2 | 0 34 | 23 13 | 0 2 | 22 48 | 0 42 | 22 25 | 0 29 | 18 55 | 1 39 | 14 36 | 17 44 | 22 34 | 22 40 | 12 54 | 1 34 | 4 26 |
| F 9 | 2 23 | 12 30 | 3 53 | 14 4 | 2 0 | 12 36 | 1 13 | 1 20 | 0 33 | 23 12 | 0 2 | 22 48 | 0 42 | 22 25 | 0 29 | 18 55 | 1 39 | 14 37 | 17 44 | 22 33 | 22 40 | 12 52 | 1 33 | 4 26 |
| S 10 | 1 59 | 16 20 | 3 6 | 13 40 | 2 5 | 12 11 | 1 15 | 1 39 | 0 32 | 23 12 | 0 2 | 22 48 | 0 42 | 22 25 | 0 29 | 18 55 | 1 39 | 14 37 | 17 44 | 22 32 | 22 39 | 12 50 | 1 31 | 4 26 |
| S 11 | 1 36 | 19 26 | 2 8 | 13 15 | 2 9 | 11 46 | 1 16 | 1 57 | 0 32 | 23 12 | 0 2 | 22 48 | 0 42 | 22 25 | 0 29 | 18 55 | 1 39 | 14 38 | 17 45 | 22 31 | 22 39 | 12 47 | 1 30 | 4 26 |
| M12 | 1 12 | 21 35 | 1 2 | 12 48 | 2 13 | 11 20 | 1 18 | 2 16 | 0 31 | 23 11 | 0 2 | 22 48 | 0 42 | 22 24 | 0 29 | 18 55 | 1 39 | 14 39 | 17 45 | 22 31 | 22 38 | 12 45 | 1 29 | 4 26 |
| T 13 | 0 49 | 22 34 | 0n 8 | 12 19 | 2 16 | 10 55 | 1 19 | 2 34 | 0 31 | 23 11 | 0 2 | 22 48 | 0 42 | 22 24 | 0 29 | 18 54 | 1 39 | 14 40 | 17 45 | 22 31 | 22 38 | 12 43 | 1 27 | 4 26 |
| W14 | 0 25 | 22 14 | 1 19 | 11 49 | 2 19 | 10 28 | 1 20 | 2 53 | 0 30 | 23 10 | 0 2 | 22 48 | 0 42 | 22 24 | 0 29 | 18 54 | 1 39 | 14 40 | 17 45 | 22 31 | 22 38 | 12 40 | 1 26 | 4 26 |
| T 15 | 0 1 | 20 33 | 2 28 | 11 18 | 2 21 | 10 2 | 1 21 | 3 11 | 0 29 | 23 10 | 0 2 | 22 48 | 0 42 | 22 23 | 0 29 | 18 54 | 1 39 | 14 41 | 17 45 | 22 31 | 22 37 | 12 38 | 1 25 | 4 26 |
| F 16 | 0n22 | 17 32 | 3 28 | 10 46 | 2 23 | 9 35 | 1 23 | 3 29 | 0 29 | 23 9 | 0 1 | 22 48 | 0 42 | 22 23 | 0 29 | 18 54 | 1 39 | 14 42 | 17 45 | 22 31 | 22 37 | 12 36 | 1 23 | 4 26 |
| S 17 | 0 46 | 13 25 | 4 17 | 10 12 | 2 24 | 9 8 | 1 24 | 3 48 | 0 28 | 23 9 | 0 1 | 22 48 | 0 42 | 22 23 | 0 29 | 18 54 | 1 40 | 14 42 | 17 45 | 22 30 | 22 37 | 12 33 | 1 22 | 4 26 |
| S 18 | 1 9 | 8 25 | 4 49 | 9 37 | 2 25 | 8 41 | 1 25 | 4 6 | 0 28 | 23 9 | 0 1 | 22 48 | 0 42 | 22 23 | 0 29 | 18 54 | 1 40 | 14 43 | 17 45 | 22 29 | 22 36 | 12 31 | 1 20 | 4 26 |
| M19 | 1 33 | 2 55 | 5 2 | 9 0 | 2 25 | 8 14 | 1 26 | 4 24 | 0 27 | 23 8 | 0 1 | 22 48 | 0 42 | 22 23 | 0 29 | 18 54 | 1 40 | 14 44 | 17 45 | 22 28 | 22 36 | 12 29 | 1 19 | 4 26 |
| T 20 | 1 56 | 2n45 | 4 55 | 8 22 | 2 25 | 7 46 | 1 26 | 4 42 | 0 26 | 23 8 | 0 1 | 22 48 | 0 42 | 22 22 | 0 29 | 18 53 | 1 40 | 14 44 | 17 45 | 22 27 | 22 35 | 12 27 | 1 18 | 4 26 |
| W21 | 2 20 | 8 12 | 4 28 | 7 43 | 2 24 | 7 18 | 1 27 | 5 0 | 0 26 | 23 7 | 0 1 | 22 48 | 0 42 | 22 22 | 0 29 | 18 53 | 1 40 | 14 45 | 17 45 | 22 25 | 22 35 | 12 24 | 1 16 | 4 26 |
| T 22 | 2 43 | 13 5 | 3 45 | 7 3 | 2 23 | 6 50 | 1 28 | 5 18 | 0 25 | 23 7 | 0 1 | 22 47 | 0 42 | 22 22 | 0 29 | 18 53 | 1 40 | 14 46 | 17 45 | 22 24 | 22 35 | 12 22 | 1 15 | 4 26 |
| F 23 | 3 7 | 17 7 | 2 49 | 6 21 | 2 22 | 6 22 | 1 29 | 5 36 | 0 24 | 23 7 | 0 1 | 22 47 | 0 42 | 22 22 | 0 29 | 18 53 | 1 40 | 14 46 | 17 45 | 22 23 | 22 34 | 12 20 | 1 14 | 4 26 |
| S 24 | 3 30 | 20 6 | 1 45 | 5 38 | 2 19 | 5 53 | 1 29 | 5 54 | 0 24 | 23 6 | 0 1 | 22 47 | 0 42 | 22 22 | 0 29 | 18 53 | 1 40 | 14 47 | 17 45 | 22 23 | 22 34 | 12 17 | 1 12 | 4 26 |
| S 25 | 3 53 | 21 54 | 0 37 | 4 54 | 2 17 | 5 25 | 1 30 | 6 12 | 0 23 | 23 6 | 0 0 | 22 47 | 0 42 | 22 21 | 0 29 | 18 52 | 1 40 | 14 48 | 17 45 | 22 23 | 22 33 | 12 15 | 1 11 | 4 26 |
| M26 | 4 16 | 22 31 | 0s31 | 4 8 | 2 13 | 4 56 | 1 30 | 6 29 | 0 23 | 23 6 | 0 0 | 22 47 | 0 42 | 22 21 | 0 29 | 18 52 | 1 40 | 14 48 | 17 45 | 22 23 | 22 33 | 12 13 | 1 10 | 4 26 |
| T 27 | 4 39 | 21 59 | 1 35 | 3 22 | 2 10 | 4 27 | 1 30 | 6 47 | 0 22 | 23 5 | 0 0 | 22 47 | 0 42 | 22 21 | 0 29 | 18 52 | 1 40 | 14 49 | 17 45 | 22 23 | 22 33 | 12 10 | 1 8 | 4 26 |
| W28 | 5 2 | 20 25 | 2 34 | 2 34 | 2 5 | 3 58 | 1 31 | 7 4 | 0 21 | 23 5 | 0 0 | 22 47 | 0 42 | 22 21 | 0 29 | 18 52 | 1 40 | 14 49 | 17 45 | 22 23 | 22 32 | 12 8 | 1 7 | 4 26 |
| T 29 | 5 25 | 17 59 | 3 26 | 1 45 | 2 1 | 3 29 | 1 31 | 7 22 | 0 21 | 23 5 | 0s 0 | 22 47 | 0 42 | 22 21 | 0 29 | 18 51 | 1 40 | 14 50 | 17 45 | 22 23 | 22 32 | 12 6 | 1 6 | 4 26 |
| F 30 | 5 48 | 14 49 | 4 8 | 0 55 | 1 55 | 3 0 | 1 31 | 7 39 | 0 20 | 23 4 | 0 0 | 22 47 | 0 42 | 22 21 | 0 29 | 18 51 | 1 40 | 14 51 | 17 45 | 22 22 | 22 31 | 12 3 | 1 4 | 4 26 |
| S 31 | 6n11 | 11n 4 | 4s39 | 0s 4 | 1s49 | 2s30 | 1s31 | 7n56 | 0s19 | 23s 4 | 0s 0 | 22s47 | 0n42 | 22s20 | 0s29 | 18s51 | 1n40 | 14n51 | 17n44 | 22s22 | 22s31 | 12n 1 | 1s 3 | 4n26 |

Julian Day Number = 2081984.5, Delta T = 25m22s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'17, Lahiri = 9°45'17 Julian Calendar 1 March 988 == Greg. Calendar 6 March 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## APRIL 988 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 58 57 | 16♈35'09 | 29♌59 | 5♈57 | 28♓27 | 21♈44 | 11♉38 | 4♉51 | 21♉25 | 1°R 2 | 3°R26 | 11°R58 | 13♐14 | 15♌20 | 17♓ 7 | S 1 |
| M 2 | 13 2 53 | 17°33'33 | 12♍ 2 | 7°55 | 29°41 | 22°28 | 11°42 | 4°51 | 21°25 | 1♐ 1 | 3♎24 | 11♐49 | 13°11 | 15°27 | 17°11 | M 2 |
| T 3 | 13 6 50 | 18°31'55 | 24°14 | 9°54 | 0♈54 | 23°12 | 11°46 | 4°52 | 21°26 | 1° 0 | 3°23 | 11°39 | 13° 8 | 15°33 | 17°14 | T 3 |
| W 4 | 13 10 47 | 19°30'15 | 6♎39 | 11°55 | 2° 8 | 23°56 | 11°50 | 4°52 | 21°27 | 0°59 | 3°21 | 11°30 | 13° 5 | 15°40 | 17°17 | W 4 |
| T 5 | 13 14 43 | 20°28'33 | 19°15 | 13°57 | 3°22 | 24°40 | 11°54 | 4°53 | 21°28 | 0°58 | 3°19 | 11°21 | 13° 1 | 15°47 | 17°20 | T 5 |
| F 6 | 13 18 40 | 21°26'50 | 2♏ 5 | 16° 1 | 4°35 | 25°24 | 11°57 | 4°53 | 21°29 | 0°57 | 3°18 | 11°13 | 12°58 | 15°54 | 17°23 | F 6 |
| S 7 | 13 22 36 | 22°25'04 | 15° 6 | 18° 6 | 5°49 | 26° 8 | 12° 1 | 4°53 | 21°29 | 0°56 | 3°16 | 11° 8 | 12°55 | 16° 0 | 17°26 | S 7 |
| S 8 | 13 26 33 | 23°23'17 | 28°19 | 20°12 | 7° 2 | 26°51 | 12° 4 | 4°R53 | 21°30 | 0°55 | 3°15 | 11° 5 | 12°52 | 16° 7 | 17°29 | S 8 |
| M 9 | 13 30 29 | 24°21'29 | 11♐44 | 22°19 | 8°16 | 27°35 | 12° 7 | 4°53 | 21°31 | 0°53 | 3°13 | 11°D 5 | 12°49 | 16°14 | 17°32 | M 9 |
| T 10 | 13 34 26 | 25°19'38 | 25°20 | 24°27 | 9°30 | 28°19 | 12°10 | 4°53 | 21°31 | 0°52 | 3°12 | 11° 5 | 12°46 | 16°20 | 17°35 | T 10 |
| W11 | 13 38 22 | 26°17'47 | 9♑ 7 | 26°36 | 10°43 | 29° 2 | 12°12 | 4°53 | 21°32 | 0°51 | 3°10 | 11° 7 | 12°42 | 16°27 | 17°38 | W11 |
| T 12 | 13 42 19 | 27°15'53 | 23° 5 | 28°45 | 11°57 | 29°46 | 12°15 | 4°53 | 21°32 | 0°50 | 3° 8 | 11°R 7 | 12°39 | 16°34 | 17°41 | T 12 |
| F 13 | 13 46 16 | 28°13'59 | 7♒14 | 0♉55 | 13°11 | 0♉29 | 12°17 | 4°52 | 21°33 | 0°48 | 3° 7 | 11° 7 | 12°36 | 16°41 | 17°44 | F 13 |
| S 14 | 13 50 12 | 29°12'03 | 21°32 | 3° 5 | 14°24 | 1°13 | 12°19 | 4°52 | 21°33 | 0°47 | 3° 6 | 11° 5 | 12°33 | 16°47 | 17°47 | S 14 |
| S 15 | 13 54 9 | 0♉10'05 | 5♓56 | 5°14 | 15°38 | 1°56 | 12°21 | 4°51 | 21°33 | 0°46 | 3° 4 | 11° 2 | 12°30 | 16°54 | 17°50 | S 15 |
| M16 | 13 58 5 | 1° 8'06 | 20°23 | 7°23 | 16°51 | 2°39 | 12°23 | 4°51 | 21°33 | 0°44 | 3° 3 | 10°56 | 12°27 | 17° 1 | 17°53 | M16 |
| T 17 | 14 2 2 | 2° 6'06 | 4♈46 | 9°32 | 18° 5 | 3°23 | 12°25 | 4°50 | 21°34 | 0°43 | 3° 1 | 10°51 | 12°23 | 17° 7 | 17°55 | T 17 |
| W18 | 14 5 58 | 3° 4'04 | 19° 2 | 11°39 | 19°19 | 4° 6 | 12°26 | 4°49 | 21°34 | 0°42 | 3° 0 | 10°45 | 12°20 | 17°14 | 17°58 | W18 |
| T 19 | 14 9 55 | 4° 2'01 | 3♉ 3 | 13°45 | 20°32 | 4°49 | 12°27 | 4°48 | 21°34 | 0°40 | 2°58 | 10°40 | 12°17 | 17°21 | 18° 1 | T 19 |
| F 20 | 14 13 51 | 4°59'56 | 16°46 | 15°49 | 21°46 | 5°32 | 12°28 | 4°47 | 21°R34 | 0°39 | 2°57 | 10°36 | 12°14 | 17°27 | 18° 4 | F 20 |
| S 21 | 14 17 48 | 5°57'49 | 0♊ 9 | 17°51 | 22°59 | 6°15 | 12°29 | 4°46 | 21°34 | 0°37 | 2°56 | 10°34 | 12°11 | 17°34 | 18° 6 | S 21 |
| S 22 | 14 21 45 | 6°55'41 | 13°10 | 19°51 | 24°13 | 6°58 | 12°29 | 4°44 | 21°34 | 0°36 | 2°54 | 10°D33 | 12° 7 | 17°41 | 18° 9 | S 22 |
| M23 | 14 25 41 | 7°53'31 | 25°50 | 21°49 | 25°27 | 7°41 | 12°30 | 4°43 | 21°34 | 0°35 | 2°53 | 10°34 | 12° 4 | 17°48 | 18°11 | M23 |
| T 24 | 14 29 38 | 8°51'20 | 8♋13 | 23°44 | 26°40 | 8°24 | 12°30 | 4°42 | 21°34 | 0°33 | 2°52 | 10°36 | 12° 1 | 17°54 | 18°14 | T 24 |
| W25 | 14 33 34 | 9°49'06 | 20°21 | 25°36 | 27°54 | 9° 7 | 12°R30 | 4°40 | 21°33 | 0°32 | 2°50 | 10°37 | 11°58 | 18° 1 | 18°16 | W25 |
| T 26 | 14 37 31 | 10°46'51 | 2♌19 | 27°26 | 29° 7 | 9°50 | 12°30 | 4°38 | 21°33 | 0°30 | 2°49 | 10°39 | 11°55 | 18° 8 | 18°19 | T 26 |
| F 27 | 14 41 27 | 11°44'35 | 14°12 | 29°13 | 0♉21 | 10°33 | 12°30 | 4°37 | 21°33 | 0°29 | 2°48 | 10°R39 | 11°52 | 18°14 | 18°21 | F 27 |
| S 28 | 14 45 24 | 12°42'16 | 26° 5 | 0♊56 | 1°34 | 11°16 | 12°29 | 4°35 | 21°33 | 0°27 | 2°47 | 10°38 | 11°48 | 18°21 | 18°24 | S 28 |
| S 29 | 14 49 20 | 13°39'56 | 8♍ 2 | 2°37 | 2°48 | 11°58 | 12°28 | 4°33 | 21°32 | 0°26 | 2°46 | 10°36 | 11°45 | 18°28 | 18°26 | S 29 |
| M30 | 14 53 17 | 14♉37'34 | 20♍ 8 | 4♊14 | 4♉ 2 | 12♉41 | 12♉27 | 4♉31 | 21♉32 | 0♐24 | 2♎44 | 10♐33 | 11♐42 | 18♌35 | 18♓28 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n33 | 6n52 | 4s59 | 0n48 | 1s43 | 2s 1 | 1s31 | 8n14 | 0s19 | 23s 4 | 0s 0 | 22s47 | 0n42 | 22s20 | 0s29 | 18s51 | 1n40 | 14n52 | 17n44 | 22s21 | 22s31 | 11n59 | 1s 2 | 4n26 |
| M 2 | 6 56 | 2 23 | 5 5 | 1 41 | 1 36 | 1 31 | 1 31 | 8 31 | 0 18 | 23 4 | 0 1 | 22 47 | 0 42 | 22 20 | 0 29 | 18 50 | 1 40 | 14 52 | 17 44 | 22 20 | 22 30 | 11 56 | 1 0 | 4 26 |
| T 3 | 7 18 | 2s15 | 4 58 | 2 35 | 1 29 | 1 2 | 1 31 | 8 48 | 0 18 | 23 3 | 0 1 | 22 47 | 0 42 | 22 20 | 0 29 | 18 50 | 1 40 | 14 53 | 17 44 | 22 18 | 22 30 | 11 54 | 0 59 | 4 26 |
| W 4 | 7 40 | 6 53 | 4 37 | 3 30 | 1 21 | 0 32 | 1 31 | 9 4 | 0 17 | 23 3 | 0 1 | 22 47 | 0 42 | 22 20 | 0 29 | 18 50 | 1 40 | 14 53 | 17 44 | 22 17 | 22 30 | 11 52 | 0 58 | 4 26 |
| T 5 | 8 2 | 11 18 | 4 2 | 4 25 | 1 13 | 0 3 | 1 31 | 9 21 | 0 16 | 23 3 | 0 1 | 22 47 | 0 42 | 22 20 | 0 29 | 18 50 | 1 40 | 14 54 | 17 44 | 22 16 | 22 29 | 11 49 | 0 56 | 4 27 |
| F 6 | 8 24 | 15 17 | 3 14 | 5 21 | 1 4 | 0n27 | 1 30 | 9 38 | 0 16 | 23 3 | 0 1 | 22 47 | 0 42 | 22 20 | 0 30 | 18 49 | 1 40 | 14 54 | 17 44 | 22 15 | 22 29 | 11 47 | 0 55 | 4 27 |
| S 7 | 8 46 | 18 36 | 2 15 | 6 17 | 0 55 | 0 57 | 1 30 | 9 55 | 0 15 | 23 3 | 0 1 | 22 47 | 0 42 | 22 20 | 0 30 | 18 49 | 1 40 | 14 55 | 17 43 | 22 14 | 22 28 | 11 44 | 0 54 | 4 27 |
| S 8 | 9 8 | 21 0 | 1 8 | 7 14 | 0 46 | 1 26 | 1 30 | 10 11 | 0 14 | 23 2 | 0 1 | 22 47 | 0 42 | 22 20 | 0 30 | 18 49 | 1 40 | 14 55 | 17 43 | 22 14 | 22 28 | 11 42 | 0 53 | 4 27 |
| M 9 | 9 30 | 22 15 | 0n 4 | 8 11 | 0 36 | 1 56 | 1 29 | 10 27 | 0 14 | 23 2 | 0 1 | 22 47 | 0 42 | 22 20 | 0 30 | 18 49 | 1 40 | 14 56 | 17 43 | 22 14 | 22 27 | 11 40 | 0 51 | 4 27 |
| T 10 | 9 51 | 22 13 | 1 16 | 9 8 | 0 26 | 2 26 | 1 29 | 10 44 | 0 13 | 23 2 | 0 2 | 22 47 | 0 42 | 22 20 | 0 30 | 18 48 | 1 40 | 14 56 | 17 43 | 22 14 | 22 27 | 11 37 | 0 50 | 4 27 |
| W11 | 10 12 | 20 50 | 2 26 | 10 4 | 0 15 | 2 55 | 1 28 | 11 0 | 0 12 | 23 2 | 0 2 | 22 47 | 0 42 | 22 20 | 0 30 | 18 48 | 1 40 | 14 56 | 17 43 | 22 14 | 22 27 | 11 35 | 0 49 | 4 27 |
| T 12 | 10 33 | 18 10 | 3 27 | 11 1 | 0 5 | 3 25 | 1 27 | 11 16 | 0 12 | 23 2 | 0 2 | 22 47 | 0 42 | 22 19 | 0 30 | 18 48 | 1 40 | 14 57 | 17 42 | 22 14 | 22 26 | 11 33 | 0 48 | 4 27 |
| F 13 | 10 54 | 14 25 | 4 17 | 11 57 | 0n 6 | 3 54 | 1 26 | 11 32 | 0 11 | 23 2 | 0 2 | 22 47 | 0 42 | 22 19 | 0 30 | 18 47 | 1 41 | 14 57 | 17 42 | 22 14 | 22 26 | 11 30 | 0 46 | 4 27 |
| S 14 | 11 15 | 9 48 | 4 52 | 12 52 | 0 16 | 4 24 | 1 26 | 11 48 | 0 11 | 23 2 | 0 2 | 22 47 | 0 42 | 22 19 | 0 30 | 18 47 | 1 41 | 14 57 | 17 42 | 22 14 | 22 25 | 11 28 | 0 45 | 4 27 |
| S 15 | 11 36 | 4 36 | 5 8 | 13 46 | 0 27 | 4 53 | 1 25 | 12 3 | 0 10 | 23 2 | 0 2 | 22 47 | 0 42 | 22 19 | 0 30 | 18 47 | 1 41 | 14 58 | 17 42 | 22 13 | 22 25 | 11 26 | 0 44 | 4 28 |
| M16 | 11 56 | 0n51 | 5 5 | 14 39 | 0 38 | 5 22 | 1 24 | 12 19 | 0 9 | 23 2 | 0 2 | 22 47 | 0 42 | 22 19 | 0 30 | 18 47 | 1 41 | 14 58 | 17 41 | 22 12 | 22 25 | 11 23 | 0 43 | 4 28 |
| T 17 | 12 16 | 6 14 | 4 43 | 15 30 | 0 48 | 5 51 | 1 23 | 12 34 | 0 9 | 23 2 | 0 3 | 22 47 | 0 42 | 22 19 | 0 30 | 18 46 | 1 41 | 14 58 | 17 41 | 22 12 | 22 24 | 11 21 | 0 42 | 4 28 |
| W18 | 12 36 | 11 14 | 4 4 | 16 20 | 0 58 | 6 20 | 1 22 | 12 50 | 0 8 | 23 2 | 0 3 | 22 47 | 0 42 | 22 19 | 0 30 | 18 46 | 1 41 | 14 59 | 17 41 | 22 11 | 22 24 | 11 19 | 0 40 | 4 28 |
| T 19 | 12 56 | 15 34 | 3 10 | 17 8 | 1 8 | 6 49 | 1 21 | 13 5 | 0 7 | 23 2 | 0 3 | 22 47 | 0 42 | 22 19 | 0 30 | 18 46 | 1 41 | 14 59 | 17 41 | 22 10 | 22 23 | 11 16 | 0 39 | 4 28 |
| F 20 | 13 16 | 18 57 | 2 6 | 17 54 | 1 17 | 7 18 | 1 20 | 13 20 | 0 7 | 23 2 | 0 3 | 22 47 | 0 42 | 22 19 | 0 30 | 18 45 | 1 41 | 14 59 | 17 40 | 22 9 | 22 23 | 11 14 | 0 38 | 4 28 |
| S 21 | 13 35 | 21 13 | 0 57 | 18 37 | 1 26 | 7 46 | 1 18 | 13 35 | 0 6 | 23 2 | 0 3 | 22 48 | 0 41 | 22 19 | 0 30 | 18 45 | 1 41 | 15 0 | 17 40 | 22 9 | 22 23 | 11 12 | 0 37 | 4 28 |
| S 22 | 13 54 | 22 16 | 0s14 | 19 19 | 1 35 | 8 15 | 1 17 | 13 50 | 0 6 | 23 2 | 0 3 | 22 48 | 0 41 | 22 20 | 0 30 | 18 45 | 1 41 | 15 0 | 17 40 | 22 9 | 22 22 | 11 9 | 0 36 | 4 28 |
| M23 | 14 13 | 22 8 | 1 23 | 19 58 | 1 43 | 8 43 | 1 16 | 14 4 | 0 5 | 23 2 | 0 3 | 22 48 | 0 41 | 22 20 | 0 30 | 18 44 | 1 41 | 15 0 | 17 39 | 22 9 | 22 22 | 11 7 | 0 35 | 4 29 |
| T 24 | 14 32 | 20 54 | 2 25 | 20 35 | 1 50 | 9 11 | 1 14 | 14 19 | 0 4 | 23 2 | 0 4 | 22 48 | 0 41 | 22 20 | 0 30 | 18 44 | 1 41 | 15 0 | 17 39 | 22 9 | 22 21 | 11 4 | 0 33 | 4 29 |
| W25 | 14 50 | 18 43 | 3 21 | 21 9 | 1 56 | 9 39 | 1 13 | 14 33 | 0 4 | 23 2 | 0 4 | 22 48 | 0 41 | 22 20 | 0 30 | 18 44 | 1 41 | 15 0 | 17 39 | 22 10 | 22 21 | 11 2 | 0 32 | 4 29 |
| T 26 | 15 8 | 15 45 | 4 6 | 21 41 | 2 2 | 10 7 | 1 11 | 14 48 | 0 3 | 23 3 | 0 4 | 22 48 | 0 41 | 22 20 | 0 30 | 18 43 | 1 41 | 15 1 | 17 38 | 22 10 | 22 20 | 11 0 | 0 31 | 4 29 |
| F 27 | 15 26 | 12 11 | 4 41 | 22 10 | 2 7 | 10 34 | 1 10 | 15 2 | 0 2 | 23 3 | 0 4 | 22 48 | 0 41 | 22 20 | 0 30 | 18 43 | 1 41 | 15 1 | 17 38 | 22 10 | 22 20 | 10 57 | 0 30 | 4 29 |
| S 28 | 15 44 | 8 8 | 5 3 | 22 36 | 2 12 | 11 1 | 1 8 | 15 16 | 0 2 | 23 3 | 0 4 | 22 48 | 0 41 | 22 20 | 0 30 | 18 43 | 1 41 | 15 1 | 17 38 | 22 10 | 22 20 | 10 55 | 0 29 | 4 29 |
| S 29 | 16 2 | 3 46 | 5 13 | 23 1 | 2 15 | 11 28 | 1 7 | 15 30 | 0 1 | 23 3 | 0 4 | 22 48 | 0 41 | 22 20 | 0 30 | 18 42 | 1 41 | 15 1 | 17 37 | 22 9 | 22 19 | 10 53 | 0 28 | 4 29 |
| M30 | 16n19 | 0s48 | 5s 9 | 23n22 | 2n18 | 11n55 | 1s 5 | 15n43 | 0s 0 | 23s 3 | 0s 4 | 22s48 | 0n41 | 22s20 | 0s30 | 18s42 | 1n41 | 15n 1 | 17n37 | 22s 9 | 22s19 | 10n50 | 0s27 | 4n30 |

Julian Day Number = 2082015.5, Delta T = 25m22s
Ecliptic obliquity = 23°34'11, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'21, Lahiri = 9°45'21 Julian Calendar 1 Apr. 988 == Greg. Calendar 6 Apr. 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## MAY 988 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 57 14 | 15♉35'11 | 2♎26 | 5♊49 | 5♉15 | 13♉23 | 12°R26 | 4°R29 | 21°R31 | 0°R22 | 2°R43 | 10°R29 | 11♐39 | 18♌41 | 18♓31 | T 1 |
| W 2 | 15 1 10 | 16°32'47 | 14°58 | 7°20 | 6°29 | 14° 6 | 12♑25 | 4♑27 | 21♑31 | 0♐21 | 2♎42 | 10♐25 | 11°36 | 18°48 | 18°33 | W 2 |
| T 3 | 15 5 7 | 17°30'21 | 27°47 | 8°47 | 7°42 | 14°48 | 12°24 | 4°25 | 21°30 | 0°19 | 2°41 | 10°22 | 11°33 | 18°55 | 18°35 | T 3 |
| F 4 | 15 9 3 | 18°27'53 | 10♏53 | 10°11 | 8°56 | 15°31 | 12°22 | 4°22 | 21°29 | 0°18 | 2°40 | 10°19 | 11°29 | 19° 1 | 18°37 | F 4 |
| S 5 | 15 13 0 | 19°25'25 | 24°16 | 11°32 | 10° 9 | 16°13 | 12°20 | 4°20 | 21°29 | 0°16 | 2°39 | 10°17 | 11°26 | 19° 8 | 18°39 | S 5 |
| S 6 | 15 16 56 | 20°22'55 | 7♐53 | 12°50 | 11°23 | 16°55 | 12°18 | 4°17 | 21°28 | 0°15 | 2°38 | 10°D17 | 11°23 | 19°15 | 18°41 | S 6 |
| M 7 | 15 20 53 | 21°20'24 | 21°43 | 14° 4 | 12°37 | 17°38 | 12°16 | 4°15 | 21°27 | 0°13 | 2°37 | 10°17 | 11°20 | 19°22 | 18°43 | M 7 |
| T 8 | 15 24 49 | 22°17'53 | 5♑43 | 15°14 | 13°50 | 18°20 | 12°13 | 4°12 | 21°26 | 0°11 | 2°36 | 10°18 | 11°17 | 19°28 | 18°45 | T 8 |
| W 9 | 15 28 46 | 23°15'20 | 19°51 | 16°21 | 15° 4 | 19° 2 | 12°11 | 4°10 | 21°26 | 0°10 | 2°35 | 10°19 | 11°13 | 19°35 | 18°47 | W 9 |
| T 10 | 15 32 43 | 24°12'47 | 4♒ 3 | 17°24 | 16°17 | 19°44 | 12° 8 | 4° 7 | 21°25 | 0° 8 | 2°34 | 10°20 | 11°10 | 19°42 | 18°49 | T 10 |
| F 11 | 15 36 39 | 25°10'13 | 18°17 | 18°23 | 17°31 | 20°26 | 12° 5 | 4° 4 | 21°24 | 0° 7 | 2°34 | 10°21 | 11° 7 | 19°48 | 18°51 | F 11 |
| S 12 | 15 40 36 | 26° 7'38 | 2♓31 | 19°19 | 18°44 | 21° 8 | 12° 2 | 4° 1 | 21°23 | 0° 5 | 2°33 | 10°R21 | 11° 4 | 19°55 | 18°53 | S 12 |
| S 13 | 15 44 32 | 27° 5'02 | 16°42 | 20°11 | 19°58 | 21°50 | 11°59 | 3°58 | 21°22 | 0° 3 | 2°32 | 10°20 | 11° 1 | 20° 2 | 18°55 | S 13 |
| M14 | 15 48 29 | 28° 2'26 | 0♈47 | 20°59 | 21°12 | 22°32 | 11°55 | 3°55 | 21°21 | 0° 2 | 2°31 | 10°19 | 10°58 | 20° 9 | 18°56 | M14 |
| T 15 | 15 52 25 | 28°59'49 | 14°45 | 21°42 | 22°25 | 23°14 | 11°52 | 3°52 | 21°19 | 0° 0 | 2°30 | 10°18 | 10°54 | 20°15 | 18°58 | T 15 |
| W16 | 15 56 22 | 29°57'11 | 28°32 | 22°22 | 23°39 | 23°56 | 11°48 | 3°49 | 21°18 | 29♏59 | 2°30 | 10°16 | 10°51 | 20°22 | 19° 0 | W16 |
| T 17 | 16 0 18 | 0♊54'33 | 12♉ 7 | 22°57 | 24°52 | 24°38 | 11°44 | 3°45 | 21°17 | 29°57 | 2°29 | 10°15 | 10°48 | 20°29 | 19° 1 | T 17 |
| F 18 | 16 4 15 | 1°51'54 | 25°27 | 23°29 | 26° 6 | 25°19 | 11°40 | 3°42 | 21°16 | 29°55 | 2°28 | 10°15 | 10°45 | 20°35 | 19° 3 | F 18 |
| S 19 | 16 8 12 | 2°49'14 | 8♊31 | 23°55 | 27°20 | 26° 1 | 11°35 | 3°38 | 21°15 | 29°54 | 2°28 | 10°D14 | 10°42 | 20°42 | 19° 4 | S 19 |
| S 20 | 16 12 8 | 3°46'34 | 21°19 | 24°18 | 28°33 | 26°43 | 11°31 | 3°35 | 21°13 | 29°52 | 2°27 | 10°15 | 10°39 | 20°49 | 19° 6 | S 20 |
| M21 | 16 16 5 | 4°43'52 | 3♋51 | 24°36 | 29°47 | 27°24 | 11°26 | 3°31 | 21°12 | 29°50 | 2°26 | 10°15 | 10°35 | 20°56 | 19° 7 | M21 |
| T 22 | 16 20 1 | 5°41'10 | 16°10 | 24°49 | 1♊ 0 | 28° 6 | 11°21 | 3°28 | 21°10 | 29°49 | 2°26 | 10°15 | 10°32 | 21° 2 | 19° 9 | T 22 |
| W23 | 16 23 58 | 6°38'27 | 28°16 | 24°58 | 2°14 | 28°47 | 11°16 | 3°24 | 21° 9 | 29°47 | 2°25 | 10°16 | 10°29 | 21° 9 | 19°10 | W23 |
| T 24 | 16 27 54 | 7°35'43 | 10♌14 | 25°R 2 | 3°28 | 29°29 | 11°11 | 3°21 | 21° 7 | 29°46 | 2°25 | 10°16 | 10°26 | 21°16 | 19°11 | T 24 |
| F 25 | 16 31 51 | 8°32'58 | 22° 8 | 25° 2 | 4°41 | 0♊10 | 11° 6 | 3°17 | 21° 6 | 29°44 | 2°25 | 10°16 | 10°23 | 21°22 | 19°12 | F 25 |
| S 26 | 16 35 47 | 9°30'13 | 4♍ 1 | 24°57 | 5°55 | 0°51 | 11° 1 | 3°13 | 21° 4 | 29°42 | 2°24 | 10°16 | 10°19 | 21°29 | 19°13 | S 26 |
| S 27 | 16 39 44 | 10°27'26 | 15°58 | 24°48 | 7° 9 | 1°33 | 10°55 | 3° 9 | 21° 3 | 29°41 | 2°24 | 10°16 | 10°16 | 21°36 | 19°15 | S 27 |
| M28 | 16 43 41 | 11°24'39 | 28° 4 | 24°34 | 8°22 | 2°14 | 10°49 | 3° 5 | 21° 1 | 29°39 | 2°23 | 10°17 | 10°13 | 21°43 | 19°16 | M28 |
| T 29 | 16 47 37 | 12°21'51 | 10♎23 | 24°17 | 9°36 | 2°55 | 10°44 | 3° 1 | 20°59 | 29°38 | 2°23 | 10°17 | 10°10 | 21°49 | 19°17 | T 29 |
| W30 | 16 51 34 | 13°19'02 | 22°58 | 23°56 | 10°50 | 3°36 | 10°38 | 2°57 | 20°58 | 29°36 | 2°23 | 10°17 | 10° 7 | 21°56 | 19°17 | W30 |
| T 31 | 16 55 30 | 14♊16'13 | 5♏53 | 23♊31 | 12♊ 3 | 4♊17 | 10♑32 | 2♑53 | 20♑56 | 29♏35 | 2♎23 | 10♐17 | 10♐ 4 | 22♌ 3 | 19♓18 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n36 | 5s25 | 4s51 | 23n42 | 2n20 | 12n21 | 1s 3 | 15n57 | 0n 0 | 23s 4 | 0s 5 | 22s48 | 0n41 | 22s20 | 0s30 | 18s42 | 1n41 | 15n 1 | 17n36 | 22s 8 | 22s18 | 10n48 | 0s26 | 4n30 |
| W 2 | 16 52 | 9 54 | 4 19 | 23 59 | 2 21 | 12 47 | 1 2 | 16 10 | 0 1 | 23 4 | 0 5 | 22 48 | 0 41 | 22 20 | 0 30 | 18 41 | 1 41 | 15 1 | 17 36 | 22 8 | 22 18 | 10 45 | 0 25 | 4 30 |
| T 3 | 17 9 | 14 3 | 3 33 | 24 13 | 2 22 | 13 13 | 1 0 | 16 23 | 0 1 | 23 4 | 0 5 | 22 49 | 0 41 | 22 20 | 0 30 | 18 41 | 1 41 | 15 1 | 17 36 | 22 7 | 22 17 | 10 43 | 0 24 | 4 30 |
| F 4 | 17 25 | 17 37 | 2 35 | 24 26 | 2 21 | 13 38 | 0 58 | 16 36 | 0 2 | 23 4 | 0 5 | 22 49 | 0 41 | 22 21 | 0 30 | 18 41 | 1 41 | 15 1 | 17 35 | 22 7 | 22 17 | 10 41 | 0 23 | 4 30 |
| S 5 | 17 41 | 20 21 | 1 27 | 24 36 | 2 20 | 14 3 | 0 56 | 16 49 | 0 3 | 23 5 | 0 5 | 22 49 | 0 41 | 22 21 | 0 30 | 18 40 | 1 41 | 15 1 | 17 35 | 22 7 | 22 17 | 10 38 | 0 22 | 4 30 |
| S 6 | 17 56 | 21 58 | 0 13 | 24 44 | 2 18 | 14 28 | 0 54 | 17 2 | 0 3 | 23 5 | 0 5 | 22 49 | 0 41 | 22 21 | 0 30 | 18 40 | 1 41 | 15 1 | 17 34 | 22 7 | 22 16 | 10 36 | 0 21 | 4 30 |
| M 7 | 18 12 | 22 16 | 1n 3 | 24 51 | 2 15 | 14 53 | 0 52 | 17 15 | 0 4 | 23 5 | 0 5 | 22 49 | 0 41 | 22 21 | 0 31 | 18 40 | 1 41 | 15 1 | 17 34 | 22 7 | 22 16 | 10 34 | 0 20 | 4 31 |
| T 8 | 18 27 | 21 11 | 2 16 | 24 55 | 2 11 | 15 17 | 0 50 | 17 27 | 0 5 | 23 6 | 0 6 | 22 49 | 0 41 | 22 21 | 0 31 | 18 39 | 1 41 | 15 1 | 17 34 | 22 7 | 22 15 | 10 31 | 0 19 | 4 31 |
| W 9 | 18 41 | 18 46 | 3 21 | 24 57 | 2 6 | 15 41 | 0 48 | 17 39 | 0 5 | 23 6 | 0 6 | 22 49 | 0 41 | 22 21 | 0 31 | 18 39 | 1 41 | 15 1 | 17 33 | 22 7 | 22 15 | 10 29 | 0 18 | 4 31 |
| T 10 | 18 56 | 15 13 | 4 15 | 24 58 | 2 1 | 16 4 | 0 46 | 17 52 | 0 6 | 23 7 | 0 6 | 22 49 | 0 41 | 22 22 | 0 31 | 18 39 | 1 41 | 15 1 | 17 33 | 22 7 | 22 14 | 10 26 | 0 17 | 4 31 |
| F 11 | 19 10 | 10 47 | 4 53 | 24 57 | 1 54 | 16 27 | 0 44 | 18 3 | 0 6 | 23 7 | 0 6 | 22 49 | 0 41 | 22 22 | 0 31 | 18 38 | 1 41 | 15 1 | 17 32 | 22 7 | 22 14 | 10 24 | 0 16 | 4 31 |
| S 12 | 19 23 | 5 46 | 5 13 | 24 55 | 1 47 | 16 49 | 0 42 | 18 15 | 0 7 | 23 8 | 0 6 | 22 50 | 0 41 | 22 22 | 0 31 | 18 38 | 1 41 | 15 1 | 17 32 | 22 7 | 22 13 | 10 22 | 0 16 | 4 32 |
| S 13 | 19 37 | 0 28 | 5 14 | 24 51 | 1 39 | 17 11 | 0 40 | 18 27 | 0 8 | 23 8 | 0 6 | 22 50 | 0 41 | 22 22 | 0 31 | 18 38 | 1 41 | 15 1 | 17 31 | 22 7 | 22 13 | 10 19 | 0 15 | 4 32 |
| M14 | 19 50 | 4n50 | 4 56 | 24 46 | 1 30 | 17 33 | 0 37 | 18 38 | 0 8 | 23 8 | 0 7 | 22 50 | 0 41 | 22 22 | 0 31 | 18 37 | 1 41 | 15 1 | 17 31 | 22 7 | 22 13 | 10 17 | 0 14 | 4 32 |
| T 15 | 20 3 | 9 51 | 4 21 | 24 39 | 1 20 | 17 54 | 0 35 | 18 50 | 0 9 | 23 9 | 0 7 | 22 50 | 0 41 | 22 22 | 0 31 | 18 37 | 1 41 | 15 1 | 17 30 | 22 7 | 22 12 | 10 14 | 0 13 | 4 32 |
| W16 | 20 15 | 14 17 | 3 31 | 24 31 | 1 10 | 18 15 | 0 33 | 19 1 | 0 10 | 23 9 | 0 7 | 22 50 | 0 41 | 22 23 | 0 31 | 18 37 | 1 41 | 15 1 | 17 30 | 22 7 | 22 12 | 10 12 | 0 12 | 4 32 |
| T 17 | 20 27 | 17 55 | 2 30 | 24 21 | 0 59 | 18 35 | 0 31 | 19 12 | 0 10 | 23 10 | 0 7 | 22 50 | 0 41 | 22 23 | 0 31 | 18 36 | 1 41 | 15 0 | 17 29 | 22 6 | 22 11 | 10 10 | 0 12 | 4 32 |
| F 18 | 20 39 | 20 32 | 1 21 | 24 11 | 0 47 | 18 55 | 0 29 | 19 22 | 0 11 | 23 10 | 0 7 | 22 50 | 0 41 | 22 23 | 0 31 | 18 36 | 1 41 | 15 0 | 17 29 | 22 6 | 22 11 | 10 7 | 0 11 | 4 33 |
| S 19 | 20 50 | 22 0 | 0 10 | 24 0 | 0 34 | 19 15 | 0 26 | 19 33 | 0 11 | 23 11 | 0 7 | 22 51 | 0 41 | 22 23 | 0 31 | 18 36 | 1 41 | 15 0 | 17 28 | 22 6 | 22 10 | 10 5 | 0 10 | 4 33 |
| S 20 | 21 1 | 22 16 | 1s 1 | 23 47 | 0 20 | 19 33 | 0 24 | 19 43 | 0 12 | 23 12 | 0 8 | 22 51 | 0 41 | 22 24 | 0 31 | 18 35 | 1 41 | 15 0 | 17 28 | 22 6 | 22 10 | 10 3 | 0 9 | 4 33 |
| M21 | 21 12 | 21 24 | 2 7 | 23 34 | 0 6 | 19 52 | 0 22 | 19 53 | 0 13 | 23 12 | 0 8 | 22 51 | 0 41 | 22 24 | 0 31 | 18 35 | 1 41 | 15 0 | 17 27 | 22 6 | 22 9 | 10 0 | 0 9 | 4 33 |
| T 22 | 21 22 | 19 30 | 3 6 | 23 20 | 0s 8 | 20 9 | 0 19 | 20 3 | 0 13 | 23 13 | 0 8 | 22 51 | 0 40 | 22 24 | 0 31 | 18 35 | 1 41 | 14 59 | 17 27 | 22 6 | 22 9 | 9 58 | 0 8 | 4 33 |
| W23 | 21 32 | 16 46 | 3 56 | 23 5 | 0 24 | 20 27 | 0 17 | 20 13 | 0 14 | 23 13 | 0 8 | 22 51 | 0 40 | 22 24 | 0 31 | 18 34 | 1 41 | 14 59 | 17 26 | 22 7 | 22 8 | 9 55 | 0 7 | 4 34 |
| T 24 | 21 42 | 13 22 | 4 35 | 22 49 | 0 40 | 20 43 | 0 15 | 20 23 | 0 14 | 23 14 | 0 8 | 22 51 | 0 40 | 22 25 | 0 31 | 18 34 | 1 41 | 14 59 | 17 26 | 22 7 | 22 8 | 9 53 | 0 6 | 4 34 |
| F 25 | 21 51 | 9 27 | 5 1 | 22 33 | 0 56 | 20 59 | 0 12 | 20 32 | 0 15 | 23 14 | 0 8 | 22 51 | 0 40 | 22 25 | 0 31 | 18 34 | 1 41 | 14 58 | 17 25 | 22 7 | 22 8 | 9 51 | 0 6 | 4 34 |
| S 26 | 22 0 | 5 12 | 5 15 | 22 16 | 1 12 | 21 15 | 0 10 | 20 42 | 0 16 | 23 15 | 0 8 | 22 52 | 0 40 | 22 25 | 0 31 | 18 33 | 1 41 | 14 58 | 17 25 | 22 7 | 22 7 | 9 48 | 0 5 | 4 34 |
| S 27 | 22 8 | 0 43 | 5 15 | 21 59 | 1 29 | 21 30 | 0 8 | 20 51 | 0 16 | 23 16 | 0 9 | 22 52 | 0 40 | 22 25 | 0 31 | 18 33 | 1 41 | 14 58 | 17 24 | 22 7 | 22 7 | 9 46 | 0 5 | 4 34 |
| M28 | 22 16 | 3s50 | 5 2 | 21 42 | 1 46 | 21 44 | 0 5 | 21 0 | 0 17 | 23 16 | 0 9 | 22 52 | 0 40 | 22 26 | 0 31 | 18 33 | 1 41 | 14 57 | 17 24 | 22 7 | 22 6 | 9 43 | 0 4 | 4 35 |
| T 29 | 22 24 | 8 20 | 4 34 | 21 25 | 2 2 | 21 58 | 0 3 | 21 8 | 0 17 | 23 17 | 0 9 | 22 52 | 0 40 | 22 26 | 0 31 | 18 32 | 1 41 | 14 57 | 17 23 | 22 7 | 22 6 | 9 41 | 0 3 | 4 35 |
| W30 | 22 31 | 12 35 | 3 53 | 21 7 | 2 19 | 22 11 | 0 0 | 21 17 | 0 18 | 23 18 | 0 9 | 22 52 | 0 40 | 22 26 | 0 31 | 18 32 | 1 41 | 14 57 | 17 23 | 22 7 | 22 5 | 9 39 | 0 3 | 4 35 |
| T 31 | 22n38 | 16s22 | 2s59 | 20n50 | 2s35 | 22n23 | 0n 2 | 21n25 | 0n19 | 23s18 | 0s 9 | 22s52 | 0n40 | 22s27 | 0s31 | 18s32 | 1n41 | 14n56 | 17n22 | 22s 7 | 22s 5 | 9n36 | 0s 2 | 4n35 |

Julian Day Number = 2082045.5, Delta T = 25m21s
Ecliptic obliquity = 23°34'10, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'25, Lahiri = 9°45'25 Julian Calendar 1 May 988 == Greg. Calendar 6 May 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## JUNE 988 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 59 27 | 15♊13'23 | 19♏10 | 23°R 4 | 13♊17 | 4♊58 | 10°R25 | 2°R49 | 20°R54 | 29°R33 | 2°R22 | 10♐18 | 10♐ 0 | 22♌ 9 | 19♓19 | F 1 |
| S 2 | 17 3 23 | 16°10'33 | 2♐49 | 22♊34 | 14°30 | 5°39 | 10♉19 | 2♉45 | 20♉52 | 29♏31 | 2♎22 | 10°18 | 9°57 | 22°16 | 19°20 | S 2 |
| S 3 | 17 7 20 | 17° 7'42 | 16°47 | 22° 1 | 15°44 | 6°20 | 10°13 | 2°41 | 20°51 | 29°30 | 2°22 | 10°R18 | 9°54 | 22°23 | 19°21 | S 3 |
| M 4 | 17 11 16 | 18° 4'51 | 1♉ 3 | 21°27 | 16°58 | 7° 1 | 10° 6 | 2°37 | 20°49 | 29°28 | 2°22 | 10°18 | 9°51 | 22°30 | 19°21 | M 4 |
| T 5 | 17 15 13 | 19° 2'00 | 15°31 | 20°52 | 18°11 | 7°42 | 10° 0 | 2°33 | 20°47 | 29°27 | 2°22 | 10°17 | 9°48 | 22°36 | 19°22 | T 5 |
| W 6 | 17 19 10 | 19°59'09 | 0♒ 5 | 20°17 | 19°25 | 8°23 | 9°53 | 2°28 | 20°45 | 29°25 | 2°22 | 10°16 | 9°44 | 22°43 | 19°23 | W 6 |
| T 7 | 17 23 6 | 20°56'18 | 14°40 | 19°41 | 20°39 | 9° 4 | 9°46 | 2°24 | 20°43 | 29°24 | 2°D22 | 10°15 | 9°41 | 22°50 | 19°23 | T 7 |
| F 8 | 17 27 3 | 21°53'27 | 29°10 | 19° 7 | 21°53 | 9°44 | 9°39 | 2°20 | 20°41 | 29°22 | 2°22 | 10°14 | 9°38 | 22°57 | 19°24 | F 8 |
| S 9 | 17 30 59 | 22°50'36 | 13♓30 | 18°34 | 23° 6 | 10°25 | 9°32 | 2°15 | 20°39 | 29°21 | 2°22 | 10°13 | 9°35 | 23° 3 | 19°24 | S 9 |
| S 10 | 17 34 56 | 23°47'45 | 27°38 | 18° 2 | 24°20 | 11° 6 | 9°25 | 2°11 | 20°37 | 29°20 | 2°22 | 10°D13 | 9°32 | 23°10 | 19°24 | S 10 |
| M11 | 17 38 52 | 24°44'54 | 11♈32 | 17°34 | 25°34 | 11°46 | 9°18 | 2° 7 | 20°35 | 29°18 | 2°22 | 10°13 | 9°29 | 23°17 | 19°25 | M11 |
| T 12 | 17 42 49 | 25°42'04 | 25°11 | 17° 8 | 26°47 | 12°27 | 9°10 | 2° 2 | 20°33 | 29°17 | 2°22 | 10°14 | 9°25 | 23°23 | 19°25 | T 12 |
| W13 | 17 46 45 | 26°39'14 | 8♉35 | 16°46 | 28° 1 | 13° 7 | 9° 3 | 1°58 | 20°31 | 29°15 | 2°22 | 10°16 | 9°22 | 23°30 | 19°25 | W13 |
| T 14 | 17 50 42 | 27°36'24 | 21°45 | 16°27 | 29°15 | 13°48 | 8°56 | 1°54 | 20°29 | 29°14 | 2°23 | 10°17 | 9°19 | 23°37 | 19°25 | T 14 |
| F 15 | 17 54 39 | 28°33'34 | 4♊42 | 16°13 | 0♋29 | 14°28 | 8°48 | 1°49 | 20°26 | 29°13 | 2°23 | 10°R17 | 9°16 | 23°44 | 19°26 | F 15 |
| S 16 | 17 58 35 | 29°30'45 | 17°25 | 16° 3 | 1°42 | 15° 9 | 8°41 | 1°45 | 20°24 | 29°11 | 2°23 | 10°17 | 9°13 | 23°50 | 19°26 | S 16 |
| S 17 | 18 2 32 | 0♋27'56 | 29°56 | 15°58 | 2°56 | 15°49 | 8°33 | 1°40 | 20°22 | 29°10 | 2°24 | 10°16 | 9°10 | 23°57 | 19°R26 | S 17 |
| M18 | 18 6 28 | 1°25'07 | 12♋17 | 15°D58 | 4°10 | 16°29 | 8°26 | 1°36 | 20°20 | 29° 9 | 2°24 | 10°14 | 9° 6 | 24° 4 | 19°26 | M18 |
| T 19 | 18 10 25 | 2°22'19 | 24°27 | 16° 3 | 5°24 | 17° 9 | 8°18 | 1°32 | 20°18 | 29° 7 | 2°24 | 10°11 | 9° 3 | 24°10 | 19°26 | T 19 |
| W20 | 18 14 21 | 3°19'30 | 6♌29 | 16°13 | 6°38 | 17°50 | 8°10 | 1°27 | 20°15 | 29° 6 | 2°25 | 10° 8 | 9° 0 | 24°17 | 19°25 | W20 |
| T 21 | 18 18 18 | 4°16'41 | 18°25 | 16°28 | 7°52 | 18°30 | 8° 3 | 1°23 | 20°13 | 29° 5 | 2°25 | 10° 4 | 8°57 | 24°24 | 19°25 | T 21 |
| F 22 | 18 22 15 | 5°13'53 | 0♍17 | 16°49 | 9° 5 | 19°10 | 7°55 | 1°18 | 20°11 | 29° 3 | 2°26 | 10° 0 | 8°54 | 24°31 | 19°25 | F 22 |
| S 23 | 18 26 11 | 6°11'05 | 12° 9 | 17°15 | 10°19 | 19°50 | 7°47 | 1°14 | 20° 8 | 29° 2 | 2°26 | 9°57 | 8°50 | 24°37 | 19°25 | S 23 |
| S 24 | 18 30 8 | 7° 8'16 | 24° 5 | 17°46 | 11°33 | 20°30 | 7°39 | 1°10 | 20° 6 | 29° 1 | 2°27 | 9°55 | 8°47 | 24°44 | 19°24 | S 24 |
| M25 | 18 34 4 | 8° 5'28 | 6♎ 9 | 18°23 | 12°47 | 21°10 | 7°32 | 1° 5 | 20° 4 | 29° 0 | 2°27 | 9°D54 | 8°44 | 24°51 | 19°24 | M25 |
| T 26 | 18 38 1 | 9° 2'40 | 18°25 | 19° 5 | 14° 1 | 21°50 | 7°24 | 1° 1 | 20° 1 | 28°59 | 2°28 | 9°55 | 8°41 | 24°57 | 19°23 | T 26 |
| W27 | 18 41 57 | 9°59'53 | 0♏58 | 19°52 | 15°15 | 22°30 | 7°16 | 0°56 | 19°59 | 28°58 | 2°29 | 9°56 | 8°38 | 25° 4 | 19°23 | W27 |
| T 28 | 18 45 54 | 10°57'05 | 13°53 | 20°44 | 16°28 | 23°10 | 7° 9 | 0°52 | 19°57 | 28°57 | 2°29 | 9°58 | 8°35 | 25°11 | 19°22 | T 28 |
| F 29 | 18 49 50 | 11°54'18 | 27°12 | 21°42 | 17°42 | 23°49 | 7° 1 | 0°48 | 19°54 | 28°55 | 2°30 | 9°59 | 8°31 | 25°18 | 19°22 | F 29 |
| S 30 | 18 53 47 | 12♋51'31 | 10♐57 | 22♊44 | 18♋56 | 24♊29 | 6♉53 | 0♉44 | 19♉52 | 28♏54 | 2♎31 | 9°R59 | 8♐28 | 25♌24 | 19♓21 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n45 | 19s27 | 1s54 | 20n33 | 2s51 | 22n35 | 0n 4 | 21n33 | 0n19 | 23s19 | 0s 9 | 22s52 | 0n40 | 22s27 | 0s31 | 18s32 | 1n41 | 14n56 | 17n22 | 22s 7 | 22s 4 | 9n34 | 0s 2 | 4n35 |
| S 2 | 22 51 | 21 31 | 0 41 | 20 16 | 3 6 | 22 46 | 0 7 | 21 41 | 0 20 | 23 20 | 0 10 | 22 53 | 0 40 | 22 27 | 0 31 | 18 31 | 1 41 | 14 56 | 17 21 | 22 7 | 22 4 | 9 31 | 0 1 | 4 36 |
| S 3 | 22 57 | 22 19 | 0n36 | 20 0 | 3 20 | 22 57 | 0 9 | 21 49 | 0 20 | 23 20 | 0 10 | 22 53 | 0 40 | 22 27 | 0 31 | 18 31 | 1 41 | 14 55 | 17 20 | 22 7 | 22 3 | 9 29 | 0 1 | 4 36 |
| M 4 | 23 2 | 21 41 | 1 52 | 19 44 | 3 34 | 23 7 | 0 11 | 21 57 | 0 21 | 23 21 | 0 10 | 22 53 | 0 40 | 22 28 | 0 31 | 18 31 | 1 41 | 14 55 | 17 20 | 22 7 | 22 3 | 9 27 | 0 0 | 4 36 |
| T 5 | 23 7 | 19 38 | 3 3 | 19 30 | 3 46 | 23 16 | 0 14 | 22 4 | 0 22 | 23 22 | 0 10 | 22 53 | 0 40 | 22 28 | 0 31 | 18 30 | 1 41 | 14 54 | 17 19 | 22 7 | 22 2 | 9 24 | 0n 0 | 4 36 |
| W 6 | 23 11 | 16 18 | 4 2 | 19 16 | 3 57 | 23 25 | 0 16 | 22 11 | 0 22 | 23 22 | 0 10 | 22 53 | 0 40 | 22 28 | 0 31 | 18 30 | 1 41 | 14 54 | 17 19 | 22 7 | 22 2 | 9 22 | 0 0 | 4 36 |
| T 7 | 23 15 | 11 58 | 4 45 | 19 4 | 4 7 | 23 33 | 0 18 | 22 18 | 0 23 | 23 23 | 0 10 | 22 53 | 0 39 | 22 29 | 0 31 | 18 30 | 1 41 | 14 53 | 17 18 | 22 6 | 22 1 | 9 19 | 0 1 | 4 37 |
| F 8 | 23 19 | 6 59 | 5 10 | 18 52 | 4 16 | 23 40 | 0 21 | 22 25 | 0 23 | 23 24 | 0 11 | 22 54 | 0 39 | 22 29 | 0 31 | 18 29 | 1 40 | 14 53 | 17 18 | 22 6 | 22 1 | 9 17 | 0 1 | 4 37 |
| S 9 | 23 22 | 1 40 | 5 16 | 18 43 | 4 23 | 23 46 | 0 23 | 22 32 | 0 24 | 23 24 | 0 11 | 22 54 | 0 39 | 22 29 | 0 31 | 18 29 | 1 40 | 14 52 | 17 17 | 22 6 | 22 0 | 9 15 | 0 2 | 4 37 |
| S 10 | 23 25 | 3n40 | 5 2 | 18 34 | 4 28 | 23 52 | 0 25 | 22 38 | 0 25 | 23 25 | 0 11 | 22 54 | 0 39 | 22 30 | 0 31 | 18 29 | 1 40 | 14 52 | 17 17 | 22 6 | 22 0 | 9 12 | 0 2 | 4 37 |
| M11 | 23 28 | 8 44 | 4 30 | 18 28 | 4 33 | 23 57 | 0 28 | 22 44 | 0 25 | 23 26 | 0 11 | 22 54 | 0 39 | 22 30 | 0 31 | 18 29 | 1 40 | 14 51 | 17 16 | 22 6 | 22 0 | 9 10 | 0 2 | 4 37 |
| T 12 | 23 30 | 13 16 | 3 44 | 18 23 | 4 35 | 24 2 | 0 30 | 22 50 | 0 26 | 23 26 | 0 11 | 22 54 | 0 39 | 22 30 | 0 31 | 18 28 | 1 40 | 14 50 | 17 15 | 22 6 | 21 59 | 9 7 | 0 3 | 4 38 |
| W13 | 23 32 | 17 4 | 2 46 | 18 19 | 4 36 | 24 5 | 0 32 | 22 56 | 0 26 | 23 27 | 0 11 | 22 54 | 0 39 | 22 31 | 0 31 | 18 28 | 1 40 | 14 50 | 17 15 | 22 6 | 21 59 | 9 5 | 0 3 | 4 38 |
| T 14 | 23 33 | 19 55 | 1 41 | 18 18 | 4 36 | 24 8 | 0 34 | 23 1 | 0 27 | 23 28 | 0 12 | 22 54 | 0 39 | 22 31 | 0 31 | 18 28 | 1 40 | 14 49 | 17 14 | 22 7 | 21 58 | 9 3 | 0 3 | 4 38 |
| F 15 | 23 34 | 21 42 | 0 31 | 18 18 | 4 34 | 24 10 | 0 36 | 23 7 | 0 27 | 23 28 | 0 12 | 22 55 | 0 39 | 22 31 | 0 31 | 18 28 | 1 40 | 14 49 | 17 14 | 22 7 | 21 58 | 9 0 | 0 3 | 4 38 |
| S 16 | 23 34 | 22 19 | 0s39 | 18 20 | 4 31 | 24 12 | 0 39 | 23 12 | 0 28 | 23 29 | 0 12 | 22 55 | 0 39 | 22 32 | 0 31 | 18 27 | 1 40 | 14 48 | 17 13 | 22 7 | 21 57 | 8 58 | 0 4 | 4 38 |
| S 17 | 23 34 | 21 48 | 1 46 | 18 24 | 4 27 | 24 13 | 0 41 | 23 17 | 0 29 | 23 29 | 0 12 | 22 55 | 0 39 | 22 32 | 0 32 | 18 27 | 1 40 | 14 47 | 17 13 | 22 7 | 21 57 | 8 55 | 0 4 | 4 39 |
| M18 | 23 34 | 20 14 | 2 47 | 18 30 | 4 21 | 24 13 | 0 43 | 23 22 | 0 29 | 23 30 | 0 12 | 22 55 | 0 39 | 22 32 | 0 32 | 18 27 | 1 40 | 14 47 | 17 12 | 22 6 | 21 56 | 8 53 | 0 4 | 4 39 |
| T 19 | 23 33 | 17 45 | 3 39 | 18 37 | 4 14 | 24 12 | 0 45 | 23 26 | 0 30 | 23 31 | 0 12 | 22 55 | 0 39 | 22 33 | 0 32 | 18 27 | 1 40 | 14 46 | 17 12 | 22 6 | 21 56 | 8 50 | 0 4 | 4 39 |
| W20 | 23 32 | 14 32 | 4 21 | 18 46 | 4 6 | 24 11 | 0 47 | 23 31 | 0 30 | 23 31 | 0 12 | 22 55 | 0 38 | 22 33 | 0 32 | 18 26 | 1 40 | 14 45 | 17 11 | 22 5 | 21 55 | 8 48 | 0 4 | 4 39 |
| T 21 | 23 30 | 10 46 | 4 51 | 18 56 | 3 57 | 24 9 | 0 49 | 23 35 | 0 31 | 23 32 | 0 13 | 22 55 | 0 38 | 22 33 | 0 32 | 18 26 | 1 40 | 14 45 | 17 10 | 22 5 | 21 55 | 8 46 | 0 4 | 4 39 |
| F 22 | 23 28 | 6 37 | 5 9 | 19 8 | 3 48 | 24 6 | 0 51 | 23 39 | 0 31 | 23 33 | 0 13 | 22 56 | 0 38 | 22 34 | 0 32 | 18 26 | 1 40 | 14 44 | 17 10 | 22 4 | 21 54 | 8 43 | 0 4 | 4 40 |
| S 23 | 23 25 | 2 13 | 5 13 | 19 21 | 3 37 | 24 2 | 0 53 | 23 43 | 0 32 | 23 33 | 0 13 | 22 56 | 0 38 | 22 34 | 0 32 | 18 26 | 1 40 | 14 43 | 17 9 | 22 4 | 21 54 | 8 41 | 0 4 | 4 40 |
| S 24 | 23 23 | 2s17 | 5 4 | 19 35 | 3 26 | 23 58 | 0 55 | 23 46 | 0 33 | 23 34 | 0 13 | 22 56 | 0 38 | 22 35 | 0 32 | 18 25 | 1 40 | 14 43 | 17 9 | 22 4 | 21 53 | 8 38 | 0 4 | 4 40 |
| M25 | 23 19 | 6 45 | 4 41 | 19 50 | 3 14 | 23 53 | 0 56 | 23 50 | 0 33 | 23 34 | 0 13 | 22 56 | 0 38 | 22 35 | 0 32 | 18 25 | 1 40 | 14 42 | 17 8 | 22 3 | 21 53 | 8 36 | 0 4 | 4 40 |
| T 26 | 23 16 | 11 2 | 4 6 | 20 6 | 3 2 | 23 47 | 0 58 | 23 53 | 0 34 | 23 35 | 0 13 | 22 56 | 0 38 | 22 35 | 0 32 | 18 25 | 1 40 | 14 41 | 17 8 | 22 3 | 21 52 | 8 34 | 0 4 | 4 40 |
| W27 | 23 11 | 14 57 | 3 17 | 20 22 | 2 49 | 23 41 | 1 0 | 23 56 | 0 34 | 23 36 | 0 14 | 22 56 | 0 38 | 22 36 | 0 32 | 18 25 | 1 40 | 14 40 | 17 7 | 22 4 | 21 52 | 8 31 | 0 4 | 4 41 |
| T 28 | 23 7 | 18 17 | 2 18 | 20 39 | 2 36 | 23 34 | 1 2 | 23 58 | 0 35 | 23 36 | 0 14 | 22 56 | 0 38 | 22 36 | 0 32 | 18 25 | 1 40 | 14 40 | 17 7 | 22 4 | 21 51 | 8 29 | 0 4 | 4 41 |
| F 29 | 23 2 | 20 46 | 1 9 | 20 56 | 2 22 | 23 26 | 1 3 | 24 1 | 0 35 | 23 37 | 0 14 | 22 56 | 0 38 | 22 36 | 0 32 | 18 24 | 1 40 | 14 39 | 17 6 | 22 4 | 21 51 | 8 26 | 0 4 | 4 41 |
| S 30 | 22n57 | 22s 7 | 0n 5 | 21n14 | 2s 9 | 23n18 | 1n 5 | 24n 3 | 0n36 | 23s37 | 0s14 | 22s57 | 0n38 | 22s37 | 0s32 | 18s24 | 1n40 | 14n38 | 17n 5 | 22s 4 | 21s50 | 8n24 | 0n 4 | 4n41 |

Julian Day Number = 2082076.5, Delta T = 25m21s
Ecliptic obliquity = 23°34'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'29, Lahiri = 9°45'30 Julian Calendar 1 June 988 == Greg. Calendar 6 June 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## JULY 988 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 57 44 | 13♋48'45 | 25♐ 8 | 23♊52 | 20♋10 | 25♊ 9 | 6°R46 | 0°R39 | 19°R50 | 28°R53 | 2♎32 | 9°R59 | 8♐25 | 25♌31 | 19°R20 | S 1 |
| M 2 | 19 1 40 | 14°45'59 | 9♑42 | 25° 4 | 21°24 | 25°49 | 6♑38 | 0♑35 | 19♑47 | 28♏52 | 2°32 | 9♐56 | 8°22 | 25°38 | 19♓20 | M 2 |
| T 3 | 19 5 37 | 15°43'14 | 24°32 | 26°22 | 22°38 | 26°28 | 6°30 | 0°31 | 19°45 | 28°51 | 2°33 | 9°52 | 8°19 | 25°45 | 19°19 | T 3 |
| W 4 | 19 9 33 | 16°40'30 | 9♒32 | 27°43 | 23°52 | 27° 8 | 6°23 | 0°27 | 19°42 | 28°50 | 2°34 | 9°47 | 8°16 | 25°51 | 19°18 | W 4 |
| T 5 | 19 13 30 | 17°37'46 | 24°31 | 29°10 | 25° 6 | 27°47 | 6°15 | 0°23 | 19°40 | 28°49 | 2°35 | 9°42 | 8°12 | 25°58 | 19°17 | T 5 |
| F 6 | 19 17 26 | 18°35'03 | 9♓22 | 0♋41 | 26°19 | 28°27 | 6° 8 | 0°19 | 19°38 | 28°49 | 2°36 | 9°37 | 8° 9 | 26° 5 | 19°16 | F 6 |
| S 7 | 19 21 23 | 19°32'22 | 23°57 | 2°16 | 27°33 | 29° 6 | 6° 1 | 0°14 | 19°35 | 28°48 | 2°37 | 9°33 | 8° 6 | 26°11 | 19°15 | S 7 |
| S 8 | 19 25 19 | 20°29'41 | 8♈12 | 3°55 | 28°47 | 29°46 | 5°53 | 0°10 | 19°33 | 28°47 | 2°38 | 9°31 | 8° 3 | 26°18 | 19°14 | S 8 |
| M 9 | 19 29 16 | 21°27'01 | 22° 4 | 5°38 | 0♌ 1 | 0♋25 | 5°46 | 0° 7 | 19°30 | 28°46 | 2°39 | 9°D30 | 8° 0 | 26°25 | 19°13 | M 9 |
| T 10 | 19 33 13 | 22°24'23 | 5♉35 | 7°24 | 1°15 | 1° 5 | 5°39 | 0° 3 | 19°28 | 28°45 | 2°40 | 9°31 | 7°56 | 26°32 | 19°12 | T 10 |
| W11 | 19 37 9 | 23°21'46 | 18°46 | 9°14 | 2°29 | 1°44 | 5°32 | 29♐59 | 19°26 | 28°44 | 2°41 | 9°32 | 7°53 | 26°38 | 19°10 | W11 |
| T 12 | 19 41 6 | 24°19'10 | 1♊39 | 11° 7 | 3°43 | 2°23 | 5°25 | 29°55 | 19°23 | 28°44 | 2°42 | 9°33 | 7°50 | 26°45 | 19° 9 | T 12 |
| F 13 | 19 45 2 | 25°16'36 | 14°17 | 13° 2 | 4°57 | 3° 2 | 5°18 | 29°51 | 19°21 | 28°43 | 2°44 | 9°R33 | 7°47 | 26°52 | 19° 8 | F 13 |
| S 14 | 19 48 59 | 26°14'02 | 26°43 | 14°59 | 6°11 | 3°42 | 5°11 | 29°47 | 19°19 | 28°42 | 2°45 | 9°32 | 7°44 | 26°58 | 19° 7 | S 14 |
| S 15 | 19 52 55 | 27°11'30 | 8♋59 | 16°59 | 7°25 | 4°21 | 5° 5 | 29°44 | 19°16 | 28°42 | 2°46 | 9°28 | 7°41 | 27° 5 | 19° 5 | S 15 |
| M16 | 19 56 52 | 28° 8'59 | 21° 7 | 19° 0 | 8°39 | 5° 0 | 4°58 | 29°40 | 19°14 | 28°41 | 2°47 | 9°22 | 7°37 | 27°12 | 19° 4 | M16 |
| T 17 | 20 0 48 | 29° 6'29 | 3♌ 9 | 21° 2 | 9°53 | 5°39 | 4°52 | 29°37 | 19°11 | 28°40 | 2°49 | 9°15 | 7°34 | 27°19 | 19° 2 | T 17 |
| W18 | 20 4 45 | 0♌ 4'00 | 15° 5 | 23° 5 | 11° 7 | 6°18 | 4°45 | 29°33 | 19° 9 | 28°40 | 2°50 | 9° 5 | 7°31 | 27°25 | 19° 1 | W18 |
| T 19 | 20 8 42 | 1° 1'31 | 26°58 | 25° 8 | 12°21 | 6°57 | 4°39 | 29°30 | 19° 7 | 28°39 | 2°51 | 8°55 | 7°28 | 27°32 | 18°59 | T 19 |
| F 20 | 20 12 38 | 1°59'04 | 8♍49 | 27°12 | 13°35 | 7°36 | 4°33 | 29°26 | 19° 4 | 28°39 | 2°53 | 8°46 | 7°25 | 27°39 | 18°58 | F 20 |
| S 21 | 20 16 35 | 2°56'39 | 20°41 | 29°16 | 14°49 | 8°15 | 4°27 | 29°23 | 19° 2 | 28°38 | 2°54 | 8°37 | 7°22 | 27°45 | 18°56 | S 21 |
| S 22 | 20 20 31 | 3°54'14 | 2♎36 | 1♌19 | 16° 3 | 8°54 | 4°21 | 29°20 | 19° 0 | 28°38 | 2°55 | 8°31 | 7°18 | 27°52 | 18°54 | S 22 |
| M23 | 20 24 28 | 4°51'50 | 14°39 | 3°22 | 17°17 | 9°33 | 4°15 | 29°16 | 18°57 | 28°37 | 2°57 | 8°27 | 7°15 | 27°59 | 18°52 | M23 |
| T 24 | 20 28 24 | 5°49'27 | 26°52 | 5°24 | 18°31 | 10°12 | 4°10 | 29°13 | 18°55 | 28°37 | 2°58 | 8°24 | 7°12 | 28° 6 | 18°51 | T 24 |
| W25 | 20 32 21 | 6°47'05 | 9♏22 | 7°26 | 19°45 | 10°50 | 4° 4 | 29°10 | 18°53 | 28°37 | 3° 0 | 8°D24 | 7° 9 | 28°12 | 18°49 | W25 |
| T 26 | 20 36 17 | 7°44'44 | 22°11 | 9°26 | 20°59 | 11°29 | 3°59 | 29° 7 | 18°51 | 28°36 | 3° 1 | 8°25 | 7° 6 | 28°19 | 18°47 | T 26 |
| F 27 | 20 40 14 | 8°42'24 | 5♐26 | 11°25 | 22°13 | 12° 8 | 3°54 | 29° 4 | 18°49 | 28°36 | 3° 3 | 8°R25 | 7° 2 | 28°26 | 18°45 | F 27 |
| S 28 | 20 44 11 | 9°40'06 | 19° 8 | 13°24 | 23°27 | 12°46 | 3°49 | 29° 2 | 18°46 | 28°36 | 3° 5 | 8°25 | 6°59 | 28°33 | 18°43 | S 28 |
| S 29 | 20 48 7 | 10°37'49 | 3♑19 | 15°20 | 24°41 | 13°25 | 3°44 | 28°59 | 18°44 | 28°35 | 3° 6 | 8°23 | 6°56 | 28°39 | 18°41 | S 29 |
| M30 | 20 52 4 | 11°35'33 | 17°57 | 17°16 | 25°55 | 14° 4 | 3°40 | 28°56 | 18°42 | 28°35 | 3° 8 | 8°18 | 6°53 | 28°46 | 18°39 | M30 |
| T 31 | 20 56 0 | 12♌33'18 | 2♒58 | 19♌10 | 27♌ 9 | 14♋42 | 3♑35 | 28♐54 | 18♑40 | 28♏35 | 3♎10 | 8♐11 | 6♐50 | 28♌53 | 18♓37 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n51 | 22s 7 | 1n22 | 21n31 | 1s55 | 23n 8 | 1n 6 | 24n 5 | 0n37 | 23s38 | 0s14 | 22s57 | 0n37 | 22s37 | 0s32 | 18s24 | 1n40 | 14n37 | 17n 5 | 22s 4 | 21s50 | 8n22 | 0n 4 | 4n41 |
| M 2 | 22 45 | 20 38 | 2 35 | 21 48 | 1 41 | 22 59 | 1 8 | 24 7 | 0 37 | 23 38 | 0 14 | 22 57 | 0 37 | 22 37 | 0 32 | 18 24 | 1 40 | 14 36 | 17 4 | 22 4 | 21 49 | 8 19 | 0 4 | 4 42 |
| T 3 | 22 38 | 17 45 | 3 39 | 22 5 | 1 27 | 22 48 | 1 9 | 24 9 | 0 38 | 23 39 | 0 14 | 22 57 | 0 37 | 22 38 | 0 32 | 18 24 | 1 40 | 14 35 | 17 4 | 22 3 | 21 49 | 8 17 | 0 4 | 4 42 |
| W 4 | 22 31 | 13 39 | 4 28 | 22 21 | 1 12 | 22 37 | 1 11 | 24 11 | 0 38 | 23 39 | 0 15 | 22 57 | 0 37 | 22 38 | 0 32 | 18 23 | 1 39 | 14 35 | 17 3 | 22 2 | 21 48 | 8 14 | 0 4 | 4 42 |
| T 5 | 22 24 | 8 43 | 4 59 | 22 35 | 0 59 | 22 25 | 1 12 | 24 12 | 0 39 | 23 40 | 0 15 | 22 57 | 0 37 | 22 39 | 0 32 | 18 23 | 1 39 | 14 34 | 17 3 | 22 2 | 21 48 | 8 12 | 0 4 | 4 42 |
| F 6 | 22 16 | 3 19 | 5 10 | 22 49 | 0 45 | 22 12 | 1 14 | 24 13 | 0 39 | 23 40 | 0 15 | 22 57 | 0 37 | 22 39 | 0 32 | 18 23 | 1 39 | 14 33 | 17 2 | 22 1 | 21 47 | 8 9 | 0 3 | 4 42 |
| S 7 | 22 8 | 2n11 | 5 1 | 23 2 | 0 31 | 21 59 | 1 15 | 24 14 | 0 40 | 23 41 | 0 15 | 22 57 | 0 37 | 22 39 | 0 32 | 18 23 | 1 39 | 14 32 | 17 2 | 22 0 | 21 47 | 8 7 | 0 3 | 4 42 |
| S 8 | 22 0 | 7 26 | 4 32 | 23 13 | 0 18 | 21 45 | 1 16 | 24 15 | 0 40 | 23 41 | 0 15 | 22 57 | 0 37 | 22 40 | 0 32 | 18 23 | 1 39 | 14 31 | 17 1 | 22 0 | 21 46 | 8 5 | 0 3 | 4 43 |
| M 9 | 21 51 | 12 11 | 3 49 | 23 22 | 0 5 | 21 31 | 1 17 | 24 15 | 0 41 | 23 42 | 0 15 | 22 58 | 0 37 | 22 40 | 0 32 | 18 23 | 1 39 | 14 30 | 17 1 | 22 0 | 21 46 | 8 2 | 0 3 | 4 43 |
| T 10 | 21 42 | 16 11 | 2 53 | 23 29 | 0n 7 | 21 16 | 1 18 | 24 15 | 0 42 | 23 42 | 0 15 | 22 58 | 0 36 | 22 40 | 0 32 | 18 23 | 1 39 | 14 29 | 17 0 | 22 0 | 21 45 | 8 0 | 0 2 | 4 43 |
| W11 | 21 32 | 19 16 | 1 50 | 23 33 | 0 19 | 21 0 | 1 19 | 24 16 | 0 42 | 23 43 | 0 15 | 22 58 | 0 36 | 22 41 | 0 32 | 18 22 | 1 39 | 14 29 | 17 0 | 22 0 | 21 45 | 7 57 | 0 2 | 4 43 |
| T 12 | 21 22 | 21 18 | 0 43 | 23 36 | 0 30 | 20 44 | 1 20 | 24 16 | 0 43 | 23 43 | 0 16 | 22 58 | 0 36 | 22 41 | 0 32 | 18 22 | 1 39 | 14 28 | 16 59 | 22 0 | 21 44 | 7 55 | 0 2 | 4 43 |
| F 13 | 21 12 | 22 13 | 0s26 | 23 36 | 0 40 | 20 27 | 1 21 | 24 15 | 0 43 | 23 43 | 0 16 | 22 58 | 0 36 | 22 41 | 0 32 | 18 22 | 1 39 | 14 27 | 16 59 | 22 0 | 21 44 | 7 52 | 0 1 | 4 44 |
| S 14 | 21 1 | 22 0 | 1 31 | 23 33 | 0 50 | 20 9 | 1 22 | 24 15 | 0 44 | 23 44 | 0 16 | 22 58 | 0 36 | 22 42 | 0 32 | 18 22 | 1 39 | 14 26 | 16 58 | 22 0 | 21 43 | 7 50 | 0 1 | 4 44 |
| S 15 | 20 50 | 20 44 | 2 32 | 23 28 | 0 59 | 19 51 | 1 23 | 24 14 | 0 44 | 23 44 | 0 16 | 22 58 | 0 36 | 22 42 | 0 32 | 18 22 | 1 39 | 14 25 | 16 58 | 21 59 | 21 43 | 7 48 | 0 1 | 4 44 |
| M16 | 20 39 | 18 32 | 3 25 | 23 20 | 1 8 | 19 32 | 1 24 | 24 13 | 0 45 | 23 45 | 0 16 | 22 58 | 0 36 | 22 42 | 0 32 | 18 22 | 1 39 | 14 24 | 16 57 | 21 59 | 21 42 | 7 45 | 0 0 | 4 44 |
| T 17 | 20 27 | 15 33 | 4 8 | 23 9 | 1 15 | 19 13 | 1 24 | 24 12 | 0 45 | 23 45 | 0 16 | 22 58 | 0 36 | 22 43 | 0 32 | 18 22 | 1 39 | 14 23 | 16 57 | 21 57 | 21 41 | 7 43 | 0s 0 | 4 44 |
| W18 | 20 15 | 11 57 | 4 39 | 22 56 | 1 22 | 18 54 | 1 25 | 24 11 | 0 46 | 23 45 | 0 16 | 22 59 | 0 36 | 22 43 | 0 32 | 18 22 | 1 39 | 14 22 | 16 56 | 21 56 | 21 41 | 7 40 | 0 1 | 4 44 |
| T 19 | 20 2 | 7 54 | 4 59 | 22 39 | 1 28 | 18 33 | 1 26 | 24 10 | 0 46 | 23 46 | 0 16 | 22 59 | 0 35 | 22 43 | 0 32 | 18 22 | 1 39 | 14 21 | 16 56 | 21 54 | 21 40 | 7 38 | 0 1 | 4 44 |
| F 20 | 19 50 | 3 35 | 5 5 | 22 21 | 1 33 | 18 13 | 1 26 | 24 8 | 0 47 | 23 46 | 0 17 | 22 59 | 0 35 | 22 44 | 0 32 | 18 22 | 1 39 | 14 20 | 16 55 | 21 53 | 21 40 | 7 36 | 0 2 | 4 45 |
| S 21 | 19 36 | 0s52 | 4 59 | 22 0 | 1 37 | 17 51 | 1 26 | 24 6 | 0 48 | 23 46 | 0 17 | 22 59 | 0 35 | 22 44 | 0 32 | 18 22 | 1 39 | 14 19 | 16 55 | 21 52 | 21 39 | 7 33 | 0 2 | 4 45 |
| S 22 | 19 23 | 5 18 | 4 39 | 21 36 | 1 40 | 17 29 | 1 27 | 24 4 | 0 48 | 23 47 | 0 17 | 22 59 | 0 35 | 22 44 | 0 32 | 18 22 | 1 39 | 14 18 | 16 54 | 21 51 | 21 39 | 7 31 | 0 3 | 4 45 |
| M23 | 19 9 | 9 36 | 4 7 | 21 11 | 1 43 | 17 7 | 1 27 | 24 2 | 0 49 | 23 47 | 0 17 | 22 59 | 0 35 | 22 45 | 0 32 | 18 22 | 1 38 | 14 17 | 16 54 | 21 50 | 21 38 | 7 28 | 0 3 | 4 45 |
| T 24 | 18 55 | 13 34 | 3 23 | 20 43 | 1 45 | 16 44 | 1 27 | 24 0 | 0 49 | 23 47 | 0 17 | 22 59 | 0 35 | 22 45 | 0 32 | 18 22 | 1 38 | 14 16 | 16 53 | 21 50 | 21 38 | 7 26 | 0 4 | 4 45 |
| W25 | 18 41 | 17 2 | 2 29 | 20 13 | 1 46 | 16 21 | 1 27 | 23 57 | 0 50 | 23 47 | 0 17 | 22 59 | 0 35 | 22 45 | 0 32 | 18 22 | 1 38 | 14 15 | 16 53 | 21 50 | 21 37 | 7 23 | 0 5 | 4 45 |
| T 26 | 18 26 | 19 48 | 1 26 | 19 42 | 1 46 | 15 58 | 1 28 | 23 54 | 0 50 | 23 48 | 0 17 | 22 59 | 0 35 | 22 46 | 0 32 | 18 22 | 1 38 | 14 14 | 16 52 | 21 50 | 21 37 | 7 21 | 0 5 | 4 45 |
| F 27 | 18 11 | 21 35 | 0 16 | 19 9 | 1 46 | 15 34 | 1 28 | 23 51 | 0 51 | 23 48 | 0 17 | 23 0 | 0 34 | 22 46 | 0 32 | 18 22 | 1 38 | 14 13 | 16 52 | 21 50 | 21 36 | 7 19 | 0 6 | 4 46 |
| S 28 | 17 56 | 22 11 | 0n57 | 18 35 | 1 46 | 15 9 | 1 28 | 23 48 | 0 51 | 23 48 | 0 17 | 23 0 | 0 34 | 22 46 | 0 32 | 18 22 | 1 38 | 14 12 | 16 52 | 21 50 | 21 36 | 7 16 | 0 6 | 4 46 |
| S 29 | 17 40 | 21 23 | 2 9 | 17 59 | 1 44 | 14 44 | 1 27 | 23 45 | 0 52 | 23 49 | 0 18 | 23 0 | 0 34 | 22 47 | 0 32 | 18 22 | 1 38 | 14 11 | 16 51 | 21 49 | 21 35 | 7 14 | 0 7 | 4 46 |
| M30 | 17 24 | 19 9 | 3 14 | 17 22 | 1 42 | 14 19 | 1 27 | 23 41 | 0 52 | 23 49 | 0 18 | 23 0 | 0 34 | 22 47 | 0 32 | 18 22 | 1 38 | 14 10 | 16 51 | 21 49 | 21 35 | 7 11 | 0 8 | 4 46 |
| T 31 | 17n 8 | 15s35 | 4n 8 | 16n44 | 1n40 | 13n53 | 1n27 | 23n38 | 0n53 | 23s49 | 0s18 | 23s 0 | 0n34 | 22s47 | 0s32 | 18s22 | 1n38 | 14n 9 | 16n50 | 21s47 | 21s34 | 7n 9 | 0s 8 | 4n46 |

Julian Day Number = 2082106.5, Delta T = 25m21s
Ecliptic obliquity = 23°34'09, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'33, Lahiri = 9°45'34 Julian Calendar 1 July 988 == Greg. Calendar 6 July 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## AUGUST 988 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 59 57 | 13♌31'04 | 18♒12 | 21♌ 3 | 28♌23 | 15♋21 | 3°R31 | 28°R51 | 18°R38 | 28°R35 | 3♎11 | 8°R 2 | 6♐47 | 28♌59 | 18°R35 | W 1 |
| T 2 | 21 3 53 | 14°28'52 | 3♓29 | 22°55 | 29°37 | 15°59 | 3♑27 | 28♐49 | 18♑36 | 28♏35 | 3°13 | 7♐52 | 6°43 | 29° 6 | 18♓33 | T 2 |
| F 3 | 21 7 50 | 15°26'42 | 18°39 | 24°45 | 0♍51 | 16°38 | 3°23 | 28°46 | 18°34 | 28°35 | 3°15 | 7°43 | 6°40 | 29°13 | 18°31 | F 3 |
| S 4 | 21 11 46 | 16°24'33 | 3♈30 | 26°34 | 2° 5 | 17°16 | 3°19 | 28°44 | 18°32 | 28°35 | 3°16 | 7°36 | 6°37 | 29°20 | 18°29 | S 4 |
| S 5 | 21 15 43 | 17°22'26 | 17°58 | 28°22 | 3°19 | 17°54 | 3°15 | 28°42 | 18°30 | 28°D35 | 3°18 | 7°30 | 6°34 | 29°26 | 18°26 | S 5 |
| M 6 | 21 19 40 | 18°20'21 | 1♉57 | 0♍ 8 | 4°33 | 18°33 | 3°12 | 28°40 | 18°28 | 28°35 | 3°20 | 7°27 | 6°31 | 29°33 | 18°24 | M 6 |
| T 7 | 21 23 36 | 19°18'18 | 15°29 | 1°53 | 5°47 | 19°11 | 3° 8 | 28°38 | 18°26 | 28°35 | 3°22 | 7°D26 | 6°28 | 29°40 | 18°22 | T 7 |
| W 8 | 21 27 33 | 20°16'17 | 28°37 | 3°37 | 7° 1 | 19°49 | 3° 5 | 28°36 | 18°24 | 28°35 | 3°24 | 7°26 | 6°24 | 29°47 | 18°20 | W 8 |
| T 9 | 21 31 29 | 21°14'18 | 11♊22 | 5°19 | 8°15 | 20°27 | 3° 2 | 28°34 | 18°22 | 28°35 | 3°26 | 7°R26 | 6°21 | 29°53 | 18°17 | T 9 |
| F 10 | 21 35 26 | 22°12'21 | 23°50 | 7° 1 | 9°30 | 21° 6 | 2°59 | 28°32 | 18°20 | 28°35 | 3°27 | 7°25 | 6°18 | 29°59 | 18°15 | F 10 |
| S 11 | 21 39 22 | 23°10'26 | 6♋ 5 | 8°41 | 10°44 | 21°44 | 2°57 | 28°31 | 18°18 | 28°35 | 3°29 | 7°22 | 6°15 | 0♍ 7 | 18°12 | S 11 |
| S 12 | 21 43 19 | 24° 8'33 | 18°11 | 10°19 | 11°58 | 22°22 | 2°54 | 28°29 | 18°16 | 28°35 | 3°31 | 7°16 | 6°12 | 0°13 | 18°10 | S 12 |
| M13 | 21 47 15 | 25° 6'41 | 0♌10 | 11°57 | 13°12 | 23° 0 | 2°52 | 28°28 | 18°15 | 28°36 | 3°33 | 7° 8 | 6° 8 | 0°20 | 18° 8 | M13 |
| T 14 | 21 51 12 | 26° 4'52 | 12° 5 | 13°33 | 14°26 | 23°38 | 2°50 | 28°26 | 18°13 | 28°36 | 3°35 | 6°56 | 6° 5 | 0°27 | 18° 5 | T 14 |
| W15 | 21 55 9 | 27° 3'04 | 23°58 | 15° 8 | 15°40 | 24°16 | 2°48 | 28°25 | 18°11 | 28°36 | 3°37 | 6°43 | 6° 2 | 0°34 | 18° 3 | W15 |
| T 16 | 21 59 5 | 28° 1'18 | 5♍49 | 16°41 | 16°54 | 24°54 | 2°47 | 28°24 | 18° 9 | 28°37 | 3°39 | 6°29 | 5°59 | 0°40 | 18° 0 | T 16 |
| F 17 | 22 3 2 | 28°59'34 | 17°42 | 18°14 | 18° 8 | 25°32 | 2°45 | 28°23 | 18° 8 | 28°37 | 3°41 | 6°15 | 5°56 | 0°47 | 17°58 | F 17 |
| S 18 | 22 6 58 | 29°57'51 | 29°36 | 19°45 | 19°22 | 26°10 | 2°44 | 28°22 | 18° 6 | 28°37 | 3°43 | 6° 2 | 5°53 | 0°54 | 17°55 | S 18 |
| S 19 | 22 10 55 | 0♍56'10 | 11♎35 | 21°16 | 20°36 | 26°47 | 2°43 | 28°21 | 18° 5 | 28°38 | 3°45 | 5°52 | 5°49 | 1° 0 | 17°52 | S 19 |
| M20 | 22 14 51 | 1°54'31 | 23°40 | 22°44 | 21°50 | 27°25 | 2°42 | 28°20 | 18° 3 | 28°38 | 3°47 | 5°45 | 5°46 | 1° 7 | 17°50 | M20 |
| T 21 | 22 18 48 | 2°52'54 | 5♏55 | 24°12 | 23° 4 | 28° 3 | 2°41 | 28°19 | 18° 2 | 28°39 | 3°50 | 5°41 | 5°43 | 1°14 | 17°47 | T 21 |
| W22 | 22 22 44 | 3°51'18 | 18°23 | 25°39 | 24°18 | 28°41 | 2°41 | 28°19 | 18° 0 | 28°39 | 3°52 | 5°39 | 5°40 | 1°21 | 17°45 | W22 |
| T 23 | 22 26 41 | 4°49'44 | 1♐ 9 | 27° 4 | 25°32 | 29°18 | 2°40 | 28°18 | 17°59 | 28°40 | 3°54 | 5°38 | 5°37 | 1°27 | 17°42 | T 23 |
| F 24 | 22 30 37 | 5°48'12 | 14°17 | 28°28 | 26°46 | 29°56 | 2°D40 | 28°18 | 17°57 | 28°41 | 3°56 | 5°38 | 5°34 | 1°34 | 17°39 | F 24 |
| S 25 | 22 34 34 | 6°46'41 | 27°51 | 29°51 | 28° 0 | 0♌33 | 2°40 | 28°17 | 17°56 | 28°41 | 3°58 | 5°37 | 5°30 | 1°41 | 17°37 | S 25 |
| S 26 | 22 38 31 | 7°45'12 | 11♑53 | 1♎12 | 29°14 | 1°11 | 2°41 | 28°17 | 17°55 | 28°42 | 4° 0 | 5°34 | 5°27 | 1°48 | 17°34 | S 26 |
| M27 | 22 42 27 | 8°43'45 | 26°23 | 2°32 | 0♎28 | 1°49 | 2°41 | 28°17 | 17°54 | 28°43 | 4° 3 | 5°29 | 5°24 | 1°54 | 17°31 | M27 |
| T 28 | 22 46 24 | 9°42'19 | 11♒18 | 3°51 | 1°41 | 2°26 | 2°42 | 28°D17 | 17°52 | 28°43 | 4° 5 | 5°21 | 5°21 | 2° 1 | 17°29 | T 28 |
| W29 | 22 50 20 | 10°40'55 | 26°30 | 5° 8 | 2°55 | 3° 3 | 2°43 | 28°17 | 17°51 | 28°44 | 4° 7 | 5°11 | 5°18 | 2° 8 | 17°26 | W29 |
| T 30 | 22 54 17 | 11°39'33 | 11♓51 | 6°24 | 4° 9 | 3°41 | 2°44 | 28°17 | 17°50 | 28°45 | 4° 9 | 5° 0 | 5°14 | 2°14 | 17°23 | T 30 |
| F 31 | 22 58 13 | 12♍38'13 | 27♓ 7 | 7♎38 | 5♎23 | 4♌18 | 2♑45 | 28♐18 | 17♑49 | 28♏46 | 4♎11 | 4♐49 | 5♐11 | 2♍21 | 17♓21 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n51 | 10s56 | 4n45 | 16n 5 | 1n37 | 13n27 | 1n27 | 23n34 | 0n53 | 23s49 | 0s18 | 23s 0 | 0n34 | 22s47 | 0s32 | 18s22 | 1n38 | 14n 8 | 16n50 | 21s46 | 21s34 | 7n 6 | 0s 9 | 4n46 |
| T 2 | 16 35 | 5 35 | 5 2 | 15 25 | 1 33 | 13 1 | 1 26 | 23 30 | 0 54 | 23 49 | 0 18 | 23 0 | 0 34 | 22 48 | 0 32 | 18 22 | 1 38 | 14 7 | 16 50 | 21 44 | 21 33 | 7 4 | 0 10 | 4 46 |
| F 3 | 16 18 | 0n 3 | 4 57 | 14 45 | 1 29 | 12 34 | 1 26 | 23 26 | 0 54 | 23 50 | 0 18 | 23 0 | 0 34 | 22 48 | 0 32 | 18 22 | 1 38 | 14 6 | 16 49 | 21 43 | 21 32 | 7 2 | 0 11 | 4 46 |
| S 4 | 16 0 | 5 34 | 4 33 | 14 3 | 1 25 | 12 7 | 1 25 | 23 21 | 0 55 | 23 50 | 0 18 | 23 0 | 0 33 | 22 48 | 0 32 | 18 22 | 1 38 | 14 5 | 16 49 | 21 42 | 21 32 | 6 59 | 0 11 | 4 46 |
| S 5 | 15 43 | 10 38 | 3 51 | 13 22 | 1 20 | 11 40 | 1 25 | 23 17 | 0 55 | 23 50 | 0 18 | 23 0 | 0 33 | 22 49 | 0 32 | 18 22 | 1 38 | 14 4 | 16 48 | 21 41 | 21 31 | 6 57 | 0 12 | 4 47 |
| M 6 | 15 25 | 14 58 | 2 57 | 12 40 | 1 15 | 11 12 | 1 24 | 23 12 | 0 56 | 23 50 | 0 18 | 23 1 | 0 33 | 22 49 | 0 32 | 18 22 | 1 38 | 14 3 | 16 48 | 21 40 | 21 31 | 6 54 | 0 13 | 4 47 |
| T 7 | 15 7 | 18 23 | 1 54 | 11 57 | 1 10 | 10 44 | 1 23 | 23 7 | 0 57 | 23 50 | 0 18 | 23 1 | 0 33 | 22 49 | 0 32 | 18 22 | 1 38 | 14 2 | 16 48 | 21 40 | 21 30 | 6 52 | 0 14 | 4 47 |
| W 8 | 14 48 | 20 43 | 0 47 | 11 14 | 1 4 | 10 16 | 1 23 | 23 2 | 0 57 | 23 51 | 0 19 | 23 1 | 0 33 | 22 49 | 0 32 | 18 22 | 1 38 | 14 0 | 16 47 | 21 40 | 21 30 | 6 49 | 0 15 | 4 47 |
| T 9 | 14 30 | 21 55 | 0s21 | 10 31 | 0 59 | 9 47 | 1 22 | 22 57 | 0 58 | 23 51 | 0 19 | 23 1 | 0 33 | 22 50 | 0 32 | 18 22 | 1 37 | 13 59 | 16 47 | 21 40 | 21 29 | 6 47 | 0 15 | 4 47 |
| F 10 | 14 11 | 22 0 | 1 26 | 9 48 | 0 52 | 9 18 | 1 21 | 22 52 | 0 58 | 23 51 | 0 19 | 23 1 | 0 33 | 22 50 | 0 32 | 18 22 | 1 37 | 13 58 | 16 46 | 21 40 | 21 29 | 6 45 | 0 16 | 4 47 |
| S 11 | 13 52 | 21 0 | 2 26 | 9 4 | 0 46 | 8 49 | 1 20 | 22 46 | 0 59 | 23 51 | 0 19 | 23 1 | 0 33 | 22 50 | 0 32 | 18 22 | 1 37 | 13 57 | 16 46 | 21 40 | 21 28 | 6 42 | 0 17 | 4 47 |
| S 12 | 13 33 | 19 4 | 3 18 | 8 21 | 0 39 | 8 20 | 1 19 | 22 40 | 0 59 | 23 51 | 0 19 | 23 1 | 0 32 | 22 50 | 0 32 | 18 22 | 1 37 | 13 56 | 16 46 | 21 39 | 21 28 | 6 40 | 0 18 | 4 47 |
| M13 | 13 13 | 16 18 | 4 1 | 7 37 | 0 32 | 7 50 | 1 18 | 22 35 | 1 0 | 23 51 | 0 19 | 23 1 | 0 32 | 22 51 | 0 32 | 18 22 | 1 37 | 13 55 | 16 45 | 21 37 | 21 27 | 6 37 | 0 19 | 4 47 |
| T 14 | 12 54 | 12 54 | 4 33 | 6 53 | 0 25 | 7 20 | 1 17 | 22 29 | 1 0 | 23 51 | 0 19 | 23 1 | 0 32 | 22 51 | 0 32 | 18 23 | 1 37 | 13 54 | 16 45 | 21 35 | 21 26 | 6 35 | 0 20 | 4 47 |
| W15 | 12 34 | 9 0 | 4 52 | 6 10 | 0 18 | 6 50 | 1 15 | 22 22 | 1 1 | 23 52 | 0 19 | 23 2 | 0 32 | 22 51 | 0 32 | 18 23 | 1 37 | 13 53 | 16 45 | 21 33 | 21 26 | 6 32 | 0 21 | 4 47 |
| T 16 | 12 14 | 4 47 | 5 0 | 5 27 | 0 11 | 6 20 | 1 14 | 22 16 | 1 1 | 23 52 | 0 19 | 23 2 | 0 32 | 22 51 | 0 32 | 18 23 | 1 37 | 13 52 | 16 45 | 21 31 | 21 25 | 6 30 | 0 22 | 4 47 |
| F 17 | 11 53 | 0 23 | 4 54 | 4 43 | 0 3 | 5 50 | 1 13 | 22 10 | 1 2 | 23 52 | 0 19 | 23 2 | 0 32 | 22 51 | 0 32 | 18 23 | 1 37 | 13 51 | 16 44 | 21 28 | 21 25 | 6 28 | 0 23 | 4 47 |
| S 18 | 11 33 | 4s 3 | 4 35 | 4 0 | 0s 5 | 5 20 | 1 11 | 22 3 | 1 2 | 23 52 | 0 19 | 23 2 | 0 32 | 22 52 | 0 32 | 18 23 | 1 37 | 13 50 | 16 44 | 21 26 | 21 24 | 6 25 | 0 24 | 4 47 |
| S 19 | 11 12 | 8 21 | 4 4 | 3 18 | 0 12 | 4 49 | 1 10 | 21 56 | 1 3 | 23 52 | 0 19 | 23 2 | 0 31 | 22 52 | 0 32 | 18 23 | 1 37 | 13 49 | 16 44 | 21 24 | 21 24 | 6 23 | 0 25 | 4 47 |
| M20 | 10 51 | 12 22 | 3 22 | 2 35 | 0 20 | 4 18 | 1 8 | 21 49 | 1 3 | 23 52 | 0 20 | 23 2 | 0 31 | 22 52 | 0 32 | 18 23 | 1 37 | 13 48 | 16 43 | 21 23 | 21 23 | 6 20 | 0 26 | 4 47 |
| T 21 | 10 30 | 15 55 | 2 30 | 1 53 | 0 28 | 3 47 | 1 7 | 21 42 | 1 4 | 23 52 | 0 20 | 23 2 | 0 31 | 22 52 | 0 32 | 18 24 | 1 37 | 13 47 | 16 43 | 21 22 | 21 23 | 6 18 | 0 27 | 4 47 |
| W22 | 10 9 | 18 50 | 1 30 | 1 11 | 0 36 | 3 16 | 1 5 | 21 35 | 1 4 | 23 52 | 0 20 | 23 2 | 0 31 | 22 52 | 0 32 | 18 24 | 1 37 | 13 45 | 16 43 | 21 22 | 21 22 | 6 16 | 0 28 | 4 47 |
| T 23 | 9 48 | 20 53 | 0 24 | 0 30 | 0 44 | 2 45 | 1 3 | 21 28 | 1 5 | 23 52 | 0 20 | 23 3 | 0 31 | 22 53 | 0 32 | 18 24 | 1 37 | 13 44 | 16 43 | 21 22 | 21 21 | 6 13 | 0 29 | 4 47 |
| F 24 | 9 26 | 21 53 | 0n46 | 0s11 | 0 52 | 2 14 | 1 2 | 21 20 | 1 5 | 23 52 | 0 20 | 23 3 | 0 31 | 22 53 | 0 32 | 18 24 | 1 37 | 13 43 | 16 42 | 21 22 | 21 21 | 6 11 | 0 30 | 4 47 |
| S 25 | 9 4 | 21 39 | 1 54 | 0 52 | 1 0 | 1 43 | 1 0 | 21 13 | 1 6 | 23 52 | 0 20 | 23 3 | 0 31 | 22 53 | 0 32 | 18 24 | 1 37 | 13 42 | 16 42 | 21 21 | 21 20 | 6 8 | 0 31 | 4 47 |
| S 26 | 8 42 | 20 4 | 2 59 | 1 32 | 1 9 | 1 12 | 0 58 | 21 5 | 1 6 | 23 52 | 0 20 | 23 3 | 0 31 | 22 53 | 0 32 | 18 25 | 1 36 | 13 41 | 16 42 | 21 21 | 21 20 | 6 6 | 0 32 | 4 47 |
| M27 | 8 20 | 17 10 | 3 54 | 2 11 | 1 17 | 0 40 | 0 56 | 20 57 | 1 7 | 23 53 | 0 20 | 23 3 | 0 30 | 22 53 | 0 31 | 18 25 | 1 36 | 13 40 | 16 42 | 21 20 | 21 19 | 6 3 | 0 33 | 4 47 |
| T 28 | 7 58 | 13 5 | 4 35 | 2 50 | 1 25 | 0 9 | 0 54 | 20 49 | 1 7 | 23 53 | 0 20 | 23 3 | 0 30 | 22 53 | 0 31 | 18 25 | 1 36 | 13 39 | 16 41 | 21 19 | 21 19 | 6 1 | 0 34 | 4 47 |
| W29 | 7 36 | 8 6 | 4 57 | 3 28 | 1 33 | 0s23 | 0 52 | 20 41 | 1 8 | 23 53 | 0 20 | 23 3 | 0 30 | 22 53 | 0 31 | 18 25 | 1 36 | 13 38 | 16 41 | 21 17 | 21 18 | 5 59 | 0 35 | 4 47 |
| T 30 | 7 14 | 2 34 | 4 58 | 4 6 | 1 41 | 0 54 | 0 50 | 20 32 | 1 8 | 23 53 | 0 20 | 23 3 | 0 30 | 22 54 | 0 31 | 18 25 | 1 36 | 13 37 | 16 41 | 21 15 | 21 17 | 5 56 | 0 36 | 4 47 |
| F 31 | 6n51 | 3n 6 | 4n38 | 4s43 | 1s49 | 1s25 | 0n48 | 20n24 | 1n 9 | 23s53 | 0s20 | 23s 4 | 0n30 | 22s54 | 0s31 | 18s26 | 1n36 | 13n36 | 16n41 | 21s13 | 21s17 | 5n54 | 0s37 | 4n47 |

Julian Day Number = 2082137.5, Delta T = 25m20s
Ecliptic obliquity = 23°34'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'38, Lahiri = 9°45'38 Julian Calendar 1 Aug. 988 == Greg. Calendar 6 Aug. 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## SEPTEMBER 988 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 2 10 | 13♍36'55 | 12♈ 8 | 8♎50 | 6♎37 | 4♌55 | 2♑46 | 28♐18 | 17°R48 | 28♏46 | 4♎14 | 4°R40 | 5♐ 8 | 2♍28 | 17°R18 | S 1 |
| S 2 | 23 6 6 | 14°35'39 | 26°46 | 10° 1 | 7°51 | 5°33 | 2°48 | 28°18 | 17♑47 | 28°47 | 4°16 | 4♐34 | 5° 5 | 2°35 | 17♓15 | S 2 |
| M 3 | 23 10 3 | 15°34'26 | 10♉55 | 11°10 | 9° 5 | 6°10 | 2°50 | 28°19 | 17°46 | 28°48 | 4°18 | 4°30 | 5° 2 | 2°41 | 17°12 | M 3 |
| T 4 | 23 14 0 | 16°33'15 | 24°35 | 12°17 | 10°19 | 6°47 | 2°52 | 28°20 | 17°45 | 28°49 | 4°20 | 4°28 | 4°59 | 2°48 | 17°10 | T 4 |
| W 5 | 23 17 56 | 17°32'06 | 7♊46 | 13°21 | 11°33 | 7°24 | 2°54 | 28°20 | 17°44 | 28°50 | 4°23 | 4°D28 | 4°55 | 2°55 | 17° 7 | W 5 |
| T 6 | 23 21 53 | 18°31'00 | 20°33 | 14°24 | 12°47 | 8° 2 | 2°56 | 28°21 | 17°44 | 28°51 | 4°25 | 4°R28 | 4°52 | 3° 1 | 17° 4 | T 6 |
| F 7 | 23 25 49 | 19°29'56 | 3♋ 0 | 15°24 | 14° 0 | 8°39 | 2°59 | 28°22 | 17°43 | 28°52 | 4°27 | 4°27 | 4°49 | 3° 8 | 17° 2 | F 7 |
| S 8 | 23 29 46 | 20°28'54 | 15°11 | 16°21 | 15°14 | 9°16 | 3° 2 | 28°23 | 17°42 | 28°53 | 4°30 | 4°24 | 4°46 | 3°15 | 16°59 | S 8 |
| S 9 | 23 33 42 | 21°27'55 | 27°12 | 17°16 | 16°28 | 9°53 | 3° 5 | 28°24 | 17°41 | 28°54 | 4°32 | 4°19 | 4°43 | 3°22 | 16°56 | S 9 |
| M10 | 23 37 39 | 22°26'57 | 9♌ 7 | 18° 7 | 17°42 | 10°30 | 3° 8 | 28°26 | 17°41 | 28°56 | 4°34 | 4°11 | 4°39 | 3°28 | 16°53 | M10 |
| T 11 | 23 41 35 | 23°26'02 | 20°58 | 18°56 | 18°56 | 11° 7 | 3°11 | 28°27 | 17°40 | 28°57 | 4°37 | 4° 1 | 4°36 | 3°35 | 16°51 | T 11 |
| W12 | 23 45 32 | 24°25'10 | 2♍50 | 19°40 | 20°10 | 11°43 | 3°15 | 28°28 | 17°40 | 28°58 | 4°39 | 3°49 | 4°33 | 3°42 | 16°48 | W12 |
| T 13 | 23 49 29 | 25°24'19 | 14°43 | 20°21 | 21°23 | 12°20 | 3°18 | 28°30 | 17°39 | 28°59 | 4°41 | 3°36 | 4°30 | 3°49 | 16°45 | T 13 |
| F 14 | 23 53 25 | 26°23'31 | 26°40 | 20°57 | 22°37 | 12°57 | 3°22 | 28°32 | 17°39 | 29° 0 | 4°44 | 3°23 | 4°27 | 3°55 | 16°43 | F 14 |
| S 15 | 23 57 22 | 27°22'44 | 8♎41 | 21°29 | 23°51 | 13°34 | 3°26 | 28°33 | 17°39 | 29° 2 | 4°46 | 3°11 | 4°24 | 4° 2 | 16°40 | S 15 |
| S 16 | 0 1 18 | 28°22'00 | 20°48 | 21°55 | 25° 5 | 14°11 | 3°30 | 28°35 | 17°38 | 29° 3 | 4°49 | 3° 2 | 4°20 | 4° 9 | 16°37 | S 16 |
| M17 | 0 5 15 | 29°21'18 | 3♏ 2 | 22°16 | 26°19 | 14°47 | 3°35 | 28°37 | 17°38 | 29° 4 | 4°51 | 2°55 | 4°17 | 4°15 | 16°35 | M17 |
| T 18 | 0 9 11 | 0♎20'38 | 15°25 | 22°31 | 27°32 | 15°24 | 3°39 | 28°39 | 17°38 | 29° 6 | 4°53 | 2°51 | 4°14 | 4°22 | 16°32 | T 18 |
| W19 | 0 13 8 | 1°19'59 | 28° 1 | 22°40 | 28°46 | 16° 0 | 3°44 | 28°41 | 17°38 | 29° 7 | 4°56 | 2°D49 | 4°11 | 4°29 | 16°29 | W19 |
| T 20 | 0 17 4 | 2°19'23 | 10♐50 | 22°R41 | 29°59 | 16°37 | 3°49 | 28°43 | 17°38 | 29° 8 | 4°58 | 2°50 | 4° 8 | 4°36 | 16°27 | T 20 |
| F 21 | 0 21 1 | 3°18'48 | 23°58 | 22°35 | 1♏13 | 17°13 | 3°54 | 28°46 | 17°37 | 29°10 | 5° 0 | 2°50 | 4° 5 | 4°42 | 16°24 | F 21 |
| S 22 | 0 24 57 | 4°18'16 | 7♑26 | 22°21 | 2°27 | 17°50 | 3°59 | 28°48 | 17°D37 | 29°11 | 5° 3 | 2°R50 | 4° 1 | 4°49 | 16°22 | S 22 |
| S 23 | 0 28 54 | 5°17'45 | 21°18 | 21°59 | 3°41 | 18°26 | 4° 5 | 28°51 | 17°37 | 29°13 | 5° 5 | 2°49 | 3°58 | 4°56 | 16°19 | S 23 |
| M24 | 0 32 51 | 6°17'15 | 5♒33 | 21°28 | 4°55 | 19° 3 | 4°11 | 28°53 | 17°38 | 29°14 | 5° 8 | 2°46 | 3°55 | 5° 3 | 16°17 | M24 |
| T 25 | 0 36 47 | 7°16'48 | 20°11 | 20°49 | 6° 8 | 19°39 | 4°16 | 28°56 | 17°38 | 29°16 | 5°10 | 2°40 | 3°52 | 5° 9 | 16°14 | T 25 |
| W26 | 0 40 44 | 8°16'22 | 5♓ 6 | 20° 2 | 7°22 | 20°15 | 4°22 | 28°59 | 17°38 | 29°17 | 5°12 | 2°33 | 3°49 | 5°16 | 16°12 | W26 |
| T 27 | 0 44 40 | 9°15'58 | 20°12 | 19° 7 | 8°35 | 20°51 | 4°28 | 29° 1 | 17°38 | 29°19 | 5°15 | 2°25 | 3°45 | 5°23 | 16° 9 | T 27 |
| F 28 | 0 48 37 | 10°15'36 | 5♈18 | 18° 5 | 9°49 | 21°27 | 4°35 | 29° 4 | 17°38 | 29°21 | 5°17 | 2°17 | 3°42 | 5°29 | 16° 7 | F 28 |
| S 29 | 0 52 33 | 11°15'16 | 20°14 | 16°57 | 11° 3 | 22° 4 | 4°41 | 29° 7 | 17°39 | 29°22 | 5°20 | 2°10 | 3°39 | 5°36 | 16° 4 | S 29 |
| S 30 | 0 56 30 | 12♎14'59 | 4♉51 | 15♎44 | 12♏16 | 22♌40 | 4♑48 | 29♐11 | 17♑39 | 29♏24 | 5♎22 | 2♐ 5 | 3♐36 | 5♍43 | 16♓ 2 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n29 | 8n29 | 3n59 | 5s19 | 1s57 | 1s57 | 0n45 | 20n15 | 1n 9 | 23s53 | 0s20 | 23s 4 | 0n30 | 22s54 | 0s31 | 18s26 | 1n36 | 13n35 | 16n41 | 21s11 | 21s16 | 5n51 | 0s38 | 4n47 |
| S 2 | 6 6 | 13 15 | 3 5 | 5 54 | 2 5 | 2 28 | 0 43 | 20 7 | 1 10 | 23 53 | 0 20 | 23 4 | 0 30 | 22 54 | 0 31 | 18 26 | 1 36 | 13 34 | 16 40 | 21 10 | 21 16 | 5 49 | 0 39 | 4 47 |
| M 3 | 5 43 | 17 6 | 2 1 | 6 28 | 2 12 | 3 0 | 0 41 | 19 58 | 1 10 | 23 53 | 0 21 | 23 4 | 0 30 | 22 54 | 0 31 | 18 26 | 1 36 | 13 33 | 16 40 | 21 9 | 21 15 | 5 46 | 0 40 | 4 47 |
| T 4 | 5 20 | 19 52 | 0 52 | 7 1 | 2 20 | 3 31 | 0 39 | 19 49 | 1 11 | 23 53 | 0 21 | 23 4 | 0 29 | 22 54 | 0 31 | 18 27 | 1 36 | 13 32 | 16 40 | 21 9 | 21 15 | 5 44 | 0 41 | 4 47 |
| W 5 | 4 57 | 21 26 | 0s18 | 7 33 | 2 27 | 4 2 | 0 36 | 19 40 | 1 11 | 23 53 | 0 21 | 23 4 | 0 29 | 22 54 | 0 31 | 18 27 | 1 36 | 13 31 | 16 40 | 21 9 | 21 14 | 5 42 | 0 43 | 4 47 |
| T 6 | 4 34 | 21 50 | 1 24 | 8 4 | 2 34 | 4 33 | 0 34 | 19 31 | 1 12 | 23 53 | 0 21 | 23 4 | 0 29 | 22 54 | 0 31 | 18 27 | 1 36 | 13 30 | 16 40 | 21 9 | 21 13 | 5 39 | 0 44 | 4 47 |
| F 7 | 4 11 | 21 7 | 2 25 | 8 34 | 2 41 | 5 4 | 0 31 | 19 22 | 1 12 | 23 53 | 0 21 | 23 5 | 0 29 | 22 54 | 0 31 | 18 28 | 1 36 | 13 29 | 16 40 | 21 9 | 21 13 | 5 37 | 0 45 | 4 47 |
| S 8 | 3 47 | 19 25 | 3 18 | 9 2 | 2 48 | 5 35 | 0 29 | 19 12 | 1 13 | 23 53 | 0 21 | 23 5 | 0 29 | 22 54 | 0 31 | 18 28 | 1 36 | 13 28 | 16 40 | 21 8 | 21 12 | 5 34 | 0 46 | 4 47 |
| S 9 | 3 24 | 16 53 | 4 1 | 9 29 | 2 54 | 6 6 | 0 26 | 19 3 | 1 13 | 23 53 | 0 21 | 23 5 | 0 29 | 22 55 | 0 31 | 18 28 | 1 36 | 13 26 | 16 39 | 21 7 | 21 12 | 5 32 | 0 47 | 4 47 |
| M10 | 3 1 | 13 41 | 4 33 | 9 55 | 3 0 | 6 37 | 0 24 | 18 53 | 1 14 | 23 53 | 0 21 | 23 5 | 0 29 | 22 55 | 0 31 | 18 28 | 1 36 | 13 25 | 16 39 | 21 6 | 21 11 | 5 29 | 0 48 | 4 47 |
| T 11 | 2 37 | 9 56 | 4 54 | 10 18 | 3 5 | 7 8 | 0 21 | 18 43 | 1 14 | 23 53 | 0 21 | 23 5 | 0 29 | 22 55 | 0 31 | 18 29 | 1 36 | 13 24 | 16 39 | 21 4 | 21 11 | 5 27 | 0 49 | 4 47 |
| W12 | 2 14 | 5 50 | 5 1 | 10 40 | 3 11 | 7 38 | 0 18 | 18 34 | 1 15 | 23 53 | 0 21 | 23 5 | 0 28 | 22 55 | 0 31 | 18 29 | 1 36 | 13 23 | 16 39 | 21 2 | 21 10 | 5 25 | 0 50 | 4 47 |
| T 13 | 1 50 | 1 30 | 4 56 | 11 0 | 3 15 | 8 8 | 0 16 | 18 24 | 1 15 | 23 53 | 0 21 | 23 5 | 0 28 | 22 55 | 0 31 | 18 29 | 1 35 | 13 22 | 16 39 | 20 59 | 21 9 | 5 22 | 0 51 | 4 47 |
| F 14 | 1 27 | 2s54 | 4 37 | 11 18 | 3 19 | 8 39 | 0 13 | 18 14 | 1 16 | 23 53 | 0 21 | 23 6 | 0 28 | 22 55 | 0 31 | 18 30 | 1 35 | 13 21 | 16 39 | 20 57 | 21 9 | 5 20 | 0 53 | 4 47 |
| S 15 | 1 3 | 7 14 | 4 6 | 11 33 | 3 23 | 9 9 | 0 10 | 18 3 | 1 16 | 23 53 | 0 21 | 23 6 | 0 28 | 22 55 | 0 31 | 18 30 | 1 35 | 13 20 | 16 39 | 20 54 | 21 8 | 5 17 | 0 54 | 4 46 |
| S 16 | 0 39 | 11 18 | 3 24 | 11 45 | 3 25 | 9 38 | 0 8 | 17 53 | 1 17 | 23 53 | 0 21 | 23 6 | 0 28 | 22 55 | 0 31 | 18 30 | 1 35 | 13 20 | 16 39 | 20 53 | 21 8 | 5 15 | 0 55 | 4 46 |
| M17 | 0 15 | 14 58 | 2 32 | 11 55 | 3 27 | 10 8 | 0 5 | 17 43 | 1 17 | 23 53 | 0 21 | 23 6 | 0 28 | 22 55 | 0 31 | 18 31 | 1 35 | 13 19 | 16 39 | 20 51 | 21 7 | 5 12 | 0 56 | 4 46 |
| T 18 | 0s 8 | 18 0 | 1 31 | 12 2 | 3 28 | 10 37 | 0 2 | 17 33 | 1 18 | 23 52 | 0 21 | 23 6 | 0 28 | 22 55 | 0 31 | 18 31 | 1 35 | 13 18 | 16 39 | 20 51 | 21 6 | 5 10 | 0 57 | 4 46 |
| W19 | 0 32 | 20 14 | 0 26 | 12 5 | 3 28 | 11 6 | 0s 1 | 17 22 | 1 18 | 23 52 | 0 21 | 23 6 | 0 27 | 22 55 | 0 31 | 18 31 | 1 35 | 13 17 | 16 39 | 20 50 | 21 6 | 5 8 | 0 58 | 4 46 |
| T 20 | 0 56 | 21 29 | 0n43 | 12 4 | 3 27 | 11 35 | 0 4 | 17 11 | 1 19 | 23 52 | 0 21 | 23 6 | 0 27 | 22 55 | 0 31 | 18 32 | 1 35 | 13 16 | 16 39 | 20 50 | 21 5 | 5 5 | 0 59 | 4 46 |
| F 21 | 1 19 | 21 35 | 1 51 | 12 0 | 3 25 | 12 4 | 0 6 | 17 1 | 1 19 | 23 52 | 0 22 | 23 7 | 0 27 | 22 55 | 0 31 | 18 32 | 1 35 | 13 15 | 16 39 | 20 50 | 21 5 | 5 3 | 1 0 | 4 46 |
| S 22 | 1 43 | 20 28 | 2 54 | 11 51 | 3 21 | 12 32 | 0 9 | 16 50 | 1 20 | 23 52 | 0 22 | 23 7 | 0 27 | 22 55 | 0 31 | 18 32 | 1 35 | 13 14 | 16 39 | 20 50 | 21 4 | 5 0 | 1 2 | 4 46 |
| S 23 | 2 7 | 18 6 | 3 49 | 11 38 | 3 16 | 13 0 | 0 12 | 16 39 | 1 20 | 23 52 | 0 22 | 23 7 | 0 27 | 22 55 | 0 31 | 18 33 | 1 35 | 13 13 | 16 39 | 20 50 | 21 3 | 4 58 | 1 3 | 4 45 |
| M24 | 2 31 | 14 35 | 4 32 | 11 20 | 3 9 | 13 28 | 0 15 | 16 28 | 1 21 | 23 52 | 0 22 | 23 7 | 0 27 | 22 55 | 0 31 | 18 33 | 1 35 | 13 12 | 16 39 | 20 50 | 21 3 | 4 56 | 1 4 | 4 45 |
| T 25 | 2 54 | 10 7 | 4 59 | 10 57 | 3 0 | 13 55 | 0 18 | 16 17 | 1 21 | 23 52 | 0 22 | 23 7 | 0 27 | 22 55 | 0 31 | 18 34 | 1 35 | 13 11 | 16 39 | 20 48 | 21 2 | 4 53 | 1 5 | 4 45 |
| W26 | 3 18 | 4 57 | 5 5 | 10 29 | 2 49 | 14 22 | 0 21 | 16 6 | 1 22 | 23 52 | 0 22 | 23 7 | 0 27 | 22 55 | 0 31 | 18 34 | 1 35 | 13 10 | 16 39 | 20 47 | 21 2 | 4 51 | 1 6 | 4 45 |
| T 27 | 3 41 | 0n33 | 4 51 | 9 56 | 2 37 | 14 49 | 0 24 | 15 55 | 1 22 | 23 51 | 0 22 | 23 7 | 0 27 | 22 55 | 0 31 | 18 34 | 1 35 | 13 9 | 16 39 | 20 45 | 21 1 | 4 48 | 1 7 | 4 45 |
| F 28 | 4 5 | 6 2 | 4 17 | 9 19 | 2 22 | 15 15 | 0 27 | 15 44 | 1 23 | 23 51 | 0 22 | 23 8 | 0 26 | 22 55 | 0 31 | 18 35 | 1 35 | 13 8 | 16 39 | 20 44 | 21 0 | 4 46 | 1 8 | 4 45 |
| S 29 | 4 29 | 11 7 | 3 25 | 8 38 | 2 6 | 15 41 | 0 30 | 15 32 | 1 23 | 23 51 | 0 22 | 23 8 | 0 26 | 22 55 | 0 31 | 18 35 | 1 35 | 13 7 | 16 39 | 20 42 | 21 0 | 4 43 | 1 9 | 4 45 |
| S 30 | 4s52 | 15n25 | 2n21 | 7s54 | 1s49 | 16s 7 | 0s33 | 15n21 | 1n24 | 23s51 | 0s22 | 23s 8 | 0n26 | 22s54 | 0s31 | 18s35 | 1n35 | 13n 7 | 16n39 | 20s41 | 20s59 | 4n41 | 1s10 | 4n44 |

Julian Day Number = 2082168.5, Delta T = 25m20s
Ecliptic obliquity = 23°34'10, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'42, Lahiri = 9°45'42 Julian Calendar 1 Sept. 988 == Greg. Calendar 6 Sept. 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## OCTOBER 988 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 1 0 26 | 13♎14'43 | 19♉ 5 | 14°R29 | 13♏30 | 23♌16 | 4♑54 | 29♐14 | 17♑40 | 29♏26 | 5♎24 | 2°R 2 | 3♐33 | 5♍50 | 16°R 0 | M 1 |
| T 2 | 1 4 23 | 14°14'30 | 2♊50 | 13♎14 | 14°43 | 23°52 | 5° 1 | 29°17 | 17°40 | 29°27 | 5°27 | 2°D 1 | 3°30 | 5°56 | 15♓57 | T 2 |
| W 3 | 1 8 20 | 15°14'19 | 16° 8 | 12° 1 | 15°57 | 24°28 | 5° 8 | 29°20 | 17°41 | 29°29 | 5°29 | 2♐ 2 | 3°26 | 6° 3 | 15°55 | W 3 |
| T 4 | 1 12 16 | 16°14'10 | 29° 0 | 10°52 | 17°10 | 25° 3 | 5°15 | 29°24 | 17°41 | 29°31 | 5°31 | 2° 3 | 3°23 | 6°10 | 15°53 | T 4 |
| F 5 | 1 16 13 | 17°14'04 | 11♋31 | 9°49 | 18°24 | 25°39 | 5°23 | 29°27 | 17°42 | 29°33 | 5°34 | 2° 4 | 3°20 | 6°16 | 15°50 | F 5 |
| S 6 | 1 20 9 | 18°13'59 | 23°45 | 8°54 | 19°37 | 26°15 | 5°30 | 29°31 | 17°43 | 29°34 | 5°36 | 2°R 4 | 3°17 | 6°23 | 15°48 | S 6 |
| S 7 | 1 24 6 | 19°13'57 | 5♌46 | 8° 9 | 20°51 | 26°51 | 5°38 | 29°35 | 17°43 | 29°36 | 5°38 | 2° 3 | 3°14 | 6°30 | 15°46 | S 7 |
| M 8 | 1 28 2 | 20°13'58 | 17°41 | 7°35 | 22° 4 | 27°26 | 5°46 | 29°39 | 17°44 | 29°38 | 5°41 | 1°59 | 3°10 | 6°37 | 15°44 | M 8 |
| T 9 | 1 31 59 | 21°14'00 | 29°32 | 7°12 | 23°17 | 28° 2 | 5°54 | 29°42 | 17°45 | 29°40 | 5°43 | 1°54 | 3° 7 | 6°43 | 15°42 | T 9 |
| W10 | 1 35 55 | 22°14'04 | 11♍24 | 7° 0 | 24°31 | 28°38 | 6° 2 | 29°46 | 17°46 | 29°42 | 5°45 | 1°47 | 3° 4 | 6°50 | 15°40 | W10 |
| T 11 | 1 39 52 | 23°14'11 | 23°20 | 7°D 0 | 25°44 | 29°13 | 6°10 | 29°50 | 17°47 | 29°44 | 5°48 | 1°40 | 3° 1 | 6°57 | 15°38 | T 11 |
| F 12 | 1 43 49 | 24°14'19 | 5♎22 | 7°11 | 26°58 | 29°48 | 6°18 | 29°55 | 17°48 | 29°46 | 5°50 | 1°32 | 2°58 | 7° 4 | 15°36 | F 12 |
| S 13 | 1 47 45 | 25°14'30 | 17°33 | 7°32 | 28°11 | 0♍24 | 6°27 | 29°59 | 17°49 | 29°48 | 5°52 | 1°26 | 2°55 | 7°10 | 15°34 | S 13 |
| S 14 | 1 51 42 | 26°14'42 | 29°52 | 8° 3 | 29°24 | 0°59 | 6°35 | 0♑ 3 | 17°50 | 29°49 | 5°55 | 1°20 | 2°51 | 7°17 | 15°32 | S 14 |
| M15 | 1 55 38 | 27°14'57 | 12♏22 | 8°43 | 0♐38 | 1°34 | 6°44 | 0° 7 | 17°51 | 29°51 | 5°57 | 1°17 | 2°48 | 7°24 | 15°30 | M15 |
| T 16 | 1 59 35 | 28°15'13 | 25° 2 | 9°31 | 1°51 | 2°10 | 6°53 | 0°12 | 17°53 | 29°53 | 5°59 | 1°D15 | 2°45 | 7°30 | 15°28 | T 16 |
| W17 | 2 3 31 | 29°15'31 | 7♐54 | 10°25 | 3° 4 | 2°45 | 7° 2 | 0°16 | 17°54 | 29°55 | 6° 1 | 1°15 | 2°42 | 7°37 | 15°26 | W17 |
| T 18 | 2 7 28 | 0♏15'50 | 20°58 | 11°26 | 4°17 | 3°20 | 7°11 | 0°21 | 17°55 | 29°57 | 6° 4 | 1°17 | 2°39 | 7°44 | 15°25 | T 18 |
| F 19 | 2 11 24 | 1°16'11 | 4♑17 | 12°33 | 5°31 | 3°55 | 7°20 | 0°26 | 17°57 | 29°59 | 6° 6 | 1°18 | 2°36 | 7°51 | 15°23 | F 19 |
| S 20 | 2 15 21 | 2°16'34 | 17°50 | 13°44 | 6°44 | 4°30 | 7°30 | 0°30 | 17°58 | 0♐ 2 | 6° 8 | 1°20 | 2°32 | 7°57 | 15°21 | S 20 |
| S 21 | 2 19 18 | 3°16'58 | 1♒39 | 14°59 | 7°57 | 5° 5 | 7°39 | 0°35 | 17°59 | 0° 4 | 6°10 | 1°R20 | 2°29 | 8° 4 | 15°20 | S 21 |
| M22 | 2 23 14 | 4°17'23 | 15°44 | 16°18 | 9°10 | 5°40 | 7°49 | 0°40 | 18° 1 | 0° 6 | 6°12 | 1°20 | 2°26 | 8°11 | 15°18 | M22 |
| T 23 | 2 27 11 | 5°17'50 | 0♓ 4 | 17°39 | 10°23 | 6°14 | 7°59 | 0°45 | 18° 2 | 0° 8 | 6°15 | 1°18 | 2°23 | 8°17 | 15°17 | T 23 |
| W24 | 2 31 7 | 6°18'18 | 14°35 | 19° 3 | 11°36 | 6°49 | 8° 9 | 0°50 | 18° 4 | 0°10 | 6°17 | 1°15 | 2°20 | 8°24 | 15°15 | W24 |
| T 25 | 2 35 4 | 7°18'47 | 29°14 | 20°29 | 12°49 | 7°24 | 8°19 | 0°55 | 18° 6 | 0°12 | 6°19 | 1°12 | 2°16 | 8°31 | 15°14 | T 25 |
| F 26 | 2 39 0 | 8°19'18 | 13♈55 | 21°57 | 14° 2 | 7°58 | 8°29 | 1° 0 | 18° 7 | 0°14 | 6°21 | 1° 9 | 2°13 | 8°38 | 15°12 | F 26 |
| S 27 | 2 42 57 | 9°19'50 | 28°29 | 23°26 | 15°15 | 8°33 | 8°39 | 1° 5 | 18° 9 | 0°16 | 6°23 | 1° 6 | 2°10 | 8°44 | 15°11 | S 27 |
| S 28 | 2 46 53 | 10°20'24 | 12♉51 | 24°56 | 16°28 | 9° 7 | 8°49 | 1°11 | 18°11 | 0°18 | 6°25 | 1° 4 | 2° 7 | 8°51 | 15°10 | S 28 |
| M29 | 2 50 50 | 11°20'59 | 26°55 | 26°27 | 17°41 | 9°42 | 9° 0 | 1°16 | 18°13 | 0°21 | 6°27 | 1°D 3 | 2° 4 | 8°58 | 15° 8 | M29 |
| T 30 | 2 54 47 | 12°21'36 | 10♊37 | 27°59 | 18°54 | 10°16 | 9°10 | 1°21 | 18°15 | 0°23 | 6°29 | 1° 3 | 2° 1 | 9° 5 | 15° 7 | T 30 |
| W31 | 2 58 43 | 13♏22'15 | 23♊56 | 29♎31 | 20♐ 7 | 10♍50 | 9♑21 | 1♑27 | 18♑17 | 0♐25 | 6♎31 | 1♐ 4 | 1♐57 | 9♍11 | 15♓ 6 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s15 | 18n42 | 1n 9 | 7s 7 | 1s30 | 16s32 | 0s35 | 15n10 | 1n24 | 23s51 | 0s22 | 23s 8 | 0n26 | 22s54 | 0s31 | 18s36 | 1n35 | 13n 6 | 16n39 | 20s41 | 20s59 | 4n39 | 1s11 | 4n44 |
| T 2 | 5 39 | 20 46 | 0s 4 | 6 19 | 1 10 | 16 57 | 0 38 | 14 58 | 1 25 | 23 50 | 0 22 | 23 8 | 0 26 | 22 54 | 0 31 | 18 36 | 1 35 | 13 5 | 16 39 | 20 41 | 20 58 | 4 36 | 1 12 | 4 44 |
| W 3 | 6 2 | 21 35 | 1 15 | 5 32 | 0 49 | 17 21 | 0 41 | 14 47 | 1 25 | 23 50 | 0 22 | 23 8 | 0 26 | 22 54 | 0 31 | 18 37 | 1 34 | 13 4 | 16 39 | 20 41 | 20 57 | 4 34 | 1 14 | 4 44 |
| T 4 | 6 25 | 21 13 | 2 21 | 4 45 | 0 28 | 17 45 | 0 44 | 14 35 | 1 26 | 23 50 | 0 22 | 23 8 | 0 26 | 22 54 | 0 31 | 18 37 | 1 34 | 13 3 | 16 39 | 20 41 | 20 57 | 4 31 | 1 15 | 4 44 |
| F 5 | 6 48 | 19 48 | 3 17 | 4 2 | 0 8 | 18 9 | 0 47 | 14 23 | 1 26 | 23 50 | 0 22 | 23 9 | 0 26 | 22 54 | 0 31 | 18 38 | 1 34 | 13 2 | 16 40 | 20 41 | 20 56 | 4 29 | 1 16 | 4 43 |
| S 6 | 7 11 | 17 29 | 4 3 | 3 22 | 0n12 | 18 32 | 0 50 | 14 11 | 1 27 | 23 50 | 0 22 | 23 9 | 0 25 | 22 54 | 0 31 | 18 38 | 1 34 | 13 2 | 16 40 | 20 41 | 20 56 | 4 26 | 1 17 | 4 43 |
| S 7 | 7 34 | 14 27 | 4 38 | 2 47 | 0 31 | 18 55 | 0 53 | 14 0 | 1 27 | 23 49 | 0 22 | 23 9 | 0 25 | 22 54 | 0 31 | 18 38 | 1 34 | 13 1 | 16 40 | 20 41 | 20 55 | 4 24 | 1 18 | 4 43 |
| M 8 | 7 57 | 10 51 | 5 0 | 2 17 | 0 48 | 19 17 | 0 56 | 13 48 | 1 28 | 23 49 | 0 22 | 23 9 | 0 25 | 22 54 | 0 31 | 18 39 | 1 34 | 13 0 | 16 40 | 20 40 | 20 54 | 4 22 | 1 19 | 4 43 |
| T 9 | 8 20 | 6 52 | 5 9 | 1 53 | 1 4 | 19 38 | 0 58 | 13 36 | 1 28 | 23 49 | 0 22 | 23 9 | 0 25 | 22 53 | 0 31 | 18 39 | 1 34 | 12 59 | 16 40 | 20 39 | 20 54 | 4 19 | 1 20 | 4 43 |
| W10 | 8 42 | 2 38 | 5 5 | 1 36 | 1 18 | 19 59 | 1 1 | 13 24 | 1 29 | 23 48 | 0 22 | 23 9 | 0 25 | 22 53 | 0 31 | 18 40 | 1 34 | 12 59 | 16 40 | 20 38 | 20 53 | 4 17 | 1 21 | 4 42 |
| T 11 | 9 5 | 1s45 | 4 48 | 1 24 | 1 31 | 20 20 | 1 4 | 13 12 | 1 29 | 23 48 | 0 23 | 23 9 | 0 25 | 22 53 | 0 31 | 18 40 | 1 34 | 12 58 | 16 40 | 20 36 | 20 52 | 4 14 | 1 22 | 4 42 |
| F 12 | 9 27 | 6 5 | 4 18 | 1 19 | 1 42 | 20 40 | 1 7 | 13 0 | 1 30 | 23 48 | 0 23 | 23 9 | 0 25 | 22 53 | 0 31 | 18 41 | 1 34 | 12 57 | 16 41 | 20 35 | 20 52 | 4 12 | 1 23 | 4 42 |
| S 13 | 9 49 | 10 14 | 3 35 | 1 19 | 1 51 | 20 59 | 1 9 | 12 48 | 1 30 | 23 47 | 0 23 | 23 9 | 0 25 | 22 53 | 0 31 | 18 41 | 1 34 | 12 56 | 16 41 | 20 33 | 20 51 | 4 10 | 1 24 | 4 42 |
| S 14 | 10 11 | 14 1 | 2 43 | 1 24 | 1 58 | 21 18 | 1 12 | 12 35 | 1 31 | 23 47 | 0 23 | 23 10 | 0 25 | 22 53 | 0 31 | 18 41 | 1 34 | 12 56 | 16 41 | 20 32 | 20 51 | 4 7 | 1 24 | 4 42 |
| M15 | 10 33 | 17 14 | 1 41 | 1 35 | 2 4 | 21 37 | 1 15 | 12 23 | 1 31 | 23 47 | 0 23 | 23 10 | 0 24 | 22 53 | 0 31 | 18 42 | 1 34 | 12 55 | 16 41 | 20 32 | 20 50 | 4 5 | 1 25 | 4 41 |
| T 16 | 10 55 | 19 41 | 0 34 | 1 49 | 2 8 | 21 55 | 1 17 | 12 11 | 1 31 | 23 46 | 0 23 | 23 10 | 0 24 | 22 52 | 0 31 | 18 42 | 1 34 | 12 54 | 16 41 | 20 31 | 20 49 | 4 2 | 1 26 | 4 41 |
| W17 | 11 16 | 21 9 | 0n36 | 2 8 | 2 11 | 22 12 | 1 20 | 11 59 | 1 32 | 23 46 | 0 23 | 23 10 | 0 24 | 22 52 | 0 31 | 18 43 | 1 34 | 12 54 | 16 42 | 20 31 | 20 49 | 4 0 | 1 27 | 4 41 |
| T 18 | 11 38 | 21 30 | 1 46 | 2 30 | 2 13 | 22 28 | 1 23 | 11 46 | 1 32 | 23 45 | 0 23 | 23 10 | 0 24 | 22 52 | 0 31 | 18 43 | 1 34 | 12 53 | 16 42 | 20 32 | 20 48 | 3 58 | 1 28 | 4 41 |
| F 19 | 11 59 | 20 39 | 2 51 | 2 56 | 2 14 | 22 44 | 1 25 | 11 34 | 1 33 | 23 45 | 0 23 | 23 10 | 0 24 | 22 52 | 0 30 | 18 44 | 1 34 | 12 52 | 16 42 | 20 32 | 20 48 | 3 55 | 1 29 | 4 40 |
| S 20 | 12 20 | 18 36 | 3 48 | 3 23 | 2 14 | 22 59 | 1 28 | 11 22 | 1 34 | 23 44 | 0 23 | 23 10 | 0 24 | 22 52 | 0 30 | 18 44 | 1 34 | 12 52 | 16 42 | 20 32 | 20 47 | 3 53 | 1 30 | 4 40 |
| S 21 | 12 41 | 15 28 | 4 33 | 3 54 | 2 13 | 23 14 | 1 30 | 11 9 | 1 34 | 23 44 | 0 23 | 23 10 | 0 24 | 22 51 | 0 30 | 18 45 | 1 34 | 12 51 | 16 43 | 20 32 | 20 46 | 3 50 | 1 31 | 4 40 |
| M22 | 13 1 | 11 24 | 5 2 | 4 26 | 2 11 | 23 28 | 1 33 | 10 57 | 1 35 | 23 43 | 0 23 | 23 10 | 0 24 | 22 51 | 0 30 | 18 45 | 1 34 | 12 50 | 16 43 | 20 32 | 20 46 | 3 48 | 1 32 | 4 40 |
| T 23 | 13 22 | 6 37 | 5 14 | 4 59 | 2 8 | 23 41 | 1 35 | 10 44 | 1 35 | 23 43 | 0 23 | 23 10 | 0 24 | 22 51 | 0 30 | 18 46 | 1 34 | 12 50 | 16 43 | 20 32 | 20 45 | 3 45 | 1 32 | 4 39 |
| W24 | 13 42 | 1 24 | 5 5 | 5 34 | 2 5 | 23 54 | 1 37 | 10 32 | 1 36 | 23 42 | 0 23 | 23 11 | 0 23 | 22 51 | 0 30 | 18 46 | 1 34 | 12 49 | 16 43 | 20 31 | 20 44 | 3 43 | 1 33 | 4 39 |
| T 25 | 14 2 | 3n56 | 4 37 | 6 10 | 2 1 | 24 6 | 1 39 | 10 19 | 1 36 | 23 42 | 0 23 | 23 11 | 0 23 | 22 50 | 0 30 | 18 47 | 1 34 | 12 49 | 16 44 | 20 31 | 20 44 | 3 41 | 1 34 | 4 39 |
| F 26 | 14 21 | 9 4 | 3 51 | 6 47 | 1 57 | 24 17 | 1 42 | 10 7 | 1 37 | 23 41 | 0 23 | 23 11 | 0 23 | 22 50 | 0 30 | 18 47 | 1 34 | 12 48 | 16 44 | 20 30 | 20 43 | 3 38 | 1 35 | 4 39 |
| S 27 | 14 41 | 13 38 | 2 50 | 7 25 | 1 52 | 24 28 | 1 44 | 9 54 | 1 37 | 23 40 | 0 23 | 23 11 | 0 23 | 22 50 | 0 30 | 18 47 | 1 34 | 12 47 | 16 44 | 20 29 | 20 42 | 3 36 | 1 35 | 4 38 |
| S 28 | 15 0 | 17 21 | 1 39 | 8 3 | 1 47 | 24 38 | 1 46 | 9 42 | 1 38 | 23 40 | 0 23 | 23 11 | 0 23 | 22 50 | 0 30 | 18 48 | 1 34 | 12 47 | 16 45 | 20 29 | 20 42 | 3 33 | 1 36 | 4 38 |
| M29 | 15 19 | 19 57 | 0 23 | 8 41 | 1 41 | 24 47 | 1 48 | 9 29 | 1 38 | 23 39 | 0 23 | 23 11 | 0 23 | 22 49 | 0 30 | 18 48 | 1 34 | 12 46 | 16 45 | 20 29 | 20 41 | 3 31 | 1 37 | 4 38 |
| T 30 | 15 38 | 21 18 | 0s53 | 9 19 | 1 36 | 24 56 | 1 50 | 9 17 | 1 39 | 23 38 | 0 23 | 23 11 | 0 23 | 22 49 | 0 30 | 18 49 | 1 34 | 12 46 | 16 45 | 20 29 | 20 41 | 3 29 | 1 38 | 4 38 |
| W31 | 15s56 | 21n23 | 2s 3 | 9s58 | 1n30 | 25s 3 | 1s52 | 9n 4 | 1n39 | 23s38 | 0s24 | 23s11 | 0n23 | 22s49 | 0s30 | 18s49 | 1n34 | 12n45 | 16n46 | 20s29 | 20s40 | 3n26 | 1s38 | 4n37 |

Julian Day Number = 2082198.5, Delta T = 25m19s
Ecliptic obliquity = 23°34'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'46, Lahiri = 9°45'46 Julian Calendar 1 Oct. 988 == Greg. Calendar 6 Oct. 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## NOVEMBER 988 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 2 40 | 14♏22'56 | 6♋52 | 1♏ 4 | 21♐19 | 11♍24 | 9♑32 | 1♑32 | 18♑18 | 0♐27 | 6♎33 | 1♐ 6 | 1♐54 | 9♍18 | 15°R 5 | T 1 |
| F 2 | 3 6 36 | 15°23'38 | 19°27 | 2°38 | 22°32 | 11°58 | 9°43 | 1°38 | 18°20 | 0°29 | 6°35 | 1° 7 | 1°51 | 9°25 | 15♓ 4 | F 2 |
| S 3 | 3 10 33 | 16°24'21 | 1♌45 | 4°11 | 23°45 | 12°32 | 9°54 | 1°44 | 18°23 | 0°31 | 6°37 | 1° 8 | 1°48 | 9°31 | 15° 3 | S 3 |
| S 4 | 3 14 29 | 17°25'07 | 13°50 | 5°45 | 24°58 | 13° 6 | 10° 5 | 1°49 | 18°25 | 0°34 | 6°39 | 1°R 9 | 1°45 | 9°38 | 15° 2 | S 4 |
| M 5 | 3 18 26 | 18°25'53 | 25°46 | 7°19 | 26°10 | 13°40 | 10°16 | 1°55 | 18°27 | 0°36 | 6°41 | 1° 9 | 1°42 | 9°45 | 15° 1 | M 5 |
| T 6 | 3 22 22 | 19°26'42 | 7♍38 | 8°53 | 27°23 | 14°14 | 10°27 | 2° 1 | 18°29 | 0°38 | 6°43 | 1° 8 | 1°38 | 9°52 | 15° 0 | T 6 |
| W 7 | 3 26 19 | 20°27'32 | 19°31 | 10°28 | 28°35 | 14°47 | 10°38 | 2° 7 | 18°31 | 0°40 | 6°45 | 1° 7 | 1°35 | 9°58 | 15° 0 | W 7 |
| T 8 | 3 30 16 | 21°28'23 | 1♎29 | 12° 2 | 29°48 | 15°21 | 10°50 | 2°13 | 18°33 | 0°43 | 6°47 | 1° 5 | 1°32 | 10° 5 | 14°59 | T 8 |
| F 9 | 3 34 12 | 22°29'16 | 13°36 | 13°36 | 1♑ 0 | 15°55 | 11° 1 | 2°18 | 18°36 | 0°45 | 6°48 | 1° 4 | 1°29 | 10°12 | 14°58 | F 9 |
| S 10 | 3 38 9 | 23°30'10 | 25°54 | 15°10 | 2°13 | 16°28 | 11°13 | 2°24 | 18°38 | 0°47 | 6°50 | 1° 3 | 1°26 | 10°19 | 14°58 | S 10 |
| S 11 | 3 42 5 | 24°31'06 | 8♏26 | 16°44 | 3°25 | 17° 1 | 11°25 | 2°31 | 18°40 | 0°49 | 6°52 | 1° 2 | 1°22 | 10°25 | 14°57 | S 11 |
| M12 | 3 46 2 | 25°32'03 | 21°12 | 18°19 | 4°37 | 17°35 | 11°37 | 2°37 | 18°43 | 0°52 | 6°54 | 1° 2 | 1°19 | 10°32 | 14°57 | M12 |
| T 13 | 3 49 58 | 26°33'01 | 4♐13 | 19°53 | 5°50 | 18° 8 | 11°49 | 2°43 | 18°45 | 0°54 | 6°56 | 1°D 2 | 1°16 | 10°39 | 14°56 | T 13 |
| W14 | 3 53 55 | 27°34'00 | 17°30 | 21°27 | 7° 2 | 18°41 | 12° 1 | 2°49 | 18°48 | 0°56 | 6°57 | 1° 2 | 1°13 | 10°45 | 14°56 | W14 |
| T 15 | 3 57 51 | 28°35'00 | 0♑59 | 23° 1 | 8°14 | 19°14 | 12°13 | 2°55 | 18°50 | 0°58 | 6°59 | 1° 2 | 1°10 | 10°52 | 14°55 | T 15 |
| F 16 | 4 1 48 | 29°36'01 | 14°40 | 24°35 | 9°26 | 19°47 | 12°25 | 3° 2 | 18°53 | 1° 1 | 7° 1 | 1° 2 | 1° 7 | 10°59 | 14°55 | F 16 |
| S 17 | 4 5 45 | 0♐37'02 | 28°32 | 26° 9 | 10°38 | 20°19 | 12°37 | 3° 8 | 18°55 | 1° 3 | 7° 2 | 1°R 2 | 1° 3 | 11° 6 | 14°55 | S 17 |
| S 18 | 4 9 41 | 1°38'05 | 12♒32 | 27°43 | 11°50 | 20°52 | 12°49 | 3°14 | 18°58 | 1° 5 | 7° 4 | 1° 2 | 1° 0 | 11°12 | 14°55 | S 18 |
| M19 | 4 13 38 | 2°39'07 | 26°39 | 29°17 | 13° 2 | 21°25 | 13° 2 | 3°21 | 19° 1 | 1° 7 | 7° 5 | 1°D 2 | 0°57 | 11°19 | 14°55 | M19 |
| T 20 | 4 17 34 | 3°40'11 | 10♓50 | 0♐51 | 14°14 | 21°57 | 13°14 | 3°27 | 19° 3 | 1°10 | 7° 7 | 1° 2 | 0°54 | 11°26 | 14°55 | T 20 |
| W21 | 4 21 31 | 4°41'14 | 25° 3 | 2°26 | 15°26 | 22°30 | 13°27 | 3°34 | 19° 6 | 1°12 | 7° 8 | 1° 2 | 0°51 | 11°32 | 14°D55 | W21 |
| T 22 | 4 25 27 | 5°42'19 | 9♈17 | 4° 0 | 16°37 | 23° 2 | 13°39 | 3°40 | 19° 9 | 1°14 | 7°10 | 1° 3 | 0°48 | 11°39 | 14°55 | T 22 |
| F 23 | 4 29 24 | 6°43'23 | 23°27 | 5°34 | 17°49 | 23°34 | 13°52 | 3°47 | 19°12 | 1°16 | 7°11 | 1° 3 | 0°44 | 11°46 | 14°55 | F 23 |
| S 24 | 4 33 20 | 7°44'29 | 7♉31 | 7° 9 | 19° 1 | 24° 6 | 14° 5 | 3°53 | 19°15 | 1°19 | 7°13 | 1° 4 | 0°41 | 11°53 | 14°55 | S 24 |
| S 25 | 4 37 17 | 8°45'35 | 21°26 | 8°43 | 20°12 | 24°38 | 14°17 | 4° 0 | 19°17 | 1°21 | 7°14 | 1° 4 | 0°38 | 11°59 | 14°55 | S 25 |
| M26 | 4 41 14 | 9°46'41 | 5♊ 8 | 10°18 | 21°23 | 25°10 | 14°30 | 4° 7 | 19°20 | 1°23 | 7°16 | 1°R 4 | 0°35 | 12° 6 | 14°55 | M26 |
| T 27 | 4 45 10 | 10°47'48 | 18°35 | 11°53 | 22°35 | 25°41 | 14°43 | 4°13 | 19°23 | 1°25 | 7°17 | 1° 4 | 0°32 | 12°13 | 14°56 | T 27 |
| W28 | 4 49 7 | 11°48'56 | 1♋44 | 13°28 | 23°46 | 26°13 | 14°56 | 4°20 | 19°26 | 1°28 | 7°18 | 1° 3 | 0°28 | 12°20 | 14°56 | W28 |
| T 29 | 4 53 3 | 12°50'04 | 14°36 | 15° 3 | 24°57 | 26°44 | 15° 9 | 4°27 | 19°29 | 1°30 | 7°19 | 1° 1 | 0°25 | 12°26 | 14°57 | T 29 |
| F 30 | 4 57 0 | 13♐51'13 | 27♋11 | 16♐38 | 26♑ 8 | 27♍16 | 15♑22 | 4♑34 | 19♑32 | 1♐32 | 7♎21 | 1♐ 0 | 0♐22 | 12♍33 | 14♓57 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s14 | 20n18 | 3s 5 | 10s36 | 1n24 | 25s10 | 1s54 | 8n52 | 1n40 | 23s37 | 0s24 | 23s11 | 0n23 | 22s49 | 0s30 | 18s50 | 1n34 | 12n45 | 16n46 | 20s29 | 20s39 | 3n24 | 1s39 | 4n37 |
| F 2 | 16 32 | 18 15 | 3 57 | 11 15 | 1 17 | 25 17 | 1 55 | 8 39 | 1 40 | 23 36 | 0 24 | 23 11 | 0 23 | 22 48 | 0 30 | 18 50 | 1 34 | 12 45 | 16 46 | 20 30 | 20 39 | 3 21 | 1 40 | 4 37 |
| S 3 | 16 50 | 15 24 | 4 36 | 11 53 | 1 11 | 25 22 | 1 57 | 8 26 | 1 41 | 23 35 | 0 24 | 23 11 | 0 22 | 22 48 | 0 30 | 18 51 | 1 34 | 12 44 | 16 47 | 20 30 | 20 38 | 3 19 | 1 40 | 4 37 |
| S 4 | 17 7 | 11 56 | 5 2 | 12 30 | 1 4 | 25 27 | 1 59 | 8 14 | 1 41 | 23 35 | 0 24 | 23 11 | 0 22 | 22 48 | 0 30 | 18 51 | 1 34 | 12 44 | 16 47 | 20 30 | 20 37 | 3 17 | 1 41 | 4 36 |
| M 5 | 17 24 | 8 3 | 5 15 | 13 8 | 0 57 | 25 31 | 2 0 | 8 1 | 1 42 | 23 34 | 0 24 | 23 11 | 0 22 | 22 47 | 0 30 | 18 52 | 1 34 | 12 43 | 16 47 | 20 30 | 20 37 | 3 14 | 1 41 | 4 36 |
| T 6 | 17 41 | 3 53 | 5 14 | 13 44 | 0 51 | 25 34 | 2 2 | 7 48 | 1 42 | 23 33 | 0 24 | 23 11 | 0 22 | 22 47 | 0 30 | 18 52 | 1 34 | 12 43 | 16 48 | 20 30 | 20 36 | 3 12 | 1 42 | 4 36 |
| W 7 | 17 58 | 0s26 | 5 0 | 14 21 | 0 44 | 25 37 | 2 3 | 7 36 | 1 43 | 23 32 | 0 24 | 23 11 | 0 22 | 22 47 | 0 30 | 18 53 | 1 33 | 12 43 | 16 48 | 20 30 | 20 35 | 3 9 | 1 43 | 4 35 |
| T 8 | 18 14 | 4 46 | 4 33 | 14 57 | 0 37 | 25 39 | 2 4 | 7 23 | 1 43 | 23 31 | 0 24 | 23 11 | 0 22 | 22 46 | 0 30 | 18 53 | 1 33 | 12 42 | 16 49 | 20 29 | 20 35 | 3 7 | 1 43 | 4 35 |
| F 9 | 18 30 | 8 58 | 3 54 | 15 32 | 0 30 | 25 40 | 2 6 | 7 11 | 1 44 | 23 30 | 0 24 | 23 11 | 0 22 | 22 46 | 0 30 | 18 54 | 1 33 | 12 42 | 16 49 | 20 29 | 20 34 | 3 5 | 1 44 | 4 35 |
| S 10 | 18 45 | 12 53 | 3 3 | 16 6 | 0 23 | 25 40 | 2 7 | 6 58 | 1 44 | 23 30 | 0 24 | 23 11 | 0 22 | 22 46 | 0 30 | 18 54 | 1 33 | 12 41 | 16 49 | 20 29 | 20 33 | 3 2 | 1 44 | 4 35 |
| S 11 | 19 0 | 16 19 | 2 2 | 16 40 | 0 16 | 25 39 | 2 8 | 6 45 | 1 45 | 23 29 | 0 24 | 23 11 | 0 22 | 22 45 | 0 30 | 18 55 | 1 33 | 12 41 | 16 50 | 20 29 | 20 33 | 3 0 | 1 45 | 4 34 |
| M12 | 19 15 | 19 2 | 0 54 | 17 13 | 0 9 | 25 38 | 2 9 | 6 33 | 1 45 | 23 28 | 0 24 | 23 11 | 0 22 | 22 45 | 0 30 | 18 55 | 1 33 | 12 41 | 16 50 | 20 29 | 20 32 | 2 57 | 1 45 | 4 34 |
| T 13 | 19 29 | 20 49 | 0n18 | 17 46 | 0 3 | 25 36 | 2 10 | 6 20 | 1 46 | 23 27 | 0 24 | 23 11 | 0 22 | 22 45 | 0 30 | 18 56 | 1 33 | 12 41 | 16 51 | 20 29 | 20 32 | 2 55 | 1 46 | 4 34 |
| W14 | 19 43 | 21 29 | 1 30 | 18 17 | 0s 4 | 25 33 | 2 11 | 6 8 | 1 46 | 23 26 | 0 24 | 23 11 | 0 21 | 22 44 | 0 30 | 18 56 | 1 33 | 12 40 | 16 51 | 20 29 | 20 31 | 2 53 | 1 46 | 4 33 |
| T 15 | 19 57 | 20 55 | 2 39 | 18 48 | 0 11 | 25 30 | 2 11 | 5 55 | 1 47 | 23 25 | 0 24 | 23 11 | 0 21 | 22 44 | 0 30 | 18 56 | 1 33 | 12 40 | 16 51 | 20 29 | 20 30 | 2 50 | 1 46 | 4 33 |
| F 16 | 20 10 | 19 7 | 3 39 | 19 18 | 0 18 | 25 26 | 2 12 | 5 43 | 1 47 | 23 23 | 0 24 | 23 11 | 0 21 | 22 44 | 0 30 | 18 57 | 1 33 | 12 40 | 16 52 | 20 29 | 20 30 | 2 48 | 1 47 | 4 33 |
| S 17 | 20 23 | 16 12 | 4 28 | 19 47 | 0 24 | 25 21 | 2 13 | 5 30 | 1 48 | 23 22 | 0 24 | 23 11 | 0 21 | 22 43 | 0 30 | 18 57 | 1 33 | 12 40 | 16 52 | 20 29 | 20 29 | 2 45 | 1 47 | 4 33 |
| S 18 | 20 36 | 12 19 | 5 1 | 20 15 | 0 31 | 25 15 | 2 13 | 5 18 | 1 48 | 23 21 | 0 24 | 23 11 | 0 21 | 22 43 | 0 30 | 18 58 | 1 33 | 12 39 | 16 53 | 20 29 | 20 28 | 2 43 | 1 47 | 4 32 |
| M19 | 20 48 | 7 44 | 5 16 | 20 42 | 0 37 | 25 8 | 2 14 | 5 5 | 1 49 | 23 20 | 0 25 | 23 11 | 0 21 | 22 42 | 0 30 | 18 58 | 1 33 | 12 39 | 16 53 | 20 29 | 20 28 | 2 41 | 1 48 | 4 32 |
| T 20 | 21 0 | 2 43 | 5 13 | 21 9 | 0 43 | 25 1 | 2 14 | 4 53 | 1 49 | 23 19 | 0 25 | 23 11 | 0 21 | 22 42 | 0 30 | 18 59 | 1 33 | 12 39 | 16 54 | 20 29 | 20 27 | 2 38 | 1 48 | 4 32 |
| W21 | 21 11 | 2n27 | 4 50 | 21 34 | 0 49 | 24 53 | 2 14 | 4 41 | 1 50 | 23 18 | 0 25 | 23 10 | 0 21 | 22 42 | 0 30 | 18 59 | 1 33 | 12 39 | 16 54 | 20 29 | 20 26 | 2 36 | 1 48 | 4 31 |
| T 22 | 21 22 | 7 31 | 4 9 | 21 58 | 0 55 | 24 45 | 2 14 | 4 28 | 1 50 | 23 16 | 0 25 | 23 10 | 0 21 | 22 41 | 0 30 | 19 0 | 1 33 | 12 39 | 16 55 | 20 29 | 20 26 | 2 33 | 1 49 | 4 31 |
| F 23 | 21 33 | 12 9 | 3 14 | 22 21 | 1 1 | 24 35 | 2 14 | 4 16 | 1 51 | 23 15 | 0 25 | 23 10 | 0 21 | 22 41 | 0 30 | 19 0 | 1 33 | 12 39 | 16 55 | 20 29 | 20 25 | 2 31 | 1 49 | 4 31 |
| S 24 | 21 43 | 16 6 | 2 7 | 22 43 | 1 7 | 24 25 | 2 14 | 4 4 | 1 52 | 23 14 | 0 25 | 23 10 | 0 21 | 22 40 | 0 30 | 19 1 | 1 33 | 12 39 | 16 56 | 20 29 | 20 24 | 2 29 | 1 49 | 4 30 |
| S 25 | 21 53 | 19 4 | 0 53 | 23 4 | 1 12 | 24 15 | 2 14 | 3 51 | 1 52 | 23 13 | 0 25 | 23 10 | 0 20 | 22 40 | 0 30 | 19 1 | 1 33 | 12 38 | 16 56 | 20 29 | 20 24 | 2 26 | 1 49 | 4 30 |
| M26 | 22 2 | 20 54 | 0s22 | 23 23 | 1 18 | 24 3 | 2 13 | 3 39 | 1 53 | 23 11 | 0 25 | 23 10 | 0 20 | 22 40 | 0 30 | 19 2 | 1 33 | 12 38 | 16 57 | 20 29 | 20 23 | 2 24 | 1 49 | 4 30 |
| T 27 | 22 11 | 21 29 | 1 36 | 23 42 | 1 23 | 23 51 | 2 13 | 3 27 | 1 53 | 23 10 | 0 25 | 23 10 | 0 20 | 22 39 | 0 30 | 19 2 | 1 33 | 12 38 | 16 57 | 20 29 | 20 22 | 2 22 | 1 49 | 4 30 |
| W28 | 22 20 | 20 52 | 2 42 | 23 59 | 1 28 | 23 38 | 2 12 | 3 15 | 1 54 | 23 9 | 0 25 | 23 10 | 0 20 | 22 39 | 0 30 | 19 2 | 1 33 | 12 38 | 16 58 | 20 29 | 20 22 | 2 19 | 1 50 | 4 29 |
| T 29 | 22 28 | 19 9 | 3 38 | 24 15 | 1 32 | 23 25 | 2 12 | 3 3 | 1 54 | 23 7 | 0 25 | 23 10 | 0 20 | 22 38 | 0 30 | 19 3 | 1 33 | 12 38 | 16 58 | 20 29 | 20 21 | 2 17 | 1 50 | 4 29 |
| F 30 | 22s35 | 16n32 | 4s23 | 24s30 | 1s37 | 23s11 | 2s11 | 2n51 | 1n55 | 23s 6 | 0s25 | 23s 9 | 0n20 | 22s38 | 0s30 | 19s 3 | 1n33 | 12n38 | 16n59 | 20s28 | 20s20 | 2n14 | 1s50 | 4n29 |

Julian Day Number = 2082229.5, Delta T = 25m19s
Ecliptic obliquity = 23°34'09, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'50, Lahiri = 9°45'51 Julian Calendar 1 Nov. 988 == Greg. Calendar 6 Nov. 988


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# ASTRODIENST EPHEMERIS for the year 988
# geocentric

## DECEMBER 988 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 5 0 56 | 14♐52'22 | 9♌30 | 18♐14 | 27♑19 | 27♍47 | 15♑35 | 4♑40 | 19♑35 | 1♐34 | 7♎22 | 0°R58 | 0♐19 | 12♍40 | 14♓58 | S 1 |
| S 2 | 5 4 53 | 15°53'32 | 21°36 | 19°49 | 28°29 | 28°18 | 15°49 | 4°47 | 19°38 | 1°37 | 7°23 | 0♐56 | 0°16 | 12°46 | 14°58 | S 2 |
| M 3 | 5 8 49 | 16°54'43 | 3♍33 | 21°25 | 29°40 | 28°49 | 16° 2 | 4°54 | 19°41 | 1°39 | 7°24 | 0°54 | 0°13 | 12°53 | 14°59 | M 3 |
| T 4 | 5 12 46 | 17°55'54 | 15°26 | 23° 2 | 0♒51 | 29°20 | 16°15 | 5° 1 | 19°44 | 1°41 | 7°25 | 0°D54 | 0° 9 | 13° 0 | 15° 0 | T 4 |
| W 5 | 5 16 43 | 18°57'06 | 27°19 | 24°38 | 2° 1 | 29°51 | 16°29 | 5° 8 | 19°48 | 1°43 | 7°26 | 0°54 | 0° 6 | 13° 7 | 15° 0 | W 5 |
| T 6 | 5 20 39 | 19°58'19 | 9♎16 | 26°15 | 3°11 | 0♎21 | 16°42 | 5°15 | 19°51 | 1°45 | 7°28 | 0°55 | 0° 3 | 13°13 | 15° 1 | T 6 |
| F 7 | 5 24 36 | 20°59'31 | 21°23 | 27°51 | 4°22 | 0°52 | 16°55 | 5°22 | 19°54 | 1°48 | 7°29 | 0°57 | 29♏59 | 13°20 | 15° 2 | F 7 |
| S 8 | 5 28 32 | 22° 0'45 | 3♏44 | 29°28 | 5°32 | 1°22 | 17° 9 | 5°29 | 19°57 | 1°50 | 7°30 | 0°58 | 29°57 | 13°27 | 15° 3 | S 8 |
| S 9 | 5 32 29 | 23° 1'58 | 16°22 | 1♑ 6 | 6°42 | 1°52 | 17°23 | 5°36 | 20° 0 | 1°52 | 7°30 | 1° 0 | 29°53 | 13°33 | 15° 4 | S 9 |
| M10 | 5 36 25 | 24° 3'12 | 29°21 | 2°43 | 7°52 | 2°22 | 17°36 | 5°43 | 20° 4 | 1°54 | 7°31 | 1°R 0 | 29°50 | 13°40 | 15° 5 | M10 |
| T 11 | 5 40 22 | 25° 4'26 | 12♐40 | 4°21 | 9° 1 | 2°52 | 17°50 | 5°50 | 20° 7 | 1°56 | 7°32 | 1° 0 | 29°47 | 13°47 | 15° 6 | T 11 |
| W12 | 5 44 18 | 26° 5'41 | 26°20 | 5°58 | 10°11 | 3°22 | 18° 3 | 5°57 | 20°10 | 1°58 | 7°33 | 0°58 | 29°44 | 13°54 | 15° 7 | W12 |
| T 13 | 5 48 15 | 27° 6'55 | 10♑17 | 7°36 | 11°21 | 3°51 | 18°17 | 6° 4 | 20°13 | 2° 0 | 7°34 | 0°55 | 29°41 | 14° 0 | 15° 9 | T 13 |
| F 14 | 5 52 12 | 28° 8'09 | 24°29 | 9°14 | 12°30 | 4°20 | 18°31 | 6°11 | 20°17 | 2° 2 | 7°35 | 0°51 | 29°38 | 14° 7 | 15°10 | F 14 |
| S 15 | 5 56 8 | 29° 9'23 | 8♒49 | 10°52 | 13°39 | 4°50 | 18°45 | 6°18 | 20°20 | 2° 5 | 7°36 | 0°47 | 29°34 | 14°14 | 15°11 | S 15 |
| S 16 | 6 0 5 | 0♑10'37 | 23°14 | 12°29 | 14°48 | 5°19 | 18°59 | 6°25 | 20°23 | 2° 7 | 7°36 | 0°43 | 29°31 | 14°20 | 15°13 | S 16 |
| M17 | 6 4 1 | 1°11'50 | 7♓36 | 14° 7 | 15°57 | 5°47 | 19°12 | 6°32 | 20°27 | 2° 9 | 7°37 | 0°39 | 29°28 | 14°27 | 15°14 | M17 |
| T 18 | 6 7 58 | 2°13'02 | 21°53 | 15°44 | 17° 6 | 6°16 | 19°26 | 6°39 | 20°30 | 2°11 | 7°38 | 0°38 | 29°25 | 14°34 | 15°15 | T 18 |
| W19 | 6 11 54 | 3°14'14 | 6♈ 2 | 17°20 | 18°14 | 6°45 | 19°40 | 6°46 | 20°34 | 2°13 | 7°38 | 0°D37 | 29°22 | 14°41 | 15°17 | W19 |
| T 20 | 6 15 51 | 4°15'25 | 20° 1 | 18°56 | 19°22 | 7°13 | 19°54 | 6°53 | 20°37 | 2°15 | 7°39 | 0°38 | 29°19 | 14°47 | 15°19 | T 20 |
| F 21 | 6 19 47 | 5°16'36 | 3♉49 | 20°31 | 20°31 | 7°41 | 20° 8 | 7° 0 | 20°40 | 2°17 | 7°39 | 0°40 | 29°15 | 14°54 | 15°20 | F 21 |
| S 22 | 6 23 44 | 6°17'46 | 17°27 | 22° 4 | 21°39 | 8° 9 | 20°22 | 7° 7 | 20°44 | 2°19 | 7°40 | 0°41 | 29°12 | 15° 1 | 15°22 | S 22 |
| S 23 | 6 27 41 | 7°18'56 | 0♊53 | 23°36 | 22°46 | 8°37 | 20°36 | 7°15 | 20°47 | 2°21 | 7°40 | 0°R42 | 29° 9 | 15° 8 | 15°24 | S 23 |
| M24 | 6 31 37 | 8°20'05 | 14° 9 | 25° 7 | 23°54 | 9° 4 | 20°50 | 7°22 | 20°51 | 2°23 | 7°41 | 0°41 | 29° 6 | 15°14 | 15°25 | M24 |
| T 25 | 6 35 34 | 9°21'13 | 27°12 | 26°35 | 25° 1 | 9°31 | 21° 4 | 7°29 | 20°54 | 2°24 | 7°41 | 0°38 | 29° 3 | 15°21 | 15°27 | T 25 |
| W26 | 6 39 30 | 10°22'21 | 10♋ 4 | 28° 0 | 26° 8 | 9°59 | 21°19 | 7°36 | 20°58 | 2°26 | 7°41 | 0°33 | 29° 0 | 15°28 | 15°29 | W26 |
| T 27 | 6 43 27 | 11°23'28 | 22°43 | 29°23 | 27°15 | 10°25 | 21°33 | 7°43 | 21° 1 | 2°28 | 7°42 | 0°26 | 28°56 | 15°34 | 15°31 | T 27 |
| F 28 | 6 47 23 | 12°24'34 | 5♌10 | 0♒41 | 28°22 | 10°52 | 21°47 | 7°50 | 21° 5 | 2°30 | 7°42 | 0°19 | 28°53 | 15°41 | 15°33 | F 28 |
| S 29 | 6 51 20 | 13°25'40 | 17°25 | 1°56 | 29°28 | 11°19 | 22° 1 | 7°57 | 21° 8 | 2°32 | 7°42 | 0°10 | 28°50 | 15°48 | 15°35 | S 29 |
| S 30 | 6 55 17 | 14°26'46 | 29°30 | 3° 5 | 0♓34 | 11°45 | 22°15 | 8° 4 | 21°12 | 2°34 | 7°42 | 0° 2 | 28°47 | 15°55 | 15°37 | S 30 |
| M31 | 6 59 13 | 15♑27'51 | 11♍26 | 4♒ 8 | 1♓40 | 12♎11 | 22♑29 | 8♑11 | 21♑15 | 2♐36 | 7♎43 | 29♏55 | 28♏44 | 16♍ 1 | 15♓39 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s42 | 13n15 | 4s54 | 24s43 | 1s41 | 22s56 | 2s10 | 2n39 | 1n55 | 23s 4 | 0s25 | 23s 9 | 0n20 | 22s37 | 0s30 | 19s 4 | 1n33 | 12n38 | 16n59 | 20s28 | 20s20 | 2n12 | 1s50 | 4n28 |
| S 2 | 22 49 | 9 28 | 5 12 | 24 55 | 1 45 | 22 41 | 2 9 | 2 27 | 1 56 | 23 3 | 0 25 | 23 9 | 0 20 | 22 37 | 0 30 | 19 4 | 1 33 | 12 38 | 17 0 | 20 27 | 20 19 | 2 10 | 1 50 | 4 28 |
| M 3 | 22 55 | 5 21 | 5 16 | 25 6 | 1 49 | 22 25 | 2 8 | 2 15 | 1 56 | 23 1 | 0 25 | 23 9 | 0 20 | 22 36 | 0 30 | 19 5 | 1 33 | 12 38 | 17 0 | 20 27 | 20 18 | 2 7 | 1 50 | 4 28 |
| T 4 | 23 1 | 1 4 | 5 6 | 25 15 | 1 52 | 22 8 | 2 7 | 2 3 | 1 57 | 23 0 | 0 25 | 23 9 | 0 20 | 22 36 | 0 30 | 19 5 | 1 33 | 12 38 | 17 1 | 20 27 | 20 18 | 2 5 | 1 50 | 4 28 |
| W 5 | 23 6 | 3s15 | 4 43 | 25 23 | 1 56 | 21 51 | 2 6 | 1 51 | 1 57 | 22 58 | 0 26 | 23 9 | 0 20 | 22 36 | 0 30 | 19 6 | 1 33 | 12 38 | 17 1 | 20 27 | 20 17 | 2 2 | 1 50 | 4 27 |
| T 6 | 23 11 | 7 29 | 4 8 | 25 29 | 1 58 | 21 34 | 2 4 | 1 40 | 1 58 | 22 57 | 0 26 | 23 8 | 0 20 | 22 35 | 0 30 | 19 6 | 1 33 | 12 39 | 17 2 | 20 27 | 20 16 | 2 0 | 1 50 | 4 27 |
| F 7 | 23 16 | 11 29 | 3 21 | 25 34 | 2 1 | 21 15 | 2 3 | 1 28 | 1 59 | 22 55 | 0 26 | 23 8 | 0 19 | 22 35 | 0 30 | 19 6 | 1 33 | 12 39 | 17 3 | 20 27 | 20 16 | 1 58 | 1 50 | 4 27 |
| S 8 | 23 20 | 15 6 | 2 25 | 25 37 | 2 3 | 20 57 | 2 1 | 1 16 | 1 59 | 22 53 | 0 26 | 23 8 | 0 19 | 22 34 | 0 30 | 19 7 | 1 33 | 12 39 | 17 3 | 20 28 | 20 15 | 1 55 | 1 50 | 4 26 |
| S 9 | 23 23 | 18 6 | 1 20 | 25 39 | 2 5 | 20 37 | 1 59 | 1 5 | 2 0 | 22 52 | 0 26 | 23 8 | 0 19 | 22 34 | 0 30 | 19 7 | 1 33 | 12 39 | 17 4 | 20 28 | 20 14 | 1 53 | 1 49 | 4 26 |
| M10 | 23 26 | 20 16 | 0 9 | 25 39 | 2 7 | 20 17 | 1 57 | 0 53 | 2 0 | 22 50 | 0 26 | 23 8 | 0 19 | 22 33 | 0 30 | 19 8 | 1 33 | 12 39 | 17 4 | 20 28 | 20 14 | 1 51 | 1 49 | 4 26 |
| T 11 | 23 29 | 21 23 | 1n 4 | 25 37 | 2 8 | 19 57 | 1 55 | 0 42 | 2 1 | 22 48 | 0 26 | 23 7 | 0 19 | 22 33 | 0 30 | 19 8 | 1 33 | 12 39 | 17 5 | 20 28 | 20 13 | 1 48 | 1 49 | 4 26 |
| W12 | 23 31 | 21 16 | 2 15 | 25 34 | 2 8 | 19 36 | 1 53 | 0 31 | 2 1 | 22 46 | 0 26 | 23 7 | 0 19 | 22 32 | 0 30 | 19 8 | 1 34 | 12 39 | 17 5 | 20 28 | 20 12 | 1 46 | 1 49 | 4 25 |
| T 13 | 23 32 | 19 52 | 3 19 | 25 29 | 2 9 | 19 15 | 1 51 | 0 19 | 2 2 | 22 45 | 0 26 | 23 7 | 0 19 | 22 32 | 0 30 | 19 9 | 1 34 | 12 40 | 17 6 | 20 27 | 20 11 | 1 43 | 1 49 | 4 25 |
| F 14 | 23 33 | 17 12 | 4 12 | 25 23 | 2 8 | 18 53 | 1 48 | 0 8 | 2 2 | 22 43 | 0 26 | 23 7 | 0 19 | 22 31 | 0 30 | 19 9 | 1 34 | 12 40 | 17 7 | 20 26 | 20 11 | 1 41 | 1 49 | 4 25 |
| S 15 | 23 34 | 13 29 | 4 50 | 25 14 | 2 8 | 18 30 | 1 46 | 0s 3 | 2 3 | 22 41 | 0 26 | 23 6 | 0 19 | 22 31 | 0 30 | 19 10 | 1 34 | 12 40 | 17 7 | 20 25 | 20 10 | 1 39 | 1 48 | 4 24 |
| S 16 | 23 34 | 8 58 | 5 10 | 25 4 | 2 6 | 18 8 | 1 43 | 0 14 | 2 4 | 22 39 | 0 26 | 23 6 | 0 19 | 22 30 | 0 30 | 19 10 | 1 34 | 12 40 | 17 8 | 20 25 | 20 9 | 1 36 | 1 48 | 4 24 |
| M17 | 23 34 | 3 58 | 5 10 | 24 53 | 2 4 | 17 45 | 1 41 | 0 25 | 2 4 | 22 37 | 0 26 | 23 6 | 0 19 | 22 30 | 0 30 | 19 10 | 1 34 | 12 41 | 17 8 | 20 24 | 20 9 | 1 34 | 1 48 | 4 24 |
| T 18 | 23 33 | 1n14 | 4 52 | 24 39 | 2 2 | 17 21 | 1 38 | 0 36 | 2 5 | 22 35 | 0 26 | 23 5 | 0 19 | 22 29 | 0 30 | 19 11 | 1 34 | 12 41 | 17 9 | 20 24 | 20 8 | 1 32 | 1 47 | 4 24 |
| W19 | 23 32 | 6 18 | 4 15 | 24 24 | 1 59 | 16 57 | 1 35 | 0 47 | 2 5 | 22 33 | 0 27 | 23 5 | 0 19 | 22 29 | 0 30 | 19 11 | 1 34 | 12 41 | 17 9 | 20 23 | 20 7 | 1 29 | 1 47 | 4 23 |
| T 20 | 23 30 | 11 0 | 3 24 | 24 7 | 1 55 | 16 33 | 1 32 | 0 57 | 2 6 | 22 31 | 0 27 | 23 5 | 0 18 | 22 28 | 0 30 | 19 12 | 1 34 | 12 42 | 17 10 | 20 24 | 20 7 | 1 27 | 1 47 | 4 23 |
| F 21 | 23 28 | 15 4 | 2 21 | 23 49 | 1 51 | 16 8 | 1 29 | 1 8 | 2 6 | 22 29 | 0 27 | 23 5 | 0 18 | 22 28 | 0 30 | 19 12 | 1 34 | 12 42 | 17 11 | 20 24 | 20 6 | 1 25 | 1 46 | 4 23 |
| S 22 | 23 25 | 18 16 | 1 12 | 23 29 | 1 46 | 15 43 | 1 25 | 1 18 | 2 7 | 22 27 | 0 27 | 23 4 | 0 18 | 22 27 | 0 30 | 19 12 | 1 34 | 12 42 | 17 11 | 20 24 | 20 5 | 1 22 | 1 46 | 4 22 |
| S 23 | 23 22 | 20 26 | 0s 1 | 23 8 | 1 40 | 15 17 | 1 22 | 1 29 | 2 7 | 22 25 | 0 27 | 23 4 | 0 18 | 22 27 | 0 30 | 19 13 | 1 34 | 12 43 | 17 12 | 20 24 | 20 5 | 1 20 | 1 46 | 4 22 |
| M24 | 23 18 | 21 25 | 1 13 | 22 45 | 1 33 | 14 51 | 1 18 | 1 39 | 2 8 | 22 23 | 0 27 | 23 4 | 0 18 | 22 26 | 0 30 | 19 13 | 1 34 | 12 43 | 17 12 | 20 24 | 20 4 | 1 17 | 1 45 | 4 22 |
| T 25 | 23 14 | 21 13 | 2 19 | 22 21 | 1 25 | 14 25 | 1 15 | 1 49 | 2 9 | 22 21 | 0 27 | 23 3 | 0 18 | 22 25 | 0 30 | 19 13 | 1 34 | 12 43 | 17 13 | 20 24 | 20 3 | 1 15 | 1 45 | 4 22 |
| W26 | 23 10 | 19 54 | 3 17 | 21 55 | 1 17 | 13 59 | 1 11 | 2 0 | 2 9 | 22 19 | 0 27 | 23 3 | 0 18 | 22 25 | 0 30 | 19 14 | 1 34 | 12 44 | 17 14 | 20 23 | 20 3 | 1 13 | 1 44 | 4 21 |
| T 27 | 23 5 | 17 37 | 4 5 | 21 29 | 1 7 | 13 32 | 1 7 | 2 10 | 2 10 | 22 17 | 0 27 | 23 3 | 0 18 | 22 24 | 0 30 | 19 14 | 1 34 | 12 44 | 17 14 | 20 21 | 20 2 | 1 10 | 1 44 | 4 21 |
| F 28 | 22 59 | 14 34 | 4 39 | 21 2 | 0 57 | 13 5 | 1 3 | 2 20 | 2 10 | 22 15 | 0 27 | 23 2 | 0 18 | 22 24 | 0 30 | 19 14 | 1 34 | 12 45 | 17 15 | 20 20 | 20 1 | 1 8 | 1 43 | 4 21 |
| S 29 | 22 53 | 10 55 | 5 1 | 20 35 | 0 45 | 12 38 | 0 59 | 2 30 | 2 11 | 22 12 | 0 27 | 23 2 | 0 18 | 22 23 | 0 30 | 19 15 | 1 34 | 12 45 | 17 15 | 20 18 | 20 0 | 1 6 | 1 43 | 4 21 |
| S 30 | 22 47 | 6 54 | 5 8 | 20 7 | 0 33 | 12 11 | 0 54 | 2 39 | 2 11 | 22 10 | 0 27 | 23 2 | 0 18 | 22 23 | 0 30 | 19 15 | 1 34 | 12 45 | 17 16 | 20 16 | 20 0 | 1 3 | 1 42 | 4 20 |
| M31 | 22s40 | 2n39 | 5s 2 | 19s39 | 0s20 | 11s43 | 0s50 | 2s49 | 2n12 | 22s 8 | 0s28 | 23s 1 | 0n18 | 22s22 | 0s30 | 19s15 | 1n34 | 12n46 | 17n16 | 20s15 | 19s59 | 1n 1 | 1s42 | 4n20 |

Julian Day Number = 2082259.5, Delta T = 25m18s
Ecliptic obliquity = 23°34'08, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'54, Lahiri = 9°45'55 Julian Calendar 1 Dec. 988 == Greg. Calendar 6 Dec. 988


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## JANUARY 989 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 3 10 | 16♑28'55 | 23♍18 | 5♒ 4 | 2♓46 | 12♎37 | 22♑44 | 8♑18 | 21♑19 | 2♐37 | 7♎43 | 29°R50 | 28♏40 | 16♍ 8 | 15♓41 | T 1 |
| W 2 | 7 7 6 | 17°29'59 | 5♎ 9 | 5°53 | 3°51 | 13° 2 | 22°58 | 8°25 | 21°22 | 2°39 | 7°43 | 29♏47 | 28°37 | 16°15 | 15°43 | W 2 |
| T 3 | 7 11 3 | 18°31'02 | 17° 4 | 6°34 | 4°56 | 13°28 | 23°12 | 8°32 | 21°26 | 2°41 | 7°43 | 29°D46 | 28°34 | 16°21 | 15°45 | T 3 |
| F 4 | 7 14 59 | 19°32'05 | 29° 8 | 7° 5 | 6° 1 | 13°53 | 23°26 | 8°39 | 21°29 | 2°42 | 7°R43 | 29°47 | 28°31 | 16°28 | 15°48 | F 4 |
| S 5 | 7 18 56 | 20°33'07 | 11♏27 | 7°26 | 7° 6 | 14°17 | 23°41 | 8°46 | 21°33 | 2°44 | 7°43 | 29°48 | 28°28 | 16°35 | 15°50 | S 5 |
| S 6 | 7 22 52 | 21°34'08 | 24° 4 | 7°R36 | 8°10 | 14°42 | 23°55 | 8°53 | 21°36 | 2°46 | 7°43 | 29°R49 | 28°25 | 16°42 | 15°52 | S 6 |
| M 7 | 7 26 49 | 22°35'09 | 7♐ 5 | 7°36 | 9°14 | 15° 6 | 24° 9 | 9° 0 | 21°40 | 2°47 | 7°43 | 29°49 | 28°21 | 16°48 | 15°55 | M 7 |
| T 8 | 7 30 46 | 23°36'09 | 20°31 | 7°24 | 10°17 | 15°30 | 24°23 | 9° 7 | 21°43 | 2°49 | 7°43 | 29°47 | 28°18 | 16°55 | 15°57 | T 8 |
| W 9 | 7 34 42 | 24°37'09 | 4♑25 | 7° 1 | 11°21 | 15°54 | 24°38 | 9°14 | 21°47 | 2°51 | 7°43 | 29°42 | 28°15 | 17° 2 | 16° 0 | W 9 |
| T 10 | 7 38 39 | 25°38'07 | 18°42 | 6°26 | 12°24 | 16°17 | 24°52 | 9°21 | 21°50 | 2°52 | 7°42 | 29°35 | 28°12 | 17° 8 | 16° 2 | T 10 |
| F 11 | 7 42 35 | 26°39'04 | 3♒20 | 5°42 | 13°26 | 16°40 | 25° 6 | 9°28 | 21°54 | 2°54 | 7°42 | 29°27 | 28° 9 | 17°15 | 16° 5 | F 11 |
| S 12 | 7 46 32 | 27°40'00 | 18° 9 | 4°49 | 14°28 | 17° 3 | 25°20 | 9°35 | 21°57 | 2°55 | 7°42 | 29°17 | 28° 5 | 17°22 | 16° 7 | S 12 |
| S 13 | 7 50 28 | 28°40'55 | 3♓ 2 | 3°48 | 15°30 | 17°26 | 25°35 | 9°42 | 22° 1 | 2°57 | 7°42 | 29° 8 | 28° 2 | 17°29 | 16°10 | S 13 |
| M14 | 7 54 25 | 29°41'48 | 17°50 | 2°41 | 16°32 | 17°48 | 25°49 | 9°49 | 22° 4 | 2°58 | 7°41 | 29° 0 | 27°59 | 17°35 | 16°13 | M14 |
| T 15 | 7 58 21 | 0♈42'39 | 2♈25 | 1°30 | 17°33 | 18°10 | 26° 3 | 9°56 | 22° 8 | 3° 0 | 7°41 | 28°54 | 27°56 | 17°42 | 16°15 | T 15 |
| W16 | 8 2 18 | 1°43'30 | 16°44 | 0°18 | 18°33 | 18°31 | 26°17 | 10° 2 | 22°11 | 3° 1 | 7°40 | 28°51 | 27°53 | 17°49 | 16°18 | W16 |
| T 17 | 8 6 15 | 2°44'18 | 0♉44 | 29♑ 5 | 19°33 | 18°53 | 26°32 | 10° 9 | 22°15 | 3° 2 | 7°40 | 28°D50 | 27°50 | 17°55 | 16°21 | T 17 |
| F 18 | 8 10 11 | 3°45'05 | 14°24 | 27°55 | 20°33 | 19°13 | 26°46 | 10°16 | 22°18 | 3° 4 | 7°40 | 28°50 | 27°46 | 18° 2 | 16°23 | F 18 |
| S 19 | 8 14 8 | 4°45'51 | 27°47 | 26°49 | 21°32 | 19°34 | 27° 0 | 10°23 | 22°22 | 3° 5 | 7°39 | 28°R51 | 27°43 | 18° 9 | 16°26 | S 19 |
| S 20 | 8 18 4 | 5°46'34 | 10♊54 | 25°48 | 22°31 | 19°54 | 27°14 | 10°29 | 22°25 | 3° 6 | 7°39 | 28°50 | 27°40 | 18°16 | 16°29 | S 20 |
| M21 | 8 22 1 | 6°47'17 | 23°49 | 24°53 | 23°29 | 20°14 | 27°28 | 10°36 | 22°29 | 3° 8 | 7°38 | 28°47 | 27°37 | 18°22 | 16°32 | M21 |
| T 22 | 8 25 57 | 7°47'57 | 6♋31 | 24° 6 | 24°27 | 20°33 | 27°43 | 10°43 | 22°32 | 3° 9 | 7°37 | 28°42 | 27°34 | 18°29 | 16°35 | T 22 |
| W23 | 8 29 54 | 8°48'36 | 19° 4 | 23°26 | 25°24 | 20°52 | 27°57 | 10°49 | 22°36 | 3°10 | 7°37 | 28°33 | 27°31 | 18°36 | 16°38 | W23 |
| T 24 | 8 33 50 | 9°49'13 | 1♌27 | 22°54 | 26°21 | 21°11 | 28°11 | 10°56 | 22°39 | 3°11 | 7°36 | 28°22 | 27°27 | 18°42 | 16°41 | T 24 |
| F 25 | 8 37 47 | 10°49'49 | 13°42 | 22°30 | 27°17 | 21°29 | 28°25 | 11° 2 | 22°42 | 3°12 | 7°35 | 28° 9 | 27°24 | 18°49 | 16°44 | F 25 |
| S 26 | 8 41 44 | 11°50'23 | 25°48 | 22°14 | 28°12 | 21°47 | 28°39 | 11° 9 | 22°46 | 3°13 | 7°35 | 27°55 | 27°21 | 18°56 | 16°47 | S 26 |
| S 27 | 8 45 40 | 12°50'56 | 7♍48 | 22° 5 | 29° 7 | 22° 5 | 28°53 | 11°15 | 22°49 | 3°14 | 7°34 | 27°42 | 27°18 | 19° 3 | 16°50 | S 27 |
| M28 | 8 49 37 | 13°51'27 | 19°42 | 22°D 4 | 0♈ 1 | 22°22 | 29° 7 | 11°21 | 22°52 | 3°16 | 7°33 | 27°30 | 27°15 | 19° 9 | 16°53 | M28 |
| T 29 | 8 53 33 | 14°51'56 | 1♎33 | 22° 9 | 0°54 | 22°38 | 29°21 | 11°28 | 22°56 | 3°17 | 7°32 | 27°20 | 27°11 | 19°16 | 16°56 | T 29 |
| W30 | 8 57 30 | 15°52'24 | 13°23 | 22°21 | 1°47 | 22°54 | 29°35 | 11°34 | 22°59 | 3°18 | 7°31 | 27°13 | 27° 8 | 19°23 | 16°59 | W30 |
| T 31 | 9 1 26 | 16♒52'51 | 25♎17 | 22♑39 | 2♈39 | 23♎10 | 29♑49 | 11♑40 | 23♑ 2 | 3♐18 | 7♎31 | 27♏ 8 | 27♏ 5 | 19♍29 | 17♓ 2 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s33 | 1s39 | 4s43 | 19s11 | 0s 5 | 11s15 | 0s45 | 2s59 | 2n13 | 22s 6 | 0s28 | 23s 1 | 0n18 | 22s22 | 0s30 | 19s16 | 1n34 | 12n46 | 17n17 | 20s14 | 19s58 | 0n59 | 1s41 | 4n20 |
| W 2 | 22 25 | 5 54 | 4 12 | 18 45 | 0n10 | 10 47 | 0 41 | 3 8 | 2 13 | 22 3 | 0 28 | 23 0 | 0 18 | 22 21 | 0 30 | 19 16 | 1 34 | 12 47 | 17 18 | 20 13 | 19 58 | 0 56 | 1 40 | 4 20 |
| T 3 | 22 17 | 9 58 | 3 30 | 18 19 | 0 26 | 10 19 | 0 36 | 3 17 | 2 14 | 22 1 | 0 28 | 23 0 | 0 17 | 22 21 | 0 30 | 19 16 | 1 34 | 12 47 | 17 18 | 20 13 | 19 57 | 0 54 | 1 40 | 4 19 |
| F 4 | 22 8 | 13 41 | 2 38 | 17 55 | 0 43 | 9 50 | 0 31 | 3 27 | 2 14 | 21 59 | 0 28 | 23 0 | 0 17 | 22 20 | 0 30 | 19 17 | 1 34 | 12 48 | 17 19 | 20 13 | 19 56 | 0 52 | 1 39 | 4 19 |
| S 5 | 21 59 | 16 53 | 1 37 | 17 33 | 1 0 | 9 21 | 0 26 | 3 36 | 2 15 | 21 56 | 0 28 | 22 59 | 0 17 | 22 19 | 0 30 | 19 17 | 1 34 | 12 48 | 17 19 | 20 13 | 19 55 | 0 49 | 1 38 | 4 19 |
| S 6 | 21 50 | 19 23 | 0 31 | 17 13 | 1 18 | 8 53 | 0 21 | 3 45 | 2 15 | 21 54 | 0 28 | 22 59 | 0 17 | 22 19 | 0 30 | 19 17 | 1 34 | 12 49 | 17 20 | 20 13 | 19 55 | 0 47 | 1 38 | 4 19 |
| M 7 | 21 40 | 20 58 | 0n39 | 16 55 | 1 36 | 8 24 | 0 16 | 3 53 | 2 16 | 21 52 | 0 28 | 22 59 | 0 17 | 22 18 | 0 30 | 19 17 | 1 34 | 12 50 | 17 21 | 20 13 | 19 54 | 0 44 | 1 37 | 4 18 |
| T 8 | 21 30 | 21 25 | 1 49 | 16 41 | 1 54 | 7 55 | 0 10 | 4 2 | 2 17 | 21 49 | 0 28 | 22 58 | 0 17 | 22 18 | 0 30 | 19 18 | 1 34 | 12 50 | 17 21 | 20 13 | 19 53 | 0 42 | 1 36 | 4 18 |
| W 9 | 21 19 | 20 35 | 2 54 | 16 30 | 2 12 | 7 25 | 0 5 | 4 11 | 2 17 | 21 47 | 0 28 | 22 58 | 0 17 | 22 17 | 0 30 | 19 18 | 1 34 | 12 51 | 17 22 | 20 12 | 19 53 | 0 40 | 1 35 | 4 18 |
| T 10 | 21 8 | 18 27 | 3 51 | 16 22 | 2 29 | 6 56 | 0n 1 | 4 19 | 2 18 | 21 44 | 0 28 | 22 57 | 0 17 | 22 17 | 0 30 | 19 18 | 1 34 | 12 51 | 17 22 | 20 10 | 19 52 | 0 37 | 1 35 | 4 18 |
| F 11 | 20 56 | 15 5 | 4 34 | 16 17 | 2 45 | 6 27 | 0 6 | 4 28 | 2 18 | 21 42 | 0 29 | 22 57 | 0 17 | 22 16 | 0 30 | 19 19 | 1 34 | 12 52 | 17 23 | 20 8 | 19 51 | 0 35 | 1 34 | 4 18 |
| S 12 | 20 44 | 10 44 | 4 59 | 16 16 | 2 59 | 5 57 | 0 12 | 4 36 | 2 19 | 21 39 | 0 29 | 22 56 | 0 17 | 22 16 | 0 30 | 19 19 | 1 34 | 12 53 | 17 23 | 20 6 | 19 51 | 0 33 | 1 33 | 4 17 |
| S 13 | 20 32 | 5 44 | 5 4 | 16 18 | 3 12 | 5 28 | 0 18 | 4 44 | 2 19 | 21 37 | 0 29 | 22 56 | 0 17 | 22 15 | 0 30 | 19 19 | 1 34 | 12 53 | 17 24 | 20 4 | 19 50 | 0 30 | 1 32 | 4 17 |
| M14 | 20 19 | 0 25 | 4 48 | 16 23 | 3 23 | 4 58 | 0 24 | 4 52 | 2 20 | 21 34 | 0 29 | 22 56 | 0 17 | 22 14 | 0 30 | 19 19 | 1 34 | 12 54 | 17 25 | 20 3 | 19 49 | 0 28 | 1 31 | 4 17 |
| T 15 | 20 6 | 4n51 | 4 14 | 16 30 | 3 31 | 4 29 | 0 30 | 5 0 | 2 20 | 21 32 | 0 29 | 22 55 | 0 17 | 22 14 | 0 30 | 19 20 | 1 34 | 12 54 | 17 25 | 20 1 | 19 48 | 0 26 | 1 31 | 4 17 |
| W16 | 19 53 | 9 45 | 3 25 | 16 39 | 3 37 | 3 59 | 0 37 | 5 7 | 2 21 | 21 29 | 0 29 | 22 55 | 0 17 | 22 13 | 0 30 | 19 20 | 1 35 | 12 55 | 17 26 | 20 1 | 19 48 | 0 23 | 1 30 | 4 17 |
| T 17 | 19 39 | 14 2 | 2 24 | 16 51 | 3 41 | 3 30 | 0 43 | 5 15 | 2 22 | 21 26 | 0 29 | 22 54 | 0 17 | 22 13 | 0 30 | 19 20 | 1 35 | 12 56 | 17 26 | 20 0 | 19 47 | 0 21 | 1 29 | 4 16 |
| F 18 | 19 25 | 17 28 | 1 16 | 17 3 | 3 43 | 3 0 | 0 49 | 5 22 | 2 22 | 21 24 | 0 29 | 22 54 | 0 16 | 22 12 | 0 30 | 19 20 | 1 35 | 12 56 | 17 27 | 20 0 | 19 46 | 0 19 | 1 28 | 4 16 |
| S 19 | 19 11 | 19 52 | 0 6 | 17 17 | 3 42 | 2 31 | 0 56 | 5 30 | 2 23 | 21 21 | 0 29 | 22 53 | 0 16 | 22 12 | 0 30 | 19 20 | 1 35 | 12 57 | 17 27 | 20 1 | 19 46 | 0 16 | 1 27 | 4 16 |
| S 20 | 18 56 | 21 9 | 1s 4 | 17 31 | 3 38 | 2 2 | 1 3 | 5 37 | 2 23 | 21 18 | 0 29 | 22 53 | 0 16 | 22 11 | 0 30 | 19 21 | 1 35 | 12 58 | 17 28 | 20 0 | 19 45 | 0 14 | 1 26 | 4 16 |
| M21 | 18 41 | 21 17 | 2 9 | 17 46 | 3 33 | 1 32 | 1 9 | 5 44 | 2 24 | 21 16 | 0 30 | 22 52 | 0 16 | 22 11 | 0 30 | 19 21 | 1 35 | 12 59 | 17 28 | 20 0 | 19 44 | 0 12 | 1 25 | 4 16 |
| T 22 | 18 25 | 20 19 | 3 6 | 18 1 | 3 27 | 1 3 | 1 16 | 5 51 | 2 24 | 21 13 | 0 30 | 22 52 | 0 16 | 22 10 | 0 30 | 19 21 | 1 35 | 12 59 | 17 29 | 19 59 | 19 43 | 0 9 | 1 24 | 4 15 |
| W23 | 18 9 | 18 21 | 3 53 | 18 16 | 3 19 | 0 34 | 1 23 | 5 57 | 2 25 | 21 10 | 0 30 | 22 51 | 0 16 | 22 9 | 0 30 | 19 21 | 1 35 | 13 0 | 17 29 | 19 57 | 19 43 | 0 7 | 1 23 | 4 15 |
| T 24 | 17 53 | 15 35 | 4 29 | 18 30 | 3 9 | 0 5 | 1 30 | 6 4 | 2 25 | 21 7 | 0 30 | 22 51 | 0 16 | 22 9 | 0 30 | 19 21 | 1 35 | 13 1 | 17 30 | 19 54 | 19 42 | 0 5 | 1 22 | 4 15 |
| F 25 | 17 37 | 12 9 | 4 51 | 18 44 | 2 59 | 0n24 | 1 37 | 6 10 | 2 26 | 21 5 | 0 30 | 22 50 | 0 16 | 22 8 | 0 30 | 19 22 | 1 35 | 13 1 | 17 30 | 19 51 | 19 41 | 0 2 | 1 21 | 4 15 |
| S 26 | 17 20 | 8 16 | 5 0 | 18 58 | 2 48 | 0 53 | 1 45 | 6 16 | 2 26 | 21 2 | 0 30 | 22 50 | 0 16 | 22 8 | 0 30 | 19 22 | 1 35 | 13 2 | 17 31 | 19 48 | 19 40 | 0 0 | 1 20 | 4 15 |
| S 27 | 17 3 | 4 7 | 4 56 | 19 10 | 2 37 | 1 21 | 1 52 | 6 22 | 2 27 | 20 59 | 0 30 | 22 49 | 0 16 | 22 7 | 0 30 | 19 22 | 1 35 | 13 3 | 17 31 | 19 45 | 19 40 | 0s 2 | 1 19 | 4 14 |
| M28 | 16 45 | 0s10 | 4 39 | 19 22 | 2 25 | 1 50 | 2 0 | 6 28 | 2 27 | 20 56 | 0 30 | 22 49 | 0 16 | 22 7 | 0 30 | 19 22 | 1 35 | 13 4 | 17 32 | 19 42 | 19 39 | 0 5 | 1 18 | 4 14 |
| T 29 | 16 28 | 4 26 | 4 9 | 19 34 | 2 12 | 2 18 | 2 7 | 6 34 | 2 28 | 20 53 | 0 30 | 22 49 | 0 16 | 22 6 | 0 30 | 19 22 | 1 35 | 13 5 | 17 32 | 19 40 | 19 38 | 0 7 | 1 17 | 4 14 |
| W30 | 16 10 | 8 31 | 3 29 | 19 44 | 2 0 | 2 46 | 2 15 | 6 39 | 2 28 | 20 51 | 0 30 | 22 48 | 0 16 | 22 6 | 0 30 | 19 22 | 1 35 | 13 5 | 17 33 | 19 39 | 19 38 | 0 9 | 1 16 | 4 14 |
| T 31 | 15s52 | 12s18 | 2s40 | 19s53 | 1n48 | 3n14 | 2n22 | 6s45 | 2n29 | 20s48 | 0s31 | 22s48 | 0n16 | 22s 5 | 0s30 | 19s22 | 1n35 | 13n 6 | 17n33 | 19s38 | 19s37 | 0s12 | 1s15 | 4n14 |

Julian Day Number = 2082290.5, Delta T = 25m18s
Ecliptic obliquity = 23°34'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°38'59, Lahiri = 9°45'59 Julian Calendar 1 Jan. 989 == Greg. Calendar 6 Jan. 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## FEBRUARY 989 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 5 23 | 17♒53'16 | 7♏18 | 23♑ 3 | 3♈30 | 23♎25 | 0♒ 3 | 11♑46 | 23♑ 6 | 3♐19 | 7°R30 | 27°R 7 | 27♏ 2 | 19♍36 | 17♓ 6 | F 1 |
| S 2 | 9 9 19 | 18°53'40 | 19°32 | 23°32 | 4°21 | 23°40 | 0°17 | 11°53 | 23° 9 | 3°20 | 7♎29 | 27♏ 6 | 26°59 | 19°43 | 17° 9 | S 2 |
| S 3 | 9 13 16 | 19°54'03 | 2♐ 5 | 24° 5 | 5°10 | 23°54 | 0°31 | 11°59 | 23°12 | 3°21 | 7°28 | 27° 6 | 26°56 | 19°50 | 17°12 | S 3 |
| M 4 | 9 17 13 | 20°54'24 | 15° 1 | 24°43 | 5°59 | 24° 8 | 0°45 | 12° 5 | 23°15 | 3°22 | 7°27 | 27° 5 | 26°52 | 19°56 | 17°15 | M 4 |
| T 5 | 9 21 9 | 21°54'43 | 28°24 | 25°26 | 6°47 | 24°21 | 0°59 | 12°11 | 23°19 | 3°23 | 7°26 | 27° 3 | 26°49 | 20° 3 | 17°19 | T 5 |
| W 6 | 9 25 6 | 22°55'01 | 12♑17 | 26°12 | 7°34 | 24°34 | 1°12 | 12°17 | 23°22 | 3°24 | 7°25 | 26°57 | 26°46 | 20°10 | 17°22 | W 6 |
| T 7 | 9 29 2 | 23°55'18 | 26°40 | 27° 2 | 8°21 | 24°46 | 1°26 | 12°23 | 23°25 | 3°24 | 7°24 | 26°49 | 26°43 | 20°16 | 17°25 | T 7 |
| F 8 | 9 32 59 | 24°55'32 | 11♒28 | 27°54 | 9° 6 | 24°58 | 1°40 | 12°29 | 23°28 | 3°25 | 7°23 | 26°38 | 26°40 | 20°23 | 17°29 | F 8 |
| S 9 | 9 36 55 | 25°55'45 | 26°34 | 28°50 | 9°50 | 25° 9 | 1°54 | 12°34 | 23°31 | 3°26 | 7°21 | 26°27 | 26°37 | 20°30 | 17°32 | S 9 |
| S 10 | 9 40 52 | 26°55'56 | 11♓48 | 29°49 | 10°33 | 25°19 | 2° 7 | 12°40 | 23°34 | 3°26 | 7°20 | 26°15 | 26°33 | 20°37 | 17°35 | S 10 |
| M11 | 9 44 48 | 27°56'05 | 26°58 | 0♒51 | 11°15 | 25°29 | 2°21 | 12°46 | 23°37 | 3°27 | 7°19 | 26° 5 | 26°30 | 20°43 | 17°39 | M11 |
| T 12 | 9 48 45 | 28°56'12 | 11♈55 | 1°55 | 11°56 | 25°39 | 2°34 | 12°52 | 23°40 | 3°27 | 7°18 | 25°58 | 26°27 | 20°50 | 17°42 | T 12 |
| W13 | 9 52 42 | 29°56'17 | 26°31 | 3° 1 | 12°36 | 25°47 | 2°48 | 12°57 | 23°43 | 3°28 | 7°17 | 25°53 | 26°24 | 20°57 | 17°46 | W13 |
| T 14 | 9 56 38 | 0♓56'19 | 10♉43 | 4°10 | 13°15 | 25°55 | 3° 1 | 13° 3 | 23°46 | 3°28 | 7°15 | 25°51 | 26°21 | 21° 3 | 17°49 | T 14 |
| F 15 | 10 0 35 | 1°56'20 | 24°29 | 5°20 | 13°52 | 26° 3 | 3°15 | 13° 8 | 23°49 | 3°29 | 7°14 | 25°50 | 26°17 | 21°10 | 17°52 | F 15 |
| S 16 | 10 4 31 | 2°56'18 | 7♊51 | 6°33 | 14°28 | 26°10 | 3°28 | 13°14 | 23°52 | 3°29 | 7°13 | 25°50 | 26°14 | 21°17 | 17°56 | S 16 |
| S 17 | 10 8 28 | 3°56'14 | 20°53 | 7°47 | 15° 2 | 26°16 | 3°41 | 13°19 | 23°55 | 3°30 | 7°12 | 25°49 | 26°11 | 21°24 | 17°59 | S 17 |
| M18 | 10 12 24 | 4°56'07 | 3♋36 | 9° 3 | 15°36 | 26°22 | 3°55 | 13°24 | 23°58 | 3°30 | 7°10 | 25°46 | 26° 8 | 21°30 | 18° 3 | M18 |
| T 19 | 10 16 21 | 5°55'58 | 16° 6 | 10°21 | 16° 7 | 26°27 | 4° 8 | 13°30 | 24° 1 | 3°30 | 7° 9 | 25°41 | 26° 5 | 21°37 | 18° 6 | T 19 |
| W20 | 10 20 17 | 6°55'48 | 28°25 | 11°41 | 16°37 | 26°31 | 4°21 | 13°35 | 24° 4 | 3°31 | 7° 7 | 25°32 | 26° 2 | 21°44 | 18°10 | W20 |
| T 21 | 10 24 14 | 7°55'34 | 10♌35 | 13° 2 | 17° 6 | 26°34 | 4°34 | 13°40 | 24° 7 | 3°31 | 7° 6 | 25°21 | 25°58 | 21°50 | 18°13 | T 21 |
| F 22 | 10 28 10 | 8°55'19 | 22°38 | 14°24 | 17°33 | 26°37 | 4°47 | 13°45 | 24° 9 | 3°31 | 7° 5 | 25° 8 | 25°55 | 21°57 | 18°17 | F 22 |
| S 23 | 10 32 7 | 9°55'02 | 4♍37 | 15°49 | 17°58 | 26°40 | 5° 0 | 13°50 | 24°12 | 3°31 | 7° 3 | 24°54 | 25°52 | 22° 4 | 18°20 | S 23 |
| S 24 | 10 36 4 | 10°54'42 | 16°31 | 17°14 | 18°21 | 26°41 | 5°13 | 13°55 | 24°15 | 3°32 | 7° 2 | 24°41 | 25°49 | 22°10 | 18°24 | S 24 |
| M25 | 10 40 0 | 11°54'20 | 28°23 | 18°41 | 18°42 | 26°42 | 5°26 | 14° 0 | 24°17 | 3°32 | 7° 0 | 24°28 | 25°46 | 22°17 | 18°27 | M25 |
| T 26 | 10 43 57 | 12°53'57 | 10♎14 | 20°10 | 19° 2 | 26°R42 | 5°39 | 14° 4 | 24°20 | 3°32 | 6°59 | 24°18 | 25°43 | 22°24 | 18°31 | T 26 |
| W27 | 10 47 53 | 13°53'31 | 22° 5 | 21°39 | 19°20 | 26°41 | 5°51 | 14° 9 | 24°23 | 3°32 | 6°57 | 24°11 | 25°39 | 22°31 | 18°35 | W27 |
| T 28 | 10 51 50 | 14♓53'04 | 4♏ 1 | 23♒11 | 19♈35 | 26♎40 | 6♒ 4 | 14♑14 | 24♑25 | 3°R32 | 6♎56 | 24♏ 6 | 25♏36 | 22♍37 | 18♓38 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s33 | 15s38 | 1s43 | 20s 1 | 1n35 | 3n42 | 2n30 | 6s50 | 2n29 | 20s45 | 0s31 | 22s47 | 0n16 | 22s 5 | 0s30 | 19s23 | 1n35 | 13n 7 | 17n34 | 19s37 | 19s36 | 0s14 | 1s14 | 4n14 |
| S 2 | 15 14 | 18 21 | 0 40 | 20 9 | 1 23 | 4 9 | 2 38 | 6 55 | 2 30 | 20 42 | 0 31 | 22 47 | 0 16 | 22 4 | 0 30 | 19 23 | 1 35 | 13 8 | 17 34 | 19 37 | 19 35 | 0 16 | 1 13 | 4 13 |
| S 3 | 14 55 | 20 16 | 0n26 | 20 15 | 1 11 | 4 36 | 2 46 | 7 0 | 2 30 | 20 39 | 0 31 | 22 46 | 0 16 | 22 3 | 0 30 | 19 23 | 1 35 | 13 8 | 17 35 | 19 37 | 19 35 | 0 19 | 1 12 | 4 13 |
| M 4 | 14 36 | 21 11 | 1 33 | 20 20 | 0 59 | 5 3 | 2 54 | 7 4 | 2 31 | 20 36 | 0 31 | 22 46 | 0 15 | 22 3 | 0 30 | 19 23 | 1 35 | 13 9 | 17 35 | 19 37 | 19 34 | 0 21 | 1 11 | 4 13 |
| T 5 | 14 17 | 20 56 | 2 37 | 20 24 | 0 47 | 5 30 | 3 2 | 7 9 | 2 31 | 20 33 | 0 31 | 22 45 | 0 15 | 22 2 | 0 30 | 19 23 | 1 35 | 13 10 | 17 36 | 19 36 | 19 33 | 0 23 | 1 9 | 4 13 |
| W 6 | 13 57 | 19 26 | 3 34 | 20 26 | 0 36 | 5 56 | 3 10 | 7 13 | 2 32 | 20 30 | 0 31 | 22 45 | 0 15 | 22 2 | 0 30 | 19 23 | 1 35 | 13 11 | 17 36 | 19 35 | 19 32 | 0 25 | 1 8 | 4 13 |
| T 7 | 13 37 | 16 41 | 4 20 | 20 28 | 0 25 | 6 22 | 3 19 | 7 17 | 2 32 | 20 28 | 0 31 | 22 44 | 0 15 | 22 1 | 0 30 | 19 23 | 1 35 | 13 12 | 17 37 | 19 33 | 19 32 | 0 28 | 1 7 | 4 13 |
| F 8 | 13 17 | 12 47 | 4 50 | 20 28 | 0 14 | 6 48 | 3 27 | 7 21 | 2 32 | 20 25 | 0 32 | 22 44 | 0 15 | 22 1 | 0 30 | 19 23 | 1 36 | 13 12 | 17 37 | 19 31 | 19 31 | 0 30 | 1 6 | 4 13 |
| S 9 | 12 57 | 8 1 | 5 0 | 20 27 | 0 3 | 7 13 | 3 35 | 7 25 | 2 33 | 20 22 | 0 32 | 22 43 | 0 15 | 22 0 | 0 30 | 19 23 | 1 36 | 13 13 | 17 37 | 19 28 | 19 30 | 0 32 | 1 5 | 4 13 |
| S 10 | 12 36 | 2 43 | 4 49 | 20 24 | 0s 7 | 7 38 | 3 44 | 7 28 | 2 33 | 20 19 | 0 32 | 22 43 | 0 15 | 22 0 | 0 30 | 19 23 | 1 36 | 13 14 | 17 38 | 19 25 | 19 29 | 0 35 | 1 4 | 4 12 |
| M11 | 12 15 | 2n44 | 4 18 | 20 21 | 0 17 | 8 2 | 3 52 | 7 31 | 2 34 | 20 16 | 0 32 | 22 42 | 0 15 | 21 59 | 0 30 | 19 24 | 1 36 | 13 15 | 17 38 | 19 23 | 19 29 | 0 37 | 1 2 | 4 12 |
| T 12 | 11 54 | 7 57 | 3 30 | 20 16 | 0 26 | 8 26 | 4 1 | 7 35 | 2 34 | 20 13 | 0 32 | 22 42 | 0 15 | 21 59 | 0 30 | 19 24 | 1 36 | 13 16 | 17 39 | 19 21 | 19 28 | 0 39 | 1 1 | 4 12 |
| W13 | 11 33 | 12 35 | 2 28 | 20 10 | 0 35 | 8 49 | 4 9 | 7 37 | 2 34 | 20 10 | 0 32 | 22 41 | 0 15 | 21 58 | 0 30 | 19 24 | 1 36 | 13 17 | 17 39 | 19 20 | 19 27 | 0 42 | 1 0 | 4 12 |
| T 14 | 11 12 | 16 22 | 1 19 | 20 2 | 0 44 | 9 13 | 4 18 | 7 40 | 2 35 | 20 7 | 0 32 | 22 41 | 0 15 | 21 58 | 0 30 | 19 24 | 1 36 | 13 17 | 17 39 | 19 19 | 19 26 | 0 44 | 0 59 | 4 12 |
| F 15 | 10 51 | 19 7 | 0 7 | 19 53 | 0 52 | 9 35 | 4 26 | 7 43 | 2 35 | 20 4 | 0 32 | 22 40 | 0 15 | 21 57 | 0 30 | 19 24 | 1 36 | 13 18 | 17 40 | 19 19 | 19 26 | 0 46 | 0 57 | 4 12 |
| S 16 | 10 29 | 20 42 | 1s 3 | 19 43 | 1 0 | 9 57 | 4 35 | 7 45 | 2 35 | 20 1 | 0 33 | 22 40 | 0 15 | 21 57 | 0 30 | 19 24 | 1 36 | 13 19 | 17 40 | 19 19 | 19 25 | 0 49 | 0 56 | 4 12 |
| S 17 | 10 7 | 21 7 | 2 8 | 19 31 | 1 8 | 10 19 | 4 44 | 7 47 | 2 35 | 19 58 | 0 33 | 22 39 | 0 15 | 21 56 | 0 30 | 19 24 | 1 36 | 13 20 | 17 40 | 19 19 | 19 24 | 0 51 | 0 55 | 4 12 |
| M18 | 9 45 | 20 26 | 3 5 | 19 18 | 1 15 | 10 39 | 4 52 | 7 49 | 2 36 | 19 55 | 0 33 | 22 39 | 0 15 | 21 56 | 0 30 | 19 24 | 1 36 | 13 21 | 17 41 | 19 18 | 19 23 | 0 53 | 0 54 | 4 12 |
| T 19 | 9 23 | 18 45 | 3 52 | 19 4 | 1 22 | 11 0 | 5 1 | 7 50 | 2 36 | 19 52 | 0 33 | 22 38 | 0 15 | 21 55 | 0 31 | 19 24 | 1 36 | 13 22 | 17 41 | 19 17 | 19 23 | 0 55 | 0 52 | 4 11 |
| W20 | 9 1 | 16 13 | 4 28 | 18 48 | 1 29 | 11 19 | 5 10 | 7 52 | 2 36 | 19 49 | 0 33 | 22 38 | 0 15 | 21 55 | 0 31 | 19 24 | 1 36 | 13 22 | 17 41 | 19 15 | 19 22 | 0 58 | 0 51 | 4 11 |
| T 21 | 8 39 | 13 1 | 4 51 | 18 31 | 1 35 | 11 38 | 5 18 | 7 53 | 2 36 | 19 46 | 0 33 | 22 37 | 0 14 | 21 54 | 0 31 | 19 24 | 1 36 | 13 23 | 17 42 | 19 12 | 19 21 | 1 0 | 0 50 | 4 11 |
| F 22 | 8 16 | 9 19 | 5 0 | 18 12 | 1 41 | 11 57 | 5 27 | 7 54 | 2 36 | 19 43 | 0 33 | 22 37 | 0 14 | 21 54 | 0 31 | 19 24 | 1 36 | 13 24 | 17 42 | 19 9 | 19 20 | 1 2 | 0 48 | 4 11 |
| S 23 | 7 54 | 5 17 | 4 56 | 17 52 | 1 46 | 12 14 | 5 35 | 7 54 | 2 36 | 19 40 | 0 34 | 22 36 | 0 14 | 21 53 | 0 31 | 19 24 | 1 36 | 13 25 | 17 42 | 19 6 | 19 20 | 1 5 | 0 47 | 4 11 |
| S 24 | 7 31 | 1 4 | 4 39 | 17 31 | 1 51 | 12 31 | 5 44 | 7 55 | 2 36 | 19 37 | 0 34 | 22 36 | 0 14 | 21 53 | 0 31 | 19 24 | 1 36 | 13 26 | 17 43 | 19 2 | 19 19 | 1 7 | 0 46 | 4 11 |
| M25 | 7 8 | 3s11 | 4 10 | 17 8 | 1 55 | 12 47 | 5 52 | 7 55 | 2 36 | 19 34 | 0 34 | 22 36 | 0 14 | 21 53 | 0 31 | 19 24 | 1 36 | 13 27 | 17 43 | 18 59 | 19 18 | 1 9 | 0 45 | 4 11 |
| T 26 | 6 45 | 7 17 | 3 30 | 16 44 | 2 0 | 13 2 | 6 0 | 7 55 | 2 36 | 19 31 | 0 34 | 22 35 | 0 14 | 21 52 | 0 31 | 19 24 | 1 36 | 13 27 | 17 43 | 18 57 | 19 17 | 1 11 | 0 43 | 4 11 |
| W27 | 6 22 | 11 8 | 2 41 | 16 18 | 2 3 | 13 16 | 6 8 | 7 55 | 2 36 | 19 28 | 0 34 | 22 35 | 0 14 | 21 52 | 0 31 | 19 24 | 1 36 | 13 28 | 17 43 | 18 55 | 19 17 | 1 14 | 0 42 | 4 11 |
| T 28 | 5s59 | 14s34 | 1s45 | 15s51 | 2s 6 | 13n30 | 6n16 | 7s55 | 2n36 | 19s25 | 0s34 | 22s34 | 0n14 | 21s51 | 0s31 | 19s24 | 1n36 | 13n29 | 17n44 | 18s54 | 19s16 | 1s16 | 0s41 | 4n11 |

Julian Day Number = 2082321.5, Delta T = 25m18s
Ecliptic obliquity = 23°34'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'03, Lahiri = 9°46'03 Julian Calendar 1 Feb. 989 == Greg. Calendar 6 Feb. 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## MARCH 989 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 55 46 | 15♓52'35 | 16♏ 4 | 24♒43 | 19♈48 | 26°R38 | 6♒17 | 14♑18 | 24♑28 | 3°R32 | 6°R54 | 24°R 5 | 25♏33 | 22♍44 | 18♓42 | F 1 |
| S 2 | 10 59 43 | 16°52'03 | 28°18 | 26°17 | 20° 0 | 26♎35 | 6°29 | 14°23 | 24°30 | 3♐32 | 6♎53 | 24°D 4 | 25°30 | 22°51 | 18°45 | S 2 |
| S 3 | 11 3 39 | 17°51'31 | 10♐49 | 27°52 | 20° 9 | 26°31 | 6°42 | 14°27 | 24°33 | 3°32 | 6°51 | 24♏ 5 | 25°27 | 22°57 | 18°49 | S 3 |
| M 4 | 11 7 36 | 18°50'56 | 23°40 | 29°29 | 20°16 | 26°27 | 6°54 | 14°32 | 24°35 | 3°32 | 6°50 | 24°R 5 | 25°23 | 23° 4 | 18°52 | M 4 |
| T 5 | 11 11 33 | 19°50'19 | 6♑57 | 1♓ 7 | 20°20 | 26°22 | 7° 6 | 14°36 | 24°37 | 3°31 | 6°48 | 24° 4 | 25°20 | 23°11 | 18°56 | T 5 |
| W 6 | 11 15 29 | 20°49'41 | 20°42 | 2°46 | 20°R22 | 26°16 | 7°19 | 14°40 | 24°40 | 3°31 | 6°46 | 24° 0 | 25°17 | 23°18 | 18°59 | W 6 |
| T 7 | 11 19 26 | 21°49'01 | 4♒56 | 4°26 | 20°22 | 26° 9 | 7°31 | 14°44 | 24°42 | 3°31 | 6°45 | 23°54 | 25°14 | 23°24 | 19° 3 | T 7 |
| F 8 | 11 23 22 | 22°48'19 | 19°38 | 6° 8 | 20°20 | 26° 1 | 7°43 | 14°48 | 24°44 | 3°31 | 6°43 | 23°46 | 25°11 | 23°31 | 19° 6 | F 8 |
| S 9 | 11 27 19 | 23°47'35 | 4♓42 | 7°52 | 20°15 | 25°53 | 7°55 | 14°52 | 24°47 | 3°31 | 6°41 | 23°37 | 25° 8 | 23°38 | 19°10 | S 9 |
| S 10 | 11 31 15 | 24°46'49 | 19°59 | 9°36 | 20° 7 | 25°44 | 8° 7 | 14°56 | 24°49 | 3°30 | 6°40 | 23°28 | 25° 4 | 23°44 | 19°14 | S 10 |
| M11 | 11 35 12 | 25°46'01 | 5♈18 | 11°22 | 19°57 | 25°34 | 8°19 | 15° 0 | 24°51 | 3°30 | 6°38 | 23°20 | 25° 1 | 23°51 | 19°17 | M11 |
| T 12 | 11 39 8 | 26°45'11 | 20°27 | 13°10 | 19°45 | 25°23 | 8°31 | 15° 3 | 24°53 | 3°30 | 6°37 | 23°14 | 24°58 | 23°58 | 19°21 | T 12 |
| W13 | 11 43 5 | 27°44'18 | 5♉17 | 14°59 | 19°30 | 25°12 | 8°42 | 15° 7 | 24°55 | 3°29 | 6°35 | 23°11 | 24°55 | 24° 5 | 19°24 | W13 |
| T 14 | 11 47 2 | 28°43'23 | 19°42 | 16°49 | 19°12 | 25° 0 | 8°54 | 15°11 | 24°57 | 3°29 | 6°33 | 23°D 9 | 24°52 | 24°11 | 19°28 | T 14 |
| F 15 | 11 50 58 | 29°42'26 | 3♊40 | 18°41 | 18°52 | 24°47 | 9° 5 | 15°14 | 24°59 | 3°28 | 6°32 | 23°10 | 24°48 | 24°18 | 19°31 | F 15 |
| S 16 | 11 54 55 | 0♈41'27 | 17°11 | 20°34 | 18°30 | 24°33 | 9°17 | 15°17 | 25° 1 | 3°28 | 6°30 | 23°11 | 24°45 | 24°25 | 19°35 | S 16 |
| S 17 | 11 58 51 | 1°40'25 | 0♋16 | 22°28 | 18° 6 | 24°19 | 9°28 | 15°21 | 25° 3 | 3°27 | 6°28 | 23°R11 | 24°42 | 24°31 | 19°38 | S 17 |
| M18 | 12 2 48 | 2°39'21 | 13° 0 | 24°24 | 17°40 | 24° 4 | 9°40 | 15°24 | 25° 5 | 3°27 | 6°27 | 23°11 | 24°39 | 24°38 | 19°42 | M18 |
| T 19 | 12 6 44 | 3°38'15 | 25°26 | 26°21 | 17°11 | 23°48 | 9°51 | 15°27 | 25° 6 | 3°26 | 6°25 | 23° 8 | 24°36 | 24°45 | 19°45 | T 19 |
| W20 | 12 10 41 | 4°37'06 | 7♌39 | 28°20 | 16°41 | 23°32 | 10° 2 | 15°30 | 25° 8 | 3°25 | 6°23 | 23° 4 | 24°33 | 24°51 | 19°49 | W20 |
| T 21 | 12 14 37 | 5°35'55 | 19°42 | 0♈20 | 16° 9 | 23°15 | 10°13 | 15°33 | 25°10 | 3°25 | 6°21 | 22°57 | 24°29 | 24°58 | 19°52 | T 21 |
| F 22 | 12 18 34 | 6°34'42 | 1♍39 | 2°21 | 15°35 | 22°58 | 10°24 | 15°36 | 25°12 | 3°24 | 6°20 | 22°49 | 24°26 | 25° 5 | 19°56 | F 22 |
| S 23 | 12 22 30 | 7°33'26 | 13°31 | 4°24 | 15° 0 | 22°40 | 10°34 | 15°39 | 25°13 | 3°23 | 6°18 | 22°40 | 24°23 | 25°12 | 19°59 | S 23 |
| S 24 | 12 26 27 | 8°32'08 | 25°23 | 6°27 | 14°24 | 22°21 | 10°45 | 15°41 | 25°15 | 3°23 | 6°16 | 22°32 | 24°20 | 25°18 | 20° 2 | S 24 |
| M25 | 12 30 24 | 9°30'48 | 7♎14 | 8°32 | 13°47 | 22° 2 | 10°56 | 15°44 | 25°16 | 3°22 | 6°15 | 22°24 | 24°17 | 25°25 | 20° 6 | M25 |
| T 26 | 12 34 20 | 10°29'27 | 19° 8 | 10°38 | 13°10 | 21°42 | 11° 6 | 15°46 | 25°18 | 3°21 | 6°13 | 22°18 | 24°14 | 25°32 | 20° 9 | T 26 |
| W27 | 12 38 17 | 11°28'03 | 1♏ 5 | 12°44 | 12°32 | 21°22 | 11°16 | 15°49 | 25°19 | 3°20 | 6°11 | 22°14 | 24°10 | 25°38 | 20°13 | W27 |
| T 28 | 12 42 13 | 12°26'37 | 13° 8 | 14°51 | 11°54 | 21° 2 | 11°27 | 15°51 | 25°21 | 3°19 | 6°10 | 22°12 | 24° 7 | 25°45 | 20°16 | T 28 |
| F 29 | 12 46 10 | 13°25'10 | 25°18 | 16°58 | 11°16 | 20°41 | 11°37 | 15°53 | 25°22 | 3°19 | 6° 8 | 22°D11 | 24° 4 | 25°52 | 20°19 | F 29 |
| S 30 | 12 50 6 | 14°23'41 | 7♐40 | 19° 5 | 10°38 | 20°20 | 11°47 | 15°55 | 25°23 | 3°18 | 6° 6 | 22°12 | 24° 1 | 25°58 | 20°23 | S 30 |
| S 31 | 12 54 3 | 15♈22'10 | 20♐16 | 21♈13 | 10♈ 1 | 19♎58 | 11♒57 | 15♑57 | 25♑24 | 3♐17 | 6♎ 5 | 22♏14 | 23♏58 | 26♍ 5 | 20♓26 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s36 | 17s25 | 0s43 | 15s23 | 2s 9 | 13n42 | 6n24 | 7s54 | 2n36 | 19s22 | 0s34 | 22s34 | 0n14 | 21s51 | 0s31 | 19s24 | 1n37 | 13n30 | 17n44 | 18s54 | 19s15 | 1s18 | 0s39 | 4n11 |
| S 2 | 5 13 | 19 31 | 0n23 | 14 53 | 2 12 | 13 54 | 6 32 | 7 53 | 2 36 | 19 19 | 0 35 | 22 33 | 0 14 | 21 50 | 0 31 | 19 24 | 1 37 | 13 31 | 17 44 | 18 54 | 19 14 | 1 21 | 0 38 | 4 11 |
| S 3 | 4 49 | 20 44 | 1 28 | 14 22 | 2 14 | 14 4 | 6 39 | 7 52 | 2 36 | 19 16 | 0 35 | 22 33 | 0 14 | 21 50 | 0 31 | 19 24 | 1 37 | 13 31 | 17 44 | 18 54 | 19 14 | 1 23 | 0 37 | 4 11 |
| M 4 | 4 26 | 20 54 | 2 31 | 13 49 | 2 15 | 14 13 | 6 46 | 7 50 | 2 36 | 19 13 | 0 35 | 22 33 | 0 14 | 21 50 | 0 31 | 19 23 | 1 37 | 13 32 | 17 45 | 18 54 | 19 13 | 1 25 | 0 35 | 4 11 |
| T 5 | 4 3 | 19 56 | 3 28 | 13 15 | 2 16 | 14 21 | 6 53 | 7 49 | 2 35 | 19 10 | 0 35 | 22 32 | 0 14 | 21 49 | 0 31 | 19 23 | 1 37 | 13 33 | 17 45 | 18 53 | 19 12 | 1 27 | 0 34 | 4 10 |
| W 6 | 3 39 | 17 46 | 4 15 | 12 40 | 2 17 | 14 28 | 7 0 | 7 47 | 2 35 | 19 7 | 0 35 | 22 32 | 0 14 | 21 49 | 0 31 | 19 23 | 1 37 | 13 34 | 17 45 | 18 52 | 19 11 | 1 30 | 0 33 | 4 10 |
| T 7 | 3 16 | 14 28 | 4 48 | 12 3 | 2 17 | 14 34 | 7 6 | 7 45 | 2 35 | 19 4 | 0 35 | 22 31 | 0 14 | 21 48 | 0 31 | 19 23 | 1 37 | 13 35 | 17 45 | 18 51 | 19 11 | 1 32 | 0 31 | 4 10 |
| F 8 | 2 52 | 10 12 | 5 3 | 11 25 | 2 17 | 14 38 | 7 12 | 7 43 | 2 34 | 19 1 | 0 36 | 22 31 | 0 14 | 21 48 | 0 31 | 19 23 | 1 37 | 13 35 | 17 45 | 18 49 | 19 10 | 1 34 | 0 30 | 4 10 |
| S 9 | 2 29 | 5 12 | 4 59 | 10 46 | 2 16 | 14 42 | 7 18 | 7 40 | 2 34 | 18 58 | 0 36 | 22 31 | 0 14 | 21 48 | 0 31 | 19 23 | 1 37 | 13 36 | 17 46 | 18 47 | 19 9 | 1 37 | 0 28 | 4 10 |
| S 10 | 2 5 | 0n11 | 4 33 | 10 5 | 2 14 | 14 43 | 7 23 | 7 37 | 2 33 | 18 55 | 0 36 | 22 30 | 0 13 | 21 47 | 0 31 | 19 23 | 1 37 | 13 37 | 17 46 | 18 44 | 19 8 | 1 39 | 0 27 | 4 10 |
| M11 | 1 41 | 5 35 | 3 47 | 9 23 | 2 13 | 14 44 | 7 28 | 7 34 | 2 33 | 18 52 | 0 36 | 22 30 | 0 13 | 21 47 | 0 31 | 19 23 | 1 37 | 13 38 | 17 46 | 18 42 | 19 7 | 1 41 | 0 26 | 4 10 |
| T 12 | 1 18 | 10 35 | 2 46 | 8 39 | 2 10 | 14 43 | 7 32 | 7 31 | 2 32 | 18 49 | 0 36 | 22 30 | 0 13 | 21 47 | 0 31 | 19 23 | 1 37 | 13 38 | 17 46 | 18 41 | 19 7 | 1 43 | 0 24 | 4 10 |
| W13 | 0 54 | 14 50 | 1 34 | 7 54 | 2 8 | 14 40 | 7 35 | 7 27 | 2 31 | 18 46 | 0 36 | 22 29 | 0 13 | 21 46 | 0 31 | 19 23 | 1 37 | 13 39 | 17 46 | 18 40 | 19 6 | 1 46 | 0 23 | 4 10 |
| T 14 | 0 31 | 18 3 | 0 18 | 7 8 | 2 4 | 14 37 | 7 38 | 7 24 | 2 30 | 18 43 | 0 37 | 22 29 | 0 13 | 21 46 | 0 31 | 19 22 | 1 37 | 13 40 | 17 46 | 18 40 | 19 5 | 1 48 | 0 22 | 4 10 |
| F 15 | 0 7 | 20 5 | 0s56 | 6 21 | 2 0 | 14 31 | 7 41 | 7 20 | 2 30 | 18 40 | 0 37 | 22 28 | 0 13 | 21 46 | 0 31 | 19 22 | 1 37 | 13 41 | 17 46 | 18 40 | 19 4 | 1 50 | 0 20 | 4 10 |
| S 16 | 0n17 | 20 52 | 2 5 | 5 32 | 1 56 | 14 24 | 7 42 | 7 16 | 2 29 | 18 37 | 0 37 | 22 28 | 0 13 | 21 45 | 0 31 | 19 22 | 1 37 | 13 41 | 17 46 | 18 40 | 19 4 | 1 52 | 0 19 | 4 10 |
| S 17 | 0 40 | 20 28 | 3 6 | 4 42 | 1 51 | 14 16 | 7 43 | 7 11 | 2 28 | 18 35 | 0 37 | 22 28 | 0 13 | 21 45 | 0 31 | 19 22 | 1 37 | 13 42 | 17 46 | 18 40 | 19 3 | 1 55 | 0 17 | 4 10 |
| M18 | 1 4 | 19 2 | 3 55 | 3 51 | 1 46 | 14 5 | 7 44 | 7 7 | 2 27 | 18 32 | 0 37 | 22 28 | 0 13 | 21 45 | 0 31 | 19 22 | 1 37 | 13 43 | 17 46 | 18 40 | 19 2 | 1 57 | 0 16 | 4 10 |
| T 19 | 1 27 | 16 42 | 4 33 | 2 59 | 1 40 | 13 54 | 7 43 | 7 2 | 2 26 | 18 29 | 0 37 | 22 27 | 0 13 | 21 44 | 0 31 | 19 22 | 1 37 | 13 44 | 17 46 | 18 39 | 19 1 | 1 59 | 0 15 | 4 10 |
| W20 | 1 51 | 13 41 | 4 56 | 2 6 | 1 33 | 13 41 | 7 42 | 6 57 | 2 24 | 18 26 | 0 38 | 22 27 | 0 13 | 21 44 | 0 31 | 19 22 | 1 37 | 13 44 | 17 47 | 18 38 | 19 0 | 2 1 | 0 13 | 4 10 |
| T 21 | 2 14 | 10 8 | 5 7 | 1 11 | 1 26 | 13 26 | 7 40 | 6 52 | 2 23 | 18 23 | 0 38 | 22 27 | 0 13 | 21 44 | 0 31 | 19 21 | 1 37 | 13 45 | 17 47 | 18 37 | 19 0 | 2 4 | 0 12 | 4 10 |
| F 22 | 2 38 | 6 13 | 5 4 | 0 16 | 1 19 | 13 10 | 7 37 | 6 47 | 2 22 | 18 20 | 0 38 | 22 26 | 0 13 | 21 44 | 0 31 | 19 21 | 1 37 | 13 46 | 17 47 | 18 35 | 18 59 | 2 6 | 0 11 | 4 10 |
| S 23 | 3 1 | 2 5 | 4 48 | 0n40 | 1 11 | 12 53 | 7 33 | 6 41 | 2 21 | 18 18 | 0 38 | 22 26 | 0 13 | 21 43 | 0 31 | 19 21 | 1 38 | 13 46 | 17 47 | 18 32 | 18 58 | 2 8 | 0 9 | 4 10 |
| S 24 | 3 24 | 2s 7 | 4 19 | 1 37 | 1 3 | 12 35 | 7 28 | 6 36 | 2 19 | 18 15 | 0 38 | 22 26 | 0 13 | 21 43 | 0 31 | 19 21 | 1 38 | 13 47 | 17 47 | 18 30 | 18 57 | 2 10 | 0 8 | 4 10 |
| M25 | 3 47 | 6 14 | 3 39 | 2 35 | 0 54 | 12 15 | 7 23 | 6 30 | 2 18 | 18 12 | 0 39 | 22 26 | 0 13 | 21 43 | 0 31 | 19 21 | 1 38 | 13 48 | 17 47 | 18 28 | 18 57 | 2 13 | 0 7 | 4 10 |
| T 26 | 4 10 | 10 8 | 2 50 | 3 33 | 0 44 | 11 54 | 7 16 | 6 24 | 2 16 | 18 9 | 0 39 | 22 25 | 0 13 | 21 43 | 0 31 | 19 21 | 1 38 | 13 48 | 17 47 | 18 27 | 18 56 | 2 15 | 0 5 | 4 10 |
| W27 | 4 34 | 13 40 | 1 52 | 4 31 | 0 35 | 11 33 | 7 9 | 6 18 | 2 14 | 18 7 | 0 39 | 22 25 | 0 13 | 21 42 | 0 32 | 19 20 | 1 38 | 13 49 | 17 46 | 18 26 | 18 55 | 2 17 | 0 4 | 4 10 |
| T 28 | 4 57 | 16 39 | 0 49 | 5 30 | 0 25 | 11 10 | 7 1 | 6 12 | 2 13 | 18 4 | 0 39 | 22 25 | 0 12 | 21 42 | 0 32 | 19 20 | 1 38 | 13 49 | 17 46 | 18 25 | 18 54 | 2 19 | 0 3 | 4 10 |
| F 29 | 5 19 | 18 55 | 0n17 | 6 29 | 0 14 | 10 47 | 6 52 | 6 6 | 2 11 | 18 1 | 0 39 | 22 25 | 0 12 | 21 42 | 0 32 | 19 20 | 1 38 | 13 50 | 17 46 | 18 25 | 18 53 | 2 22 | 0 1 | 4 10 |
| S 30 | 5 42 | 20 20 | 1 23 | 7 28 | 0 4 | 10 24 | 6 43 | 6 0 | 2 9 | 17 59 | 0 40 | 22 25 | 0 12 | 21 42 | 0 32 | 19 20 | 1 38 | 13 51 | 17 46 | 18 25 | 18 53 | 2 24 | 0n 0 | 4 10 |
| S 31 | 6n 5 | 20s46 | 2n27 | 8n26 | 0n 7 | 10n 0 | 6n33 | 5s53 | 2n 7 | 17s56 | 0s40 | 22s24 | 0n12 | 21s41 | 0s32 | 19s19 | 1n38 | 13n51 | 17n46 | 18s25 | 18s52 | 2s26 | 0n 1 | 4n10 |

Julian Day Number = 2082349.5, Delta T = 25m17s
Ecliptic obliquity = 23°34'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'07, Lahiri = 9°46'07 Julian Calendar 1 March 989 == Greg. Calendar 6 March 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## APRIL 989 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 57 59 | 16♈20'37 | 3♑10 | 23♈19 | 9°R25 | 19°R37 | 12♒ 7 | 15♑59 | 25♑26 | 3°R16 | 6°R 3 | 22♏15 | 23♏54 | 26♍12 | 20♓29 | M 1 |
| T 2 | 13 1 56 | 17°19'03 | 16°24 | 25°26 | 8♈50 | 19♎15 | 12°16 | 16° 1 | 25°27 | 3♐15 | 6♎ 1 | 22°R16 | 23°51 | 26°19 | 20°32 | T 2 |
| W 3 | 13 5 53 | 18°17'27 | 0♒ 3 | 27°31 | 8°17 | 18°53 | 12°26 | 16° 3 | 25°28 | 3°14 | 6° 0 | 22°15 | 23°48 | 26°25 | 20°36 | W 3 |
| T 4 | 13 9 49 | 19°15'50 | 14° 6 | 29°34 | 7°44 | 18°30 | 12°35 | 16° 5 | 25°29 | 3°13 | 5°58 | 22°13 | 23°45 | 26°32 | 20°39 | T 4 |
| F 5 | 13 13 46 | 20°14'11 | 28°34 | 1♉36 | 7°14 | 18° 8 | 12°45 | 16° 6 | 25°30 | 3°12 | 5°56 | 22°10 | 23°42 | 26°39 | 20°42 | F 5 |
| S 6 | 13 17 42 | 21°12'30 | 13♓22 | 3°36 | 6°45 | 17°45 | 12°54 | 16° 8 | 25°31 | 3°11 | 5°55 | 22° 6 | 23°39 | 26°45 | 20°45 | S 6 |
| S 7 | 13 21 39 | 22°10'47 | 28°24 | 5°34 | 6°19 | 17°23 | 13° 3 | 16° 9 | 25°32 | 3°10 | 5°53 | 22° 1 | 23°35 | 26°52 | 20°48 | S 7 |
| M 8 | 13 25 35 | 23° 9'03 | 13♈32 | 7°29 | 5°54 | 17° 1 | 13°12 | 16°10 | 25°33 | 3° 8 | 5°52 | 21°58 | 23°32 | 26°59 | 20°52 | M 8 |
| T 9 | 13 29 32 | 24° 7'18 | 28°36 | 9°21 | 5°32 | 16°38 | 13°21 | 16°11 | 25°33 | 3° 7 | 5°50 | 21°55 | 23°29 | 27° 5 | 20°55 | T 9 |
| W10 | 13 33 28 | 25° 5'30 | 13♉27 | 11°11 | 5°11 | 16°16 | 13°30 | 16°12 | 25°34 | 3° 6 | 5°48 | 21°53 | 23°26 | 27°12 | 20°58 | W10 |
| T 11 | 13 37 25 | 26° 3'41 | 27°58 | 12°57 | 4°54 | 15°54 | 13°38 | 16°13 | 25°35 | 3° 5 | 5°47 | 21°D53 | 23°23 | 27°19 | 21° 1 | T 11 |
| F 12 | 13 41 22 | 27° 1'49 | 12♊ 3 | 14°40 | 4°38 | 15°33 | 13°47 | 16°14 | 25°36 | 3° 4 | 5°45 | 21°54 | 23°19 | 27°26 | 21° 4 | F 12 |
| S 13 | 13 45 18 | 27°59'56 | 25°42 | 16°19 | 4°25 | 15°11 | 13°55 | 16°15 | 25°36 | 3° 3 | 5°44 | 21°56 | 23°16 | 27°32 | 21° 7 | S 13 |
| S 14 | 13 49 15 | 28°58'01 | 8♋55 | 17°54 | 4°14 | 14°50 | 14° 3 | 16°16 | 25°37 | 3° 1 | 5°42 | 21°57 | 23°13 | 27°39 | 21°10 | S 14 |
| M15 | 13 53 11 | 29°56'04 | 21°44 | 19°26 | 4° 6 | 14°29 | 14°11 | 16°16 | 25°37 | 3° 0 | 5°41 | 21°58 | 23°10 | 27°46 | 21°13 | M15 |
| T 16 | 13 57 8 | 0♌54'04 | 4♌13 | 20°54 | 4° 0 | 14° 9 | 14°19 | 16°17 | 25°38 | 2°59 | 5°39 | 21°R58 | 23° 7 | 27°52 | 21°16 | T 16 |
| W17 | 14 1 4 | 1°52'03 | 16°26 | 22°18 | 3°57 | 13°49 | 14°27 | 16°17 | 25°38 | 2°57 | 5°38 | 21°58 | 23° 4 | 27°59 | 21°18 | W17 |
| T 18 | 14 5 1 | 2°50'00 | 28°28 | 23°38 | 3°D56 | 13°30 | 14°35 | 16°18 | 25°39 | 2°56 | 5°36 | 21°56 | 23° 0 | 28° 6 | 21°21 | T 18 |
| F 19 | 14 8 57 | 3°47'55 | 10♍22 | 24°54 | 3°57 | 13°11 | 14°42 | 16°18 | 25°39 | 2°55 | 5°35 | 21°54 | 22°57 | 28°12 | 21°24 | F 19 |
| S 20 | 14 12 54 | 4°45'48 | 22°13 | 26° 5 | 4° 1 | 12°53 | 14°49 | 16°R18 | 25°39 | 2°53 | 5°33 | 21°51 | 22°54 | 28°19 | 21°27 | S 20 |
| S 21 | 14 16 51 | 5°43'40 | 4♎ 4 | 27°13 | 4° 7 | 12°35 | 14°57 | 16°18 | 25°39 | 2°52 | 5°32 | 21°48 | 22°51 | 28°26 | 21°30 | S 21 |
| M22 | 14 20 47 | 6°41'30 | 15°58 | 28°16 | 4°15 | 12°18 | 15° 4 | 16°18 | 25°39 | 2°51 | 5°31 | 21°46 | 22°48 | 28°33 | 21°32 | M22 |
| T 23 | 14 24 44 | 7°39'18 | 27°56 | 29°15 | 4°25 | 12° 1 | 15°11 | 16°17 | 25°40 | 2°49 | 5°29 | 21°44 | 22°45 | 28°39 | 21°35 | T 23 |
| W24 | 14 28 40 | 8°37'04 | 10♏ 2 | 0♊ 9 | 4°37 | 11°45 | 15°17 | 16°17 | 25°40 | 2°48 | 5°28 | 21°43 | 22°41 | 28°46 | 21°38 | W24 |
| T 25 | 14 32 37 | 9°34'50 | 22°17 | 0°59 | 4°52 | 11°30 | 15°24 | 16°17 | 25°R40 | 2°46 | 5°27 | 21°D43 | 22°38 | 28°53 | 21°40 | T 25 |
| F 26 | 14 36 33 | 10°32'34 | 4♐42 | 1°44 | 5° 8 | 11°16 | 15°30 | 16°16 | 25°40 | 2°45 | 5°25 | 21°43 | 22°35 | 28°59 | 21°43 | F 26 |
| S 27 | 14 40 30 | 11°30'16 | 17°19 | 2°25 | 5°26 | 11° 2 | 15°37 | 16°16 | 25°40 | 2°43 | 5°24 | 21°44 | 22°32 | 29° 6 | 21°46 | S 27 |
| S 28 | 14 44 26 | 12°27'58 | 0♑10 | 3° 1 | 5°46 | 10°49 | 15°43 | 16°15 | 25°39 | 2°42 | 5°23 | 21°45 | 22°29 | 29°13 | 21°48 | S 28 |
| M29 | 14 48 23 | 13°25'38 | 13°15 | 3°32 | 6° 8 | 10°37 | 15°49 | 16°14 | 25°39 | 2°40 | 5°21 | 21°46 | 22°25 | 29°19 | 21°51 | M29 |
| T 30 | 14 52 20 | 14♌23'17 | 26♑37 | 3♊59 | 6♈32 | 10♎25 | 15♒55 | 16♑13 | 25♑39 | 2♐39 | 5♎20 | 21♏46 | 22♏22 | 29♍26 | 21♓53 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n28 | 20s 7 | 3n25 | 9n23 | 0n18 | 9n35 | 6n22 | 5s47 | 2n 5 | 17s54 | 0s40 | 22s24 | 0n12 | 21s41 | 0s32 | 19s19 | 1n38 | 13n52 | 17n46 | 18s26 | 18s51 | 2s28 | 0n 3 | 4n11 |
| T 2 | 6 50 | 18 22 | 4 13 | 10 20 | 0 29 | 9 11 | 6 10 | 5 41 | 2 3 | 17 51 | 0 40 | 22 24 | 0 12 | 21 41 | 0 32 | 19 19 | 1 38 | 13 52 | 17 46 | 18 26 | 18 50 | 2 31 | 0 4 | 4 11 |
| W 3 | 7 13 | 15 32 | 4 49 | 11 16 | 0 40 | 8 47 | 5 58 | 5 34 | 2 1 | 17 49 | 0 40 | 22 24 | 0 12 | 21 41 | 0 32 | 19 19 | 1 38 | 13 53 | 17 46 | 18 26 | 18 49 | 2 33 | 0 5 | 4 11 |
| T 4 | 7 35 | 11 45 | 5 9 | 12 10 | 0 51 | 8 22 | 5 46 | 5 28 | 1 59 | 17 46 | 0 41 | 22 24 | 0 12 | 21 41 | 0 32 | 19 19 | 1 38 | 13 53 | 17 46 | 18 25 | 18 49 | 2 35 | 0 7 | 4 11 |
| F 5 | 7 57 | 7 11 | 5 10 | 13 3 | 1 1 | 7 58 | 5 33 | 5 21 | 1 57 | 17 44 | 0 41 | 22 24 | 0 12 | 21 41 | 0 32 | 19 18 | 1 38 | 13 54 | 17 46 | 18 25 | 18 48 | 2 37 | 0 8 | 4 11 |
| S 6 | 8 19 | 2 6 | 4 51 | 13 55 | 1 12 | 7 35 | 5 20 | 5 15 | 1 54 | 17 41 | 0 41 | 22 24 | 0 12 | 21 40 | 0 32 | 19 18 | 1 38 | 13 54 | 17 46 | 18 23 | 18 47 | 2 39 | 0 9 | 4 11 |
| S 7 | 8 41 | 3n13 | 4 12 | 14 44 | 1 22 | 7 12 | 5 6 | 5 8 | 1 52 | 17 39 | 0 41 | 22 23 | 0 12 | 21 40 | 0 32 | 19 18 | 1 38 | 13 55 | 17 45 | 18 22 | 18 46 | 2 42 | 0 11 | 4 11 |
| M 8 | 9 3 | 8 22 | 3 15 | 15 31 | 1 32 | 6 49 | 4 52 | 5 2 | 1 49 | 17 36 | 0 41 | 22 23 | 0 12 | 21 40 | 0 32 | 19 18 | 1 38 | 13 55 | 17 45 | 18 21 | 18 45 | 2 44 | 0 12 | 4 11 |
| T 9 | 9 24 | 12 58 | 2 4 | 16 17 | 1 41 | 6 28 | 4 38 | 4 56 | 1 47 | 17 34 | 0 42 | 22 23 | 0 12 | 21 40 | 0 32 | 19 17 | 1 38 | 13 56 | 17 45 | 18 21 | 18 45 | 2 46 | 0 13 | 4 11 |
| W10 | 9 46 | 16 42 | 0 46 | 17 0 | 1 49 | 6 7 | 4 24 | 4 49 | 1 45 | 17 32 | 0 42 | 22 23 | 0 12 | 21 40 | 0 32 | 19 17 | 1 38 | 13 56 | 17 45 | 18 20 | 18 44 | 2 48 | 0 15 | 4 11 |
| T 11 | 10 7 | 19 16 | 0s33 | 17 40 | 1 57 | 5 47 | 4 10 | 4 43 | 1 42 | 17 30 | 0 42 | 22 23 | 0 12 | 21 40 | 0 32 | 19 17 | 1 38 | 13 57 | 17 45 | 18 20 | 18 43 | 2 51 | 0 16 | 4 11 |
| F 12 | 10 28 | 20 34 | 1 49 | 18 18 | 2 5 | 5 28 | 3 56 | 4 37 | 1 39 | 17 27 | 0 42 | 22 23 | 0 12 | 21 40 | 0 32 | 19 17 | 1 38 | 13 57 | 17 44 | 18 20 | 18 42 | 2 53 | 0 17 | 4 11 |
| S 13 | 10 49 | 20 35 | 2 55 | 18 54 | 2 11 | 5 10 | 3 42 | 4 32 | 1 37 | 17 25 | 0 43 | 22 23 | 0 11 | 21 40 | 0 32 | 19 16 | 1 38 | 13 58 | 17 44 | 18 21 | 18 41 | 2 55 | 0 18 | 4 11 |
| S 14 | 11 10 | 19 26 | 3 51 | 19 27 | 2 17 | 4 53 | 3 28 | 4 26 | 1 34 | 17 23 | 0 43 | 22 23 | 0 11 | 21 40 | 0 32 | 19 16 | 1 38 | 13 58 | 17 44 | 18 21 | 18 41 | 2 57 | 0 20 | 4 11 |
| M15 | 11 31 | 17 19 | 4 32 | 19 58 | 2 22 | 4 36 | 3 14 | 4 20 | 1 31 | 17 21 | 0 43 | 22 23 | 0 11 | 21 40 | 0 32 | 19 16 | 1 38 | 13 58 | 17 44 | 18 21 | 18 40 | 2 59 | 0 21 | 4 11 |
| T 16 | 11 51 | 14 27 | 5 0 | 20 26 | 2 27 | 4 22 | 3 1 | 4 15 | 1 29 | 17 19 | 0 43 | 22 23 | 0 11 | 21 40 | 0 32 | 19 16 | 1 38 | 13 59 | 17 44 | 18 22 | 18 39 | 3 2 | 0 22 | 4 12 |
| W17 | 12 11 | 11 0 | 5 14 | 20 52 | 2 30 | 4 8 | 2 47 | 4 10 | 1 26 | 17 17 | 0 43 | 22 23 | 0 11 | 21 39 | 0 32 | 19 15 | 1 38 | 13 59 | 17 43 | 18 21 | 18 38 | 3 4 | 0 23 | 4 12 |
| T 18 | 12 31 | 7 11 | 5 13 | 21 15 | 2 33 | 3 55 | 2 34 | 4 5 | 1 23 | 17 15 | 0 44 | 22 23 | 0 11 | 21 39 | 0 32 | 19 15 | 1 38 | 13 59 | 17 43 | 18 21 | 18 37 | 3 6 | 0 25 | 4 12 |
| F 19 | 12 51 | 3 6 | 4 59 | 21 35 | 2 35 | 3 44 | 2 20 | 4 0 | 1 20 | 17 13 | 0 44 | 22 23 | 0 11 | 21 39 | 0 32 | 19 15 | 1 38 | 14 0 | 17 43 | 18 20 | 18 37 | 3 8 | 0 26 | 4 12 |
| S 20 | 13 11 | 1s 4 | 4 32 | 21 54 | 2 35 | 3 33 | 2 8 | 3 55 | 1 18 | 17 11 | 0 44 | 22 23 | 0 11 | 21 39 | 0 32 | 19 14 | 1 38 | 14 0 | 17 42 | 18 20 | 18 36 | 3 10 | 0 27 | 4 12 |
| S 21 | 13 30 | 5 12 | 3 54 | 22 9 | 2 35 | 3 24 | 1 55 | 3 51 | 1 15 | 17 9 | 0 44 | 22 23 | 0 11 | 21 39 | 0 32 | 19 14 | 1 38 | 14 0 | 17 42 | 18 19 | 18 35 | 3 13 | 0 28 | 4 12 |
| M22 | 13 49 | 9 9 | 3 5 | 22 23 | 2 34 | 3 16 | 1 42 | 3 47 | 1 12 | 17 7 | 0 45 | 22 23 | 0 11 | 21 39 | 0 32 | 19 14 | 1 38 | 14 1 | 17 42 | 18 18 | 18 34 | 3 15 | 0 29 | 4 12 |
| T 23 | 14 8 | 12 47 | 2 8 | 22 34 | 2 32 | 3 9 | 1 30 | 3 43 | 1 9 | 17 5 | 0 45 | 22 23 | 0 11 | 21 39 | 0 32 | 19 14 | 1 38 | 14 1 | 17 42 | 18 18 | 18 33 | 3 17 | 0 30 | 4 12 |
| W24 | 14 27 | 15 55 | 1 4 | 22 43 | 2 29 | 3 3 | 1 19 | 3 39 | 1 6 | 17 3 | 0 45 | 22 23 | 0 11 | 21 39 | 0 32 | 19 13 | 1 38 | 14 1 | 17 41 | 18 18 | 18 33 | 3 19 | 0 32 | 4 12 |
| T 25 | 14 46 | 18 23 | 0n 3 | 22 50 | 2 25 | 2 58 | 1 7 | 3 36 | 1 3 | 17 2 | 0 45 | 22 24 | 0 11 | 21 39 | 0 32 | 19 13 | 1 39 | 14 1 | 17 41 | 18 18 | 18 32 | 3 21 | 0 33 | 4 13 |
| F 26 | 15 4 | 20 1 | 1 11 | 22 54 | 2 20 | 2 54 | 0 56 | 3 33 | 1 1 | 17 0 | 0 46 | 22 24 | 0 11 | 21 39 | 0 33 | 19 13 | 1 39 | 14 1 | 17 41 | 18 18 | 18 31 | 3 24 | 0 34 | 4 13 |
| S 27 | 15 22 | 20 41 | 2 17 | 22 57 | 2 14 | 2 51 | 0 45 | 3 30 | 0 58 | 16 58 | 0 46 | 22 24 | 0 11 | 21 40 | 0 33 | 19 12 | 1 39 | 14 2 | 17 40 | 18 18 | 18 30 | 3 26 | 0 35 | 4 13 |
| S 28 | 15 40 | 20 17 | 3 17 | 22 57 | 2 7 | 2 50 | 0 34 | 3 28 | 0 55 | 16 57 | 0 46 | 22 24 | 0 11 | 21 40 | 0 33 | 19 12 | 1 39 | 14 2 | 17 40 | 18 18 | 18 29 | 3 28 | 0 36 | 4 13 |
| M29 | 15 57 | 18 47 | 4 8 | 22 55 | 1 59 | 2 49 | 0 24 | 3 25 | 0 52 | 16 55 | 0 46 | 22 24 | 0 10 | 21 40 | 0 33 | 19 12 | 1 39 | 14 2 | 17 40 | 18 18 | 18 29 | 3 30 | 0 37 | 4 13 |
| T 30 | 16n15 | 16s15 | 4n47 | 22n52 | 1n50 | 2n49 | 0n14 | 3s23 | 0n49 | 16s54 | 0s47 | 22s24 | 0n10 | 21s40 | 0s33 | 19s11 | 1n39 | 14n 2 | 17n39 | 18s18 | 18s28 | 3s32 | 0n38 | 4n13 |

Julian Day Number = 2082380.5, Delta T = 25m17s
Ecliptic obliquity = 23°34'08, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'11, Lahiri = 9°46'11 Julian Calendar 1 Apr. 989 == Greg. Calendar 6 Apr. 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## MAY 989 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 56 16 | 15♉20'55 | 10♒17 | 4♊21 | 6♈57 | 10°R14 | 16♒ 0 | 16°R12 | 25°R39 | 2°R37 | 5°R19 | 21°R47 | 22♏19 | 29♍33 | 21♓55 | W 1 |
| T 2 | 15 0 13 | 16°18'32 | 24°14 | 4°38 | 7°24 | 10♎ 5 | 16° 6 | 16♑11 | 25♑38 | 2♐36 | 5♎18 | 21♏47 | 22°16 | 29°39 | 21°58 | T 2 |
| F 3 | 15 4 9 | 17°16'08 | 8♓28 | 4°50 | 7°53 | 9°55 | 16°11 | 16°10 | 25°38 | 2°34 | 5°17 | 21°46 | 22°13 | 29°46 | 22° 0 | F 3 |
| S 4 | 15 8 6 | 18°13'43 | 22°57 | 4°58 | 8°23 | 9°47 | 16°16 | 16° 9 | 25°38 | 2°33 | 5°16 | 21°46 | 22°10 | 29°53 | 22° 2 | S 4 |
| S 5 | 15 12 2 | 19°11'17 | 7♈37 | 5°R 1 | 8°54 | 9°39 | 16°21 | 16° 8 | 25°37 | 2°31 | 5°15 | 21°46 | 22° 6 | 29°59 | 22° 5 | S 5 |
| M 6 | 15 15 59 | 20° 8'50 | 22°23 | 4°59 | 9°27 | 9°33 | 16°26 | 16° 6 | 25°37 | 2°30 | 5°13 | 21°46 | 22° 3 | 0♎ 6 | 22° 7 | M 6 |
| T 7 | 15 19 55 | 21° 6'22 | 7♉ 7 | 4°52 | 10° 1 | 9°27 | 16°31 | 16° 5 | 25°36 | 2°28 | 5°12 | 21°46 | 22° 0 | 0°13 | 22° 9 | T 7 |
| W 8 | 15 23 52 | 22° 3'53 | 21°43 | 4°42 | 10°36 | 9°22 | 16°35 | 16° 3 | 25°35 | 2°26 | 5°11 | 21°46 | 21°57 | 0°20 | 22°11 | W 8 |
| T 9 | 15 27 48 | 23° 1'23 | 6♊ 5 | 4°27 | 11°13 | 9°17 | 16°40 | 16° 1 | 25°35 | 2°25 | 5°10 | 21°46 | 21°54 | 0°26 | 22°13 | T 9 |
| F 10 | 15 31 45 | 23°58'52 | 20° 7 | 4° 9 | 11°51 | 9°14 | 16°44 | 16° 0 | 25°34 | 2°23 | 5° 9 | 21°45 | 21°51 | 0°33 | 22°15 | F 10 |
| S 11 | 15 35 42 | 24°56'20 | 3♋46 | 3°47 | 12°30 | 9°11 | 16°48 | 15°58 | 25°33 | 2°22 | 5° 8 | 21°45 | 21°47 | 0°40 | 22°17 | S 11 |
| S 12 | 15 39 38 | 25°53'47 | 17° 2 | 3°21 | 13°10 | 9° 9 | 16°52 | 15°56 | 25°33 | 2°20 | 5° 8 | 21°45 | 21°44 | 0°46 | 22°19 | S 12 |
| M13 | 15 43 35 | 26°51'12 | 29°55 | 2°54 | 13°51 | 9° 8 | 16°55 | 15°54 | 25°32 | 2°18 | 5° 7 | 21°44 | 21°41 | 0°53 | 22°21 | M13 |
| T 14 | 15 47 31 | 27°48'36 | 12♌28 | 2°24 | 14°33 | 9°D 8 | 16°59 | 15°52 | 25°31 | 2°17 | 5° 6 | 21°44 | 21°38 | 1° 0 | 22°23 | T 14 |
| W15 | 15 51 28 | 28°45'59 | 24°43 | 1°52 | 15°16 | 9° 9 | 17° 2 | 15°49 | 25°30 | 2°15 | 5° 5 | 21°D44 | 21°35 | 1° 7 | 22°25 | W15 |
| T 16 | 15 55 24 | 29°43'21 | 6♍46 | 1°19 | 15°59 | 9°10 | 17° 5 | 15°47 | 25°29 | 2°14 | 5° 4 | 21°44 | 21°31 | 1°13 | 22°27 | T 16 |
| F 17 | 15 59 21 | 0♊40'41 | 18°41 | 0°45 | 16°44 | 9°13 | 17° 8 | 15°45 | 25°28 | 2°12 | 5° 3 | 21°44 | 21°28 | 1°20 | 22°29 | F 17 |
| S 18 | 16 3 17 | 1°38'01 | 0♎32 | 0°12 | 17°30 | 9°15 | 17°11 | 15°42 | 25°27 | 2°10 | 5° 3 | 21°45 | 21°25 | 1°27 | 22°30 | S 18 |
| S 19 | 16 7 14 | 2°35'19 | 12°24 | 29♉39 | 18°16 | 9°19 | 17°13 | 15°40 | 25°26 | 2° 9 | 5° 2 | 21°46 | 21°22 | 1°33 | 22°32 | S 19 |
| M20 | 16 11 11 | 3°32'36 | 24°21 | 29° 7 | 19° 4 | 9°24 | 17°15 | 15°37 | 25°25 | 2° 7 | 5° 1 | 21°47 | 21°19 | 1°40 | 22°33 | M20 |
| T 21 | 16 15 7 | 4°29'53 | 6♏26 | 28°37 | 19°52 | 9°29 | 17°18 | 15°34 | 25°23 | 2° 5 | 5° 1 | 21°48 | 21°16 | 1°47 | 22°35 | T 21 |
| W22 | 16 19 4 | 5°27'09 | 18°42 | 28° 9 | 20°40 | 9°35 | 17°20 | 15°32 | 25°22 | 2° 4 | 5° 0 | 21°R48 | 21°12 | 1°53 | 22°37 | W22 |
| T 23 | 16 23 0 | 6°24'24 | 1♐10 | 27°43 | 21°30 | 9°42 | 17°21 | 15°29 | 25°21 | 2° 2 | 4°59 | 21°48 | 21° 9 | 2° 0 | 22°38 | T 23 |
| F 24 | 16 26 57 | 7°21'38 | 13°54 | 27°21 | 22°20 | 9°49 | 17°23 | 15°26 | 25°20 | 2° 1 | 4°59 | 21°47 | 21° 6 | 2° 7 | 22°39 | F 24 |
| S 25 | 16 30 53 | 8°18'52 | 26°52 | 27° 2 | 23°11 | 9°57 | 17°24 | 15°23 | 25°18 | 1°59 | 4°58 | 21°45 | 21° 3 | 2°13 | 22°41 | S 25 |
| S 26 | 16 34 50 | 9°16'05 | 10♑ 4 | 26°47 | 24° 2 | 10° 6 | 17°26 | 15°20 | 25°17 | 1°57 | 4°58 | 21°43 | 21° 0 | 2°20 | 22°42 | S 26 |
| M27 | 16 38 47 | 10°13'18 | 23°31 | 26°36 | 24°54 | 10°15 | 17°27 | 15°16 | 25°15 | 1°56 | 4°57 | 21°41 | 20°57 | 2°27 | 22°43 | M27 |
| T 28 | 16 42 43 | 11°10'31 | 7♒10 | 26°29 | 25°47 | 10°26 | 17°27 | 15°13 | 25°14 | 1°54 | 4°57 | 21°38 | 20°53 | 2°33 | 22°45 | T 28 |
| W29 | 16 46 40 | 12° 7'43 | 21° 1 | 26°D27 | 26°40 | 10°36 | 17°28 | 15°10 | 25°12 | 1°53 | 4°56 | 21°36 | 20°50 | 2°40 | 22°46 | W29 |
| T 30 | 16 50 36 | 13° 4'55 | 5♓ 2 | 26°29 | 27°34 | 10°48 | 17°28 | 15° 7 | 25°11 | 1°51 | 4°56 | 21°35 | 20°47 | 2°47 | 22°47 | T 30 |
| F 31 | 16 54 33 | 14♊ 2'07 | 19♓11 | 26♉36 | 28♈28 | 11♎ 0 | 17♒29 | 15♑ 3 | 25♑ 9 | 1♐49 | 4♎56 | 21°D35 | 20♏44 | 2♎54 | 22♓48 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n32 | 12s46 | 5n11 | 22n46 | 1n40 | 2n50 | 0n 4 | 3s22 | 0n47 | 16s52 | 0s47 | 22s25 | 0n10 | 21s40 | 0s33 | 19s11 | 1n39 | 14n 2 | 17n39 | 18s19 | 18s27 | 3s35 | 0n39 | 4n13 |
| T 2 | 16 48 | 8 32 | 5 17 | 22 38 | 1 29 | 2 52 | 0s 5 | 3 20 | 0 44 | 16 51 | 0 47 | 22 25 | 0 10 | 21 40 | 0 33 | 19 11 | 1 39 | 14 2 | 17 38 | 18 19 | 18 26 | 3 37 | 0 40 | 4 13 |
| F 3 | 17 5 | 3 44 | 5 4 | 22 29 | 1 17 | 2 55 | 0 14 | 3 19 | 0 41 | 16 49 | 0 47 | 22 25 | 0 10 | 21 40 | 0 33 | 19 11 | 1 39 | 14 2 | 17 38 | 18 18 | 18 25 | 3 39 | 0 41 | 4 14 |
| S 4 | 17 21 | 1n21 | 4 32 | 22 17 | 1 4 | 2 59 | 0 23 | 3 18 | 0 38 | 16 48 | 0 48 | 22 25 | 0 10 | 21 40 | 0 33 | 19 10 | 1 39 | 14 3 | 17 38 | 18 18 | 18 24 | 3 41 | 0 42 | 4 14 |
| S 5 | 17 37 | 6 25 | 3 41 | 22 5 | 0 50 | 3 4 | 0 32 | 3 18 | 0 36 | 16 47 | 0 48 | 22 25 | 0 10 | 21 40 | 0 33 | 19 10 | 1 39 | 14 3 | 17 37 | 18 18 | 18 24 | 3 43 | 0 44 | 4 14 |
| M 6 | 17 53 | 11 10 | 2 36 | 21 50 | 0 36 | 3 9 | 0 40 | 3 18 | 0 33 | 16 46 | 0 48 | 22 26 | 0 10 | 21 40 | 0 33 | 19 10 | 1 39 | 14 3 | 17 37 | 18 18 | 18 23 | 3 46 | 0 45 | 4 14 |
| T 7 | 18 8 | 15 14 | 1 20 | 21 34 | 0 21 | 3 15 | 0 48 | 3 18 | 0 30 | 16 44 | 0 48 | 22 26 | 0 10 | 21 40 | 0 33 | 19 9 | 1 39 | 14 3 | 17 36 | 18 18 | 18 22 | 3 48 | 0 45 | 4 14 |
| W 8 | 18 23 | 18 18 | 0 0 | 21 16 | 0 5 | 3 22 | 0 56 | 3 18 | 0 28 | 16 43 | 0 49 | 22 26 | 0 10 | 21 41 | 0 33 | 19 9 | 1 39 | 14 3 | 17 36 | 18 18 | 18 21 | 3 50 | 0 46 | 4 14 |
| T 9 | 18 38 | 20 9 | 1s19 | 20 57 | 0s11 | 3 30 | 1 3 | 3 19 | 0 25 | 16 42 | 0 49 | 22 26 | 0 10 | 21 41 | 0 33 | 19 9 | 1 39 | 14 3 | 17 36 | 18 18 | 18 20 | 3 52 | 0 47 | 4 14 |
| F 10 | 18 52 | 20 41 | 2 31 | 20 38 | 0 28 | 3 38 | 1 10 | 3 20 | 0 23 | 16 41 | 0 49 | 22 27 | 0 10 | 21 41 | 0 33 | 19 8 | 1 39 | 14 3 | 17 35 | 18 18 | 18 19 | 3 54 | 0 48 | 4 15 |
| S 11 | 19 6 | 19 58 | 3 33 | 20 17 | 0 45 | 3 47 | 1 17 | 3 21 | 0 20 | 16 40 | 0 49 | 22 27 | 0 10 | 21 41 | 0 33 | 19 8 | 1 39 | 14 3 | 17 35 | 18 18 | 18 19 | 3 56 | 0 49 | 4 15 |
| S 12 | 19 20 | 18 10 | 4 21 | 19 55 | 1 3 | 3 57 | 1 23 | 3 23 | 0 17 | 16 39 | 0 50 | 22 27 | 0 10 | 21 41 | 0 33 | 19 8 | 1 39 | 14 3 | 17 34 | 18 18 | 18 18 | 3 59 | 0 50 | 4 15 |
| M13 | 19 34 | 15 29 | 4 55 | 19 32 | 1 20 | 4 7 | 1 30 | 3 25 | 0 15 | 16 38 | 0 50 | 22 28 | 0 9 | 21 41 | 0 33 | 19 7 | 1 39 | 14 2 | 17 34 | 18 18 | 18 17 | 4 1 | 0 51 | 4 15 |
| T 14 | 19 47 | 12 9 | 5 13 | 19 10 | 1 37 | 4 18 | 1 36 | 3 27 | 0 13 | 16 38 | 0 50 | 22 28 | 0 9 | 21 42 | 0 33 | 19 7 | 1 39 | 14 2 | 17 33 | 18 18 | 18 16 | 4 3 | 0 52 | 4 15 |
| W15 | 20 0 | 8 22 | 5 17 | 18 47 | 1 54 | 4 29 | 1 41 | 3 29 | 0 10 | 16 37 | 0 50 | 22 28 | 0 9 | 21 42 | 0 33 | 19 7 | 1 39 | 14 2 | 17 33 | 18 18 | 18 15 | 4 5 | 0 53 | 4 15 |
| T 16 | 20 12 | 4 20 | 5 6 | 18 24 | 2 11 | 4 41 | 1 47 | 3 32 | 0 8 | 16 36 | 0 51 | 22 29 | 0 9 | 21 42 | 0 33 | 19 6 | 1 39 | 14 2 | 17 32 | 18 18 | 18 15 | 4 7 | 0 54 | 4 15 |
| F 17 | 20 24 | 0 10 | 4 43 | 18 2 | 2 27 | 4 53 | 1 52 | 3 35 | 0 5 | 16 36 | 0 51 | 22 29 | 0 9 | 21 42 | 0 33 | 19 6 | 1 39 | 14 2 | 17 32 | 18 18 | 18 14 | 4 9 | 0 55 | 4 16 |
| S 18 | 20 36 | 4s 0 | 4 7 | 17 40 | 2 42 | 5 6 | 1 57 | 3 38 | 0 3 | 16 35 | 0 51 | 22 29 | 0 9 | 21 43 | 0 33 | 19 6 | 1 39 | 14 2 | 17 31 | 18 18 | 18 13 | 4 12 | 0 55 | 4 16 |
| S 19 | 20 47 | 8 1 | 3 21 | 17 19 | 2 56 | 5 19 | 2 2 | 3 42 | 0 1 | 16 35 | 0 52 | 22 30 | 0 9 | 21 43 | 0 33 | 19 5 | 1 39 | 14 2 | 17 31 | 18 18 | 18 12 | 4 14 | 0 56 | 4 16 |
| M20 | 20 59 | 11 45 | 2 26 | 16 59 | 3 9 | 5 33 | 2 7 | 3 46 | 0s 1 | 16 34 | 0 52 | 22 30 | 0 9 | 21 43 | 0 33 | 19 5 | 1 39 | 14 2 | 17 30 | 18 19 | 18 11 | 4 16 | 0 57 | 4 16 |
| T 21 | 21 9 | 15 3 | 1 24 | 16 41 | 3 21 | 5 47 | 2 11 | 3 50 | 0 4 | 16 34 | 0 52 | 22 30 | 0 9 | 21 43 | 0 33 | 19 5 | 1 39 | 14 1 | 17 30 | 18 19 | 18 10 | 4 18 | 0 58 | 4 16 |
| W22 | 21 20 | 17 45 | 0 17 | 16 24 | 3 32 | 6 2 | 2 15 | 3 54 | 0 6 | 16 33 | 0 52 | 22 31 | 0 9 | 21 44 | 0 33 | 19 5 | 1 39 | 14 1 | 17 29 | 18 19 | 18 9 | 4 20 | 0 59 | 4 16 |
| T 23 | 21 30 | 19 40 | 0n52 | 16 9 | 3 42 | 6 17 | 2 19 | 3 59 | 0 8 | 16 33 | 0 53 | 22 31 | 0 9 | 21 44 | 0 33 | 19 4 | 1 39 | 14 1 | 17 29 | 18 19 | 18 9 | 4 22 | 0 59 | 4 17 |
| F 24 | 21 39 | 20 37 | 1 59 | 15 56 | 3 51 | 6 32 | 2 23 | 4 4 | 0 10 | 16 33 | 0 53 | 22 32 | 0 9 | 21 44 | 0 33 | 19 4 | 1 39 | 14 1 | 17 28 | 18 19 | 18 8 | 4 24 | 1 0 | 4 17 |
| S 25 | 21 49 | 20 30 | 3 2 | 15 45 | 3 58 | 6 47 | 2 26 | 4 9 | 0 12 | 16 33 | 0 53 | 22 32 | 0 9 | 21 44 | 0 33 | 19 4 | 1 39 | 14 0 | 17 28 | 18 18 | 18 7 | 4 27 | 1 1 | 4 17 |
| S 26 | 21 58 | 19 16 | 3 56 | 15 35 | 4 4 | 7 3 | 2 30 | 4 14 | 0 14 | 16 33 | 0 53 | 22 33 | 0 8 | 21 45 | 0 33 | 19 3 | 1 39 | 14 0 | 17 27 | 18 18 | 18 6 | 4 29 | 1 1 | 4 17 |
| M27 | 22 6 | 16 57 | 4 38 | 15 29 | 4 8 | 7 19 | 2 33 | 4 20 | 0 16 | 16 33 | 0 54 | 22 33 | 0 8 | 21 45 | 0 33 | 19 3 | 1 39 | 14 0 | 17 27 | 18 17 | 18 5 | 4 31 | 1 2 | 4 17 |
| T 28 | 22 14 | 13 39 | 5 5 | 15 24 | 4 11 | 7 36 | 2 36 | 4 26 | 0 18 | 16 33 | 0 54 | 22 33 | 0 8 | 21 45 | 0 34 | 19 3 | 1 39 | 14 0 | 17 26 | 18 16 | 18 4 | 4 33 | 1 3 | 4 18 |
| W29 | 22 22 | 9 35 | 5 15 | 15 21 | 4 13 | 7 53 | 2 38 | 4 32 | 0 20 | 16 33 | 0 54 | 22 34 | 0 8 | 21 46 | 0 34 | 19 2 | 1 39 | 13 59 | 17 26 | 18 16 | 18 4 | 4 35 | 1 3 | 4 18 |
| T 30 | 22 29 | 4 58 | 5 6 | 15 21 | 4 14 | 8 10 | 2 41 | 4 38 | 0 22 | 16 33 | 0 55 | 22 34 | 0 8 | 21 46 | 0 34 | 19 2 | 1 39 | 13 59 | 17 25 | 18 16 | 18 3 | 4 37 | 1 4 | 4 18 |
| F 31 | 22n36 | 0s 1 | 4n39 | 15n23 | 4s14 | 8n27 | 2s43 | 4s45 | 0s24 | 16s33 | 0s55 | 22s35 | 0n 8 | 21s46 | 0s34 | 19s 2 | 1n39 | 13n58 | 17n25 | 18s16 | 18s 2 | 4s39 | 1n 5 | 4n18 |

Julian Day Number = 2082410.5, Delta T = 25m16s
Ecliptic obliquity = 23°34'07, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'15, Lahiri = 9°46'15 Julian Calendar 1 May 989 == Greg. Calendar 6 May 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## JUNE 989 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 58 29 | 14♊59'18 | 3♈26 | 26♉47 | 29♈23 | 11♎13 | 17°R29 | 15°R 0 | 25°R 8 | 1°R48 | 4°R55 | 21♏36 | 20♏41 | 3♎ 0 | 22♓49 | S 1 |
| S 2 | 17 2 26 | 15°56'30 | 17°45 | 27° 3 | 0♉18 | 11°26 | 17♒29 | 14♑56 | 25♑ 6 | 1♐46 | 4♎55 | 21°37 | 20°37 | 3° 7 | 22°50 | S 2 |
| M 3 | 17 6 22 | 16°53'42 | 2♉ 6 | 27°24 | 1°14 | 11°40 | 17°28 | 14°53 | 25° 4 | 1°45 | 4°55 | 21°39 | 20°34 | 3°14 | 22°51 | M 3 |
| T 4 | 17 10 19 | 17°50'54 | 16°24 | 27°50 | 2°11 | 11°54 | 17°28 | 14°49 | 25° 3 | 1°43 | 4°55 | 21°R40 | 20°31 | 3°20 | 22°52 | T 4 |
| W 5 | 17 14 16 | 18°48'05 | 0♊35 | 28°20 | 3° 7 | 12° 9 | 17°27 | 14°45 | 25° 1 | 1°42 | 4°55 | 21°39 | 20°28 | 3°27 | 22°53 | W 5 |
| T 6 | 17 18 12 | 19°45'17 | 14°36 | 28°55 | 4° 4 | 12°25 | 17°26 | 14°42 | 24°59 | 1°40 | 4°54 | 21°38 | 20°25 | 3°34 | 22°54 | T 6 |
| F 7 | 17 22 9 | 20°42'28 | 28°23 | 29°34 | 5° 2 | 12°41 | 17°25 | 14°38 | 24°57 | 1°39 | 4°54 | 21°35 | 20°22 | 3°40 | 22°54 | F 7 |
| S 8 | 17 26 5 | 21°39'39 | 11♋53 | 0♊18 | 6° 0 | 12°58 | 17°24 | 14°34 | 24°55 | 1°37 | 4°54 | 21°31 | 20°18 | 3°47 | 22°55 | S 8 |
| S 9 | 17 30 2 | 22°36'50 | 25° 3 | 1° 6 | 6°58 | 13°16 | 17°22 | 14°30 | 24°54 | 1°36 | 4°54 | 21°26 | 20°15 | 3°54 | 22°56 | S 9 |
| M10 | 17 33 58 | 23°34'01 | 7♌54 | 1°58 | 7°57 | 13°33 | 17°21 | 14°26 | 24°52 | 1°34 | 4°D54 | 21°21 | 20°12 | 4° 0 | 22°56 | M10 |
| T 11 | 17 37 55 | 24°31'11 | 20°27 | 2°55 | 8°56 | 13°52 | 17°19 | 14°22 | 24°50 | 1°33 | 4°54 | 21°17 | 20° 9 | 4° 7 | 22°57 | T 11 |
| W12 | 17 41 51 | 25°28'21 | 2♍43 | 3°56 | 9°56 | 14°11 | 17°17 | 14°18 | 24°48 | 1°31 | 4°54 | 21°13 | 20° 6 | 4°14 | 22°57 | W12 |
| T 13 | 17 45 48 | 26°25'31 | 14°46 | 5° 2 | 10°55 | 14°30 | 17°14 | 14°14 | 24°46 | 1°30 | 4°54 | 21°11 | 20° 3 | 4°20 | 22°58 | T 13 |
| F 14 | 17 49 45 | 27°22'40 | 26°41 | 6°11 | 11°55 | 14°50 | 17°12 | 14°10 | 24°44 | 1°28 | 4°55 | 21°D10 | 19°59 | 4°27 | 22°58 | F 14 |
| S 15 | 17 53 41 | 28°19'50 | 8♎32 | 7°24 | 12°56 | 15°11 | 17° 9 | 14° 6 | 24°42 | 1°27 | 4°55 | 21°11 | 19°56 | 4°34 | 22°58 | S 15 |
| S 16 | 17 57 38 | 29°16'59 | 20°25 | 8°42 | 13°56 | 15°32 | 17° 7 | 14° 1 | 24°40 | 1°26 | 4°55 | 21°12 | 19°53 | 4°41 | 22°58 | S 16 |
| M17 | 18 1 34 | 0♋14'08 | 2♏23 | 10° 3 | 14°57 | 15°53 | 17° 4 | 13°57 | 24°37 | 1°24 | 4°55 | 21°14 | 19°50 | 4°47 | 22°59 | M17 |
| T 18 | 18 5 31 | 1°11'17 | 14°32 | 11°29 | 15°59 | 16°15 | 17° 0 | 13°53 | 24°35 | 1°23 | 4°55 | 21°15 | 19°47 | 4°54 | 22°59 | T 18 |
| W19 | 18 9 27 | 2° 8'26 | 26°56 | 12°58 | 17° 0 | 16°37 | 16°57 | 13°49 | 24°33 | 1°22 | 4°56 | 21°R15 | 19°43 | 5° 1 | 22°59 | W19 |
| T 20 | 18 13 24 | 3° 5'35 | 9♐38 | 14°31 | 18° 2 | 17° 0 | 16°53 | 13°44 | 24°31 | 1°20 | 4°56 | 21°13 | 19°40 | 5° 7 | 22°59 | T 20 |
| F 21 | 18 17 20 | 4° 2'45 | 22°38 | 16° 8 | 19° 4 | 17°23 | 16°50 | 13°40 | 24°29 | 1°19 | 4°56 | 21°10 | 19°37 | 5°14 | 22°R59 | F 21 |
| S 22 | 18 21 17 | 4°59'54 | 5♑58 | 17°48 | 20° 7 | 17°47 | 16°46 | 13°36 | 24°27 | 1°18 | 4°57 | 21° 5 | 19°34 | 5°21 | 22°59 | S 22 |
| S 23 | 18 25 14 | 5°57'04 | 19°36 | 19°32 | 21°10 | 18°11 | 16°42 | 13°31 | 24°24 | 1°16 | 4°57 | 20°58 | 19°31 | 5°27 | 22°59 | S 23 |
| M24 | 18 29 10 | 6°54'14 | 3♒29 | 21°19 | 22°13 | 18°35 | 16°38 | 13°27 | 24°22 | 1°15 | 4°58 | 20°51 | 19°28 | 5°34 | 22°59 | M24 |
| T 25 | 18 33 7 | 7°51'25 | 17°33 | 23° 9 | 23°16 | 19° 0 | 16°33 | 13°23 | 24°20 | 1°14 | 4°58 | 20°44 | 19°24 | 5°41 | 22°59 | T 25 |
| W26 | 18 37 3 | 8°48'37 | 1♓45 | 25° 2 | 24°19 | 19°25 | 16°29 | 13°18 | 24°18 | 1°13 | 4°59 | 20°38 | 19°21 | 5°47 | 22°58 | W26 |
| T 27 | 18 41 0 | 9°45'49 | 15°59 | 26°58 | 25°23 | 19°50 | 16°24 | 13°14 | 24°15 | 1°12 | 4°59 | 20°34 | 19°18 | 5°54 | 22°58 | T 27 |
| F 28 | 18 44 56 | 10°43'01 | 0♈13 | 28°56 | 26°27 | 20°16 | 16°19 | 13° 9 | 24°13 | 1°10 | 5° 0 | 20°31 | 19°15 | 6° 1 | 22°58 | F 28 |
| S 29 | 18 48 53 | 11°40'15 | 14°25 | 0♋57 | 27°31 | 20°43 | 16°14 | 13° 5 | 24°11 | 1° 9 | 5° 1 | 20°D31 | 19°12 | 6° 7 | 22°57 | S 29 |
| S 30 | 18 52 49 | 12♋37'30 | 28♈31 | 2♋59 | 28♉35 | 21♎ 9 | 16♒ 9 | 13♑ 0 | 24♑ 8 | 1♐ 8 | 5♎ 1 | 20♏32 | 19♏ 8 | 6♎14 | 22♓57 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n43 | 4n58 | 3n55 | 15n27 | 4s12 | 8n44 | 2s45 | 4s51 | 0s26 | 16s33 | 0s55 | 22s35 | 0n 8 | 21s46 | 0s34 | 19s 1 | 1n38 | 13n58 | 17n24 | 18s16 | 18s 1 | 4s41 | 1n 5 | 4n18 |
| S 2 | 22 49 | 9 42 | 2 56 | 15 34 | 4 9 | 9 2 | 2 47 | 4 58 | 0 28 | 16 33 | 0 55 | 22 36 | 0 8 | 21 47 | 0 34 | 19 1 | 1 38 | 13 58 | 17 24 | 18 16 | 18 0 | 4 44 | 1 6 | 4 18 |
| M 3 | 22 55 | 13 55 | 1 46 | 15 42 | 4 6 | 9 19 | 2 49 | 5 5 | 0 30 | 16 34 | 0 56 | 22 36 | 0 8 | 21 47 | 0 34 | 19 1 | 1 38 | 13 57 | 17 23 | 18 16 | 17 59 | 4 46 | 1 6 | 4 19 |
| T 4 | 23 1 | 17 17 | 0 29 | 15 52 | 4 1 | 9 37 | 2 51 | 5 13 | 0 31 | 16 34 | 0 56 | 22 37 | 0 8 | 21 47 | 0 34 | 19 1 | 1 38 | 13 57 | 17 23 | 18 17 | 17 59 | 4 48 | 1 7 | 4 19 |
| W 5 | 23 6 | 19 35 | 0s49 | 16 4 | 3 55 | 9 55 | 2 52 | 5 20 | 0 33 | 16 35 | 0 56 | 22 37 | 0 8 | 21 48 | 0 34 | 19 0 | 1 38 | 13 56 | 17 22 | 18 17 | 17 58 | 4 50 | 1 7 | 4 19 |
| T 6 | 23 10 | 20 39 | 2 3 | 16 18 | 3 49 | 10 13 | 2 54 | 5 28 | 0 35 | 16 35 | 0 57 | 22 38 | 0 8 | 21 48 | 0 34 | 19 0 | 1 38 | 13 56 | 17 21 | 18 16 | 17 57 | 4 52 | 1 8 | 4 19 |
| F 7 | 23 14 | 20 26 | 3 8 | 16 34 | 3 42 | 10 31 | 2 55 | 5 36 | 0 36 | 16 36 | 0 57 | 22 38 | 0 7 | 21 48 | 0 34 | 19 0 | 1 38 | 13 56 | 17 21 | 18 15 | 17 56 | 4 54 | 1 8 | 4 19 |
| S 8 | 23 18 | 19 2 | 4 1 | 16 51 | 3 33 | 10 50 | 2 56 | 5 44 | 0 38 | 16 37 | 0 57 | 22 39 | 0 7 | 21 49 | 0 34 | 18 59 | 1 38 | 13 55 | 17 20 | 18 14 | 17 55 | 4 56 | 1 9 | 4 20 |
| S 9 | 23 22 | 16 39 | 4 40 | 17 9 | 3 25 | 11 8 | 2 57 | 5 52 | 0 40 | 16 37 | 0 57 | 22 39 | 0 7 | 21 49 | 0 34 | 18 59 | 1 38 | 13 55 | 17 20 | 18 13 | 17 54 | 4 58 | 1 9 | 4 20 |
| M10 | 23 25 | 13 30 | 5 4 | 17 29 | 3 15 | 11 26 | 2 57 | 6 1 | 0 41 | 16 38 | 0 58 | 22 40 | 0 7 | 21 50 | 0 34 | 18 59 | 1 38 | 13 54 | 17 19 | 18 12 | 17 53 | 5 1 | 1 9 | 4 20 |
| T 11 | 23 27 | 9 49 | 5 12 | 17 49 | 3 6 | 11 45 | 2 58 | 6 9 | 0 43 | 16 39 | 0 58 | 22 40 | 0 7 | 21 50 | 0 34 | 18 59 | 1 38 | 13 54 | 17 19 | 18 11 | 17 53 | 5 3 | 1 10 | 4 20 |
| W12 | 23 29 | 5 48 | 5 6 | 18 11 | 2 55 | 12 3 | 2 58 | 6 18 | 0 44 | 16 40 | 0 58 | 22 41 | 0 7 | 21 50 | 0 34 | 18 58 | 1 38 | 13 53 | 17 18 | 18 10 | 17 52 | 5 5 | 1 10 | 4 20 |
| T 13 | 23 31 | 1 38 | 4 46 | 18 34 | 2 44 | 12 21 | 2 59 | 6 27 | 0 46 | 16 41 | 0 58 | 22 41 | 0 7 | 21 51 | 0 34 | 18 58 | 1 38 | 13 52 | 17 17 | 18 9 | 17 51 | 5 7 | 1 10 | 4 20 |
| F 14 | 23 33 | 2s34 | 4 14 | 18 57 | 2 33 | 12 40 | 2 59 | 6 36 | 0 47 | 16 42 | 0 59 | 22 42 | 0 7 | 21 51 | 0 34 | 18 58 | 1 38 | 13 52 | 17 17 | 18 9 | 17 50 | 5 9 | 1 11 | 4 21 |
| S 15 | 23 33 | 6 38 | 3 32 | 19 21 | 2 21 | 12 58 | 2 59 | 6 46 | 0 49 | 16 43 | 0 59 | 22 42 | 0 7 | 21 51 | 0 34 | 18 58 | 1 38 | 13 51 | 17 16 | 18 9 | 17 49 | 5 11 | 1 11 | 4 21 |
| S 16 | 23 34 | 10 29 | 2 40 | 19 45 | 2 9 | 13 16 | 2 58 | 6 55 | 0 50 | 16 44 | 0 59 | 22 43 | 0 7 | 21 52 | 0 34 | 18 57 | 1 38 | 13 51 | 17 16 | 18 9 | 17 48 | 5 13 | 1 11 | 4 21 |
| M17 | 23 34 | 13 57 | 1 41 | 20 9 | 1 57 | 13 34 | 2 58 | 7 5 | 0 52 | 16 45 | 1 0 | 22 43 | 0 7 | 21 52 | 0 34 | 18 57 | 1 38 | 13 50 | 17 15 | 18 10 | 17 47 | 5 15 | 1 12 | 4 21 |
| T 18 | 23 34 | 16 52 | 0 36 | 20 34 | 1 44 | 13 52 | 2 58 | 7 14 | 0 53 | 16 46 | 1 0 | 22 44 | 0 7 | 21 53 | 0 34 | 18 57 | 1 38 | 13 49 | 17 15 | 18 10 | 17 47 | 5 17 | 1 12 | 4 21 |
| W19 | 23 33 | 19 5 | 0n31 | 20 58 | 1 32 | 14 10 | 2 57 | 7 24 | 0 54 | 16 48 | 1 0 | 22 44 | 0 6 | 21 53 | 0 34 | 18 57 | 1 38 | 13 49 | 17 14 | 18 10 | 17 46 | 5 19 | 1 12 | 4 22 |
| T 20 | 23 32 | 20 24 | 1 38 | 21 22 | 1 19 | 14 28 | 2 57 | 7 34 | 0 56 | 16 49 | 1 0 | 22 45 | 0 6 | 21 53 | 0 34 | 18 56 | 1 38 | 13 48 | 17 14 | 18 10 | 17 45 | 5 22 | 1 12 | 4 22 |
| F 21 | 23 30 | 20 40 | 2 42 | 21 45 | 1 6 | 14 46 | 2 56 | 7 44 | 0 57 | 16 50 | 1 1 | 22 45 | 0 6 | 21 54 | 0 34 | 18 56 | 1 38 | 13 48 | 17 13 | 18 9 | 17 44 | 5 24 | 1 12 | 4 22 |
| S 22 | 23 28 | 19 48 | 3 38 | 22 7 | 0 53 | 15 3 | 2 55 | 7 55 | 0 58 | 16 52 | 1 1 | 22 46 | 0 6 | 21 54 | 0 34 | 18 56 | 1 38 | 13 47 | 17 12 | 18 7 | 17 43 | 5 26 | 1 13 | 4 22 |
| S 23 | 23 26 | 17 47 | 4 23 | 22 29 | 0 40 | 15 21 | 2 54 | 8 5 | 1 0 | 16 53 | 1 1 | 22 47 | 0 6 | 21 55 | 0 34 | 18 56 | 1 38 | 13 46 | 17 12 | 18 6 | 17 42 | 5 28 | 1 13 | 4 22 |
| M24 | 23 23 | 14 43 | 4 54 | 22 49 | 0 28 | 15 38 | 2 53 | 8 16 | 1 1 | 16 55 | 1 1 | 22 47 | 0 6 | 21 55 | 0 34 | 18 56 | 1 38 | 13 45 | 17 11 | 18 4 | 17 41 | 5 30 | 1 13 | 4 22 |
| T 25 | 23 20 | 10 46 | 5 7 | 23 8 | 0 16 | 15 55 | 2 52 | 8 26 | 1 2 | 16 56 | 1 2 | 22 48 | 0 6 | 21 56 | 0 34 | 18 55 | 1 38 | 13 45 | 17 11 | 18 2 | 17 41 | 5 32 | 1 13 | 4 23 |
| W26 | 23 16 | 6 12 | 5 2 | 23 25 | 0 4 | 16 12 | 2 50 | 8 37 | 1 3 | 16 58 | 1 2 | 22 48 | 0 6 | 21 56 | 0 34 | 18 55 | 1 38 | 13 44 | 17 10 | 18 0 | 17 40 | 5 34 | 1 13 | 4 23 |
| T 27 | 23 12 | 1 17 | 4 38 | 23 40 | 0n 8 | 16 29 | 2 49 | 8 48 | 1 4 | 17 0 | 1 2 | 22 49 | 0 6 | 21 56 | 0 34 | 18 55 | 1 38 | 13 43 | 17 10 | 17 59 | 17 39 | 5 36 | 1 13 | 4 23 |
| F 28 | 23 8 | 3n43 | 3 57 | 23 53 | 0 19 | 16 45 | 2 47 | 8 59 | 1 6 | 17 1 | 1 2 | 22 49 | 0 6 | 21 57 | 0 34 | 18 55 | 1 38 | 13 43 | 17 9 | 17 59 | 17 38 | 5 38 | 1 13 | 4 23 |
| S 29 | 23 3 | 8 30 | 3 2 | 24 4 | 0 30 | 17 1 | 2 46 | 9 10 | 1 7 | 17 3 | 1 3 | 22 50 | 0 6 | 21 57 | 0 34 | 18 55 | 1 38 | 13 42 | 17 8 | 17 58 | 17 37 | 5 40 | 1 13 | 4 23 |
| S 30 | 22n58 | 12n48 | 1n56 | 24n12 | 0n40 | 17n17 | 2s44 | 9s21 | 1s 8 | 17s 5 | 1s 3 | 22s50 | 0n 6 | 21s58 | 0s34 | 18s54 | 1n38 | 13n41 | 17n 8 | 17s59 | 17s36 | 5s42 | 1n13 | 4n24 |

Julian Day Number = 2082441.5, Delta T = 25m16s
Ecliptic obliquity = 23°34'06, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'19, Lahiri = 9°46'20 Julian Calendar 1 June 989 == Greg. Calendar 6 June 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## JULY 989 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 56 46 | 13♋34'45 | 12♉32 | 5♋ 3 | 29♉40 | 21♎36 | 16°R 3 | 12°R56 | 24°R 6 | 1°R 7 | 5♎ 2 | 20♏32 | 19♏ 5 | 6♎21 | 22°R56 | M 1 |
| T 2 | 19 0 43 | 14°32'02 | 26°26 | 7° 8 | 0♊45 | 22° 4 | 15♒58 | 12♑52 | 24♑ 4 | 1♐ 6 | 5° 3 | 20°R33 | 19° 2 | 6°27 | 22♓56 | T 2 |
| W 3 | 19 4 39 | 15°29'19 | 10♊12 | 9°14 | 1°49 | 22°31 | 15°52 | 12°47 | 24° 1 | 1° 5 | 5° 3 | 20°31 | 18°59 | 6°34 | 22°55 | W 3 |
| T 4 | 19 8 36 | 16°26'37 | 23°48 | 11°21 | 2°55 | 22°59 | 15°46 | 12°43 | 23°59 | 1° 4 | 5° 4 | 20°27 | 18°56 | 6°41 | 22°54 | T 4 |
| F 5 | 19 12 32 | 17°23'56 | 7♋13 | 13°28 | 4° 0 | 23°28 | 15°41 | 12°38 | 23°57 | 1° 3 | 5° 5 | 20°20 | 18°53 | 6°48 | 22°54 | F 5 |
| S 6 | 19 16 29 | 18°21'16 | 20°25 | 15°35 | 5° 6 | 23°57 | 15°34 | 12°34 | 23°54 | 1° 2 | 5° 6 | 20°12 | 18°49 | 6°54 | 22°53 | S 6 |
| S 7 | 19 20 25 | 19°18'36 | 3♌22 | 17°42 | 6°11 | 24°26 | 15°28 | 12°29 | 23°52 | 1° 1 | 5° 7 | 20° 2 | 18°46 | 7° 1 | 22°52 | S 7 |
| M 8 | 19 24 22 | 20°15'58 | 16° 4 | 19°48 | 7°17 | 24°55 | 15°22 | 12°25 | 23°49 | 1° 0 | 5° 8 | 19°51 | 18°43 | 7° 8 | 22°51 | M 8 |
| T 9 | 19 28 18 | 21°13'20 | 28°30 | 21°54 | 8°23 | 25°25 | 15°16 | 12°21 | 23°47 | 0°59 | 5° 9 | 19°41 | 18°40 | 7°14 | 22°50 | T 9 |
| W10 | 19 32 15 | 22°10'42 | 10♍43 | 23°58 | 9°29 | 25°55 | 15° 9 | 12°16 | 23°45 | 0°58 | 5°10 | 19°33 | 18°37 | 7°21 | 22°49 | W10 |
| T 11 | 19 36 12 | 23° 8'05 | 22°44 | 26° 2 | 10°36 | 26°25 | 15° 2 | 12°12 | 23°42 | 0°57 | 5°11 | 19°26 | 18°34 | 7°28 | 22°48 | T 11 |
| F 12 | 19 40 8 | 24° 5'29 | 4♎37 | 28° 5 | 11°42 | 26°55 | 14°55 | 12° 8 | 23°40 | 0°57 | 5°12 | 19°22 | 18°30 | 7°34 | 22°47 | F 12 |
| S 13 | 19 44 5 | 25° 2'54 | 16°27 | 0♌ 6 | 12°49 | 27°26 | 14°49 | 12° 3 | 23°37 | 0°56 | 5°13 | 19°20 | 18°27 | 7°41 | 22°46 | S 13 |
| S 14 | 19 48 1 | 26° 0'19 | 28°18 | 2° 6 | 13°56 | 27°57 | 14°42 | 11°59 | 23°35 | 0°55 | 5°14 | 19°D20 | 18°24 | 7°48 | 22°45 | S 14 |
| M15 | 19 51 58 | 26°57'46 | 10♏16 | 4° 4 | 15° 3 | 28°29 | 14°34 | 11°55 | 23°33 | 0°54 | 5°15 | 19°20 | 18°21 | 7°54 | 22°44 | M15 |
| T 16 | 19 55 54 | 27°55'13 | 22°26 | 6° 1 | 16°10 | 29° 0 | 14°27 | 11°51 | 23°30 | 0°54 | 5°16 | 19°R20 | 18°18 | 8° 1 | 22°42 | T 16 |
| W17 | 19 59 51 | 28°52'41 | 4♐53 | 7°57 | 17°17 | 29°32 | 14°20 | 11°47 | 23°28 | 0°53 | 5°18 | 19°19 | 18°14 | 8° 8 | 22°41 | W17 |
| T 18 | 20 3 47 | 29°50'09 | 17°42 | 9°51 | 18°25 | 0♏ 5 | 14°13 | 11°43 | 23°26 | 0°52 | 5°19 | 19°16 | 18°11 | 8°14 | 22°40 | T 18 |
| F 19 | 20 7 44 | 0♌47'39 | 0♑54 | 11°44 | 19°33 | 0°37 | 14° 5 | 11°39 | 23°23 | 0°52 | 5°20 | 19°11 | 18° 8 | 8°21 | 22°38 | F 19 |
| S 20 | 20 11 41 | 1°45'10 | 14°30 | 13°35 | 20°40 | 1°10 | 13°58 | 11°35 | 23°21 | 0°51 | 5°21 | 19° 3 | 18° 5 | 8°28 | 22°37 | S 20 |
| S 21 | 20 15 37 | 2°42'42 | 28°30 | 15°24 | 21°48 | 1°43 | 13°50 | 11°31 | 23°18 | 0°50 | 5°23 | 18°53 | 18° 2 | 8°34 | 22°36 | S 21 |
| M22 | 20 19 34 | 3°40'15 | 12♒48 | 17°12 | 22°56 | 2°16 | 13°43 | 11°27 | 23°16 | 0°50 | 5°24 | 18°42 | 17°59 | 8°41 | 22°34 | M22 |
| T 23 | 20 23 30 | 4°37'49 | 27°20 | 18°59 | 24° 4 | 2°49 | 13°35 | 11°23 | 23°14 | 0°49 | 5°25 | 18°31 | 17°55 | 8°48 | 22°32 | T 23 |
| W24 | 20 27 27 | 5°35'24 | 11♓57 | 20°44 | 25°13 | 3°23 | 13°27 | 11°19 | 23°11 | 0°49 | 5°27 | 18°22 | 17°52 | 8°54 | 22°31 | W24 |
| T 25 | 20 31 23 | 6°33'01 | 26°33 | 22°27 | 26°21 | 3°57 | 13°20 | 11°15 | 23° 9 | 0°49 | 5°28 | 18°15 | 17°49 | 9° 1 | 22°29 | T 25 |
| F 26 | 20 35 20 | 7°30'40 | 11♈ 2 | 24° 9 | 27°30 | 4°31 | 13°12 | 11°11 | 23° 7 | 0°48 | 5°30 | 18°11 | 17°46 | 9° 8 | 22°27 | F 26 |
| S 27 | 20 39 16 | 8°28'20 | 25°20 | 25°50 | 28°39 | 5° 5 | 13° 4 | 11° 8 | 23° 5 | 0°48 | 5°31 | 18° 9 | 17°43 | 9°14 | 22°26 | S 27 |
| S 28 | 20 43 13 | 9°26'02 | 9♉25 | 27°29 | 29°47 | 5°40 | 12°56 | 11° 4 | 23° 2 | 0°47 | 5°33 | 18° 8 | 17°40 | 9°21 | 22°24 | S 28 |
| M29 | 20 47 10 | 10°23'46 | 23°16 | 29° 7 | 0♋56 | 6°15 | 12°48 | 11° 0 | 23° 0 | 0°47 | 5°34 | 18° 8 | 17°36 | 9°28 | 22°22 | M29 |
| T 30 | 20 51 6 | 11°21'31 | 6♊55 | 0♍43 | 2° 5 | 6°50 | 12°40 | 10°57 | 22°58 | 0°47 | 5°36 | 18° 7 | 17°33 | 9°34 | 22°20 | T 30 |
| W31 | 20 55 3 | 12♌19'18 | 20♊20 | 2♍18 | 3♋15 | 7♏25 | 12♒33 | 10♑53 | 22♑56 | 0♐46 | 5♎37 | 18♏ 4 | 17♏30 | 9♎41 | 22♓18 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n52 | 16n22 | 0n43 | 24n18 | 0n50 | 17n33 | 2s42 | 9s32 | 1s 9 | 17s 7 | 1s 3 | 22s51 | 0n 5 | 21s58 | 0s34 | 18s54 | 1n38 | 13n40 | 17n 7 | 17s59 | 17s35 | 5s44 | 1n13 | 4n24 |
| T 2 | 22 46 | 18 57 | 0s32 | 24 21 | 0 59 | 17 48 | 2 40 | 9 43 | 1 10 | 17 9 | 1 3 | 22 51 | 0 5 | 21 58 | 0 34 | 18 54 | 1 37 | 13 39 | 17 7 | 17 59 | 17 34 | 5 47 | 1 13 | 4 24 |
| W 3 | 22 40 | 20 24 | 1 43 | 24 21 | 1 7 | 18 3 | 2 38 | 9 55 | 1 11 | 17 11 | 1 4 | 22 52 | 0 5 | 21 59 | 0 34 | 18 54 | 1 37 | 13 39 | 17 6 | 17 58 | 17 34 | 5 49 | 1 13 | 4 24 |
| T 4 | 22 33 | 20 37 | 2 48 | 24 19 | 1 14 | 18 18 | 2 36 | 10 6 | 1 12 | 17 13 | 1 4 | 22 52 | 0 5 | 21 59 | 0 34 | 18 54 | 1 37 | 13 38 | 17 6 | 17 57 | 17 33 | 5 51 | 1 13 | 4 24 |
| F 5 | 22 26 | 19 40 | 3 43 | 24 14 | 1 21 | 18 32 | 2 34 | 10 18 | 1 13 | 17 15 | 1 4 | 22 53 | 0 5 | 22 0 | 0 34 | 18 53 | 1 37 | 13 37 | 17 5 | 17 56 | 17 32 | 5 53 | 1 13 | 4 24 |
| S 6 | 22 18 | 17 39 | 4 25 | 24 6 | 1 27 | 18 46 | 2 32 | 10 29 | 1 14 | 17 17 | 1 4 | 22 53 | 0 5 | 22 0 | 0 34 | 18 53 | 1 37 | 13 36 | 17 5 | 17 53 | 17 31 | 5 55 | 1 12 | 4 25 |
| S 7 | 22 10 | 14 47 | 4 51 | 23 55 | 1 32 | 19 0 | 2 29 | 10 41 | 1 15 | 17 19 | 1 5 | 22 54 | 0 5 | 22 1 | 0 34 | 18 53 | 1 37 | 13 35 | 17 4 | 17 51 | 17 30 | 5 57 | 1 12 | 4 25 |
| M 8 | 22 2 | 11 17 | 5 3 | 23 41 | 1 37 | 19 14 | 2 27 | 10 53 | 1 16 | 17 21 | 1 5 | 22 54 | 0 5 | 22 1 | 0 34 | 18 53 | 1 37 | 13 34 | 17 3 | 17 48 | 17 29 | 5 59 | 1 12 | 4 25 |
| T 9 | 21 53 | 7 21 | 5 1 | 23 26 | 1 40 | 19 27 | 2 25 | 11 4 | 1 17 | 17 23 | 1 5 | 22 55 | 0 5 | 22 1 | 0 34 | 18 53 | 1 37 | 13 34 | 17 3 | 17 45 | 17 28 | 6 1 | 1 12 | 4 25 |
| W10 | 21 44 | 3 13 | 4 44 | 23 7 | 1 43 | 19 39 | 2 22 | 11 16 | 1 18 | 17 25 | 1 5 | 22 55 | 0 5 | 22 2 | 0 34 | 18 53 | 1 37 | 13 33 | 17 2 | 17 43 | 17 27 | 6 3 | 1 12 | 4 25 |
| T 11 | 21 34 | 1s 0 | 4 15 | 22 47 | 1 45 | 19 51 | 2 20 | 11 28 | 1 19 | 17 27 | 1 5 | 22 56 | 0 5 | 22 2 | 0 34 | 18 53 | 1 37 | 13 32 | 17 2 | 17 41 | 17 27 | 6 5 | 1 11 | 4 25 |
| F 12 | 21 25 | 5 8 | 3 35 | 22 24 | 1 47 | 20 3 | 2 17 | 11 40 | 1 20 | 17 30 | 1 6 | 22 56 | 0 4 | 22 3 | 0 34 | 18 53 | 1 37 | 13 31 | 17 1 | 17 40 | 17 26 | 6 7 | 1 11 | 4 26 |
| S 13 | 21 14 | 9 3 | 2 46 | 21 59 | 1 47 | 20 14 | 2 14 | 11 52 | 1 21 | 17 32 | 1 6 | 22 57 | 0 4 | 22 3 | 0 34 | 18 52 | 1 37 | 13 30 | 17 1 | 17 39 | 17 25 | 6 9 | 1 11 | 4 26 |
| S 14 | 21 4 | 12 38 | 1 50 | 21 33 | 1 47 | 20 25 | 2 11 | 12 4 | 1 21 | 17 34 | 1 6 | 22 57 | 0 4 | 22 4 | 0 34 | 18 52 | 1 37 | 13 29 | 17 0 | 17 39 | 17 24 | 6 11 | 1 11 | 4 26 |
| M15 | 20 53 | 15 44 | 0 48 | 21 4 | 1 47 | 20 36 | 2 9 | 12 16 | 1 22 | 17 36 | 1 6 | 22 58 | 0 4 | 22 4 | 0 34 | 18 52 | 1 37 | 13 28 | 17 0 | 17 39 | 17 23 | 6 13 | 1 10 | 4 26 |
| T 16 | 20 41 | 18 13 | 0n17 | 20 34 | 1 46 | 20 46 | 2 6 | 12 28 | 1 23 | 17 39 | 1 6 | 22 58 | 0 4 | 22 4 | 0 34 | 18 52 | 1 37 | 13 27 | 16 59 | 17 39 | 17 22 | 6 15 | 1 10 | 4 26 |
| W17 | 20 30 | 19 53 | 1 22 | 20 3 | 1 44 | 20 55 | 2 3 | 12 41 | 1 24 | 17 41 | 1 7 | 22 59 | 0 4 | 22 5 | 0 34 | 18 52 | 1 37 | 13 26 | 16 59 | 17 39 | 17 21 | 6 17 | 1 9 | 4 26 |
| T 18 | 20 18 | 20 36 | 2 25 | 19 30 | 1 42 | 21 4 | 2 0 | 12 53 | 1 25 | 17 43 | 1 7 | 22 59 | 0 4 | 22 5 | 0 34 | 18 52 | 1 37 | 13 25 | 16 58 | 17 38 | 17 20 | 6 19 | 1 9 | 4 27 |
| F 19 | 20 5 | 20 12 | 3 22 | 18 57 | 1 39 | 21 13 | 1 57 | 13 5 | 1 25 | 17 46 | 1 7 | 23 0 | 0 4 | 22 6 | 0 34 | 18 52 | 1 37 | 13 24 | 16 58 | 17 37 | 17 19 | 6 21 | 1 9 | 4 27 |
| S 20 | 19 53 | 18 39 | 4 9 | 18 22 | 1 35 | 21 21 | 1 54 | 13 17 | 1 26 | 17 48 | 1 7 | 23 0 | 0 4 | 22 6 | 0 34 | 18 52 | 1 37 | 13 23 | 16 57 | 17 35 | 17 19 | 6 23 | 1 8 | 4 27 |
| S 21 | 19 40 | 15 57 | 4 43 | 17 46 | 1 32 | 21 29 | 1 50 | 13 29 | 1 27 | 17 50 | 1 7 | 23 0 | 0 4 | 22 6 | 0 34 | 18 52 | 1 37 | 13 22 | 16 57 | 17 32 | 17 18 | 6 25 | 1 8 | 4 27 |
| M22 | 19 26 | 12 16 | 5 0 | 17 9 | 1 27 | 21 36 | 1 47 | 13 42 | 1 28 | 17 53 | 1 8 | 23 1 | 0 4 | 22 7 | 0 34 | 18 52 | 1 36 | 13 21 | 16 56 | 17 29 | 17 17 | 6 27 | 1 7 | 4 27 |
| T 23 | 19 13 | 7 48 | 4 58 | 16 31 | 1 23 | 21 42 | 1 44 | 13 54 | 1 28 | 17 55 | 1 8 | 23 1 | 0 3 | 22 7 | 0 34 | 18 52 | 1 36 | 13 21 | 16 56 | 17 26 | 17 16 | 6 29 | 1 7 | 4 27 |
| W24 | 18 59 | 2 51 | 4 37 | 15 53 | 1 18 | 21 48 | 1 41 | 14 6 | 1 29 | 17 57 | 1 8 | 23 2 | 0 3 | 22 8 | 0 34 | 18 52 | 1 36 | 13 20 | 16 55 | 17 23 | 17 15 | 6 31 | 1 6 | 4 27 |
| T 25 | 18 44 | 2n15 | 3 57 | 15 14 | 1 12 | 21 54 | 1 38 | 14 18 | 1 30 | 18 0 | 1 8 | 23 2 | 0 3 | 22 8 | 0 34 | 18 52 | 1 36 | 13 19 | 16 55 | 17 21 | 17 14 | 6 33 | 1 6 | 4 27 |
| F 26 | 18 30 | 7 11 | 3 3 | 14 35 | 1 7 | 21 58 | 1 34 | 14 31 | 1 30 | 18 2 | 1 8 | 23 3 | 0 3 | 22 8 | 0 34 | 18 52 | 1 36 | 13 18 | 16 54 | 17 20 | 17 13 | 6 36 | 1 5 | 4 28 |
| S 27 | 18 15 | 11 40 | 1 58 | 13 55 | 1 0 | 22 3 | 1 31 | 14 43 | 1 31 | 18 4 | 1 8 | 23 3 | 0 3 | 22 9 | 0 34 | 18 52 | 1 36 | 13 17 | 16 54 | 17 20 | 17 12 | 6 38 | 1 5 | 4 28 |
| S 28 | 17 59 | 15 26 | 0 46 | 13 15 | 0 54 | 22 7 | 1 28 | 14 55 | 1 32 | 18 7 | 1 8 | 23 3 | 0 3 | 22 9 | 0 34 | 18 52 | 1 36 | 13 16 | 16 53 | 17 19 | 17 11 | 6 40 | 1 4 | 4 28 |
| M29 | 17 44 | 18 15 | 0s27 | 12 35 | 0 47 | 22 10 | 1 24 | 15 7 | 1 32 | 18 9 | 1 9 | 23 4 | 0 3 | 22 10 | 0 34 | 18 51 | 1 36 | 13 14 | 16 53 | 17 19 | 17 11 | 6 42 | 1 3 | 4 28 |
| T 30 | 17 28 | 19 59 | 1 38 | 11 54 | 0 40 | 22 12 | 1 21 | 15 20 | 1 33 | 18 12 | 1 9 | 23 4 | 0 3 | 22 10 | 0 34 | 18 51 | 1 36 | 13 13 | 16 53 | 17 19 | 17 10 | 6 44 | 1 3 | 4 28 |
| W31 | 17n12 | 20n32 | 2s41 | 11n14 | 0n33 | 22n14 | 1s17 | 15s32 | 1s33 | 18s14 | 1s 9 | 23s 4 | 0n 3 | 22s10 | 0s34 | 18s51 | 1n36 | 13n12 | 16n52 | 17s18 | 17s 9 | 6s46 | 1n 2 | 4n28 |

Julian Day Number = 2082471.5, Delta T = 25m15s
Ecliptic obliquity = 23°34'06, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'23, Lahiri = 9°46'24 Julian Calendar 1 July 989 == Greg. Calendar 6 July 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## AUGUST 989 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 58 59 | 13♌17'07 | 3♋35 | 3♍51 | 4♋24 | 8♏ 1 | 12°R25 | 10°R50 | 22°R53 | 0°R46 | 5♎39 | 17°R59 | 17♏27 | 9♎48 | 22°R16 | T 1 |
| F 2 | 21 2 56 | 14°14'58 | 16°38 | 5°23 | 5°34 | 8°36 | 12♒17 | 10♑47 | 22♑51 | 0♐46 | 5°41 | 17♏50 | 17°24 | 9°55 | 22♓14 | F 2 |
| S 3 | 21 6 52 | 15°12'50 | 29°29 | 6°54 | 6°43 | 9°12 | 12° 9 | 10°43 | 22°49 | 0°46 | 5°42 | 17°39 | 17°20 | 10° 1 | 22°12 | S 3 |
| S 4 | 21 10 49 | 16°10'43 | 12♌ 9 | 8°23 | 7°53 | 9°48 | 12° 1 | 10°40 | 22°47 | 0°46 | 5°44 | 17°26 | 17°17 | 10° 8 | 22°10 | S 4 |
| M 5 | 21 14 45 | 17° 8'39 | 24°37 | 9°51 | 9° 3 | 10°24 | 11°53 | 10°37 | 22°45 | 0°46 | 5°46 | 17°13 | 17°14 | 10°15 | 22° 8 | M 5 |
| T 6 | 21 18 42 | 18° 6'36 | 6♍53 | 11°17 | 10°13 | 11° 1 | 11°45 | 10°34 | 22°43 | 0°46 | 5°48 | 17° 0 | 17°11 | 10°21 | 22° 6 | T 6 |
| W 7 | 21 22 39 | 19° 4'34 | 18°59 | 12°42 | 11°23 | 11°38 | 11°38 | 10°31 | 22°41 | 0°46 | 5°49 | 16°48 | 17° 8 | 10°28 | 22° 4 | W 7 |
| T 8 | 21 26 35 | 20° 2'34 | 0♎55 | 14° 5 | 12°33 | 12°14 | 11°30 | 10°28 | 22°38 | 0°D46 | 5°51 | 16°39 | 17° 5 | 10°35 | 22° 2 | T 8 |
| F 9 | 21 30 32 | 21° 0'35 | 12°46 | 15°27 | 13°43 | 12°51 | 11°22 | 10°25 | 22°36 | 0°46 | 5°53 | 16°33 | 17° 1 | 10°41 | 22° 0 | F 9 |
| S 10 | 21 34 28 | 21°58'38 | 24°33 | 16°47 | 14°53 | 13°29 | 11°15 | 10°23 | 22°34 | 0°46 | 5°55 | 16°29 | 16°58 | 10°48 | 21°57 | S 10 |
| S 11 | 21 38 25 | 22°56'42 | 6♏22 | 18° 5 | 16° 4 | 14° 6 | 11° 7 | 10°20 | 22°32 | 0°46 | 5°57 | 16°28 | 16°55 | 10°55 | 21°55 | S 11 |
| M12 | 21 42 21 | 23°54'48 | 18°18 | 19°22 | 17°14 | 14°44 | 11° 0 | 10°17 | 22°31 | 0°46 | 5°59 | 16°27 | 16°52 | 11° 1 | 21°53 | M12 |
| T 13 | 21 46 18 | 24°52'55 | 0♐26 | 20°37 | 18°25 | 15°21 | 10°52 | 10°15 | 22°29 | 0°46 | 6° 0 | 16°27 | 16°49 | 11° 8 | 21°51 | T 13 |
| W14 | 21 50 14 | 25°51'03 | 12°52 | 21°51 | 19°36 | 15°59 | 10°45 | 10°12 | 22°27 | 0°46 | 6° 2 | 16°26 | 16°46 | 11°15 | 21°48 | W14 |
| T 15 | 21 54 11 | 26°49'14 | 25°40 | 23° 2 | 20°46 | 16°37 | 10°37 | 10°10 | 22°25 | 0°47 | 6° 4 | 16°24 | 16°42 | 11°21 | 21°46 | T 15 |
| F 16 | 21 58 8 | 27°47'26 | 8♑55 | 24°12 | 21°57 | 17°16 | 10°30 | 10° 8 | 22°23 | 0°47 | 6° 6 | 16°18 | 16°39 | 11°28 | 21°43 | F 16 |
| S 17 | 22 2 4 | 28°45'39 | 22°38 | 25°19 | 23° 8 | 17°54 | 10°23 | 10° 5 | 22°21 | 0°47 | 6° 8 | 16°11 | 16°36 | 11°35 | 21°41 | S 17 |
| S 18 | 22 6 1 | 29°43'54 | 6♒48 | 26°25 | 24°19 | 18°33 | 10°16 | 10° 3 | 22°20 | 0°47 | 6°10 | 16° 1 | 16°33 | 11°41 | 21°39 | S 18 |
| M19 | 22 9 57 | 0♍42'10 | 21°23 | 27°28 | 25°31 | 19°12 | 10° 9 | 10° 1 | 22°18 | 0°48 | 6°12 | 15°50 | 16°30 | 11°48 | 21°36 | M19 |
| T 20 | 22 13 54 | 1°40'29 | 6♓15 | 28°29 | 26°42 | 19°50 | 10° 2 | 9°59 | 22°16 | 0°48 | 6°14 | 15°39 | 16°26 | 11°55 | 21°34 | T 20 |
| W21 | 22 17 50 | 2°38'49 | 21°15 | 29°27 | 27°53 | 20°29 | 9°56 | 9°58 | 22°14 | 0°49 | 6°16 | 15°30 | 16°23 | 12° 1 | 21°31 | W21 |
| T 22 | 22 21 47 | 3°37'11 | 6♈14 | 0♎22 | 29° 5 | 21° 9 | 9°49 | 9°56 | 22°13 | 0°49 | 6°18 | 15°23 | 16°20 | 12° 8 | 21°28 | T 22 |
| F 23 | 22 25 43 | 4°35'36 | 21° 4 | 1°15 | 0♌16 | 21°48 | 9°43 | 9°54 | 22°11 | 0°50 | 6°21 | 15°19 | 16°17 | 12°15 | 21°26 | F 23 |
| S 24 | 22 29 40 | 5°34'02 | 5♉38 | 2° 4 | 1°28 | 22°28 | 9°36 | 9°53 | 22°10 | 0°50 | 6°23 | 15°17 | 16°14 | 12°21 | 21°23 | S 24 |
| S 25 | 22 33 37 | 6°32'31 | 19°52 | 2°50 | 2°40 | 23° 7 | 9°30 | 9°51 | 22° 8 | 0°51 | 6°25 | 15°D16 | 16°11 | 12°28 | 21°21 | S 25 |
| M26 | 22 37 33 | 7°31'02 | 3♊46 | 3°32 | 3°52 | 23°47 | 9°24 | 9°50 | 22° 7 | 0°51 | 6°27 | 15°R17 | 16° 7 | 12°35 | 21°18 | M26 |
| T 27 | 22 41 30 | 8°29'35 | 17°20 | 4°11 | 5° 4 | 24°27 | 9°18 | 9°49 | 22° 5 | 0°52 | 6°29 | 15°16 | 16° 4 | 12°41 | 21°16 | T 27 |
| W28 | 22 45 26 | 9°28'11 | 0♋36 | 4°45 | 6°16 | 25° 7 | 9°12 | 9°47 | 22° 4 | 0°52 | 6°31 | 15°14 | 16° 1 | 12°48 | 21°13 | W28 |
| T 29 | 22 49 23 | 10°26'49 | 13°36 | 5°15 | 7°28 | 25°47 | 9° 6 | 9°46 | 22° 3 | 0°53 | 6°33 | 15°10 | 15°58 | 12°55 | 21°10 | T 29 |
| F 30 | 22 53 19 | 11°25'29 | 26°22 | 5°40 | 8°40 | 26°28 | 9° 1 | 9°45 | 22° 1 | 0°54 | 6°36 | 15° 3 | 15°55 | 13° 1 | 21° 8 | F 30 |
| S 31 | 22 57 16 | 12♍24'11 | 8♌56 | 6♎ 0 | 9♌52 | 27♏ 8 | 8♒56 | 9♑44 | 22♑ 0 | 0♐55 | 6♎38 | 14♏54 | 15♏51 | 13♎ 8 | 21♓ 5 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 16n55 | 19n56 | 3s36 | 10n33 | 0n26 | 22n16 | 1s14 | 15s44 | 1s34 | 18s16 | 1s 9 | 23s 5 | 0n 3 | 22s11 | 0s34 | 18s52 | 1n36 | 13n11 | 16n52 | 17s17 | 17s 8 | 6s48 | 1n 1 | 4n28 | |
| F 2 | 16 39 | 18 16 | 4 17 | 9 52 | 0 18 | 22 17 | 1 10 | 15 56 | 1 34 | 18 19 | 1 9 | 23 5 | 0 3 | 22 11 | 0 34 | 18 52 | 1 36 | 13 10 | 16 51 | 17 14 | 17 7 | 6 50 | 1 1 | 4 28 | |
| S 3 | 16 22 | 15 43 | 4 45 | 9 11 | 0 10 | 22 17 | 1 7 | 16 8 | 1 35 | 18 21 | 1 9 | 23 6 | 0 2 | 22 11 | 0 34 | 18 52 | 1 36 | 13 9 | 16 51 | 17 11 | 17 6 | 6 52 | 1 0 | 4 29 | |
| S 4 | 16 4 | 12 28 | 4 59 | 8 30 | 0 2 | 22 17 | 1 4 | 16 20 | 1 35 | 18 23 | 1 9 | 23 6 | 0 2 | 22 12 | 0 34 | 18 52 | 1 36 | 13 8 | 16 50 | 17 8 | 17 5 | 6 54 | 0 59 | 4 29 | |
| M 5 | 15 47 | 8 43 | 4 58 | 7 50 | 0s 6 | 22 16 | 1 0 | 16 32 | 1 36 | 18 26 | 1 9 | 23 6 | 0 2 | 22 12 | 0 34 | 18 52 | 1 36 | 13 7 | 16 50 | 17 4 | 17 4 | 6 56 | 0 59 | 4 29 | |
| T 6 | 15 29 | 4 39 | 4 42 | 7 9 | 0 14 | 22 14 | 0 57 | 16 44 | 1 36 | 18 28 | 1 9 | 23 7 | 0 2 | 22 12 | 0 34 | 18 52 | 1 36 | 13 6 | 16 50 | 17 0 | 17 3 | 6 58 | 0 58 | 4 29 | |
| W 7 | 15 11 | 0 29 | 4 15 | 6 29 | 0 23 | 22 12 | 0 53 | 16 56 | 1 37 | 18 30 | 1 9 | 23 7 | 0 2 | 22 13 | 0 34 | 18 52 | 1 36 | 13 5 | 16 49 | 16 57 | 17 2 | 7 0 | 0 57 | 4 29 | |
| T 8 | 14 53 | 3s40 | 3 36 | 5 49 | 0 31 | 22 9 | 0 50 | 17 8 | 1 37 | 18 32 | 1 10 | 23 7 | 0 2 | 22 13 | 0 34 | 18 52 | 1 36 | 13 4 | 16 49 | 16 54 | 17 2 | 7 2 | 0 56 | 4 29 | |
| F 9 | 14 34 | 7 39 | 2 48 | 5 9 | 0 40 | 22 6 | 0 46 | 17 20 | 1 38 | 18 35 | 1 10 | 23 8 | 0 2 | 22 13 | 0 34 | 18 52 | 1 35 | 13 3 | 16 48 | 16 52 | 17 1 | 7 3 | 0 56 | 4 29 | |
| S 10 | 14 15 | 11 19 | 1 53 | 4 30 | 0 49 | 22 2 | 0 43 | 17 32 | 1 38 | 18 37 | 1 10 | 23 8 | 0 2 | 22 14 | 0 34 | 18 52 | 1 35 | 13 2 | 16 48 | 16 51 | 17 0 | 7 5 | 0 55 | 4 29 | |
| S 11 | 13 57 | 14 33 | 0 53 | 3 51 | 0 58 | 21 57 | 0 39 | 17 44 | 1 39 | 18 39 | 1 10 | 23 8 | 0 2 | 22 14 | 0 34 | 18 52 | 1 35 | 13 1 | 16 48 | 16 51 | 16 59 | 7 7 | 0 54 | 4 29 | |
| M12 | 13 37 | 17 13 | 0n10 | 3 12 | 1 7 | 21 52 | 0 36 | 17 55 | 1 39 | 18 41 | 1 10 | 23 8 | 0 2 | 22 14 | 0 34 | 18 52 | 1 35 | 13 0 | 16 47 | 16 51 | 16 58 | 7 9 | 0 53 | 4 29 | |
| T 13 | 13 18 | 19 9 | 1 13 | 2 35 | 1 16 | 21 46 | 0 32 | 18 7 | 1 40 | 18 43 | 1 10 | 23 9 | 0 2 | 22 15 | 0 34 | 18 52 | 1 35 | 12 59 | 16 47 | 16 51 | 16 57 | 7 11 | 0 52 | 4 29 | |
| W14 | 12 58 | 20 14 | 2 15 | 1 57 | 1 25 | 21 39 | 0 29 | 18 18 | 1 40 | 18 45 | 1 10 | 23 9 | 0 1 | 22 15 | 0 34 | 18 52 | 1 35 | 12 58 | 16 47 | 16 51 | 16 56 | 7 13 | 0 51 | 4 29 | |
| T 15 | 12 38 | 20 18 | 3 12 | 1 21 | 1 34 | 21 32 | 0 25 | 18 30 | 1 40 | 18 47 | 1 10 | 23 9 | 0 1 | 22 15 | 0 34 | 18 52 | 1 35 | 12 57 | 16 46 | 16 50 | 16 55 | 7 15 | 0 50 | 4 29 | |
| F 16 | 12 18 | 19 16 | 4 0 | 0 45 | 1 43 | 21 24 | 0 22 | 18 41 | 1 41 | 18 49 | 1 10 | 23 10 | 0 1 | 22 16 | 0 34 | 18 52 | 1 35 | 12 55 | 16 46 | 16 48 | 16 54 | 7 17 | 0 50 | 4 30 | |
| S 17 | 11 58 | 17 6 | 4 37 | 0 10 | 1 52 | 21 16 | 0 19 | 18 52 | 1 41 | 18 51 | 1 10 | 23 10 | 0 1 | 22 16 | 0 34 | 18 53 | 1 35 | 12 54 | 16 46 | 16 46 | 16 53 | 7 19 | 0 49 | 4 30 | |
| S 18 | 11 38 | 13 52 | 4 58 | 0s25 | 2 1 | 21 7 | 0 15 | 19 4 | 1 41 | 18 53 | 1 10 | 23 10 | 0 1 | 22 16 | 0 34 | 18 53 | 1 35 | 12 53 | 16 45 | 16 43 | 16 52 | 7 21 | 0 48 | 4 30 | |
| M19 | 11 17 | 9 43 | 5 0 | 0 58 | 2 9 | 20 58 | 0 12 | 19 15 | 1 42 | 18 55 | 1 10 | 23 10 | 0 1 | 22 16 | 0 34 | 18 53 | 1 35 | 12 52 | 16 45 | 16 40 | 16 52 | 7 23 | 0 47 | 4 30 | |
| T 20 | 10 56 | 4 53 | 4 43 | 1 30 | 2 18 | 20 47 | 0 8 | 19 26 | 1 42 | 18 57 | 1 10 | 23 10 | 0 1 | 22 17 | 0 34 | 18 53 | 1 35 | 12 51 | 16 45 | 16 37 | 16 51 | 7 25 | 0 46 | 4 30 | |
| W21 | 10 35 | 0n16 | 4 6 | 2 1 | 2 27 | 20 37 | 0 5 | 19 37 | 1 42 | 18 59 | 1 10 | 23 11 | 0 1 | 22 17 | 0 34 | 18 53 | 1 35 | 12 50 | 16 44 | 16 34 | 16 50 | 7 27 | 0 45 | 4 30 | |
| T 22 | 10 14 | 5 25 | 3 12 | 2 31 | 2 35 | 20 25 | 0 2 | 19 47 | 1 43 | 19 1 | 1 10 | 23 11 | 0 1 | 22 17 | 0 34 | 18 53 | 1 35 | 12 49 | 16 44 | 16 32 | 16 49 | 7 29 | 0 44 | 4 30 | |
| F 23 | 9 53 | 10 11 | 2 5 | 3 0 | 2 44 | 20 13 | 0n 1 | 19 58 | 1 43 | 19 2 | 1 10 | 23 11 | 0 1 | 22 17 | 0 34 | 18 53 | 1 35 | 12 48 | 16 44 | 16 31 | 16 48 | 7 31 | 0 43 | 4 30 | |
| S 24 | 9 31 | 14 16 | 0 51 | 3 27 | 2 52 | 20 1 | 0 5 | 20 9 | 1 43 | 19 4 | 1 10 | 23 11 | 0 1 | 22 18 | 0 34 | 18 54 | 1 35 | 12 47 | 16 43 | 16 30 | 16 47 | 7 33 | 0 42 | 4 30 | |
| S 25 | 9 10 | 17 24 | 0s24 | 3 53 | 3 0 | 19 48 | 0 8 | 20 19 | 1 43 | 19 6 | 1 10 | 23 12 | 0 0 | 22 18 | 0 34 | 18 54 | 1 34 | 12 46 | 16 43 | 16 30 | 16 46 | 7 35 | 0 41 | 4 30 | |
| M26 | 8 48 | 19 26 | 1 37 | 4 16 | 3 7 | 19 34 | 0 11 | 20 29 | 1 44 | 19 7 | 1 10 | 23 12 | 0 0 | 22 18 | 0 34 | 18 54 | 1 34 | 12 45 | 16 43 | 16 30 | 16 45 | 7 37 | 0 40 | 4 30 | |
| T 27 | 8 26 | 20 16 | 2 42 | 4 38 | 3 14 | 19 20 | 0 14 | 20 40 | 1 44 | 19 9 | 1 10 | 23 12 | 0 0 | 22 18 | 0 34 | 18 54 | 1 34 | 12 44 | 16 43 | 16 30 | 16 44 | 7 39 | 0 39 | 4 30 | |
| W28 | 8 4 | 19 57 | 3 37 | 4 58 | 3 21 | 19 5 | 0 17 | 20 50 | 1 44 | 19 10 | 1 10 | 23 12 | 0 0 | 22 19 | 0 34 | 18 54 | 1 34 | 12 43 | 16 42 | 16 30 | 16 43 | 7 41 | 0 38 | 4 30 | |
| T 29 | 7 41 | 18 34 | 4 19 | 5 16 | 3 27 | 18 50 | 0 20 | 21 0 | 1 44 | 19 12 | 1 10 | 23 12 | 0 0 | 22 19 | 0 34 | 18 55 | 1 34 | 12 41 | 16 42 | 16 28 | 16 42 | 7 43 | 0 37 | 4 30 | |
| F 30 | 7 19 | 16 17 | 4 48 | 5 31 | 3 33 | 18 34 | 0 23 | 21 9 | 1 44 | 19 13 | 1 10 | 23 12 | 0 0 | 22 19 | 0 34 | 18 55 | 1 34 | 12 40 | 16 42 | 16 26 | 16 41 | 7 45 | 0 36 | 4 30 | |
| S 31 | 6n57 | 13n16 | 5s 2 | 5s44 | 3s38 | 18n17 | 0n26 | 21s19 | 1s45 | 19s15 | 1s10 | 23s13 | 0s 0 | 22s19 | 0s34 | 18s55 | 1n34 | 12n39 | 16n42 | 16s24 | 16s40 | 7s47 | 0n35 | 4n30 | |

Julian Day Number = 2082502.5, Delta T = 25m15s
Ecliptic obliquity = 23°34'06, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'28, Lahiri = 9°46'28 Julian Calendar 1 Aug. 989 == Greg. Calendar 6 Aug. 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## SEPTEMBER 989 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 1 12 | 13♍22'55 | 21♌19 | 6♎15 | 11♌ 5 | 27♏49 | 8°R50 | 9°R44 | 21°R59 | 0♐55 | 6♎40 | 14°R43 | 15♏48 | 13♎15 | 21°R 2 | S 1 |
| M 2 | 23 5 9 | 14°21'41 | 3♍33 | 6°23 | 12°17 | 28°29 | 8♒45 | 9♑43 | 21♑58 | 0°56 | 6°42 | 14♏31 | 15°45 | 13°21 | 21♓ 0 | M 2 |
| T 3 | 23 9 6 | 15°20'30 | 15°38 | 6°R25 | 13°30 | 29°10 | 8°40 | 9°42 | 21°57 | 0°57 | 6°45 | 14°20 | 15°42 | 13°28 | 20°57 | T 3 |
| W 4 | 23 13 2 | 16°19'20 | 27°35 | 6°21 | 14°42 | 29°51 | 8°36 | 9°42 | 21°55 | 0°58 | 6°47 | 14°10 | 15°39 | 13°35 | 20°54 | W 4 |
| T 5 | 23 16 59 | 17°18'13 | 9♎27 | 6° 9 | 15°55 | 0♐32 | 8°31 | 9°41 | 21°54 | 0°59 | 6°49 | 14° 3 | 15°36 | 13°41 | 20°51 | T 5 |
| F 6 | 23 20 55 | 18°17'07 | 21°15 | 5°50 | 17° 8 | 1°14 | 8°27 | 9°41 | 21°53 | 1° 0 | 6°51 | 13°58 | 15°32 | 13°48 | 20°49 | F 6 |
| S 7 | 23 24 52 | 19°16'04 | 3♏ 1 | 5°24 | 18°21 | 1°55 | 8°22 | 9°41 | 21°52 | 1° 1 | 6°54 | 13°55 | 15°29 | 13°55 | 20°46 | S 7 |
| S 8 | 23 28 48 | 20°15'02 | 14°50 | 4°50 | 19°33 | 2°37 | 8°18 | 9°41 | 21°52 | 1° 2 | 6°56 | 13°D54 | 15°26 | 14° 1 | 20°43 | S 8 |
| M 9 | 23 32 45 | 21°14'02 | 26°46 | 4° 9 | 20°46 | 3°18 | 8°14 | 9°D41 | 21°51 | 1° 3 | 6°58 | 13°55 | 15°23 | 14° 8 | 20°41 | M 9 |
| T 10 | 23 36 41 | 22°13'04 | 8♐52 | 3°21 | 21°59 | 4° 0 | 8°11 | 9°41 | 21°50 | 1° 4 | 7° 1 | 13°56 | 15°20 | 14°15 | 20°38 | T 10 |
| W11 | 23 40 38 | 23°12'08 | 21°15 | 2°26 | 23°13 | 4°42 | 8° 7 | 9°41 | 21°49 | 1° 5 | 7° 3 | 13°R57 | 15°17 | 14°21 | 20°35 | W11 |
| T 12 | 23 44 34 | 24°11'14 | 3♑59 | 1°26 | 24°26 | 5°24 | 8° 4 | 9°41 | 21°48 | 1° 6 | 7° 5 | 13°56 | 15°13 | 14°28 | 20°32 | T 12 |
| F 13 | 23 48 31 | 25°10'21 | 17° 9 | 0°21 | 25°39 | 6° 6 | 8° 1 | 9°42 | 21°48 | 1° 7 | 7° 8 | 13°54 | 15°10 | 14°35 | 20°30 | F 13 |
| S 14 | 23 52 28 | 26° 9'30 | 0♒47 | 29♍12 | 26°52 | 6°48 | 7°58 | 9°42 | 21°47 | 1° 8 | 7°10 | 13°50 | 15° 7 | 14°41 | 20°27 | S 14 |
| S 15 | 23 56 24 | 27° 8'41 | 14°55 | 28° 2 | 28° 6 | 7°31 | 7°55 | 9°43 | 21°47 | 1°10 | 7°12 | 13°44 | 15° 4 | 14°48 | 20°24 | S 15 |
| M16 | 0 0 21 | 28° 7'54 | 29°31 | 26°53 | 29°19 | 8°13 | 7°53 | 9°43 | 21°46 | 1°11 | 7°15 | 13°37 | 15° 1 | 14°55 | 20°22 | M16 |
| T 17 | 0 4 17 | 29° 7'09 | 14♓28 | 25°45 | 0♍32 | 8°56 | 7°50 | 9°44 | 21°46 | 1°12 | 7°17 | 13°30 | 14°57 | 15° 1 | 20°19 | T 17 |
| W18 | 0 8 14 | 0♎ 6'26 | 29°40 | 24°41 | 1°46 | 9°38 | 7°48 | 9°45 | 21°45 | 1°13 | 7°20 | 13°24 | 14°54 | 15° 8 | 20°16 | W18 |
| T 19 | 0 12 10 | 1° 5'44 | 14♈54 | 23°44 | 3° 0 | 10°21 | 7°46 | 9°46 | 21°45 | 1°15 | 7°22 | 13°19 | 14°51 | 15°15 | 20°14 | T 19 |
| F 20 | 0 16 7 | 2° 5'06 | 0♉ 2 | 22°54 | 4°13 | 11° 4 | 7°44 | 9°47 | 21°44 | 1°16 | 7°24 | 13°17 | 14°48 | 15°21 | 20°11 | F 20 |
| S 21 | 0 20 3 | 3° 4'29 | 14°54 | 22°12 | 5°27 | 11°47 | 7°43 | 9°48 | 21°44 | 1°17 | 7°27 | 13°D16 | 14°45 | 15°28 | 20° 8 | S 21 |
| S 22 | 0 24 0 | 4° 3'55 | 29°24 | 21°41 | 6°41 | 12°30 | 7°41 | 9°50 | 21°44 | 1°19 | 7°29 | 13°17 | 14°42 | 15°35 | 20° 6 | S 22 |
| M23 | 0 27 57 | 5° 3'23 | 13♊30 | 21°20 | 7°55 | 13°13 | 7°40 | 9°51 | 21°44 | 1°20 | 7°32 | 13°18 | 14°38 | 15°41 | 20° 3 | M23 |
| T 24 | 0 31 53 | 6° 2'53 | 27°11 | 21°D10 | 9° 9 | 13°56 | 7°39 | 9°52 | 21°44 | 1°22 | 7°34 | 13°19 | 14°35 | 15°48 | 20° 1 | T 24 |
| W25 | 0 35 50 | 7° 2'26 | 10♋27 | 21°12 | 10°22 | 14°39 | 7°38 | 9°54 | 21°43 | 1°23 | 7°36 | 13°R20 | 14°32 | 15°55 | 19°58 | W25 |
| T 26 | 0 39 46 | 8° 2'01 | 23°23 | 21°24 | 11°37 | 15°23 | 7°38 | 9°56 | 21°D43 | 1°25 | 7°39 | 13°18 | 14°29 | 16° 1 | 19°55 | T 26 |
| F 27 | 0 43 43 | 9° 1'38 | 6♌ 1 | 21°46 | 12°51 | 16° 6 | 7°37 | 9°57 | 21°43 | 1°26 | 7°41 | 13°16 | 14°26 | 16° 8 | 19°53 | F 27 |
| S 28 | 0 47 39 | 10° 1'18 | 18°24 | 22°18 | 14° 5 | 16°50 | 7°D37 | 9°59 | 21°44 | 1°28 | 7°44 | 13°11 | 14°23 | 16°15 | 19°50 | S 28 |
| S 29 | 0 51 36 | 11° 1'00 | 0♍35 | 23° 0 | 15°19 | 17°33 | 7°37 | 10° 1 | 21°44 | 1°29 | 7°46 | 13° 6 | 14°19 | 16°21 | 19°48 | S 29 |
| M30 | 0 55 32 | 12♎ 0'44 | 12♍38 | 23♍50 | 16♍33 | 18♐17 | 7♒38 | 10♑ 3 | 21♑44 | 1♐31 | 7♎48 | 13♏ 0 | 14♏16 | 16♎28 | 19♓45 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n34 | 9n42 | 5s 2 | 5s54 | 3s43 | 18n 0 | 0n29 | 21s29 | 1s45 | 19s16 | 1s10 | 23s13 | 0s 0 | 22s19 | 0s34 | 18s55 | 1n34 | 12n38 | 16n42 | 16s20 | 16s40 | 7s49 | 0n34 | 4n30 |
| M 2 | 6 11 | 5 48 | 4 47 | 6 0 | 3 46 | 17 43 | 0 32 | 21 38 | 1 45 | 19 17 | 1 10 | 23 13 | 0 0 | 22 20 | 0 34 | 18 55 | 1 34 | 12 37 | 16 41 | 16 17 | 16 39 | 7 50 | 0 32 | 4 30 |
| T 3 | 5 48 | 1 42 | 4 20 | 6 4 | 3 49 | 17 25 | 0 35 | 21 47 | 1 45 | 19 19 | 1 10 | 23 13 | 0 0 | 22 20 | 0 34 | 18 56 | 1 34 | 12 36 | 16 41 | 16 14 | 16 38 | 7 52 | 0 31 | 4 30 |
| W 4 | 5 26 | 2s26 | 3 42 | 6 3 | 3 50 | 17 6 | 0 37 | 21 56 | 1 45 | 19 20 | 1 10 | 23 13 | 0 0 | 22 20 | 0 34 | 18 56 | 1 34 | 12 35 | 16 41 | 16 11 | 16 37 | 7 54 | 0 30 | 4 30 |
| T 5 | 5 2 | 6 26 | 2 54 | 5 59 | 3 51 | 16 47 | 0 40 | 22 5 | 1 45 | 19 21 | 1 10 | 23 13 | 0 0 | 22 20 | 0 34 | 18 56 | 1 34 | 12 34 | 16 41 | 16 8 | 16 36 | 7 56 | 0 29 | 4 30 |
| F 6 | 4 39 | 10 10 | 1 59 | 5 51 | 3 50 | 16 28 | 0 43 | 22 14 | 1 45 | 19 22 | 1 10 | 23 13 | 0 1 | 22 20 | 0 34 | 18 56 | 1 34 | 12 33 | 16 41 | 16 7 | 16 35 | 7 58 | 0 28 | 4 30 |
| S 7 | 4 16 | 13 30 | 0 58 | 5 38 | 3 47 | 16 8 | 0 45 | 22 23 | 1 45 | 19 23 | 1 9 | 23 13 | 0 1 | 22 20 | 0 34 | 18 57 | 1 34 | 12 32 | 16 40 | 16 6 | 16 34 | 8 0 | 0 27 | 4 30 |
| S 8 | 3 53 | 16 18 | 0n 5 | 5 21 | 3 43 | 15 47 | 0 48 | 22 31 | 1 45 | 19 24 | 1 9 | 23 13 | 0 1 | 22 20 | 0 34 | 18 57 | 1 34 | 12 31 | 16 40 | 16 6 | 16 33 | 8 2 | 0 26 | 4 30 |
| M 9 | 3 30 | 18 25 | 1 9 | 4 59 | 3 37 | 15 26 | 0 50 | 22 39 | 1 45 | 19 25 | 1 9 | 23 14 | 0 1 | 22 21 | 0 34 | 18 57 | 1 34 | 12 30 | 16 40 | 16 6 | 16 32 | 8 4 | 0 25 | 4 30 |
| T 10 | 3 6 | 19 45 | 2 11 | 4 33 | 3 30 | 15 5 | 0 53 | 22 47 | 1 46 | 19 26 | 1 9 | 23 14 | 0 1 | 22 21 | 0 34 | 18 57 | 1 34 | 12 29 | 16 40 | 16 6 | 16 31 | 8 6 | 0 24 | 4 29 |
| W11 | 2 43 | 20 9 | 3 8 | 4 2 | 3 20 | 14 43 | 0 55 | 22 55 | 1 46 | 19 27 | 1 9 | 23 14 | 0 1 | 22 21 | 0 34 | 18 58 | 1 34 | 12 28 | 16 40 | 16 7 | 16 30 | 8 8 | 0 22 | 4 29 |
| T 12 | 2 19 | 19 33 | 3 57 | 3 27 | 3 9 | 14 21 | 0 57 | 23 3 | 1 46 | 19 28 | 1 9 | 23 14 | 0 1 | 22 21 | 0 34 | 18 58 | 1 33 | 12 27 | 16 40 | 16 6 | 16 29 | 8 10 | 0 21 | 4 29 |
| F 13 | 1 56 | 17 54 | 4 36 | 2 49 | 2 55 | 13 58 | 1 0 | 23 11 | 1 46 | 19 28 | 1 9 | 23 14 | 0 1 | 22 21 | 0 34 | 18 58 | 1 33 | 12 26 | 16 40 | 16 6 | 16 28 | 8 12 | 0 20 | 4 29 |
| S 14 | 1 32 | 15 12 | 5 1 | 2 8 | 2 40 | 13 35 | 1 2 | 23 18 | 1 46 | 19 29 | 1 9 | 23 14 | 0 1 | 22 21 | 0 34 | 18 59 | 1 33 | 12 25 | 16 40 | 16 4 | 16 27 | 8 13 | 0 19 | 4 29 |
| S 15 | 1 8 | 11 31 | 5 9 | 1 24 | 2 23 | 13 12 | 1 4 | 23 25 | 1 46 | 19 30 | 1 9 | 23 14 | 0 1 | 22 21 | 0 34 | 18 59 | 1 33 | 12 24 | 16 39 | 16 3 | 16 27 | 8 15 | 0 18 | 4 29 |
| M16 | 0 45 | 7 4 | 4 57 | 0 40 | 2 5 | 12 48 | 1 6 | 23 32 | 1 46 | 19 30 | 1 9 | 23 14 | 0 1 | 22 21 | 0 34 | 18 59 | 1 33 | 12 23 | 16 39 | 16 1 | 16 26 | 8 17 | 0 17 | 4 29 |
| T 17 | 0 21 | 2 4 | 4 25 | 0n 5 | 1 46 | 12 24 | 1 8 | 23 39 | 1 46 | 19 31 | 1 9 | 23 14 | 0 1 | 22 21 | 0 34 | 18 59 | 1 33 | 12 22 | 16 39 | 15 58 | 16 25 | 8 19 | 0 16 | 4 29 |
| W18 | 0s 3 | 3n 8 | 3 34 | 0 49 | 1 26 | 11 59 | 1 10 | 23 45 | 1 46 | 19 31 | 1 9 | 23 14 | 0 1 | 22 21 | 0 34 | 19 0 | 1 33 | 12 21 | 16 39 | 15 57 | 16 24 | 8 21 | 0 15 | 4 29 |
| T 19 | 0 26 | 8 10 | 2 28 | 1 30 | 1 5 | 11 35 | 1 12 | 23 52 | 1 46 | 19 32 | 1 8 | 23 14 | 0 2 | 22 21 | 0 34 | 19 0 | 1 33 | 12 20 | 16 39 | 15 55 | 16 23 | 8 23 | 0 13 | 4 29 |
| F 20 | 0 50 | 12 39 | 1 11 | 2 9 | 0 45 | 11 9 | 1 14 | 23 58 | 1 45 | 19 32 | 1 8 | 23 14 | 0 2 | 22 21 | 0 34 | 19 0 | 1 33 | 12 19 | 16 39 | 15 54 | 16 22 | 8 25 | 0 12 | 4 29 |
| S 21 | 1 14 | 16 15 | 0s 9 | 2 44 | 0 25 | 10 44 | 1 15 | 24 4 | 1 45 | 19 32 | 1 8 | 23 14 | 0 2 | 22 21 | 0 34 | 19 1 | 1 33 | 12 18 | 16 39 | 15 54 | 16 21 | 8 27 | 0 11 | 4 29 |
| S 22 | 1 37 | 18 43 | 1 27 | 3 14 | 0 5 | 10 18 | 1 17 | 24 9 | 1 45 | 19 33 | 1 8 | 23 14 | 0 2 | 22 21 | 0 34 | 19 1 | 1 33 | 12 17 | 16 39 | 15 55 | 16 20 | 8 29 | 0 10 | 4 28 |
| M23 | 2 1 | 19 56 | 2 37 | 3 39 | 0n13 | 9 52 | 1 19 | 24 15 | 1 45 | 19 33 | 1 8 | 23 14 | 0 2 | 22 21 | 0 34 | 19 1 | 1 33 | 12 16 | 16 39 | 15 55 | 16 19 | 8 30 | 0 9 | 4 28 |
| T 24 | 2 25 | 19 56 | 3 37 | 3 59 | 0 30 | 9 25 | 1 20 | 24 20 | 1 45 | 19 33 | 1 8 | 23 14 | 0 2 | 22 21 | 0 34 | 19 2 | 1 33 | 12 15 | 16 39 | 15 55 | 16 18 | 8 32 | 0 8 | 4 28 |
| W25 | 2 49 | 18 48 | 4 22 | 4 13 | 0 46 | 8 58 | 1 21 | 24 25 | 1 45 | 19 33 | 1 8 | 23 14 | 0 2 | 22 21 | 0 33 | 19 2 | 1 33 | 12 14 | 16 39 | 15 55 | 16 17 | 8 34 | 0 7 | 4 28 |
| T 26 | 3 12 | 16 42 | 4 54 | 4 22 | 1 1 | 8 31 | 1 23 | 24 30 | 1 45 | 19 33 | 1 8 | 23 14 | 0 2 | 22 21 | 0 33 | 19 2 | 1 33 | 12 13 | 16 39 | 15 55 | 16 16 | 8 36 | 0 6 | 4 28 |
| F 27 | 3 36 | 13 52 | 5 10 | 4 24 | 1 13 | 8 4 | 1 24 | 24 35 | 1 45 | 19 33 | 1 8 | 23 14 | 0 2 | 22 21 | 0 33 | 19 3 | 1 33 | 12 12 | 16 39 | 15 54 | 16 15 | 8 38 | 0 4 | 4 28 |
| S 28 | 3 59 | 10 28 | 5 11 | 4 22 | 1 25 | 7 37 | 1 25 | 24 39 | 1 45 | 19 33 | 1 8 | 23 14 | 0 2 | 22 21 | 0 33 | 19 3 | 1 33 | 12 11 | 16 39 | 15 53 | 16 14 | 8 40 | 0 3 | 4 28 |
| S 29 | 4 23 | 6 41 | 4 58 | 4 14 | 1 35 | 7 9 | 1 26 | 24 43 | 1 44 | 19 33 | 1 7 | 23 14 | 0 2 | 22 21 | 0 33 | 19 3 | 1 33 | 12 10 | 16 39 | 15 51 | 16 13 | 8 42 | 0 2 | 4 27 |
| M30 | 4s46 | 2n40 | 4s32 | 4n 2 | 1n43 | 6n41 | 1n28 | 24s47 | 1s44 | 19s33 | 1s 7 | 23s14 | 0s 2 | 22s21 | 0s33 | 19s 4 | 1n33 | 12n10 | 16n39 | 15s50 | 16s12 | 8s43 | 0n 1 | 4n27 |

Julian Day Number = 2082533.5, Delta T = 25m15s
Ecliptic obliquity = 23°34'07, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'32, Lahiri = 9°46'32 Julian Calendar 1 Sept. 989 == Greg. Calendar 6 Sept. 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## OCTOBER 989 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 59 29 | 13♎ 0'31 | 24♍34 | 24♍47 | 17♍47 | 19♐ 1 | 7♒38 | 10♑ 5 | 21♑44 | 1♐33 | 7♎51 | 12°R55 | 14♏13 | 16♎35 | 19°R43 | T 1 |
| W 2 | 1 3 25 | 14° 0'19 | 6♎25 | 25°51 | 19° 2 | 19°45 | 7°39 | 10° 8 | 21°44 | 1°34 | 7°53 | 12♏50 | 14°10 | 16°41 | 19♓41 | W 2 |
| T 3 | 1 7 22 | 15° 0'09 | 18°14 | 27° 0 | 20°16 | 20°29 | 7°39 | 10°10 | 21°45 | 1°36 | 7°55 | 12°46 | 14° 7 | 16°48 | 19°38 | T 3 |
| F 4 | 1 11 19 | 16° 0'02 | 0♏ 1 | 28°15 | 21°31 | 21°13 | 7°40 | 10°13 | 21°45 | 1°38 | 7°58 | 12°44 | 14° 3 | 16°55 | 19°36 | F 4 |
| S 5 | 1 15 15 | 16°59'56 | 11°50 | 29°34 | 22°45 | 21°57 | 7°42 | 10°15 | 21°45 | 1°39 | 8° 0 | 12°D43 | 14° 0 | 17° 1 | 19°33 | S 5 |
| S 6 | 1 19 12 | 17°59'53 | 23°43 | 0♎57 | 23°59 | 22°41 | 7°43 | 10°18 | 21°46 | 1°41 | 8° 3 | 12°44 | 13°57 | 17° 8 | 19°31 | S 6 |
| M 7 | 1 23 8 | 18°59'51 | 5♐43 | 2°23 | 25°14 | 23°25 | 7°45 | 10°20 | 21°46 | 1°43 | 8° 5 | 12°45 | 13°54 | 17°15 | 19°29 | M 7 |
| T 8 | 1 27 5 | 19°59'51 | 17°53 | 3°52 | 26°29 | 24°10 | 7°47 | 10°23 | 21°47 | 1°45 | 8° 7 | 12°47 | 13°51 | 17°21 | 19°27 | T 8 |
| W 9 | 1 31 1 | 20°59'52 | 0♑18 | 5°23 | 27°43 | 24°54 | 7°49 | 10°26 | 21°48 | 1°46 | 8°10 | 12°48 | 13°48 | 17°28 | 19°24 | W 9 |
| T 10 | 1 34 58 | 21°59'56 | 13° 0 | 6°56 | 28°58 | 25°39 | 7°51 | 10°29 | 21°48 | 1°48 | 8°12 | 12°49 | 13°44 | 17°34 | 19°22 | T 10 |
| F 11 | 1 38 54 | 23° 0'01 | 26° 4 | 8°30 | 0♎12 | 26°23 | 7°53 | 10°32 | 21°49 | 1°50 | 8°14 | 12°R50 | 13°41 | 17°41 | 19°20 | F 11 |
| S 12 | 1 42 51 | 24° 0'07 | 9♒33 | 10° 5 | 1°27 | 27° 8 | 7°56 | 10°35 | 21°50 | 1°52 | 8°17 | 12°49 | 13°38 | 17°48 | 19°18 | S 12 |
| S 13 | 1 46 48 | 25° 0'15 | 23°30 | 11°41 | 2°42 | 27°53 | 7°59 | 10°39 | 21°51 | 1°54 | 8°19 | 12°47 | 13°35 | 17°54 | 19°16 | S 13 |
| M14 | 1 50 44 | 26° 0'25 | 7♓52 | 13°17 | 3°57 | 28°38 | 8° 2 | 10°42 | 21°52 | 1°56 | 8°21 | 12°45 | 13°32 | 18° 1 | 19°14 | M14 |
| T 15 | 1 54 41 | 27° 0'36 | 22°38 | 14°55 | 5°12 | 29°22 | 8° 5 | 10°45 | 21°53 | 1°58 | 8°24 | 12°43 | 13°28 | 18° 8 | 19°12 | T 15 |
| W16 | 1 58 37 | 28° 0'49 | 7♈42 | 16°32 | 6°26 | 0♑ 7 | 8° 8 | 10°49 | 21°54 | 2° 0 | 8°26 | 12°41 | 13°25 | 18°14 | 19°10 | W16 |
| T 17 | 2 2 34 | 29° 1'03 | 22°55 | 18°10 | 7°41 | 0°52 | 8°12 | 10°53 | 21°55 | 2° 2 | 8°28 | 12°40 | 13°22 | 18°21 | 19° 8 | T 17 |
| F 18 | 2 6 30 | 0♏ 1'20 | 8♉ 8 | 19°48 | 8°56 | 1°37 | 8°16 | 10°56 | 21°56 | 2° 4 | 8°31 | 12°D40 | 13°19 | 18°28 | 19° 6 | F 18 |
| S 19 | 2 10 27 | 1° 1'38 | 23°10 | 21°25 | 10°11 | 2°22 | 8°20 | 11° 0 | 21°57 | 2° 6 | 8°33 | 12°40 | 13°16 | 18°34 | 19° 4 | S 19 |
| S 20 | 2 14 23 | 2° 1'58 | 7♊54 | 23° 3 | 11°26 | 3° 7 | 8°24 | 11° 4 | 21°58 | 2° 8 | 8°35 | 12°40 | 13°13 | 18°41 | 19° 2 | S 20 |
| M21 | 2 18 20 | 3° 2'20 | 22°13 | 24°41 | 12°41 | 3°53 | 8°28 | 11° 8 | 21°59 | 2°10 | 8°37 | 12°41 | 13° 9 | 18°48 | 19° 0 | M21 |
| T 22 | 2 22 17 | 4° 2'44 | 6♋ 6 | 26°18 | 13°56 | 4°38 | 8°33 | 11°12 | 22° 1 | 2°12 | 8°40 | 12°42 | 13° 6 | 18°54 | 18°59 | T 22 |
| W23 | 2 26 13 | 5° 3'10 | 19°31 | 27°56 | 15°11 | 5°23 | 8°38 | 11°16 | 22° 2 | 2°14 | 8°42 | 12°43 | 13° 3 | 19° 1 | 18°57 | W23 |
| T 24 | 2 30 10 | 6° 3'38 | 2♌31 | 29°33 | 16°26 | 6° 9 | 8°42 | 11°20 | 22° 3 | 2°16 | 8°44 | 12°R43 | 13° 0 | 19° 8 | 18°55 | T 24 |
| F 25 | 2 34 6 | 7° 4'08 | 15°10 | 1♏10 | 17°41 | 6°54 | 8°48 | 11°24 | 22° 5 | 2°18 | 8°46 | 12°43 | 12°57 | 19°14 | 18°54 | F 25 |
| S 26 | 2 38 3 | 8° 4'40 | 27°30 | 2°46 | 18°56 | 7°39 | 8°53 | 11°29 | 22° 6 | 2°20 | 8°48 | 12°43 | 12°54 | 19°21 | 18°52 | S 26 |
| S 27 | 2 41 59 | 9° 5'13 | 9♍36 | 4°23 | 20°12 | 8°25 | 8°58 | 11°33 | 22° 8 | 2°22 | 8°50 | 12°42 | 12°50 | 19°28 | 18°51 | S 27 |
| M28 | 2 45 56 | 10° 5'48 | 21°32 | 5°59 | 21°27 | 9°10 | 9° 4 | 11°38 | 22° 9 | 2°24 | 8°53 | 12°42 | 12°47 | 19°34 | 18°49 | M28 |
| T 29 | 2 49 52 | 11° 6'25 | 3♎23 | 7°35 | 22°42 | 9°56 | 9°10 | 11°42 | 22°11 | 2°26 | 8°55 | 12°41 | 12°44 | 19°41 | 18°48 | T 29 |
| W30 | 2 53 49 | 12° 7'04 | 15°11 | 9°11 | 23°57 | 10°42 | 9°16 | 11°47 | 22°13 | 2°28 | 8°57 | 12°41 | 12°41 | 19°48 | 18°46 | W30 |
| T 31 | 2 57 46 | 13♏ 7'44 | 26♎59 | 10♏46 | 25♎12 | 11♑27 | 9♒22 | 11♑52 | 22♑14 | 2♐31 | 8♎59 | 12°D41 | 12♏38 | 19♎54 | 18♓45 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s10 | 1s24 | 3s54 | 3n46 | 1n50 | 6n13 | 1n29 | 24s50 | 1s44 | 19s33 | 1s 7 | 23s13 | 0s 3 | 22s21 | 0s33 | 19s 4 | 1n33 | 12n 9 | 16n39 | 15s48 | 16s11 | 8s45 | 0s 0 | 4n27 |
| W 2 | 5 33 | 5 25 | 3 6 | 3 25 | 1 55 | 5 44 | 1 30 | 24 54 | 1 44 | 19 32 | 1 7 | 23 13 | 0 3 | 22 21 | 0 33 | 19 5 | 1 32 | 12 8 | 16 39 | 15 46 | 16 11 | 8 47 | 0 1 | 4 27 |
| T 3 | 5 56 | 9 12 | 2 11 | 3 1 | 1 59 | 5 16 | 1 30 | 24 57 | 1 44 | 19 32 | 1 7 | 23 13 | 0 3 | 22 21 | 0 33 | 19 5 | 1 32 | 12 7 | 16 39 | 15 45 | 16 10 | 8 49 | 0 2 | 4 27 |
| F 4 | 6 20 | 12 37 | 1 9 | 2 34 | 2 2 | 4 47 | 1 31 | 25 0 | 1 44 | 19 32 | 1 7 | 23 13 | 0 3 | 22 21 | 0 33 | 19 5 | 1 32 | 12 6 | 16 39 | 15 45 | 16 9 | 8 51 | 0 3 | 4 27 |
| S 5 | 6 43 | 15 33 | 0 5 | 2 4 | 2 4 | 4 18 | 1 32 | 25 2 | 1 43 | 19 31 | 1 7 | 23 13 | 0 3 | 22 21 | 0 33 | 19 6 | 1 32 | 12 5 | 16 39 | 15 44 | 16 8 | 8 53 | 0 4 | 4 27 |
| S 6 | 7 6 | 17 50 | 1n 0 | 1 32 | 2 5 | 3 49 | 1 32 | 25 5 | 1 43 | 19 31 | 1 7 | 23 13 | 0 3 | 22 21 | 0 33 | 19 6 | 1 32 | 12 4 | 16 40 | 15 45 | 16 7 | 8 55 | 0 5 | 4 26 |
| M 7 | 7 29 | 19 21 | 2 4 | 0 57 | 2 5 | 3 20 | 1 33 | 25 7 | 1 43 | 19 30 | 1 6 | 23 13 | 0 3 | 22 21 | 0 33 | 19 7 | 1 32 | 12 4 | 16 40 | 15 45 | 16 6 | 8 56 | 0 6 | 4 26 |
| T 8 | 7 52 | 19 59 | 3 2 | 0 21 | 2 4 | 2 50 | 1 34 | 25 9 | 1 43 | 19 29 | 1 6 | 23 13 | 0 3 | 22 20 | 0 33 | 19 7 | 1 32 | 12 3 | 16 40 | 15 45 | 16 5 | 8 58 | 0 8 | 4 26 |
| W 9 | 8 14 | 19 41 | 3 53 | 0s16 | 2 3 | 2 21 | 1 34 | 25 11 | 1 42 | 19 29 | 1 6 | 23 12 | 0 3 | 22 20 | 0 33 | 19 7 | 1 32 | 12 2 | 16 40 | 15 46 | 16 4 | 9 0 | 0 9 | 4 26 |
| T 10 | 8 37 | 18 22 | 4 35 | 0 55 | 2 1 | 1 51 | 1 34 | 25 12 | 1 42 | 19 28 | 1 6 | 23 12 | 0 3 | 22 20 | 0 33 | 19 8 | 1 32 | 12 1 | 16 40 | 15 46 | 16 3 | 9 2 | 0 10 | 4 26 |
| F 11 | 8 59 | 16 5 | 5 3 | 1 35 | 1 58 | 1 22 | 1 35 | 25 13 | 1 42 | 19 27 | 1 6 | 23 12 | 0 3 | 22 20 | 0 33 | 19 8 | 1 32 | 12 0 | 16 40 | 15 46 | 16 2 | 9 4 | 0 11 | 4 25 |
| S 12 | 9 22 | 12 53 | 5 16 | 2 16 | 1 54 | 0 52 | 1 35 | 25 14 | 1 42 | 19 27 | 1 6 | 23 12 | 0 3 | 22 20 | 0 33 | 19 9 | 1 32 | 12 0 | 16 40 | 15 46 | 16 1 | 9 6 | 0 12 | 4 25 |
| S 13 | 9 44 | 8 52 | 5 11 | 2 57 | 1 50 | 0 22 | 1 35 | 25 14 | 1 41 | 19 26 | 1 6 | 23 12 | 0 3 | 22 20 | 0 33 | 19 9 | 1 32 | 11 59 | 16 40 | 15 46 | 16 0 | 9 7 | 0 13 | 4 25 |
| M14 | 10 6 | 4 14 | 4 47 | 3 39 | 1 46 | 0s 8 | 1 35 | 25 15 | 1 41 | 19 25 | 1 6 | 23 12 | 0 3 | 22 20 | 0 33 | 19 9 | 1 32 | 11 58 | 16 41 | 15 45 | 15 59 | 9 9 | 0 14 | 4 25 |
| T 15 | 10 28 | 0n47 | 4 3 | 4 21 | 1 41 | 0 37 | 1 35 | 25 15 | 1 41 | 19 24 | 1 5 | 23 11 | 0 4 | 22 19 | 0 33 | 19 10 | 1 32 | 11 57 | 16 41 | 15 44 | 15 58 | 9 11 | 0 15 | 4 25 |
| W16 | 10 49 | 5 51 | 3 2 | 5 3 | 1 36 | 1 7 | 1 35 | 25 14 | 1 40 | 19 23 | 1 5 | 23 11 | 0 4 | 22 19 | 0 33 | 19 10 | 1 32 | 11 57 | 16 41 | 15 44 | 15 57 | 9 13 | 0 16 | 4 24 |
| T 17 | 11 11 | 10 37 | 1 47 | 5 45 | 1 31 | 1 37 | 1 35 | 25 14 | 1 40 | 19 22 | 1 5 | 23 11 | 0 4 | 22 19 | 0 33 | 19 11 | 1 32 | 11 56 | 16 41 | 15 43 | 15 56 | 9 15 | 0 16 | 4 24 |
| F 18 | 11 32 | 14 41 | 0 25 | 6 28 | 1 26 | 2 7 | 1 34 | 25 13 | 1 40 | 19 21 | 1 5 | 23 11 | 0 4 | 22 19 | 0 33 | 19 11 | 1 32 | 11 55 | 16 41 | 15 43 | 15 55 | 9 17 | 0 17 | 4 24 |
| S 19 | 11 54 | 17 44 | 0s58 | 7 10 | 1 20 | 2 37 | 1 34 | 25 12 | 1 39 | 19 19 | 1 5 | 23 10 | 0 4 | 22 19 | 0 33 | 19 11 | 1 32 | 11 55 | 16 42 | 15 43 | 15 54 | 9 18 | 0 18 | 4 24 |
| S 20 | 12 15 | 19 31 | 2 16 | 7 52 | 1 14 | 3 7 | 1 34 | 25 11 | 1 39 | 19 18 | 1 5 | 23 10 | 0 4 | 22 18 | 0 33 | 19 12 | 1 32 | 11 54 | 16 42 | 15 43 | 15 53 | 9 20 | 0 19 | 4 24 |
| M21 | 12 35 | 19 58 | 3 23 | 8 34 | 1 8 | 3 37 | 1 33 | 25 9 | 1 39 | 19 17 | 1 5 | 23 10 | 0 4 | 22 18 | 0 33 | 19 12 | 1 32 | 11 53 | 16 42 | 15 44 | 15 52 | 9 22 | 0 20 | 4 23 |
| T 22 | 12 56 | 19 10 | 4 15 | 9 15 | 1 1 | 4 6 | 1 33 | 25 7 | 1 38 | 19 16 | 1 5 | 23 10 | 0 4 | 22 18 | 0 33 | 19 13 | 1 32 | 11 53 | 16 42 | 15 44 | 15 51 | 9 24 | 0 21 | 4 23 |
| W23 | 13 17 | 17 19 | 4 52 | 9 56 | 0 55 | 4 36 | 1 32 | 25 5 | 1 38 | 19 14 | 1 4 | 23 9 | 0 4 | 22 18 | 0 33 | 19 13 | 1 32 | 11 52 | 16 43 | 15 44 | 15 50 | 9 26 | 0 22 | 4 23 |
| T 24 | 13 37 | 14 37 | 5 13 | 10 37 | 0 48 | 5 6 | 1 31 | 25 3 | 1 38 | 19 13 | 1 4 | 23 9 | 0 4 | 22 17 | 0 33 | 19 14 | 1 32 | 11 51 | 16 43 | 15 44 | 15 49 | 9 27 | 0 23 | 4 23 |
| F 25 | 13 57 | 11 19 | 5 18 | 11 17 | 0 42 | 5 35 | 1 31 | 25 0 | 1 37 | 19 11 | 1 4 | 23 9 | 0 4 | 22 17 | 0 33 | 19 14 | 1 32 | 11 51 | 16 43 | 15 44 | 15 48 | 9 29 | 0 24 | 4 22 |
| S 26 | 14 17 | 7 36 | 5 7 | 11 57 | 0 35 | 6 4 | 1 30 | 24 57 | 1 37 | 19 10 | 1 4 | 23 8 | 0 4 | 22 17 | 0 33 | 19 15 | 1 32 | 11 50 | 16 43 | 15 44 | 15 47 | 9 31 | 0 24 | 4 22 |
| S 27 | 14 36 | 3 38 | 4 44 | 12 36 | 0 28 | 6 34 | 1 29 | 24 54 | 1 36 | 19 8 | 1 4 | 23 8 | 0 4 | 22 17 | 0 33 | 19 15 | 1 32 | 11 50 | 16 44 | 15 44 | 15 47 | 9 33 | 0 25 | 4 22 |
| M28 | 14 55 | 0s25 | 4 8 | 13 15 | 0 22 | 7 3 | 1 28 | 24 51 | 1 36 | 19 7 | 1 4 | 23 8 | 0 4 | 22 16 | 0 33 | 19 15 | 1 32 | 11 49 | 16 44 | 15 44 | 15 46 | 9 35 | 0 26 | 4 22 |
| T 29 | 15 14 | 4 26 | 3 22 | 13 53 | 0 15 | 7 32 | 1 27 | 24 47 | 1 35 | 19 5 | 1 4 | 23 8 | 0 5 | 22 16 | 0 33 | 19 16 | 1 32 | 11 48 | 16 44 | 15 44 | 15 45 | 9 36 | 0 27 | 4 21 |
| W30 | 15 33 | 8 16 | 2 27 | 14 30 | 0 8 | 8 1 | 1 26 | 24 43 | 1 35 | 19 3 | 1 4 | 23 7 | 0 5 | 22 16 | 0 33 | 19 16 | 1 32 | 11 48 | 16 44 | 15 44 | 15 44 | 9 38 | 0 28 | 4 21 |
| T 31 | 15s52 | 11s47 | 1s26 | 15s 7 | 0n 2 | 8s29 | 1n25 | 24s39 | 1s35 | 19s 2 | 1s 3 | 23s 7 | 0s 5 | 22s16 | 0s33 | 19s17 | 1n32 | 11n47 | 16n45 | 15s44 | 15s43 | 9s40 | 0s28 | 4n21 |

Julian Day Number = 2082563.5, Delta T = 25m14s
Ecliptic obliquity = 23°34'06, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'36, Lahiri = 9°46'36 Julian Calendar 1 Oct. 989 == Greg. Calendar 6 Oct. 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## NOVEMBER 989 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 3 1 42 | 14♏ 8'26 | 8♏50 | 12♏22 | 26♎28 | 12♑13 | 9♒28 | 11♑56 | 22♑16 | 2♐33 | 9♎ 1 | 12°R41 | 12♏34 | 20♎ 1 | 18°R44 | F 1 |
| S 2 | 3 5 39 | 15° 9'10 | 20°45 | 13°57 | 27°43 | 12°59 | 9°34 | 12° 1 | 22°18 | 2°35 | 9° 3 | 12♏41 | 12°31 | 20° 8 | 18♓43 | S 2 |
| S 3 | 3 9 35 | 16° 9'55 | 2♐48 | 15°32 | 28°58 | 13°45 | 9°41 | 12° 6 | 22°20 | 2°37 | 9° 5 | 12°41 | 12°28 | 20°14 | 18°41 | S 3 |
| M 4 | 3 13 32 | 17°10'41 | 14°59 | 17° 7 | 0♏14 | 14°30 | 9°48 | 12°11 | 22°22 | 2°39 | 9° 7 | 12°41 | 12°25 | 20°21 | 18°40 | M 4 |
| T 5 | 3 17 28 | 18°11'28 | 27°21 | 18°41 | 1°29 | 15°16 | 9°55 | 12°16 | 22°24 | 2°41 | 9° 9 | 12°40 | 12°22 | 20°28 | 18°39 | T 5 |
| W 6 | 3 21 25 | 19°12'17 | 9♑56 | 20°16 | 2°44 | 16° 2 | 10° 2 | 12°21 | 22°26 | 2°44 | 9°11 | 12°39 | 12°19 | 20°34 | 18°38 | W 6 |
| T 7 | 3 25 21 | 20°13'06 | 22°45 | 21°50 | 4° 0 | 16°48 | 10° 9 | 12°27 | 22°28 | 2°46 | 9°13 | 12°38 | 12°15 | 20°41 | 18°37 | T 7 |
| F 8 | 3 29 18 | 21°13'57 | 5♒51 | 23°24 | 5°15 | 17°34 | 10°17 | 12°32 | 22°30 | 2°48 | 9°15 | 12°38 | 12°12 | 20°48 | 18°36 | F 8 |
| S 9 | 3 33 15 | 22°14'49 | 19°16 | 24°58 | 6°30 | 18°20 | 10°24 | 12°37 | 22°32 | 2°50 | 9°17 | 12°D37 | 12° 9 | 20°54 | 18°36 | S 9 |
| S 10 | 3 37 11 | 23°15'41 | 3♓ 1 | 26°32 | 7°46 | 19° 6 | 10°32 | 12°43 | 22°34 | 2°53 | 9°19 | 12°37 | 12° 6 | 21° 1 | 18°35 | S 10 |
| M11 | 3 41 8 | 24°16'34 | 17° 6 | 28° 6 | 9° 1 | 19°52 | 10°40 | 12°48 | 22°36 | 2°55 | 9°20 | 12°38 | 12° 3 | 21° 8 | 18°34 | M11 |
| T 12 | 3 45 4 | 25°17'28 | 1♈32 | 29°40 | 10°17 | 20°38 | 10°48 | 12°54 | 22°38 | 2°57 | 9°22 | 12°39 | 12° 0 | 21°14 | 18°33 | T 12 |
| W13 | 3 49 1 | 26°18'23 | 16°14 | 1♐14 | 11°32 | 21°25 | 10°56 | 12°59 | 22°41 | 2°59 | 9°24 | 12°40 | 11°56 | 21°21 | 18°33 | W13 |
| T 14 | 3 52 57 | 27°19'19 | 1♉ 8 | 2°48 | 12°47 | 22°11 | 11° 4 | 13° 5 | 22°43 | 3° 2 | 9°26 | 12°41 | 11°53 | 21°27 | 18°32 | T 14 |
| F 15 | 3 56 54 | 28°20'15 | 16° 6 | 4°22 | 14° 3 | 22°57 | 11°13 | 13°11 | 22°45 | 3° 4 | 9°28 | 12°R41 | 11°50 | 21°34 | 18°31 | F 15 |
| S 16 | 4 0 50 | 29°21'13 | 1♊ 1 | 5°56 | 15°18 | 23°43 | 11°21 | 13°16 | 22°48 | 3° 6 | 9°29 | 12°41 | 11°47 | 21°41 | 18°31 | S 16 |
| S 17 | 4 4 47 | 0♐22'12 | 15°44 | 7°30 | 16°34 | 24°29 | 11°30 | 13°22 | 22°50 | 3° 8 | 9°31 | 12°39 | 11°44 | 21°47 | 18°31 | S 17 |
| M18 | 4 8 44 | 1°23'12 | 0♋ 9 | 9° 3 | 17°49 | 25°15 | 11°39 | 13°28 | 22°53 | 3°11 | 9°33 | 12°37 | 11°40 | 21°54 | 18°30 | M18 |
| T 19 | 4 12 40 | 2°24'12 | 14°10 | 10°37 | 19° 5 | 26° 2 | 11°48 | 13°34 | 22°55 | 3°13 | 9°34 | 12°34 | 11°37 | 22° 1 | 18°30 | T 19 |
| W20 | 4 16 37 | 3°25'14 | 27°44 | 12°11 | 20°20 | 26°48 | 11°57 | 13°40 | 22°58 | 3°15 | 9°36 | 12°31 | 11°34 | 22° 7 | 18°30 | W20 |
| T 21 | 4 20 33 | 4°26'17 | 10♌52 | 13°45 | 21°35 | 27°34 | 12° 7 | 13°46 | 23° 0 | 3°17 | 9°38 | 12°28 | 11°31 | 22°14 | 18°29 | T 21 |
| F 22 | 4 24 30 | 5°27'21 | 23°36 | 15°19 | 22°51 | 28°21 | 12°16 | 13°52 | 23° 3 | 3°20 | 9°39 | 12°27 | 11°28 | 22°21 | 18°29 | F 22 |
| S 23 | 4 28 26 | 6°28'26 | 5♍58 | 16°53 | 24° 6 | 29° 7 | 12°26 | 13°58 | 23° 5 | 3°22 | 9°41 | 12°D26 | 11°25 | 22°27 | 18°29 | S 23 |
| S 24 | 4 32 23 | 7°29'32 | 18° 5 | 18°27 | 25°22 | 29°53 | 12°35 | 14° 4 | 23° 8 | 3°24 | 9°42 | 12°27 | 11°21 | 22°34 | 18°D29 | S 24 |
| M25 | 4 36 19 | 8°30'39 | 0♎ 0 | 20° 0 | 26°37 | 0♒39 | 12°45 | 14°10 | 23°11 | 3°26 | 9°44 | 12°28 | 11°18 | 22°41 | 18°29 | M25 |
| T 26 | 4 40 16 | 9°31'46 | 11°49 | 21°34 | 27°53 | 1°26 | 12°55 | 14°17 | 23°14 | 3°29 | 9°45 | 12°30 | 11°15 | 22°47 | 18°29 | T 26 |
| W27 | 4 44 13 | 10°32'55 | 23°36 | 23° 8 | 29° 8 | 2°12 | 13° 5 | 14°23 | 23°16 | 3°31 | 9°47 | 12°32 | 11°12 | 22°54 | 18°29 | W27 |
| T 28 | 4 48 9 | 11°34'04 | 5♏25 | 24°41 | 0♐24 | 2°59 | 13°15 | 14°29 | 23°19 | 3°33 | 9°48 | 12°33 | 11° 9 | 23° 1 | 18°29 | T 28 |
| F 29 | 4 52 6 | 12°35'14 | 17°21 | 26°14 | 1°39 | 3°45 | 13°25 | 14°36 | 23°22 | 3°36 | 9°49 | 12°R33 | 11° 5 | 23° 7 | 18°30 | F 29 |
| S 30 | 4 56 2 | 13♐36'25 | 29♏26 | 27♐47 | 2♐55 | 4♒31 | 13♒36 | 14♑42 | 23♑25 | 3♐38 | 9♎51 | 12♏32 | 11♏ 2 | 23♎14 | 18♓30 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s10 | 14s51 | 0s21 | 15s43 | 0s 5 | 8s58 | 1n24 | 24s34 | 1s34 | 19s 0 | 1s 3 | 23s 6 | 0s 5 | 22s15 | 0s33 | 19s17 | 1n32 | 11n47 | 16n45 | 15s44 | 15s42 | 9s42 | 0s29 | 4n21 |
| S 2 | 16 28 | 17 19 | 0n45 | 16 18 | 0 12 | 9 26 | 1 22 | 24 29 | 1 34 | 18 58 | 1 3 | 23 6 | 0 5 | 22 15 | 0 33 | 19 18 | 1 31 | 11 46 | 16 45 | 15 44 | 15 41 | 9 44 | 0 30 | 4 20 |
| S 3 | 16 46 | 19 2 | 1 50 | 16 52 | 0 18 | 9 54 | 1 21 | 24 24 | 1 33 | 18 56 | 1 3 | 23 6 | 0 5 | 22 15 | 0 33 | 19 18 | 1 31 | 11 46 | 16 46 | 15 44 | 15 40 | 9 45 | 0 30 | 4 20 |
| M 4 | 17 3 | 19 54 | 2 50 | 17 26 | 0 25 | 10 22 | 1 20 | 24 19 | 1 33 | 18 54 | 1 3 | 23 5 | 0 5 | 22 14 | 0 33 | 19 19 | 1 31 | 11 45 | 16 46 | 15 44 | 15 39 | 9 47 | 0 31 | 4 20 |
| T 5 | 17 20 | 19 49 | 3 44 | 17 59 | 0 31 | 10 50 | 1 18 | 24 13 | 1 32 | 18 52 | 1 3 | 23 5 | 0 5 | 22 14 | 0 33 | 19 19 | 1 31 | 11 45 | 16 46 | 15 43 | 15 38 | 9 49 | 0 32 | 4 20 |
| W 6 | 17 37 | 18 45 | 4 27 | 18 31 | 0 38 | 11 17 | 1 17 | 24 7 | 1 32 | 18 50 | 1 3 | 23 5 | 0 5 | 22 14 | 0 33 | 19 19 | 1 31 | 11 45 | 16 47 | 15 43 | 15 37 | 9 51 | 0 32 | 4 19 |
| T 7 | 17 54 | 16 44 | 4 59 | 19 2 | 0 44 | 11 44 | 1 15 | 24 1 | 1 31 | 18 48 | 1 3 | 23 4 | 0 5 | 22 13 | 0 33 | 19 20 | 1 31 | 11 44 | 16 47 | 15 43 | 15 36 | 9 52 | 0 33 | 4 19 |
| F 8 | 18 10 | 13 49 | 5 15 | 19 32 | 0 50 | 12 11 | 1 14 | 23 54 | 1 31 | 18 46 | 1 2 | 23 4 | 0 5 | 22 13 | 0 33 | 19 20 | 1 31 | 11 44 | 16 48 | 15 43 | 15 35 | 9 54 | 0 34 | 4 19 |
| S 9 | 18 26 | 10 8 | 5 15 | 20 1 | 0 56 | 12 37 | 1 12 | 23 48 | 1 30 | 18 44 | 1 2 | 23 3 | 0 5 | 22 13 | 0 33 | 19 21 | 1 31 | 11 43 | 16 48 | 15 43 | 15 34 | 9 56 | 0 34 | 4 19 |
| S 10 | 18 41 | 5 49 | 4 58 | 20 29 | 1 2 | 13 4 | 1 11 | 23 41 | 1 30 | 18 41 | 1 2 | 23 3 | 0 5 | 22 12 | 0 33 | 19 21 | 1 31 | 11 43 | 16 48 | 15 43 | 15 33 | 9 58 | 0 35 | 4 18 |
| M11 | 18 56 | 1 6 | 4 22 | 20 57 | 1 8 | 13 30 | 1 9 | 23 34 | 1 29 | 18 39 | 1 2 | 23 2 | 0 5 | 22 12 | 0 32 | 19 22 | 1 31 | 11 43 | 16 49 | 15 43 | 15 32 | 9 59 | 0 35 | 4 18 |
| T 12 | 19 11 | 3n48 | 3 29 | 21 23 | 1 13 | 13 55 | 1 7 | 23 26 | 1 29 | 18 37 | 1 2 | 23 2 | 0 6 | 22 11 | 0 32 | 19 22 | 1 31 | 11 42 | 16 49 | 15 43 | 15 31 | 10 1 | 0 36 | 4 18 |
| W13 | 19 26 | 8 36 | 2 22 | 21 48 | 1 19 | 14 20 | 1 5 | 23 18 | 1 28 | 18 34 | 1 2 | 23 1 | 0 6 | 22 11 | 0 32 | 19 23 | 1 31 | 11 42 | 16 49 | 15 43 | 15 30 | 10 3 | 0 36 | 4 18 |
| T 14 | 19 40 | 12 55 | 1 4 | 22 12 | 1 24 | 14 45 | 1 3 | 23 10 | 1 28 | 18 32 | 1 2 | 23 1 | 0 6 | 22 11 | 0 32 | 19 23 | 1 31 | 11 42 | 16 50 | 15 44 | 15 29 | 10 5 | 0 37 | 4 17 |
| F 15 | 19 54 | 16 27 | 0s19 | 22 35 | 1 29 | 15 10 | 1 2 | 23 2 | 1 27 | 18 30 | 1 2 | 23 0 | 0 6 | 22 10 | 0 32 | 19 23 | 1 31 | 11 41 | 16 50 | 15 44 | 15 28 | 10 6 | 0 37 | 4 17 |
| S 16 | 20 7 | 18 51 | 1 40 | 22 57 | 1 34 | 15 34 | 1 0 | 22 54 | 1 26 | 18 27 | 1 2 | 23 0 | 0 6 | 22 10 | 0 32 | 19 24 | 1 31 | 11 41 | 16 51 | 15 44 | 15 27 | 10 8 | 0 38 | 4 17 |
| S 17 | 20 20 | 19 56 | 2 53 | 23 18 | 1 39 | 15 57 | 0 58 | 22 45 | 1 26 | 18 25 | 1 2 | 22 59 | 0 6 | 22 9 | 0 32 | 19 24 | 1 31 | 11 41 | 16 51 | 15 43 | 15 26 | 10 10 | 0 38 | 4 16 |
| M18 | 20 33 | 19 41 | 3 53 | 23 37 | 1 43 | 16 21 | 0 56 | 22 36 | 1 25 | 18 22 | 1 1 | 22 59 | 0 6 | 22 9 | 0 32 | 19 25 | 1 31 | 11 41 | 16 52 | 15 42 | 15 25 | 10 12 | 0 39 | 4 16 |
| T 19 | 20 45 | 18 12 | 4 38 | 23 56 | 1 47 | 16 44 | 0 54 | 22 27 | 1 25 | 18 19 | 1 1 | 22 58 | 0 6 | 22 8 | 0 32 | 19 25 | 1 31 | 11 40 | 16 52 | 15 41 | 15 24 | 10 13 | 0 39 | 4 16 |
| W20 | 20 57 | 15 44 | 5 5 | 24 13 | 1 51 | 17 6 | 0 52 | 22 17 | 1 24 | 18 17 | 1 1 | 22 58 | 0 6 | 22 8 | 0 32 | 19 26 | 1 31 | 11 40 | 16 53 | 15 41 | 15 23 | 10 15 | 0 39 | 4 16 |
| T 21 | 21 9 | 12 32 | 5 16 | 24 29 | 1 55 | 17 28 | 0 49 | 22 7 | 1 24 | 18 14 | 1 1 | 22 57 | 0 6 | 22 8 | 0 32 | 19 26 | 1 31 | 11 40 | 16 53 | 15 40 | 15 22 | 10 17 | 0 40 | 4 15 |
| F 22 | 21 20 | 8 51 | 5 10 | 24 43 | 1 59 | 17 49 | 0 47 | 21 58 | 1 23 | 18 11 | 1 1 | 22 57 | 0 6 | 22 7 | 0 32 | 19 26 | 1 31 | 11 40 | 16 53 | 15 39 | 15 21 | 10 19 | 0 40 | 4 15 |
| S 23 | 21 30 | 4 53 | 4 50 | 24 56 | 2 2 | 18 10 | 0 45 | 21 47 | 1 22 | 18 8 | 1 1 | 22 56 | 0 6 | 22 7 | 0 32 | 19 27 | 1 31 | 11 40 | 16 54 | 15 39 | 15 20 | 10 20 | 0 40 | 4 15 |
| S 24 | 21 41 | 0 48 | 4 17 | 25 8 | 2 4 | 18 31 | 0 43 | 21 37 | 1 22 | 18 6 | 1 1 | 22 56 | 0 6 | 22 6 | 0 32 | 19 27 | 1 31 | 11 39 | 16 54 | 15 39 | 15 19 | 10 22 | 0 41 | 4 15 |
| M25 | 21 51 | 3s16 | 3 33 | 25 18 | 2 7 | 18 51 | 0 41 | 21 26 | 1 21 | 18 3 | 1 1 | 22 55 | 0 6 | 22 6 | 0 32 | 19 28 | 1 31 | 11 39 | 16 55 | 15 40 | 15 18 | 10 24 | 0 41 | 4 14 |
| T 26 | 22 0 | 7 10 | 2 41 | 25 27 | 2 9 | 19 10 | 0 38 | 21 15 | 1 21 | 18 0 | 1 1 | 22 54 | 0 7 | 22 5 | 0 32 | 19 28 | 1 31 | 11 39 | 16 55 | 15 40 | 15 17 | 10 25 | 0 41 | 4 14 |
| W27 | 22 9 | 10 48 | 1 42 | 25 34 | 2 11 | 19 29 | 0 36 | 21 4 | 1 20 | 17 57 | 1 1 | 22 54 | 0 7 | 22 5 | 0 32 | 19 29 | 1 31 | 11 39 | 16 56 | 15 41 | 15 16 | 10 27 | 0 41 | 4 14 |
| T 28 | 22 18 | 14 1 | 0 39 | 25 40 | 2 12 | 19 48 | 0 34 | 20 53 | 1 19 | 17 54 | 1 0 | 22 53 | 0 7 | 22 4 | 0 32 | 19 29 | 1 31 | 11 39 | 16 56 | 15 41 | 15 15 | 10 29 | 0 41 | 4 13 |
| F 29 | 22 26 | 16 41 | 0n26 | 25 44 | 2 13 | 20 5 | 0 32 | 20 42 | 1 19 | 17 51 | 1 0 | 22 53 | 0 7 | 22 4 | 0 32 | 19 29 | 1 31 | 11 39 | 16 57 | 15 41 | 15 14 | 10 31 | 0 42 | 4 13 |
| S 30 | 22s33 | 18s39 | 1n31 | 25s47 | 2s14 | 20s23 | 0n29 | 20s30 | 1s18 | 17s48 | 1s 0 | 22s52 | 0s 7 | 22s 3 | 0s32 | 19s30 | 1n31 | 11n39 | 16n57 | 15s41 | 15s13 | 10s32 | 0s42 | 4n13 |

Julian Day Number = 2082594.5, Delta T = 25m14s
Ecliptic obliquity = 23°34'06, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'40, Lahiri = 9°46'41 Julian Calendar 1 Nov. 989 == Greg. Calendar 6 Nov. 989


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# ASTRODIENST EPHEMERIS for the year 989
# geocentric

## DECEMBER 989 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 59 59 | 14♐37'36 | 11♐41 | 29♐20 | 4♐10 | 5♒18 | 13♒46 | 14♑49 | 23♑28 | 3♐40 | 9♎52 | 12°R29 | 10♏59 | 23♎21 | 18♓30 | S 1 |
| M 2 | 5 3 55 | 15°38'48 | 24° 9 | 0♑52 | 5°26 | 6° 4 | 13°57 | 14°55 | 23°31 | 3°42 | 9°53 | 12♏24 | 10°56 | 23°27 | 18°31 | M 2 |
| T 3 | 5 7 52 | 16°40'00 | 6♑50 | 2°23 | 6°41 | 6°51 | 14° 8 | 15° 2 | 23°34 | 3°44 | 9°55 | 12°18 | 10°53 | 23°34 | 18°31 | T 3 |
| W 4 | 5 11 48 | 17°41'12 | 19°44 | 3°54 | 7°57 | 7°37 | 14°19 | 15° 8 | 23°37 | 3°47 | 9°56 | 12°12 | 10°50 | 23°41 | 18°32 | W 4 |
| T 5 | 5 15 45 | 18°42'25 | 2♒51 | 5°23 | 9°13 | 8°23 | 14°30 | 15°15 | 23°40 | 3°49 | 9°57 | 12° 5 | 10°46 | 23°47 | 18°32 | T 5 |
| F 6 | 5 19 42 | 19°43'37 | 16°11 | 6°52 | 10°28 | 9°10 | 14°41 | 15°22 | 23°43 | 3°51 | 9°58 | 12° 0 | 10°43 | 23°54 | 18°33 | F 6 |
| S 7 | 5 23 38 | 20°44'50 | 29°43 | 8°18 | 11°44 | 9°56 | 14°52 | 15°28 | 23°46 | 3°53 | 9°59 | 11°56 | 10°40 | 24° 1 | 18°33 | S 7 |
| S 8 | 5 27 35 | 21°46'02 | 13♓28 | 9°44 | 12°59 | 10°43 | 15° 3 | 15°35 | 23°49 | 3°55 | 10° 0 | 11°54 | 10°37 | 24° 7 | 18°34 | S 8 |
| M 9 | 5 31 31 | 22°47'14 | 27°24 | 11° 7 | 14°15 | 11°29 | 15°15 | 15°42 | 23°52 | 3°58 | 10° 1 | 11°D54 | 10°34 | 24°14 | 18°35 | M 9 |
| T 10 | 5 35 28 | 23°48'26 | 11♈32 | 12°27 | 15°30 | 12°16 | 15°26 | 15°49 | 23°55 | 4° 0 | 10° 2 | 11°55 | 10°31 | 24°20 | 18°36 | T 10 |
| W11 | 5 39 24 | 24°49'38 | 25°51 | 13°45 | 16°46 | 13° 2 | 15°38 | 15°55 | 23°58 | 4° 2 | 10° 3 | 11°57 | 10°27 | 24°27 | 18°37 | W11 |
| T 12 | 5 43 21 | 25°50'49 | 10♉18 | 14°59 | 18° 1 | 13°48 | 15°49 | 16° 2 | 24° 2 | 4° 4 | 10° 4 | 11°R57 | 10°24 | 24°34 | 18°38 | T 12 |
| F 13 | 5 47 17 | 26°52'00 | 24°50 | 16° 9 | 19°16 | 14°35 | 16° 1 | 16° 9 | 24° 5 | 4° 6 | 10° 5 | 11°57 | 10°21 | 24°40 | 18°39 | F 13 |
| S 14 | 5 51 14 | 27°53'12 | 9♊21 | 17°14 | 20°32 | 15°21 | 16°13 | 16°16 | 24° 8 | 4° 8 | 10° 6 | 11°54 | 10°18 | 24°47 | 18°40 | S 14 |
| S 15 | 5 55 11 | 28°54'23 | 23°47 | 18°14 | 21°47 | 16° 8 | 16°25 | 16°23 | 24°11 | 4°10 | 10° 7 | 11°49 | 10°15 | 24°54 | 18°41 | S 15 |
| M16 | 5 59 7 | 29°55'33 | 8♋ 0 | 19° 7 | 23° 3 | 16°54 | 16°37 | 16°30 | 24°14 | 4°13 | 10° 8 | 11°42 | 10°11 | 25° 0 | 18°42 | M16 |
| T 17 | 6 3 4 | 0♑56'44 | 21°56 | 19°53 | 24°18 | 17°40 | 16°49 | 16°37 | 24°18 | 4°15 | 10° 9 | 11°33 | 10° 8 | 25° 7 | 18°43 | T 17 |
| W18 | 6 7 0 | 1°57'55 | 5♌30 | 20°31 | 25°34 | 18°27 | 17° 1 | 16°44 | 24°21 | 4°17 | 10° 9 | 11°24 | 10° 5 | 25°14 | 18°44 | W18 |
| T 19 | 6 10 57 | 2°59'05 | 18°40 | 21° 1 | 26°49 | 19°13 | 17°13 | 16°51 | 24°24 | 4°19 | 10°10 | 11°16 | 10° 2 | 25°20 | 18°46 | T 19 |
| F 20 | 6 14 53 | 4° 0'15 | 1♍28 | 21°20 | 28° 5 | 19°59 | 17°26 | 16°58 | 24°28 | 4°21 | 10°11 | 11° 9 | 9°59 | 25°27 | 18°47 | F 20 |
| S 21 | 6 18 50 | 5° 1'26 | 13°54 | 21°R29 | 29°20 | 20°46 | 17°38 | 17° 5 | 24°31 | 4°23 | 10°11 | 11° 4 | 9°56 | 25°34 | 18°48 | S 21 |
| S 22 | 6 22 47 | 6° 2'36 | 26° 3 | 21°27 | 0♑36 | 21°32 | 17°51 | 17°12 | 24°34 | 4°25 | 10°12 | 11° 2 | 9°52 | 25°40 | 18°50 | S 22 |
| M23 | 6 26 43 | 7° 3'46 | 7♎59 | 21°12 | 1°51 | 22°18 | 18° 3 | 17°19 | 24°38 | 4°27 | 10°12 | 11°D 1 | 9°49 | 25°47 | 18°51 | M23 |
| T 24 | 6 30 40 | 8° 4'55 | 19°48 | 20°47 | 3° 7 | 23° 4 | 18°16 | 17°26 | 24°41 | 4°29 | 10°13 | 11° 2 | 9°46 | 25°54 | 18°53 | T 24 |
| W25 | 6 34 36 | 9° 6'05 | 1♏36 | 20° 9 | 4°22 | 23°51 | 18°29 | 17°33 | 24°45 | 4°31 | 10°14 | 11° 3 | 9°43 | 26° 0 | 18°55 | W25 |
| T 26 | 6 38 33 | 10° 7'14 | 13°27 | 19°21 | 5°37 | 24°37 | 18°42 | 17°40 | 24°48 | 4°33 | 10°14 | 11°R 3 | 9°40 | 26° 7 | 18°56 | T 26 |
| F 27 | 6 42 29 | 11° 8'24 | 25°26 | 18°23 | 6°53 | 25°23 | 18°54 | 17°47 | 24°51 | 4°35 | 10°14 | 11° 2 | 9°37 | 26°14 | 18°58 | F 27 |
| S 28 | 6 46 26 | 12° 9'32 | 7♐38 | 17°17 | 8° 8 | 26° 9 | 19° 7 | 17°54 | 24°55 | 4°37 | 10°15 | 10°58 | 9°33 | 26°20 | 19° 0 | S 28 |
| S 29 | 6 50 22 | 13°10'41 | 20° 5 | 16° 4 | 9°24 | 26°55 | 19°20 | 18° 1 | 24°58 | 4°38 | 10°15 | 10°52 | 9°30 | 26°27 | 19° 2 | S 29 |
| M30 | 6 54 19 | 14°11'48 | 2♑50 | 14°48 | 10°39 | 27°42 | 19°34 | 18° 9 | 25° 2 | 4°40 | 10°15 | 10°43 | 9°27 | 26°33 | 19° 3 | M30 |
| T 31 | 6 58 16 | 15♑12'56 | 15♑52 | 13♑31 | 11♑55 | 28♒28 | 19♒47 | 18♑16 | 25♑ 5 | 4♐42 | 10♎16 | 10♏32 | 9♏24 | 26♎40 | 19♓ 5 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s41 | 19s47 | 2n33 | 25s48 | 2s14 | 20s39 | 0n27 | 20s18 | 1s17 | 17s45 | 1s 0 | 22s51 | 0s 7 | 22s 3 | 0s32 | 19s30 | 1n31 | 11n39 | 16n58 | 15s40 | 15s12 | 10s34 | 0s42 | 4n13 |
| M 2 | 22 47 | 19 58 | 3 28 | 25 47 | 2 13 | 20 55 | 0 24 | 20 6 | 1 17 | 17 41 | 1 0 | 22 51 | 0 7 | 22 2 | 0 32 | 19 31 | 1 31 | 11 39 | 16 58 | 15 38 | 15 11 | 10 36 | 0 42 | 4 12 |
| T 3 | 22 54 | 19 10 | 4 14 | 25 45 | 2 12 | 21 11 | 0 22 | 19 53 | 1 16 | 17 38 | 1 0 | 22 50 | 0 7 | 22 2 | 0 32 | 19 31 | 1 31 | 11 39 | 16 59 | 15 37 | 15 10 | 10 37 | 0 42 | 4 12 |
| W 4 | 23 0 | 17 22 | 4 48 | 25 41 | 2 10 | 21 26 | 0 20 | 19 41 | 1 16 | 17 35 | 1 0 | 22 49 | 0 7 | 22 1 | 0 32 | 19 32 | 1 31 | 11 39 | 16 59 | 15 35 | 15 9 | 10 39 | 0 42 | 4 12 |
| T 5 | 23 5 | 14 39 | 5 7 | 25 35 | 2 8 | 21 40 | 0 17 | 19 28 | 1 15 | 17 32 | 1 0 | 22 49 | 0 7 | 22 1 | 0 32 | 19 32 | 1 31 | 11 39 | 17 0 | 15 33 | 15 8 | 10 41 | 0 42 | 4 11 |
| F 6 | 23 10 | 11 8 | 5 10 | 25 28 | 2 5 | 21 54 | 0 15 | 19 15 | 1 14 | 17 28 | 1 0 | 22 48 | 0 7 | 22 0 | 0 32 | 19 32 | 1 31 | 11 39 | 17 0 | 15 31 | 15 7 | 10 42 | 0 42 | 4 11 |
| S 7 | 23 15 | 7 0 | 4 56 | 25 19 | 2 1 | 22 6 | 0 12 | 19 2 | 1 14 | 17 25 | 1 0 | 22 47 | 0 7 | 22 0 | 0 32 | 19 33 | 1 31 | 11 39 | 17 1 | 15 30 | 15 6 | 10 44 | 0 42 | 4 11 |
| S 8 | 23 19 | 2 27 | 4 25 | 25 9 | 1 57 | 22 19 | 0 10 | 18 49 | 1 13 | 17 21 | 1 0 | 22 46 | 0 7 | 21 59 | 0 32 | 19 33 | 1 31 | 11 39 | 17 2 | 15 29 | 15 5 | 10 46 | 0 42 | 4 11 |
| M 9 | 23 22 | 2n18 | 3 38 | 24 57 | 1 51 | 22 30 | 0 8 | 18 35 | 1 12 | 17 18 | 1 0 | 22 46 | 0 7 | 21 58 | 0 32 | 19 34 | 1 31 | 11 39 | 17 2 | 15 29 | 15 4 | 10 48 | 0 42 | 4 10 |
| T 10 | 23 25 | 7 0 | 2 38 | 24 44 | 1 45 | 22 41 | 0 5 | 18 21 | 1 12 | 17 15 | 1 0 | 22 45 | 0 7 | 21 58 | 0 32 | 19 34 | 1 31 | 11 39 | 17 3 | 15 30 | 15 3 | 10 49 | 0 42 | 4 10 |
| W11 | 23 28 | 11 23 | 1 26 | 24 29 | 1 38 | 22 52 | 0 3 | 18 7 | 1 11 | 17 11 | 1 0 | 22 44 | 0 8 | 21 57 | 0 32 | 19 34 | 1 31 | 11 39 | 17 3 | 15 30 | 15 2 | 10 51 | 0 42 | 4 10 |
| T 12 | 23 30 | 15 8 | 0 9 | 24 13 | 1 30 | 23 1 | 0 0 | 17 53 | 1 10 | 17 7 | 0 59 | 22 43 | 0 8 | 21 57 | 0 32 | 19 35 | 1 31 | 11 40 | 17 4 | 15 30 | 15 1 | 10 53 | 0 42 | 4 10 |
| F 13 | 23 32 | 17 57 | 1s 9 | 23 56 | 1 21 | 23 10 | 0s 2 | 17 39 | 1 9 | 17 4 | 0 59 | 22 43 | 0 8 | 21 56 | 0 32 | 19 35 | 1 31 | 11 40 | 17 4 | 15 30 | 15 0 | 10 54 | 0 42 | 4 9 |
| S 14 | 23 33 | 19 37 | 2 23 | 23 38 | 1 11 | 23 18 | 0 5 | 17 25 | 1 9 | 17 0 | 0 59 | 22 42 | 0 8 | 21 56 | 0 32 | 19 36 | 1 31 | 11 40 | 17 5 | 15 29 | 14 59 | 10 56 | 0 42 | 4 9 |
| S 15 | 23 34 | 19 59 | 3 26 | 23 19 | 1 0 | 23 26 | 0 7 | 17 10 | 1 8 | 16 57 | 0 59 | 22 41 | 0 8 | 21 55 | 0 32 | 19 36 | 1 31 | 11 40 | 17 5 | 15 28 | 14 58 | 10 58 | 0 41 | 4 9 |
| M16 | 23 34 | 19 4 | 4 16 | 22 59 | 0 48 | 23 32 | 0 9 | 16 55 | 1 7 | 16 53 | 0 59 | 22 40 | 0 8 | 21 54 | 0 32 | 19 36 | 1 31 | 11 40 | 17 6 | 15 25 | 14 57 | 10 59 | 0 41 | 4 8 |
| T 17 | 23 34 | 17 0 | 4 50 | 22 39 | 0 34 | 23 38 | 0 12 | 16 41 | 1 7 | 16 49 | 0 59 | 22 40 | 0 8 | 21 54 | 0 32 | 19 37 | 1 31 | 11 41 | 17 7 | 15 23 | 14 56 | 11 1 | 0 41 | 4 8 |
| W18 | 23 33 | 14 3 | 5 6 | 22 19 | 0 20 | 23 44 | 0 14 | 16 26 | 1 6 | 16 45 | 0 59 | 22 39 | 0 8 | 21 53 | 0 32 | 19 37 | 1 31 | 11 41 | 17 7 | 15 20 | 14 55 | 11 3 | 0 41 | 4 8 |
| T 19 | 23 32 | 10 29 | 5 5 | 21 59 | 0 4 | 23 48 | 0 16 | 16 10 | 1 5 | 16 42 | 0 59 | 22 38 | 0 8 | 21 53 | 0 32 | 19 37 | 1 31 | 11 41 | 17 8 | 15 17 | 14 54 | 11 4 | 0 40 | 4 8 |
| F 20 | 23 30 | 6 31 | 4 48 | 21 39 | 0n13 | 23 52 | 0 19 | 15 55 | 1 5 | 16 38 | 0 59 | 22 37 | 0 8 | 21 52 | 0 32 | 19 38 | 1 31 | 11 41 | 17 8 | 15 15 | 14 53 | 11 6 | 0 40 | 4 7 |
| S 21 | 23 28 | 2 23 | 4 19 | 21 21 | 0 30 | 23 55 | 0 21 | 15 40 | 1 4 | 16 34 | 0 59 | 22 36 | 0 8 | 21 52 | 0 32 | 19 38 | 1 31 | 11 42 | 17 9 | 15 14 | 14 52 | 11 7 | 0 40 | 4 7 |
| S 22 | 23 26 | 1s45 | 3 38 | 21 3 | 0 49 | 23 57 | 0 23 | 15 24 | 1 3 | 16 30 | 0 59 | 22 36 | 0 8 | 21 51 | 0 32 | 19 38 | 1 31 | 11 42 | 17 9 | 15 13 | 14 51 | 11 9 | 0 39 | 4 7 |
| M23 | 23 23 | 5 45 | 2 48 | 20 47 | 1 7 | 23 59 | 0 26 | 15 8 | 1 2 | 16 26 | 0 59 | 22 35 | 0 8 | 21 50 | 0 32 | 19 39 | 1 32 | 11 42 | 17 10 | 15 13 | 14 50 | 11 11 | 0 39 | 4 7 |
| T 24 | 23 19 | 9 30 | 1 52 | 20 32 | 1 27 | 24 0 | 0 28 | 14 52 | 1 2 | 16 22 | 0 59 | 22 34 | 0 8 | 21 50 | 0 32 | 19 39 | 1 32 | 11 43 | 17 11 | 15 13 | 14 49 | 11 12 | 0 39 | 4 6 |
| W25 | 23 15 | 12 53 | 0 51 | 20 18 | 1 46 | 24 0 | 0 30 | 14 36 | 1 1 | 16 18 | 0 59 | 22 33 | 0 9 | 21 49 | 0 32 | 19 39 | 1 32 | 11 43 | 17 11 | 15 13 | 14 48 | 11 14 | 0 38 | 4 6 |
| T 26 | 23 11 | 15 45 | 0n13 | 20 7 | 2 4 | 23 59 | 0 32 | 14 20 | 1 0 | 16 14 | 0 59 | 22 32 | 0 9 | 21 48 | 0 32 | 19 40 | 1 32 | 11 43 | 17 12 | 15 13 | 14 47 | 11 16 | 0 38 | 4 6 |
| F 27 | 23 6 | 17 59 | 1 16 | 19 58 | 2 22 | 23 58 | 0 35 | 14 4 | 1 0 | 16 10 | 0 59 | 22 31 | 0 9 | 21 48 | 0 32 | 19 40 | 1 32 | 11 44 | 17 12 | 15 13 | 14 46 | 11 17 | 0 37 | 4 6 |
| S 28 | 23 1 | 19 27 | 2 17 | 19 50 | 2 38 | 23 56 | 0 37 | 13 47 | 0 59 | 16 6 | 0 59 | 22 30 | 0 9 | 21 47 | 0 32 | 19 40 | 1 32 | 11 44 | 17 13 | 15 12 | 14 45 | 11 19 | 0 37 | 4 5 |
| S 29 | 22 55 | 19 59 | 3 13 | 19 44 | 2 53 | 23 53 | 0 39 | 13 31 | 0 58 | 16 2 | 0 59 | 22 30 | 0 9 | 21 47 | 0 32 | 19 41 | 1 32 | 11 44 | 17 14 | 15 10 | 14 44 | 11 21 | 0 37 | 4 5 |
| M30 | 22 48 | 19 32 | 4 0 | 19 40 | 3 5 | 23 49 | 0 41 | 13 14 | 0 57 | 15 57 | 0 59 | 22 29 | 0 9 | 21 46 | 0 32 | 19 41 | 1 32 | 11 45 | 17 14 | 15 7 | 14 43 | 11 22 | 0 36 | 4 5 |
| T 31 | 22s42 | 18s 4 | 4n36 | 19s38 | 3n16 | 23s45 | 0s43 | 12s57 | 0s57 | 15s53 | 0s59 | 22s28 | 0s 9 | 21s45 | 0s32 | 19s41 | 1n32 | 11n45 | 17n15 | 15s 4 | 14s42 | 11s24 | 0s36 | 4n 5 |

Julian Day Number = 2082624.5, Delta T = 25m13s
Ecliptic obliquity = 23°34'05, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'44, Lahiri = 9°46'45 Julian Calendar 1 Dec. 989 == Greg. Calendar 6 Dec. 989


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## JANUARY 990 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 2 12 | 16♑14'02 | 29♑10 | 12°R14 | 13♑10 | 29♒14 | 20♒ 0 | 18♑23 | 25♑ 9 | 4♐44 | 10♎16 | 10°R20 | 9♏21 | 26♎47 | 19♓ 7 | W 1 |
| T 2 | 7 6 9 | 17°15'07 | 12♒43 | 11♑ 0 | 14°25 | 0♓ 0 | 20°13 | 18°30 | 25°12 | 4°46 | 10°16 | 10♏ 9 | 9°17 | 26°53 | 19° 9 | T 2 |
| F 3 | 7 10 5 | 18°16'12 | 26°27 | 9°51 | 15°41 | 0°46 | 20°27 | 18°37 | 25°16 | 4°48 | 10°16 | 9°58 | 9°14 | 27° 0 | 19°11 | F 3 |
| S 4 | 7 14 2 | 19°17'15 | 10♓19 | 8°49 | 16°56 | 1°32 | 20°40 | 18°44 | 25°19 | 4°49 | 10°16 | 9°50 | 9°11 | 27° 7 | 19°13 | S 4 |
| S 5 | 7 17 58 | 20°18'18 | 24°17 | 7°55 | 18°11 | 2°18 | 20°53 | 18°51 | 25°23 | 4°51 | 10°17 | 9°45 | 9° 8 | 27°13 | 19°15 | S 5 |
| M 6 | 7 21 55 | 21°19'19 | 8♈19 | 7° 9 | 19°27 | 3° 4 | 21° 7 | 18°59 | 25°26 | 4°53 | 10°17 | 9°43 | 9° 5 | 27°20 | 19°18 | M 6 |
| T 7 | 7 25 51 | 22°20'19 | 22°23 | 6°31 | 20°42 | 3°50 | 21°20 | 19° 6 | 25°30 | 4°54 | 10°R17 | 9°D42 | 9° 2 | 27°27 | 19°20 | T 7 |
| W 8 | 7 29 48 | 23°21'17 | 6♉28 | 6° 3 | 21°57 | 4°36 | 21°34 | 19°13 | 25°33 | 4°56 | 10°17 | 9°R42 | 8°58 | 27°33 | 19°22 | W 8 |
| T 9 | 7 33 45 | 24°22'15 | 20°34 | 5°43 | 23°13 | 5°22 | 21°48 | 19°20 | 25°37 | 4°58 | 10°17 | 9°42 | 8°55 | 27°40 | 19°24 | T 9 |
| F 10 | 7 37 41 | 25°23'11 | 4♊40 | 5°32 | 24°28 | 6° 8 | 22° 1 | 19°27 | 25°40 | 4°59 | 10°16 | 9°40 | 8°52 | 27°47 | 19°27 | F 10 |
| S 11 | 7 41 38 | 26°24'05 | 18°44 | 5°D29 | 25°43 | 6°54 | 22°15 | 19°34 | 25°44 | 5° 1 | 10°16 | 9°35 | 8°49 | 27°53 | 19°29 | S 11 |
| S 12 | 7 45 34 | 27°24'59 | 2♋42 | 5°34 | 26°59 | 7°40 | 22°29 | 19°41 | 25°47 | 5° 3 | 10°16 | 9°27 | 8°46 | 28° 0 | 19°32 | S 12 |
| M13 | 7 49 31 | 28°25'51 | 16°32 | 5°46 | 28°14 | 8°25 | 22°43 | 19°49 | 25°51 | 5° 4 | 10°16 | 9°16 | 8°43 | 28° 7 | 19°34 | M13 |
| T 14 | 7 53 27 | 29°26'42 | 0♌ 8 | 6° 4 | 29°29 | 9°11 | 22°57 | 19°56 | 25°54 | 5° 6 | 10°16 | 9° 4 | 8°39 | 28°13 | 19°36 | T 14 |
| W15 | 7 57 24 | 0♒27'31 | 13°29 | 6°29 | 0♒44 | 9°57 | 23°10 | 20° 3 | 25°58 | 5° 7 | 10°16 | 8°51 | 8°36 | 28°20 | 19°39 | W15 |
| T 16 | 8 1 20 | 1°28'20 | 26°31 | 6°59 | 2° 0 | 10°43 | 23°24 | 20°10 | 26° 1 | 5° 9 | 10°15 | 8°38 | 8°33 | 28°26 | 19°42 | T 16 |
| F 17 | 8 5 17 | 2°29'07 | 9♍14 | 7°34 | 3°15 | 11°28 | 23°38 | 20°17 | 26° 5 | 5°10 | 10°15 | 8°27 | 8°30 | 28°33 | 19°44 | F 17 |
| S 18 | 8 9 14 | 3°29'53 | 21°39 | 8°14 | 4°30 | 12°14 | 23°52 | 20°24 | 26° 8 | 5°11 | 10°15 | 8°18 | 8°27 | 28°40 | 19°47 | S 18 |
| S 19 | 8 13 10 | 4°30'38 | 3♎48 | 8°58 | 5°45 | 13° 0 | 24° 7 | 20°31 | 26°12 | 5°13 | 10°14 | 8°13 | 8°23 | 28°46 | 19°50 | S 19 |
| M20 | 8 17 7 | 5°31'22 | 15°45 | 9°46 | 7° 1 | 13°45 | 24°21 | 20°38 | 26°15 | 5°14 | 10°14 | 8° 9 | 8°20 | 28°53 | 19°52 | M20 |
| T 21 | 8 21 3 | 6°32'05 | 27°34 | 10°38 | 8°16 | 14°31 | 24°35 | 20°45 | 26°19 | 5°15 | 10°13 | 8° 8 | 8°17 | 29° 0 | 19°55 | T 21 |
| W22 | 8 25 0 | 7°32'46 | 9♏22 | 11°33 | 9°31 | 15°16 | 24°49 | 20°52 | 26°22 | 5°17 | 10°13 | 8° 8 | 8°14 | 29° 6 | 19°58 | W22 |
| T 23 | 8 28 56 | 8°33'26 | 21°13 | 12°31 | 10°46 | 16° 2 | 25° 3 | 20°59 | 26°26 | 5°18 | 10°12 | 8° 8 | 8°11 | 29°13 | 20° 1 | T 23 |
| F 24 | 8 32 53 | 9°34'06 | 3♐14 | 13°31 | 12° 1 | 16°47 | 25°17 | 21° 6 | 26°29 | 5°19 | 10°12 | 8° 6 | 8° 8 | 29°20 | 20° 3 | F 24 |
| S 25 | 8 36 49 | 10°34'44 | 15°28 | 14°35 | 13°16 | 17°33 | 25°32 | 21°13 | 26°33 | 5°20 | 10°11 | 8° 3 | 8° 4 | 29°26 | 20° 6 | S 25 |
| S 26 | 8 40 46 | 11°35'20 | 28° 1 | 15°40 | 14°32 | 18°18 | 25°46 | 21°19 | 26°36 | 5°22 | 10°10 | 7°56 | 8° 1 | 29°33 | 20° 9 | S 26 |
| M27 | 8 44 43 | 12°35'56 | 10♑56 | 16°48 | 15°47 | 19° 3 | 26° 0 | 21°26 | 26°39 | 5°23 | 10°10 | 7°47 | 7°58 | 29°40 | 20°12 | M27 |
| T 28 | 8 48 39 | 13°36'30 | 24°13 | 17°58 | 17° 2 | 19°49 | 26°14 | 21°33 | 26°43 | 5°24 | 10° 9 | 7°35 | 7°55 | 29°46 | 20°15 | T 28 |
| W29 | 8 52 36 | 14°37'02 | 7♒52 | 19°10 | 18°17 | 20°34 | 26°29 | 21°40 | 26°46 | 5°25 | 10° 8 | 7°23 | 7°52 | 29°53 | 20°18 | W29 |
| T 30 | 8 56 32 | 15°37'33 | 21°50 | 20°23 | 19°32 | 21°19 | 26°43 | 21°47 | 26°50 | 5°26 | 10° 7 | 7°10 | 7°49 | 29°59 | 20°21 | T 30 |
| F 31 | 9 0 29 | 16♒38'02 | 6♓ 1 | 21♑39 | 20♒47 | 22♓ 4 | 26♒57 | 21♑53 | 26♑53 | 5♐27 | 10♎ 7 | 6♏58 | 7♏45 | 0♏ 6 | 20♓24 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s35 | 15s35 | 4n57 | 19s37 | 3n24 | 23s40 | 0s45 | 12s40 | 0s56 | 15s49 | 0s59 | 22s27 | 0s 9 | 21s45 | 0s32 | 19s42 | 1n32 | 11n46 | 17n15 | 15s 0 | 14s41 | 11s25 | 0s35 | 4n 4 |
| T 2 | 22 27 | 12 15 | 5 2 | 19 38 | 3 29 | 23 34 | 0 47 | 12 23 | 0 55 | 15 45 | 0 58 | 22 26 | 0 9 | 21 44 | 0 32 | 19 42 | 1 32 | 11 46 | 17 16 | 14 56 | 14 40 | 11 27 | 0 34 | 4 4 |
| F 3 | 22 19 | 8 13 | 4 50 | 19 41 | 3 32 | 23 27 | 0 49 | 12 6 | 0 54 | 15 41 | 0 58 | 22 25 | 0 9 | 21 43 | 0 32 | 19 42 | 1 32 | 11 47 | 17 16 | 14 53 | 14 39 | 11 29 | 0 34 | 4 4 |
| S 4 | 22 10 | 3 42 | 4 21 | 19 44 | 3 32 | 23 20 | 0 51 | 11 49 | 0 54 | 15 36 | 0 58 | 22 24 | 0 9 | 21 43 | 0 32 | 19 43 | 1 32 | 11 47 | 17 17 | 14 51 | 14 38 | 11 30 | 0 33 | 4 4 |
| S 5 | 22 1 | 1n 2 | 3 37 | 19 49 | 3 31 | 23 12 | 0 53 | 11 32 | 0 53 | 15 32 | 0 58 | 22 23 | 0 9 | 21 42 | 0 32 | 19 43 | 1 32 | 11 48 | 17 18 | 14 49 | 14 37 | 11 32 | 0 33 | 4 3 |
| M 6 | 21 52 | 5 44 | 2 39 | 19 55 | 3 27 | 23 3 | 0 55 | 11 15 | 0 52 | 15 27 | 0 58 | 22 22 | 0 9 | 21 41 | 0 32 | 19 43 | 1 32 | 11 48 | 17 18 | 14 48 | 14 36 | 11 33 | 0 32 | 4 3 |
| T 7 | 21 42 | 10 9 | 1 31 | 20 2 | 3 22 | 22 54 | 0 57 | 10 57 | 0 51 | 15 23 | 0 58 | 22 21 | 0 9 | 21 41 | 0 32 | 19 43 | 1 32 | 11 49 | 17 19 | 14 48 | 14 35 | 11 35 | 0 31 | 4 3 |
| W 8 | 21 32 | 14 1 | 0 17 | 20 10 | 3 16 | 22 44 | 0 58 | 10 40 | 0 51 | 15 19 | 0 58 | 22 20 | 0 10 | 21 40 | 0 32 | 19 44 | 1 32 | 11 49 | 17 19 | 14 48 | 14 34 | 11 37 | 0 31 | 4 3 |
| T 9 | 21 22 | 17 4 | 0s57 | 20 19 | 3 8 | 22 33 | 1 0 | 10 22 | 0 50 | 15 14 | 0 58 | 22 19 | 0 10 | 21 40 | 0 32 | 19 44 | 1 32 | 11 50 | 17 20 | 14 48 | 14 33 | 11 38 | 0 30 | 4 2 |
| F 10 | 21 11 | 19 5 | 2 8 | 20 28 | 2 59 | 22 21 | 1 2 | 10 4 | 0 49 | 15 10 | 0 58 | 22 19 | 0 10 | 21 39 | 0 32 | 19 44 | 1 32 | 11 50 | 17 21 | 14 47 | 14 32 | 11 40 | 0 29 | 4 2 |
| S 11 | 20 59 | 19 55 | 3 11 | 20 37 | 2 50 | 22 9 | 1 3 | 9 46 | 0 48 | 15 5 | 0 58 | 22 18 | 0 10 | 21 38 | 0 32 | 19 44 | 1 32 | 11 51 | 17 21 | 14 46 | 14 31 | 11 41 | 0 29 | 4 2 |
| S 12 | 20 47 | 19 31 | 4 2 | 20 47 | 2 40 | 21 56 | 1 5 | 9 29 | 0 48 | 15 1 | 0 58 | 22 17 | 0 10 | 21 38 | 0 32 | 19 45 | 1 32 | 11 51 | 17 22 | 14 43 | 14 30 | 11 43 | 0 28 | 4 2 |
| M13 | 20 35 | 17 57 | 4 38 | 20 57 | 2 30 | 21 43 | 1 6 | 9 11 | 0 47 | 14 56 | 0 58 | 22 16 | 0 10 | 21 37 | 0 32 | 19 45 | 1 32 | 11 52 | 17 22 | 14 40 | 14 29 | 11 45 | 0 27 | 4 2 |
| T 14 | 20 23 | 15 23 | 4 57 | 21 7 | 2 19 | 21 29 | 1 8 | 8 53 | 0 46 | 14 52 | 0 58 | 22 15 | 0 10 | 21 36 | 0 32 | 19 45 | 1 32 | 11 53 | 17 23 | 14 36 | 14 28 | 11 46 | 0 26 | 4 1 |
| W15 | 20 10 | 12 5 | 5 0 | 21 17 | 2 8 | 21 14 | 1 9 | 8 35 | 0 45 | 14 47 | 0 58 | 22 14 | 0 10 | 21 36 | 0 32 | 19 45 | 1 32 | 11 53 | 17 23 | 14 31 | 14 27 | 11 48 | 0 25 | 4 1 |
| T 16 | 19 56 | 8 15 | 4 46 | 21 26 | 1 57 | 20 58 | 1 11 | 8 17 | 0 45 | 14 42 | 0 58 | 22 13 | 0 10 | 21 35 | 0 32 | 19 46 | 1 32 | 11 54 | 17 24 | 14 27 | 14 26 | 11 49 | 0 25 | 4 1 |
| F 17 | 19 43 | 4 9 | 4 19 | 21 35 | 1 46 | 20 42 | 1 12 | 7 59 | 0 44 | 14 38 | 0 58 | 22 12 | 0 10 | 21 34 | 0 32 | 19 46 | 1 32 | 11 54 | 17 24 | 14 24 | 14 25 | 11 51 | 0 24 | 4 1 |
| S 18 | 19 29 | 0s 2 | 3 40 | 21 44 | 1 35 | 20 26 | 1 13 | 7 40 | 0 43 | 14 33 | 0 58 | 22 11 | 0 10 | 21 34 | 0 32 | 19 46 | 1 32 | 11 55 | 17 25 | 14 21 | 14 24 | 11 53 | 0 23 | 4 1 |
| S 19 | 19 14 | 4 8 | 2 51 | 21 52 | 1 24 | 20 8 | 1 15 | 7 22 | 0 42 | 14 28 | 0 58 | 22 10 | 0 10 | 21 33 | 0 32 | 19 46 | 1 32 | 11 56 | 17 26 | 14 19 | 14 23 | 11 54 | 0 22 | 4 0 |
| M20 | 18 59 | 8 0 | 1 56 | 22 0 | 1 13 | 19 50 | 1 16 | 7 4 | 0 42 | 14 24 | 0 58 | 22 9 | 0 10 | 21 32 | 0 32 | 19 46 | 1 32 | 11 56 | 17 26 | 14 18 | 14 22 | 11 56 | 0 21 | 4 0 |
| T 21 | 18 44 | 11 32 | 0 56 | 22 6 | 1 2 | 19 32 | 1 17 | 6 45 | 0 41 | 14 19 | 0 58 | 22 8 | 0 11 | 21 32 | 0 32 | 19 47 | 1 32 | 11 57 | 17 27 | 14 18 | 14 21 | 11 57 | 0 20 | 4 0 |
| W22 | 18 29 | 14 35 | 0n 7 | 22 12 | 0 52 | 19 13 | 1 18 | 6 27 | 0 40 | 14 14 | 0 58 | 22 7 | 0 11 | 21 31 | 0 32 | 19 47 | 1 32 | 11 58 | 17 27 | 14 18 | 14 20 | 11 59 | 0 19 | 4 0 |
| T 23 | 18 13 | 17 3 | 1 9 | 22 18 | 0 41 | 18 54 | 1 19 | 6 9 | 0 39 | 14 9 | 0 58 | 22 6 | 0 11 | 21 30 | 0 32 | 19 47 | 1 32 | 11 59 | 17 28 | 14 18 | 14 19 | 12 0 | 0 18 | 4 0 |
| F 24 | 17 57 | 18 48 | 2 9 | 22 22 | 0 31 | 18 33 | 1 20 | 5 50 | 0 39 | 14 5 | 0 58 | 22 5 | 0 11 | 21 30 | 0 32 | 19 47 | 1 33 | 11 59 | 17 28 | 14 17 | 14 18 | 12 2 | 0 18 | 3 59 |
| S 25 | 17 41 | 19 43 | 3 4 | 22 25 | 0 21 | 18 13 | 1 21 | 5 32 | 0 38 | 14 0 | 0 58 | 22 4 | 0 11 | 21 29 | 0 32 | 19 47 | 1 33 | 12 0 | 17 29 | 14 16 | 14 16 | 12 3 | 0 17 | 3 59 |
| S 26 | 17 24 | 19 42 | 3 52 | 22 27 | 0 11 | 17 52 | 1 22 | 5 13 | 0 37 | 13 55 | 0 58 | 22 3 | 0 11 | 21 28 | 0 32 | 19 48 | 1 33 | 12 1 | 17 29 | 14 14 | 14 15 | 12 5 | 0 16 | 3 59 |
| M27 | 17 7 | 18 39 | 4 29 | 22 28 | 0 2 | 17 30 | 1 22 | 4 55 | 0 36 | 13 50 | 0 58 | 22 2 | 0 11 | 21 28 | 0 32 | 19 48 | 1 33 | 12 1 | 17 30 | 14 11 | 14 14 | 12 7 | 0 15 | 3 59 |
| T 28 | 16 50 | 16 35 | 4 53 | 22 28 | 0s 7 | 17 8 | 1 23 | 4 36 | 0 36 | 13 45 | 0 58 | 22 1 | 0 11 | 21 27 | 0 32 | 19 48 | 1 33 | 12 2 | 17 30 | 14 7 | 14 13 | 12 8 | 0 14 | 3 59 |
| W29 | 16 32 | 13 33 | 5 1 | 22 27 | 0 16 | 16 45 | 1 24 | 4 18 | 0 35 | 13 40 | 0 58 | 22 0 | 0 11 | 21 27 | 0 32 | 19 48 | 1 33 | 12 3 | 17 31 | 14 3 | 14 12 | 12 10 | 0 13 | 3 59 |
| T 30 | 16 14 | 9 43 | 4 51 | 22 25 | 0 25 | 16 22 | 1 24 | 3 59 | 0 34 | 13 35 | 0 58 | 21 59 | 0 11 | 21 26 | 0 32 | 19 48 | 1 33 | 12 4 | 17 31 | 13 59 | 14 11 | 12 11 | 0 12 | 3 58 |
| F 31 | 15s56 | 5s16 | 4n23 | 22s22 | 0s33 | 15s59 | 1s25 | 3s40 | 0s33 | 13s30 | 0s58 | 21s58 | 0s11 | 21s25 | 0s32 | 19s48 | 1n33 | 12n 4 | 17n32 | 13s55 | 14s10 | 12s13 | 0s10 | 3n58 |

Julian Day Number = 2082655.5, Delta T = 25m13s
Ecliptic obliquity = 23°34'05, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'49, Lahiri = 9°46'49 Julian Calendar 1 Jan. 990 == Greg. Calendar 6 Jan. 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## FEBRUARY 990 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 4 25 | 17♒38'29 | 20♓21 | 22♑56 | 22♒ 2 | 22♓49 | 27♒12 | 22♑ 0 | 26♑56 | 5♐28 | 10°R 6 | 6°R49 | 7♏42 | 0♏13 | 20♓27 | S 1 |
| S 2 | 9 8 22 | 18°38'54 | 4♈43 | 24°14 | 23°17 | 23°34 | 27°26 | 22° 7 | 27° 0 | 5°29 | 10♎ 5 | 6♏43 | 7°39 | 0°19 | 20°30 | S 2 |
| M 3 | 9 12 18 | 19°39'17 | 19° 3 | 25°34 | 24°32 | 24°20 | 27°41 | 22°13 | 27° 3 | 5°30 | 10° 4 | 6°40 | 7°36 | 0°26 | 20°33 | M 3 |
| T 4 | 9 16 15 | 20°39'39 | 3♉18 | 26°55 | 25°47 | 25° 5 | 27°55 | 22°20 | 27° 6 | 5°31 | 10° 3 | 6°D39 | 7°33 | 0°33 | 20°37 | T 4 |
| W 5 | 9 20 12 | 21°39'58 | 17°26 | 28°18 | 27° 2 | 25°50 | 28°10 | 22°27 | 27°10 | 5°32 | 10° 2 | 6°R39 | 7°29 | 0°39 | 20°40 | W 5 |
| T 6 | 9 24 8 | 22°40'15 | 1♊25 | 29°42 | 28°17 | 26°34 | 28°24 | 22°33 | 27°13 | 5°33 | 10° 1 | 6°39 | 7°26 | 0°46 | 20°43 | T 6 |
| F 7 | 9 28 5 | 23°40'31 | 15°17 | 1♒ 7 | 29°32 | 27°19 | 28°39 | 22°40 | 27°16 | 5°33 | 10° 0 | 6°37 | 7°23 | 0°53 | 20°46 | F 7 |
| S 8 | 9 32 1 | 24°40'44 | 28°59 | 2°33 | 0♓47 | 28° 4 | 28°53 | 22°46 | 27°19 | 5°34 | 9°59 | 6°33 | 7°20 | 0°59 | 20°49 | S 8 |
| S 9 | 9 35 58 | 25°40'55 | 12♋32 | 4° 1 | 2° 2 | 28°49 | 29° 7 | 22°52 | 27°23 | 5°35 | 9°58 | 6°26 | 7°17 | 1° 6 | 20°53 | S 9 |
| M10 | 9 39 54 | 26°41'04 | 25°56 | 5°29 | 3°17 | 29°34 | 29°22 | 22°59 | 27°26 | 5°36 | 9°57 | 6°17 | 7°14 | 1°13 | 20°56 | M10 |
| T 11 | 9 43 51 | 27°41'10 | 9♌ 8 | 6°59 | 4°31 | 0♈19 | 29°36 | 23° 5 | 27°29 | 5°36 | 9°56 | 6° 5 | 7°10 | 1°19 | 20°59 | T 11 |
| W12 | 9 47 47 | 28°41'15 | 22° 7 | 8°30 | 5°46 | 1° 3 | 29°51 | 23°11 | 27°32 | 5°37 | 9°55 | 5°53 | 7° 7 | 1°26 | 21° 3 | W12 |
| T 13 | 9 51 44 | 29°41'18 | 4♍52 | 10° 3 | 7° 1 | 1°48 | 0♓ 5 | 23°18 | 27°35 | 5°38 | 9°54 | 5°41 | 7° 4 | 1°33 | 21° 6 | T 13 |
| F 14 | 9 55 41 | 0♓41'19 | 17°23 | 11°36 | 8°16 | 2°32 | 0°20 | 23°24 | 27°38 | 5°38 | 9°53 | 5°31 | 7° 1 | 1°39 | 21° 9 | F 14 |
| S 15 | 9 59 37 | 1°41'18 | 29°40 | 13°10 | 9°31 | 3°17 | 0°34 | 23°30 | 27°41 | 5°39 | 9°51 | 5°23 | 6°58 | 1°46 | 21°13 | S 15 |
| S 16 | 10 3 34 | 2°41'15 | 11♎44 | 14°46 | 10°45 | 4° 1 | 0°49 | 23°36 | 27°44 | 5°39 | 9°50 | 5°18 | 6°55 | 1°53 | 21°16 | S 16 |
| M17 | 10 7 30 | 3°41'11 | 23°39 | 16°23 | 12° 0 | 4°46 | 1° 3 | 23°42 | 27°47 | 5°40 | 9°49 | 5°15 | 6°51 | 1°59 | 21°19 | M17 |
| T 18 | 10 11 27 | 4°41'04 | 5♏28 | 18° 1 | 13°15 | 5°30 | 1°18 | 23°48 | 27°50 | 5°40 | 9°48 | 5°D14 | 6°48 | 2° 6 | 21°23 | T 18 |
| W19 | 10 15 23 | 5°40'56 | 17°15 | 19°40 | 14°30 | 6°15 | 1°32 | 23°54 | 27°53 | 5°40 | 9°46 | 5°14 | 6°45 | 2°12 | 21°26 | W19 |
| T 20 | 10 19 20 | 6°40'47 | 29° 6 | 21°20 | 15°44 | 6°59 | 1°47 | 24° 0 | 27°56 | 5°41 | 9°45 | 5°15 | 6°42 | 2°19 | 21°30 | T 20 |
| F 21 | 10 23 16 | 7°40'35 | 11♐ 5 | 23° 1 | 16°59 | 7°43 | 2° 1 | 24° 6 | 27°59 | 5°41 | 9°44 | 5°R15 | 6°39 | 2°26 | 21°33 | F 21 |
| S 22 | 10 27 13 | 8°40'22 | 23°19 | 24°44 | 18°13 | 8°27 | 2°16 | 24°12 | 28° 2 | 5°42 | 9°42 | 5°14 | 6°35 | 2°32 | 21°37 | S 22 |
| S 23 | 10 31 9 | 9°40'07 | 5♑52 | 26°28 | 19°28 | 9°12 | 2°30 | 24°17 | 28° 5 | 5°42 | 9°41 | 5°11 | 6°32 | 2°39 | 21°40 | S 23 |
| M24 | 10 35 6 | 10°39'50 | 18°49 | 28°12 | 20°43 | 9°56 | 2°45 | 24°23 | 28° 8 | 5°42 | 9°39 | 5° 5 | 6°29 | 2°46 | 21°44 | M24 |
| T 25 | 10 39 3 | 11°39'32 | 2♒11 | 29°59 | 21°57 | 10°40 | 2°59 | 24°29 | 28°10 | 5°42 | 9°38 | 4°58 | 6°26 | 2°52 | 21°47 | T 25 |
| W26 | 10 42 59 | 12°39'11 | 15°59 | 1♓46 | 23°12 | 11°24 | 3°13 | 24°34 | 28°13 | 5°42 | 9°37 | 4°50 | 6°23 | 2°59 | 21°51 | W26 |
| T 27 | 10 46 56 | 13°38'49 | 0♓11 | 3°35 | 24°26 | 12° 8 | 3°28 | 24°40 | 28°16 | 5°43 | 9°35 | 4°41 | 6°20 | 3° 6 | 21°54 | T 27 |
| F 28 | 10 50 52 | 14♓38'24 | 14♓42 | 5♓25 | 25♓41 | 12♈52 | 3♓42 | 24♑45 | 28♑19 | 5♐43 | 9♎34 | 4♏33 | 6♏16 | 3♏12 | 21♓58 | F 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s38 | 0s29 | 3n39 | 22s17 | 0s41 | 15s35 | 1s25 | 3s22 | 0s33 | 13s25 | 0s58 | 21s57 | 0s11 | 21s25 | 0s32 | 19s48 | 1n33 | 12n 5 | 17n32 | 13s52 | 14s 9 | 12s14 | 0s 9 | 3n58 |
| S 2 | 15 19 | 4n20 | 2 41 | 22 11 | 0 49 | 15 11 | 1 26 | 3 3 | 0 32 | 13 21 | 0 58 | 21 56 | 0 11 | 21 24 | 0 32 | 19 49 | 1 33 | 12 6 | 17 33 | 13 50 | 14 8 | 12 16 | 0 8 | 3 58 |
| M 3 | 15 0 | 8 55 | 1 32 | 22 4 | 0 56 | 14 46 | 1 26 | 2 44 | 0 31 | 13 16 | 0 59 | 21 55 | 0 12 | 21 23 | 0 32 | 19 49 | 1 33 | 12 7 | 17 33 | 13 49 | 14 7 | 12 17 | 0 7 | 3 58 |
| T 4 | 14 41 | 12 58 | 0 18 | 21 55 | 1 3 | 14 21 | 1 26 | 2 26 | 0 30 | 13 11 | 0 59 | 21 54 | 0 12 | 21 23 | 0 32 | 19 49 | 1 33 | 12 7 | 17 34 | 13 49 | 14 6 | 12 19 | 0 6 | 3 58 |
| W 5 | 14 22 | 16 13 | 0s57 | 21 45 | 1 10 | 13 55 | 1 26 | 2 7 | 0 30 | 13 6 | 0 59 | 21 53 | 0 12 | 21 22 | 0 32 | 19 49 | 1 33 | 12 8 | 17 34 | 13 49 | 14 5 | 12 20 | 0 5 | 3 57 |
| T 6 | 14 2 | 18 29 | 2 7 | 21 34 | 1 17 | 13 29 | 1 27 | 1 49 | 0 29 | 13 1 | 0 59 | 21 52 | 0 12 | 21 21 | 0 32 | 19 49 | 1 33 | 12 9 | 17 35 | 13 49 | 14 4 | 12 22 | 0 4 | 3 57 |
| F 7 | 13 42 | 19 36 | 3 10 | 21 22 | 1 23 | 13 3 | 1 27 | 1 30 | 0 28 | 12 56 | 0 59 | 21 51 | 0 12 | 21 21 | 0 32 | 19 49 | 1 33 | 12 10 | 17 35 | 13 48 | 14 3 | 12 23 | 0 3 | 3 57 |
| S 8 | 13 22 | 19 34 | 4 0 | 21 8 | 1 29 | 12 36 | 1 27 | 1 11 | 0 27 | 12 50 | 0 59 | 21 50 | 0 12 | 21 20 | 0 32 | 19 49 | 1 33 | 12 11 | 17 36 | 13 47 | 14 2 | 12 25 | 0 2 | 3 57 |
| S 9 | 13 2 | 18 23 | 4 37 | 20 53 | 1 34 | 12 9 | 1 27 | 0 53 | 0 27 | 12 45 | 0 59 | 21 49 | 0 12 | 21 20 | 0 32 | 19 49 | 1 33 | 12 11 | 17 36 | 13 44 | 14 1 | 12 26 | 0 0 | 3 57 |
| M10 | 12 41 | 16 12 | 4 57 | 20 36 | 1 39 | 11 42 | 1 26 | 0 34 | 0 26 | 12 40 | 0 59 | 21 48 | 0 12 | 21 19 | 0 32 | 19 49 | 1 33 | 12 12 | 17 36 | 13 41 | 14 0 | 12 28 | 0n 1 | 3 57 |
| T 11 | 12 20 | 13 13 | 5 2 | 20 18 | 1 44 | 11 14 | 1 26 | 0 16 | 0 25 | 12 35 | 0 59 | 21 47 | 0 12 | 21 18 | 0 32 | 19 49 | 1 33 | 12 13 | 17 37 | 13 37 | 13 59 | 12 29 | 0 2 | 3 57 |
| W12 | 12 0 | 9 38 | 4 50 | 19 58 | 1 48 | 10 47 | 1 26 | 0n 3 | 0 24 | 12 30 | 0 59 | 21 46 | 0 12 | 21 18 | 0 32 | 19 50 | 1 33 | 12 14 | 17 37 | 13 33 | 13 58 | 12 31 | 0 3 | 3 56 |
| T 13 | 11 39 | 5 40 | 4 25 | 19 38 | 1 52 | 10 18 | 1 26 | 0 21 | 0 24 | 12 25 | 0 59 | 21 45 | 0 12 | 21 17 | 0 33 | 19 50 | 1 33 | 12 15 | 17 38 | 13 29 | 13 57 | 12 32 | 0 4 | 3 56 |
| F 14 | 11 17 | 1 32 | 3 46 | 19 15 | 1 56 | 9 50 | 1 25 | 0 40 | 0 23 | 12 20 | 0 59 | 21 44 | 0 12 | 21 17 | 0 33 | 19 50 | 1 33 | 12 15 | 17 38 | 13 26 | 13 56 | 12 34 | 0 5 | 3 56 |
| S 15 | 10 56 | 2s35 | 2 58 | 18 51 | 1 59 | 9 21 | 1 25 | 0 58 | 0 22 | 12 15 | 0 59 | 21 43 | 0 13 | 21 16 | 0 33 | 19 50 | 1 33 | 12 16 | 17 38 | 13 23 | 13 55 | 12 35 | 0 7 | 3 56 |
| S 16 | 10 34 | 6 32 | 2 2 | 18 26 | 2 2 | 8 52 | 1 24 | 1 17 | 0 21 | 12 10 | 0 59 | 21 42 | 0 13 | 21 15 | 0 33 | 19 50 | 1 34 | 12 17 | 17 39 | 13 21 | 13 54 | 12 37 | 0 8 | 3 56 |
| M17 | 10 13 | 10 11 | 1 2 | 18 0 | 2 5 | 8 23 | 1 24 | 1 35 | 0 21 | 12 5 | 0 59 | 21 41 | 0 13 | 21 15 | 0 33 | 19 50 | 1 34 | 12 18 | 17 39 | 13 20 | 13 53 | 12 38 | 0 9 | 3 56 |
| T 18 | 9 51 | 13 24 | 0n 1 | 17 31 | 2 7 | 7 54 | 1 23 | 1 54 | 0 20 | 12 0 | 0 59 | 21 40 | 0 13 | 21 14 | 0 33 | 19 50 | 1 34 | 12 19 | 17 40 | 13 20 | 13 52 | 12 40 | 0 10 | 3 56 |
| W19 | 9 29 | 16 3 | 1 4 | 17 2 | 2 8 | 7 24 | 1 22 | 2 12 | 0 19 | 11 54 | 0 59 | 21 39 | 0 13 | 21 14 | 0 33 | 19 50 | 1 34 | 12 20 | 17 40 | 13 20 | 13 50 | 12 41 | 0 12 | 3 56 |
| T 20 | 9 6 | 18 2 | 2 4 | 16 31 | 2 10 | 6 54 | 1 22 | 2 30 | 0 19 | 11 49 | 0 59 | 21 38 | 0 13 | 21 13 | 0 33 | 19 50 | 1 34 | 12 20 | 17 40 | 13 21 | 13 49 | 12 43 | 0 13 | 3 56 |
| F 21 | 8 44 | 19 15 | 3 0 | 15 58 | 2 10 | 6 24 | 1 21 | 2 48 | 0 18 | 11 44 | 0 59 | 21 37 | 0 13 | 21 13 | 0 33 | 19 50 | 1 34 | 12 21 | 17 41 | 13 21 | 13 48 | 12 44 | 0 14 | 3 55 |
| S 22 | 8 22 | 19 35 | 3 49 | 15 24 | 2 11 | 5 54 | 1 20 | 3 7 | 0 17 | 11 39 | 0 59 | 21 36 | 0 13 | 21 12 | 0 33 | 19 50 | 1 34 | 12 22 | 17 41 | 13 20 | 13 47 | 12 46 | 0 15 | 3 55 |
| S 23 | 7 59 | 18 59 | 4 28 | 14 49 | 2 11 | 5 24 | 1 19 | 3 25 | 0 16 | 11 34 | 1 0 | 21 35 | 0 13 | 21 11 | 0 33 | 19 50 | 1 34 | 12 23 | 17 41 | 13 19 | 13 46 | 12 47 | 0 17 | 3 55 |
| M24 | 7 36 | 17 23 | 4 55 | 14 12 | 2 10 | 4 54 | 1 18 | 3 43 | 0 16 | 11 29 | 1 0 | 21 35 | 0 13 | 21 11 | 0 33 | 19 50 | 1 34 | 12 24 | 17 42 | 13 17 | 13 45 | 12 49 | 0 18 | 3 55 |
| T 25 | 7 14 | 14 48 | 5 6 | 13 33 | 2 9 | 4 23 | 1 17 | 4 1 | 0 15 | 11 23 | 1 0 | 21 34 | 0 13 | 21 10 | 0 33 | 19 50 | 1 34 | 12 25 | 17 42 | 13 15 | 13 44 | 12 50 | 0 19 | 3 55 |
| W26 | 6 51 | 11 20 | 5 1 | 12 53 | 2 8 | 3 52 | 1 16 | 4 19 | 0 14 | 11 18 | 1 0 | 21 33 | 0 14 | 21 10 | 0 33 | 19 50 | 1 34 | 12 25 | 17 42 | 13 12 | 13 43 | 12 52 | 0 21 | 3 55 |
| T 27 | 6 28 | 7 9 | 4 37 | 12 12 | 2 6 | 3 22 | 1 15 | 4 37 | 0 14 | 11 13 | 1 0 | 21 32 | 0 14 | 21 9 | 0 33 | 19 50 | 1 34 | 12 26 | 17 42 | 13 9 | 13 42 | 12 53 | 0 22 | 3 55 |
| F 28 | 6s 5 | 2s26 | 3n55 | 11s29 | 2s 3 | 2s51 | 1s13 | 4n55 | 0s13 | 11s 8 | 1s 0 | 21s31 | 0s14 | 21s 9 | 0s33 | 19s50 | 1n34 | 12n27 | 17n43 | 13s 6 | 13s41 | 12s54 | 0n23 | 3n55 |

Julian Day Number = 2082686.5, Delta T = 25m12s
Ecliptic obliquity = 23°34'05, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'53, Lahiri = 9°46'53 Julian Calendar 1 Feb. 990 == Greg. Calendar 6 Feb. 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## MARCH 990 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 54 49 | 15♓37'58 | 29♓26 | 7♓16 | 26♓55 | 13♈36 | 3♓57 | 24♑51 | 28♑21 | 5♐43 | 9°R32 | 4°R27 | 6♏13 | 3♏19 | 22♓ 1 | S 1 |
| S 2 | 10 58 45 | 16°37'29 | 14♈14 | 9° 8 | 28°10 | 14°20 | 4°11 | 24°56 | 28°24 | 5°43 | 9♎31 | 4♏23 | 6°10 | 3°26 | 22° 5 | S 2 |
| M 3 | 11 2 42 | 17°36'58 | 28°59 | 11° 2 | 29°24 | 15° 4 | 4°25 | 25° 1 | 28°26 | 5°R43 | 9°29 | 4°D21 | 6° 7 | 3°32 | 22° 8 | M 3 |
| T 4 | 11 6 38 | 18°36'25 | 13♉35 | 12°57 | 0♈39 | 15°47 | 4°39 | 25° 6 | 28°29 | 5°43 | 9°28 | 4°22 | 6° 4 | 3°39 | 22°12 | T 4 |
| W 5 | 11 10 35 | 19°35'49 | 27°58 | 14°53 | 1°53 | 16°31 | 4°54 | 25°11 | 28°32 | 5°43 | 9°26 | 4°23 | 6° 0 | 3°45 | 22°15 | W 5 |
| T 6 | 11 14 32 | 20°35'12 | 12♊ 5 | 16°50 | 3° 7 | 17°15 | 5° 8 | 25°17 | 28°34 | 5°43 | 9°24 | 4°24 | 5°57 | 3°52 | 22°19 | T 6 |
| F 7 | 11 18 28 | 21°34'31 | 25°55 | 18°49 | 4°22 | 17°58 | 5°22 | 25°22 | 28°37 | 5°42 | 9°23 | 4°R24 | 5°54 | 3°59 | 22°22 | F 7 |
| S 8 | 11 22 25 | 22°33'49 | 9♋29 | 20°48 | 5°36 | 18°42 | 5°36 | 25°26 | 28°39 | 5°42 | 9°21 | 4°23 | 5°51 | 4° 5 | 22°26 | S 8 |
| S 9 | 11 26 21 | 23°33'04 | 22°48 | 22°49 | 6°50 | 19°26 | 5°51 | 25°31 | 28°41 | 5°42 | 9°20 | 4°19 | 5°48 | 4°12 | 22°29 | S 9 |
| M10 | 11 30 18 | 24°32'16 | 5♌52 | 24°50 | 8° 5 | 20° 9 | 6° 5 | 25°36 | 28°44 | 5°42 | 9°18 | 4°14 | 5°45 | 4°19 | 22°33 | M10 |
| T 11 | 11 34 14 | 25°31'27 | 18°43 | 26°53 | 9°19 | 20°53 | 6°19 | 25°41 | 28°46 | 5°42 | 9°16 | 4° 8 | 5°41 | 4°25 | 22°36 | T 11 |
| W12 | 11 38 11 | 26°30'34 | 1♍21 | 28°56 | 10°33 | 21°36 | 6°33 | 25°46 | 28°48 | 5°41 | 9°15 | 4° 1 | 5°38 | 4°32 | 22°40 | W12 |
| T 13 | 11 42 7 | 27°29'40 | 13°47 | 1♈ 0 | 11°47 | 22°19 | 6°47 | 25°50 | 28°50 | 5°41 | 9°13 | 3°55 | 5°35 | 4°39 | 22°44 | T 13 |
| F 14 | 11 46 4 | 28°28'44 | 26° 2 | 3° 4 | 13° 1 | 23° 3 | 7° 1 | 25°55 | 28°53 | 5°41 | 9°12 | 3°49 | 5°32 | 4°45 | 22°47 | F 14 |
| S 15 | 11 50 1 | 29°27'45 | 8♎ 8 | 5° 8 | 14°15 | 23°46 | 7°15 | 25°59 | 28°55 | 5°40 | 9°10 | 3°45 | 5°29 | 4°52 | 22°51 | S 15 |
| S 16 | 11 53 57 | 0♈26'44 | 20° 5 | 7°12 | 15°29 | 24°29 | 7°29 | 26° 3 | 28°57 | 5°40 | 9° 8 | 3°42 | 5°26 | 4°59 | 22°54 | S 16 |
| M17 | 11 57 54 | 1°25'42 | 1♏56 | 9°15 | 16°43 | 25°12 | 7°43 | 26° 8 | 28°59 | 5°39 | 9° 7 | 3°D41 | 5°22 | 5° 5 | 22°58 | M17 |
| T 18 | 12 1 50 | 2°24'37 | 13°44 | 11°18 | 17°57 | 25°55 | 7°56 | 26°12 | 29° 1 | 5°39 | 9° 5 | 3°42 | 5°19 | 5°12 | 23° 1 | T 18 |
| W19 | 12 5 47 | 3°23'31 | 25°31 | 13°20 | 19°11 | 26°38 | 8°10 | 26°16 | 29° 3 | 5°38 | 9° 3 | 3°43 | 5°16 | 5°18 | 23° 5 | W19 |
| T 20 | 12 9 43 | 4°22'23 | 7♐23 | 15°21 | 20°25 | 27°21 | 8°24 | 26°20 | 29° 5 | 5°38 | 9° 1 | 3°45 | 5°13 | 5°25 | 23° 8 | T 20 |
| F 21 | 12 13 40 | 5°21'13 | 19°22 | 17°20 | 21°39 | 28° 4 | 8°38 | 26°24 | 29° 7 | 5°37 | 9° 0 | 3°47 | 5°10 | 5°32 | 23°12 | F 21 |
| S 22 | 12 17 36 | 6°20'01 | 1♑35 | 19°17 | 22°53 | 28°47 | 8°51 | 26°28 | 29° 9 | 5°37 | 8°58 | 3°R47 | 5° 6 | 5°38 | 23°15 | S 22 |
| S 23 | 12 21 33 | 7°18'48 | 14° 6 | 21°11 | 24° 7 | 29°30 | 9° 5 | 26°32 | 29°10 | 5°36 | 8°56 | 3°47 | 5° 3 | 5°45 | 23°18 | S 23 |
| M24 | 12 25 29 | 8°17'33 | 26°59 | 23° 3 | 25°21 | 0♉13 | 9°19 | 26°36 | 29°12 | 5°35 | 8°55 | 3°46 | 5° 0 | 5°52 | 23°22 | M24 |
| T 25 | 12 29 26 | 9°16'16 | 10♒17 | 24°51 | 26°35 | 0°56 | 9°32 | 26°39 | 29°14 | 5°35 | 8°53 | 3°44 | 4°57 | 5°58 | 23°25 | T 25 |
| W26 | 12 33 23 | 10°14'57 | 24° 3 | 26°36 | 27°48 | 1°38 | 9°46 | 26°43 | 29°16 | 5°34 | 8°51 | 3°41 | 4°54 | 6° 5 | 23°29 | W26 |
| T 27 | 12 37 19 | 11°13'36 | 8♓15 | 28°18 | 29° 2 | 2°21 | 9°59 | 26°46 | 29°17 | 5°33 | 8°50 | 3°38 | 4°51 | 6°12 | 23°32 | T 27 |
| F 28 | 12 41 16 | 12°12'14 | 22°52 | 29°55 | 0♉16 | 3° 4 | 10°12 | 26°50 | 29°19 | 5°32 | 8°48 | 3°35 | 4°47 | 6°18 | 23°36 | F 28 |
| S 29 | 12 45 12 | 13°10'49 | 7♈46 | 1♉28 | 1°30 | 3°46 | 10°26 | 26°53 | 29°20 | 5°32 | 8°46 | 3°33 | 4°44 | 6°25 | 23°39 | S 29 |
| S 30 | 12 49 9 | 14° 9'23 | 22°51 | 2°57 | 2°43 | 4°29 | 10°39 | 26°56 | 29°22 | 5°31 | 8°45 | 3°31 | 4°41 | 6°32 | 23°42 | S 30 |
| M31 | 12 53 5 | 15♈ 7'55 | 7♉56 | 4♉22 | 3♉57 | 5♉11 | 10♓52 | 26♑59 | 29♑23 | 5♐30 | 8♎43 | 3°D31 | 4♏38 | 6♏38 | 23♓46 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s42 | 2n29 | 2n57 | 10s45 | 2s 0 | 2s20 | 1s12 | 5n12 | 0s12 | 11s 3 | 1s 0 | 21s30 | 0s14 | 21s 8 | 0s33 | 19s50 | 1n34 | 12n28 | 17n43 | 13s 4 | 13s40 | 12s56 | 0n25 | 3n55 |
| S 2 | 5 18 | 7 17 | 1 47 | 9 59 | 1 57 | 1 49 | 1 11 | 5 30 | 0 11 | 10 58 | 1 0 | 21 29 | 0 14 | 21 8 | 0 33 | 19 50 | 1 34 | 12 29 | 17 43 | 13 3 | 13 39 | 12 57 | 0 26 | 3 55 |
| M 3 | 4 55 | 11 37 | 0 29 | 9 12 | 1 53 | 1 18 | 1 9 | 5 48 | 0 11 | 10 52 | 1 0 | 21 28 | 0 14 | 21 7 | 0 33 | 19 50 | 1 34 | 12 29 | 17 43 | 13 2 | 13 38 | 12 59 | 0 27 | 3 55 |
| T 4 | 4 32 | 15 13 | 0s50 | 8 24 | 1 48 | 0 47 | 1 8 | 6 6 | 0 10 | 10 47 | 1 0 | 21 28 | 0 14 | 21 7 | 0 33 | 19 50 | 1 34 | 12 30 | 17 44 | 13 3 | 13 37 | 13 0 | 0 29 | 3 55 |
| W 5 | 4 8 | 17 48 | 2 4 | 7 34 | 1 43 | 0 16 | 1 6 | 6 23 | 0 9 | 10 42 | 1 0 | 21 27 | 0 14 | 21 6 | 0 33 | 19 50 | 1 34 | 12 31 | 17 44 | 13 3 | 13 36 | 13 2 | 0 30 | 3 55 |
| T 6 | 3 45 | 19 13 | 3 10 | 6 43 | 1 38 | 0n16 | 1 5 | 6 41 | 0 9 | 10 37 | 1 0 | 21 26 | 0 14 | 21 6 | 0 33 | 19 49 | 1 34 | 12 32 | 17 44 | 13 3 | 13 35 | 13 3 | 0 31 | 3 54 |
| F 7 | 3 22 | 19 27 | 4 3 | 5 51 | 1 32 | 0 47 | 1 3 | 6 58 | 0 8 | 10 32 | 1 0 | 21 25 | 0 14 | 21 5 | 0 33 | 19 49 | 1 34 | 12 33 | 17 44 | 13 3 | 13 34 | 13 5 | 0 33 | 3 54 |
| S 8 | 2 58 | 18 33 | 4 42 | 4 58 | 1 25 | 1 18 | 1 1 | 7 15 | 0 7 | 10 27 | 1 1 | 21 24 | 0 14 | 21 5 | 0 33 | 19 49 | 1 34 | 12 33 | 17 44 | 13 3 | 13 33 | 13 6 | 0 34 | 3 54 |
| S 9 | 2 34 | 16 38 | 5 4 | 4 3 | 1 18 | 1 49 | 1 0 | 7 32 | 0 7 | 10 21 | 1 1 | 21 23 | 0 15 | 21 4 | 0 33 | 19 49 | 1 35 | 12 34 | 17 45 | 13 2 | 13 31 | 13 7 | 0 35 | 3 54 |
| M10 | 2 11 | 13 54 | 5 10 | 3 8 | 1 10 | 2 20 | 0 58 | 7 50 | 0 6 | 10 16 | 1 1 | 21 23 | 0 15 | 21 4 | 0 33 | 19 49 | 1 35 | 12 35 | 17 45 | 13 0 | 13 30 | 13 9 | 0 37 | 3 54 |
| T 11 | 1 47 | 10 32 | 5 0 | 2 11 | 1 2 | 2 51 | 0 56 | 8 7 | 0 5 | 10 11 | 1 1 | 21 22 | 0 15 | 21 4 | 0 33 | 19 49 | 1 35 | 12 36 | 17 45 | 12 58 | 13 29 | 13 10 | 0 38 | 3 54 |
| W12 | 1 24 | 6 45 | 4 36 | 1 14 | 0 53 | 3 22 | 0 54 | 8 24 | 0 4 | 10 6 | 1 1 | 21 21 | 0 15 | 21 3 | 0 33 | 19 49 | 1 35 | 12 36 | 17 45 | 12 56 | 13 28 | 13 12 | 0 39 | 3 54 |
| T 13 | 1 0 | 2 44 | 3 59 | 0 16 | 0 44 | 3 53 | 0 52 | 8 41 | 0 4 | 10 1 | 1 1 | 21 20 | 0 15 | 21 3 | 0 33 | 19 49 | 1 35 | 12 37 | 17 45 | 12 53 | 13 27 | 13 13 | 0 41 | 3 54 |
| F 14 | 0 36 | 1s20 | 3 11 | 0n42 | 0 34 | 4 24 | 0 50 | 8 57 | 0 3 | 9 56 | 1 1 | 21 20 | 0 15 | 21 2 | 0 33 | 19 49 | 1 35 | 12 38 | 17 45 | 12 52 | 13 26 | 13 14 | 0 42 | 3 54 |
| S 15 | 0 13 | 5 19 | 2 15 | 1 41 | 0 24 | 4 55 | 0 48 | 9 14 | 0 2 | 9 51 | 1 1 | 21 19 | 0 15 | 21 2 | 0 33 | 19 49 | 1 35 | 12 39 | 17 46 | 12 50 | 13 25 | 13 16 | 0 44 | 3 54 |
| S 16 | 0n11 | 9 2 | 1 14 | 2 40 | 0 13 | 5 25 | 0 46 | 9 31 | 0 2 | 9 46 | 1 1 | 21 18 | 0 15 | 21 1 | 0 33 | 19 49 | 1 35 | 12 39 | 17 46 | 12 49 | 13 24 | 13 17 | 0 45 | 3 54 |
| M17 | 0 34 | 12 22 | 0 10 | 3 39 | 0 2 | 5 56 | 0 44 | 9 47 | 0 1 | 9 40 | 1 2 | 21 17 | 0 15 | 21 1 | 0 33 | 19 48 | 1 35 | 12 40 | 17 46 | 12 49 | 13 23 | 13 19 | 0 46 | 3 54 |
| T 18 | 0 58 | 15 10 | 0n55 | 4 38 | 0n 9 | 6 26 | 0 42 | 10 4 | 0 0 | 9 35 | 1 2 | 21 17 | 0 15 | 21 1 | 0 33 | 19 48 | 1 35 | 12 41 | 17 46 | 12 49 | 13 22 | 13 20 | 0 48 | 3 54 |
| W19 | 1 21 | 17 21 | 1 57 | 5 36 | 0 20 | 6 56 | 0 40 | 10 20 | 0n 0 | 9 30 | 1 2 | 21 16 | 0 16 | 21 0 | 0 33 | 19 48 | 1 35 | 12 42 | 17 46 | 12 49 | 13 21 | 13 21 | 0 49 | 3 54 |
| T 20 | 1 45 | 18 47 | 2 55 | 6 33 | 0 31 | 7 26 | 0 38 | 10 36 | 0 1 | 9 25 | 1 2 | 21 15 | 0 16 | 21 0 | 0 33 | 19 48 | 1 35 | 12 42 | 17 46 | 12 50 | 13 20 | 13 23 | 0 50 | 3 54 |
| F 21 | 2 8 | 19 24 | 3 45 | 7 30 | 0 43 | 7 56 | 0 35 | 10 52 | 0 2 | 9 20 | 1 2 | 21 15 | 0 16 | 20 59 | 0 33 | 19 48 | 1 35 | 12 43 | 17 46 | 12 51 | 13 19 | 13 24 | 0 52 | 3 54 |
| S 22 | 2 32 | 19 7 | 4 27 | 8 25 | 0 54 | 8 26 | 0 33 | 11 8 | 0 2 | 9 15 | 1 2 | 21 14 | 0 16 | 20 59 | 0 33 | 19 48 | 1 35 | 12 44 | 17 46 | 12 51 | 13 18 | 13 26 | 0 53 | 3 54 |
| S 23 | 2 55 | 17 54 | 4 57 | 9 19 | 1 6 | 8 56 | 0 31 | 11 24 | 0 3 | 9 10 | 1 2 | 21 13 | 0 16 | 20 59 | 0 34 | 19 48 | 1 35 | 12 44 | 17 46 | 12 51 | 13 17 | 13 27 | 0 54 | 3 54 |
| M24 | 3 18 | 15 46 | 5 13 | 10 11 | 1 17 | 9 25 | 0 28 | 11 40 | 0 4 | 9 5 | 1 2 | 21 13 | 0 16 | 20 58 | 0 34 | 19 47 | 1 35 | 12 45 | 17 46 | 12 50 | 13 16 | 13 28 | 0 56 | 3 54 |
| T 25 | 3 42 | 12 44 | 5 13 | 11 2 | 1 28 | 9 54 | 0 26 | 11 55 | 0 4 | 9 0 | 1 2 | 21 12 | 0 16 | 20 58 | 0 34 | 19 47 | 1 35 | 12 46 | 17 46 | 12 50 | 13 14 | 13 30 | 0 57 | 3 54 |
| W26 | 4 5 | 8 56 | 4 55 | 11 50 | 1 38 | 10 23 | 0 23 | 12 11 | 0 5 | 8 55 | 1 3 | 21 12 | 0 16 | 20 58 | 0 34 | 19 47 | 1 35 | 12 46 | 17 46 | 12 49 | 13 13 | 13 31 | 0 59 | 3 54 |
| T 27 | 4 28 | 4 30 | 4 20 | 12 36 | 1 48 | 10 52 | 0 21 | 12 26 | 0 5 | 8 50 | 1 3 | 21 11 | 0 16 | 20 57 | 0 34 | 19 47 | 1 35 | 12 47 | 17 46 | 12 48 | 13 12 | 13 33 | 1 0 | 3 54 |
| F 28 | 4 51 | 0n18 | 3 26 | 13 20 | 1 58 | 11 20 | 0 19 | 12 42 | 0 6 | 8 45 | 1 3 | 21 10 | 0 17 | 20 57 | 0 34 | 19 47 | 1 35 | 12 48 | 17 46 | 12 47 | 13 11 | 13 34 | 1 1 | 3 54 |
| S 29 | 5 14 | 5 12 | 2 18 | 14 2 | 2 7 | 11 48 | 0 16 | 12 57 | 0 7 | 8 40 | 1 3 | 21 10 | 0 17 | 20 57 | 0 34 | 19 47 | 1 35 | 12 48 | 17 46 | 12 46 | 13 10 | 13 35 | 1 3 | 3 54 |
| S 30 | 5 37 | 9 50 | 0 59 | 14 40 | 2 15 | 12 16 | 0 14 | 13 12 | 0 7 | 8 35 | 1 3 | 21 9 | 0 17 | 20 57 | 0 34 | 19 46 | 1 35 | 12 49 | 17 46 | 12 45 | 13 9 | 13 37 | 1 4 | 3 54 |
| M31 | 5n59 | 13n51 | 0s24 | 15n17 | 2n23 | 12n44 | 0s11 | 13n27 | 0n 8 | 8s30 | 1s 3 | 21s 9 | 0s17 | 20s56 | 0s34 | 19s46 | 1n35 | 12n50 | 17n46 | 12s45 | 13s 8 | 13s38 | 1n 5 | 3n54 |

Julian Day Number = 2082714.5, Delta T = 25m12s
Ecliptic obliquity = 23°34'05, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°39'57, Lahiri = 9°46'57 Julian Calendar 1 March 990 == Greg. Calendar 6 March 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## APRIL 990 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 57 2 | 16♈ 6'25 | 22♉54 | 5♉42 | 5♉11 | 5♉54 | 11♓ 5 | 27♑ 2 | 29♑25 | 5°R29 | 8°R41 | 3♏32 | 4♏35 | 6♏45 | 23♓49 | T 1 |
| W 2 | 13 0 58 | 17° 4'52 | 7♊36 | 6°57 | 6°24 | 6°36 | 11°18 | 27° 5 | 29°26 | 5♐28 | 8♎40 | 3°33 | 4°31 | 6°51 | 23°52 | W 2 |
| T 3 | 13 4 55 | 18° 3'18 | 21°59 | 8° 7 | 7°38 | 7°19 | 11°31 | 27° 8 | 29°27 | 5°27 | 8°38 | 3°34 | 4°28 | 6°58 | 23°56 | T 3 |
| F 4 | 13 8 52 | 19° 1'41 | 5♋59 | 9°12 | 8°51 | 8° 1 | 11°44 | 27°11 | 29°29 | 5°26 | 8°36 | 3°35 | 4°25 | 7° 5 | 23°59 | F 4 |
| S 5 | 13 12 48 | 20° 0'02 | 19°36 | 10°11 | 10° 5 | 8°43 | 11°57 | 27°14 | 29°30 | 5°25 | 8°35 | 3°R35 | 4°22 | 7°11 | 24° 2 | S 5 |
| S 6 | 13 16 45 | 20°58'21 | 2♌51 | 11° 6 | 11°18 | 9°25 | 12°10 | 27°16 | 29°31 | 5°24 | 8°33 | 3°35 | 4°19 | 7°18 | 24° 5 | S 6 |
| M 7 | 13 20 41 | 21°56'38 | 15°46 | 11°55 | 12°32 | 10° 8 | 12°23 | 27°19 | 29°32 | 5°23 | 8°31 | 3°34 | 4°16 | 7°25 | 24° 9 | M 7 |
| T 8 | 13 24 38 | 22°54'53 | 28°24 | 12°39 | 13°45 | 10°50 | 12°36 | 27°21 | 29°33 | 5°22 | 8°30 | 3°33 | 4°12 | 7°31 | 24°12 | T 8 |
| W 9 | 13 28 34 | 23°53'05 | 10♍47 | 13°18 | 14°58 | 11°32 | 12°48 | 27°24 | 29°34 | 5°21 | 8°28 | 3°31 | 4° 9 | 7°38 | 24°15 | W 9 |
| T 10 | 13 32 31 | 24°51'16 | 22°59 | 13°51 | 16°12 | 12°14 | 13° 1 | 27°26 | 29°35 | 5°20 | 8°26 | 3°30 | 4° 6 | 7°45 | 24°18 | T 10 |
| F 11 | 13 36 27 | 25°49'25 | 5♎ 1 | 14°19 | 17°25 | 12°56 | 13°13 | 27°28 | 29°36 | 5°19 | 8°25 | 3°29 | 4° 3 | 7°51 | 24°21 | F 11 |
| S 12 | 13 40 24 | 26°47'32 | 16°57 | 14°41 | 18°38 | 13°38 | 13°26 | 27°30 | 29°37 | 5°18 | 8°23 | 3°29 | 4° 0 | 7°58 | 24°24 | S 12 |
| S 13 | 13 44 20 | 27°45'37 | 28°47 | 14°58 | 19°51 | 14°20 | 13°38 | 27°32 | 29°38 | 5°16 | 8°22 | 3°D28 | 3°57 | 8° 5 | 24°27 | S 13 |
| M14 | 13 48 17 | 28°43'40 | 10♏35 | 15° 9 | 21° 4 | 15° 1 | 13°50 | 27°34 | 29°39 | 5°15 | 8°20 | 3°28 | 3°53 | 8°11 | 24°31 | M14 |
| T 15 | 13 52 14 | 29°41'42 | 22°23 | 15°15 | 22°18 | 15°43 | 14° 3 | 27°36 | 29°39 | 5°14 | 8°19 | 3°29 | 3°50 | 8°18 | 24°34 | T 15 |
| W16 | 13 56 10 | 0♉39'42 | 4♐14 | 15°R16 | 23°31 | 16°25 | 14°15 | 27°37 | 29°40 | 5°13 | 8°17 | 3°29 | 3°47 | 8°25 | 24°37 | W16 |
| T 17 | 14 0 7 | 1°37'41 | 16° 9 | 15°12 | 24°44 | 17° 7 | 14°27 | 27°39 | 29°41 | 5°12 | 8°15 | 3°29 | 3°44 | 8°31 | 24°40 | T 17 |
| F 18 | 14 4 3 | 2°35'38 | 28°12 | 15° 3 | 25°57 | 17°48 | 14°39 | 27°40 | 29°41 | 5°10 | 8°14 | 3°29 | 3°41 | 8°38 | 24°42 | F 18 |
| S 19 | 14 8 0 | 3°33'34 | 10♑28 | 14°49 | 27°10 | 18°30 | 14°51 | 27°42 | 29°42 | 5° 9 | 8°12 | 3°R29 | 3°37 | 8°44 | 24°45 | S 19 |
| S 20 | 14 11 56 | 4°31'28 | 22°58 | 14°31 | 28°23 | 19°12 | 15° 2 | 27°43 | 29°42 | 5° 8 | 8°11 | 3°29 | 3°34 | 8°51 | 24°48 | S 20 |
| M21 | 14 15 53 | 5°29'21 | 5♒48 | 14° 9 | 29°36 | 19°53 | 15°14 | 27°44 | 29°43 | 5° 6 | 8°10 | 3°D29 | 3°31 | 8°58 | 24°51 | M21 |
| T 22 | 14 19 49 | 6°27'13 | 19° 1 | 13°44 | 0♊48 | 20°35 | 15°26 | 27°45 | 29°43 | 5° 5 | 8° 8 | 3°29 | 3°28 | 9° 4 | 24°54 | T 22 |
| W23 | 14 23 46 | 7°25'04 | 2♓38 | 13°15 | 2° 1 | 21°16 | 15°37 | 27°46 | 29°43 | 5° 4 | 8° 7 | 3°30 | 3°25 | 9°11 | 24°57 | W23 |
| T 24 | 14 27 43 | 8°22'53 | 16°42 | 12°44 | 3°14 | 21°57 | 15°49 | 27°47 | 29°44 | 5° 2 | 8° 5 | 3°30 | 3°22 | 9°18 | 25° 0 | T 24 |
| F 25 | 14 31 39 | 9°20'41 | 1♈10 | 12°11 | 4°27 | 22°39 | 16° 0 | 27°48 | 29°44 | 5° 1 | 8° 4 | 3°30 | 3°18 | 9°24 | 25° 2 | F 25 |
| S 26 | 14 35 36 | 10°18'28 | 16° 0 | 11°37 | 5°40 | 23°20 | 16°11 | 27°49 | 29°44 | 4°59 | 8° 2 | 3°31 | 3°15 | 9°31 | 25° 5 | S 26 |
| S 27 | 14 39 32 | 11°16'14 | 1♉ 5 | 11° 2 | 6°52 | 24° 1 | 16°22 | 27°49 | 29°44 | 4°58 | 8° 1 | 3°R31 | 3°12 | 9°38 | 25° 8 | S 27 |
| M28 | 14 43 29 | 12°13'58 | 16°17 | 10°27 | 8° 5 | 24°43 | 16°34 | 27°50 | 29°44 | 4°56 | 8° 0 | 3°31 | 3° 9 | 9°44 | 25°10 | M28 |
| T 29 | 14 47 25 | 13°11'41 | 1♊25 | 9°52 | 9°18 | 25°24 | 16°45 | 27°50 | 29°R44 | 4°55 | 7°58 | 3°30 | 3° 6 | 9°51 | 25°13 | T 29 |
| W30 | 14 51 22 | 14♉ 9'22 | 16♊22 | 9♉19 | 10♊30 | 26♉ 5 | 16♓55 | 27♑51 | 29♑44 | 4♐54 | 7♎57 | 3♏29 | 3♏ 3 | 9♏58 | 25♓16 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n22 | 16n54 | 1s45 | 15n50 | 2n29 | 13n11 | 0s 9 | 13n42 | 0n 9 | 8s25 | 1s 3 | 21s 8 | 0s17 | 20s56 | 0s34 | 19s46 | 1n35 | 12n50 | 17n46 | 12s46 | 13s 7 | 13s39 | 1n 7 | 3n54 |
| W 2 | 6 45 | 18 46 | 2 58 | 16 21 | 2 35 | 13 38 | 0 6 | 13 56 | 0 9 | 8 21 | 1 4 | 21 8 | 0 17 | 20 56 | 0 34 | 19 46 | 1 36 | 12 51 | 17 46 | 12 46 | 13 6 | 13 41 | 1 8 | 3 54 |
| T 3 | 7 7 | 19 22 | 3 57 | 16 49 | 2 41 | 14 5 | 0 3 | 14 11 | 0 10 | 8 16 | 1 4 | 21 7 | 0 17 | 20 56 | 0 34 | 19 46 | 1 36 | 12 51 | 17 46 | 12 46 | 13 5 | 13 42 | 1 9 | 3 54 |
| F 4 | 7 29 | 18 45 | 4 41 | 17 14 | 2 45 | 14 31 | 0 1 | 14 25 | 0 11 | 8 11 | 1 4 | 21 7 | 0 17 | 20 55 | 0 34 | 19 45 | 1 36 | 12 52 | 17 46 | 12 47 | 13 4 | 13 43 | 1 11 | 3 54 |
| S 5 | 7 52 | 17 3 | 5 8 | 17 36 | 2 48 | 14 57 | 0n 2 | 14 40 | 0 11 | 8 6 | 1 4 | 21 7 | 0 17 | 20 55 | 0 34 | 19 45 | 1 36 | 12 52 | 17 45 | 12 47 | 13 3 | 13 45 | 1 12 | 3 54 |
| S 6 | 8 14 | 14 29 | 5 17 | 17 56 | 2 50 | 15 22 | 0 4 | 14 54 | 0 12 | 8 1 | 1 4 | 21 6 | 0 17 | 20 55 | 0 34 | 19 45 | 1 36 | 12 53 | 17 45 | 12 47 | 13 2 | 13 46 | 1 13 | 3 54 |
| M 7 | 8 36 | 11 16 | 5 10 | 18 13 | 2 51 | 15 48 | 0 7 | 15 8 | 0 12 | 7 56 | 1 4 | 21 6 | 0 18 | 20 55 | 0 34 | 19 45 | 1 36 | 12 53 | 17 45 | 12 46 | 13 0 | 13 47 | 1 15 | 3 54 |
| T 8 | 8 57 | 7 36 | 4 48 | 18 26 | 2 52 | 16 12 | 0 10 | 15 22 | 0 13 | 7 52 | 1 4 | 21 5 | 0 18 | 20 55 | 0 34 | 19 45 | 1 36 | 12 54 | 17 45 | 12 46 | 12 59 | 13 49 | 1 16 | 3 54 |
| W 9 | 9 19 | 3 40 | 4 13 | 18 37 | 2 51 | 16 37 | 0 12 | 15 35 | 0 14 | 7 47 | 1 5 | 21 5 | 0 18 | 20 54 | 0 34 | 19 44 | 1 36 | 12 54 | 17 45 | 12 45 | 12 58 | 13 50 | 1 17 | 3 54 |
| T 10 | 9 40 | 0s21 | 3 26 | 18 46 | 2 49 | 17 1 | 0 15 | 15 49 | 0 14 | 7 42 | 1 5 | 21 5 | 0 18 | 20 54 | 0 34 | 19 44 | 1 36 | 12 55 | 17 45 | 12 45 | 12 57 | 13 51 | 1 19 | 3 54 |
| F 11 | 10 2 | 4 19 | 2 32 | 18 51 | 2 45 | 17 24 | 0 18 | 16 2 | 0 15 | 7 38 | 1 5 | 21 4 | 0 18 | 20 54 | 0 34 | 19 44 | 1 36 | 12 55 | 17 45 | 12 45 | 12 56 | 13 53 | 1 20 | 3 55 |
| S 12 | 10 23 | 8 5 | 1 31 | 18 53 | 2 41 | 17 47 | 0 20 | 16 16 | 0 15 | 7 33 | 1 5 | 21 4 | 0 18 | 20 54 | 0 34 | 19 44 | 1 36 | 12 56 | 17 44 | 12 44 | 12 55 | 13 54 | 1 21 | 3 55 |
| S 13 | 10 44 | 11 30 | 0 26 | 18 53 | 2 35 | 18 10 | 0 23 | 16 29 | 0 16 | 7 28 | 1 5 | 21 4 | 0 18 | 20 54 | 0 34 | 19 43 | 1 36 | 12 56 | 17 44 | 12 44 | 12 54 | 13 55 | 1 22 | 3 55 |
| M14 | 11 5 | 14 27 | 0n40 | 18 50 | 2 28 | 18 32 | 0 26 | 16 42 | 0 17 | 7 24 | 1 5 | 21 4 | 0 18 | 20 54 | 0 34 | 19 43 | 1 36 | 12 57 | 17 44 | 12 44 | 12 53 | 13 57 | 1 24 | 3 55 |
| T 15 | 11 25 | 16 48 | 1 43 | 18 44 | 2 20 | 18 54 | 0 28 | 16 55 | 0 17 | 7 19 | 1 6 | 21 3 | 0 18 | 20 53 | 0 34 | 19 43 | 1 36 | 12 57 | 17 44 | 12 44 | 12 52 | 13 58 | 1 25 | 3 55 |
| W16 | 11 46 | 18 26 | 2 43 | 18 35 | 2 11 | 19 15 | 0 31 | 17 7 | 0 18 | 7 15 | 1 6 | 21 3 | 0 19 | 20 53 | 0 34 | 19 43 | 1 36 | 12 57 | 17 44 | 12 45 | 12 51 | 13 59 | 1 26 | 3 55 |
| T 17 | 12 6 | 19 16 | 3 36 | 18 24 | 2 1 | 19 36 | 0 34 | 17 20 | 0 18 | 7 10 | 1 6 | 21 3 | 0 19 | 20 53 | 0 34 | 19 42 | 1 36 | 12 58 | 17 43 | 12 45 | 12 50 | 14 1 | 1 28 | 3 55 |
| F 18 | 12 26 | 19 14 | 4 20 | 18 10 | 1 49 | 19 56 | 0 36 | 17 32 | 0 19 | 7 6 | 1 6 | 21 3 | 0 19 | 20 53 | 0 34 | 19 42 | 1 36 | 12 58 | 17 43 | 12 45 | 12 49 | 14 2 | 1 29 | 3 55 |
| S 19 | 12 46 | 18 17 | 4 53 | 17 54 | 1 36 | 20 16 | 0 39 | 17 44 | 0 20 | 7 1 | 1 6 | 21 3 | 0 19 | 20 53 | 0 34 | 19 42 | 1 36 | 12 58 | 17 43 | 12 45 | 12 48 | 14 3 | 1 30 | 3 55 |
| S 20 | 13 6 | 16 28 | 5 13 | 17 36 | 1 23 | 20 35 | 0 41 | 17 56 | 0 20 | 6 57 | 1 7 | 21 2 | 0 19 | 20 53 | 0 34 | 19 42 | 1 36 | 12 59 | 17 43 | 12 45 | 12 46 | 14 5 | 1 31 | 3 55 |
| M21 | 13 25 | 13 47 | 5 18 | 17 15 | 1 8 | 20 53 | 0 44 | 18 8 | 0 21 | 6 52 | 1 7 | 21 2 | 0 19 | 20 53 | 0 35 | 19 41 | 1 36 | 12 59 | 17 42 | 12 45 | 12 45 | 14 6 | 1 32 | 3 55 |
| T 22 | 13 45 | 10 21 | 5 6 | 16 53 | 0 53 | 21 11 | 0 47 | 18 20 | 0 21 | 6 48 | 1 7 | 21 2 | 0 19 | 20 53 | 0 35 | 19 41 | 1 36 | 12 59 | 17 42 | 12 45 | 12 44 | 14 7 | 1 34 | 3 55 |
| W23 | 14 4 | 6 16 | 4 38 | 16 29 | 0 37 | 21 29 | 0 49 | 18 31 | 0 22 | 6 44 | 1 7 | 21 2 | 0 19 | 20 53 | 0 35 | 19 41 | 1 36 | 13 0 | 17 42 | 12 45 | 12 43 | 14 8 | 1 35 | 3 55 |
| T 24 | 14 22 | 1 43 | 3 52 | 16 4 | 0 20 | 21 46 | 0 52 | 18 43 | 0 22 | 6 39 | 1 7 | 21 2 | 0 19 | 20 53 | 0 35 | 19 41 | 1 36 | 13 0 | 17 41 | 12 45 | 12 42 | 14 10 | 1 36 | 3 55 |
| F 25 | 14 41 | 3n 4 | 2 50 | 15 38 | 0 3 | 22 2 | 0 54 | 18 54 | 0 23 | 6 35 | 1 7 | 21 2 | 0 20 | 20 53 | 0 35 | 19 40 | 1 36 | 13 0 | 17 41 | 12 45 | 12 41 | 14 11 | 1 37 | 3 56 |
| S 26 | 14 59 | 7 48 | 1 36 | 15 10 | 0s14 | 22 18 | 0 57 | 19 5 | 0 24 | 6 31 | 1 8 | 21 2 | 0 20 | 20 53 | 0 35 | 19 40 | 1 36 | 13 1 | 17 41 | 12 45 | 12 40 | 14 12 | 1 38 | 3 56 |
| S 27 | 15 18 | 12 8 | 0 14 | 14 43 | 0 32 | 22 33 | 0 59 | 19 16 | 0 24 | 6 27 | 1 8 | 21 2 | 0 20 | 20 53 | 0 35 | 19 40 | 1 36 | 13 1 | 17 41 | 12 45 | 12 39 | 14 14 | 1 40 | 3 56 |
| M28 | 15 35 | 15 40 | 1s10 | 14 16 | 0 49 | 22 47 | 1 1 | 19 27 | 0 25 | 6 23 | 1 8 | 21 2 | 0 20 | 20 53 | 0 35 | 19 40 | 1 36 | 13 1 | 17 40 | 12 45 | 12 38 | 14 15 | 1 41 | 3 56 |
| T 29 | 15 53 | 18 8 | 2 29 | 13 48 | 1 6 | 23 1 | 1 4 | 19 37 | 0 25 | 6 19 | 1 8 | 21 2 | 0 20 | 20 53 | 0 35 | 19 39 | 1 36 | 13 1 | 17 40 | 12 45 | 12 37 | 14 16 | 1 42 | 3 56 |
| W30 | 16n10 | 19n17 | 3s36 | 13n22 | 1s23 | 23n14 | 1n 6 | 19n48 | 0n26 | 6s14 | 1s 8 | 21s 2 | 0s20 | 20s53 | 0s35 | 19s39 | 1n36 | 13n 1 | 17n40 | 12s45 | 12s36 | 14s17 | 1n43 | 3n56 |

Julian Day Number = 2082745.5, Delta T = 25m12s
Ecliptic obliquity = 23°34'05, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'01, Lahiri = 9°47'01 Julian Calendar 1 Apr. 990 == Greg. Calendar 6 Apr. 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## MAY 990 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 55 18 | 15♉ 7'02 | 0♋59 | 8°R47 | 11♊43 | 26♉46 | 17♓ 6 | 27♑51 | 29°R44 | 4°R52 | 7°R56 | 3°R28 | 2♏59 | 10♏ 4 | 25♓18 | T 1 |
| F 2 | 14 59 15 | 16° 4'41 | 15°12 | 8♉17 | 12°55 | 27°27 | 17°17 | 27°51 | 29♑44 | 4♐51 | 7♎55 | 3♏27 | 2°56 | 10°11 | 25°21 | F 2 |
| S 3 | 15 3 12 | 17° 2'18 | 28°58 | 7°50 | 14° 8 | 28° 8 | 17°27 | 27°R51 | 29°44 | 4°49 | 7°53 | 3°26 | 2°53 | 10°17 | 25°23 | S 3 |
| S 4 | 15 7 8 | 17°59'53 | 12♌17 | 7°26 | 15°20 | 28°49 | 17°38 | 27°51 | 29°44 | 4°47 | 7°52 | 3°D25 | 2°50 | 10°24 | 25°26 | S 4 |
| M 5 | 15 11 5 | 18°57'27 | 25°11 | 7° 5 | 16°33 | 29°30 | 17°48 | 27°51 | 29°43 | 4°46 | 7°51 | 3°25 | 2°47 | 10°31 | 25°28 | M 5 |
| T 6 | 15 15 1 | 19°54'59 | 7♍45 | 6°48 | 17°45 | 0♊11 | 17°58 | 27°51 | 29°43 | 4°44 | 7°50 | 3°26 | 2°43 | 10°37 | 25°30 | T 6 |
| W 7 | 15 18 58 | 20°52'30 | 20° 2 | 6°35 | 18°57 | 0°52 | 18° 9 | 27°50 | 29°43 | 4°43 | 7°49 | 3°27 | 2°40 | 10°44 | 25°33 | W 7 |
| T 8 | 15 22 54 | 21°49'59 | 2♎ 5 | 6°26 | 20°10 | 1°33 | 18°19 | 27°50 | 29°42 | 4°41 | 7°48 | 3°28 | 2°37 | 10°51 | 25°35 | T 8 |
| F 9 | 15 26 51 | 22°47'27 | 14° 0 | 6°22 | 21°22 | 2°14 | 18°29 | 27°49 | 29°42 | 4°40 | 7°47 | 3°30 | 2°34 | 10°57 | 25°37 | F 9 |
| S 10 | 15 30 47 | 23°44'54 | 25°49 | 6°D22 | 22°34 | 2°54 | 18°38 | 27°49 | 29°41 | 4°38 | 7°46 | 3°31 | 2°31 | 11° 4 | 25°39 | S 10 |
| S 11 | 15 34 44 | 24°42'20 | 7♏36 | 6°26 | 23°46 | 3°35 | 18°48 | 27°48 | 29°41 | 4°37 | 7°45 | 3°R31 | 2°28 | 11°11 | 25°41 | S 11 |
| M12 | 15 38 41 | 25°39'44 | 19°24 | 6°35 | 24°58 | 4°16 | 18°58 | 27°47 | 29°40 | 4°35 | 7°44 | 3°30 | 2°24 | 11°17 | 25°44 | M12 |
| T 13 | 15 42 37 | 26°37'08 | 1♐16 | 6°48 | 26°10 | 4°56 | 19° 7 | 27°46 | 29°40 | 4°33 | 7°43 | 3°28 | 2°21 | 11°24 | 25°46 | T 13 |
| W14 | 15 46 34 | 27°34'31 | 13°12 | 7° 6 | 27°22 | 5°37 | 19°16 | 27°45 | 29°39 | 4°32 | 7°42 | 3°25 | 2°18 | 11°31 | 25°48 | W14 |
| T 15 | 15 50 30 | 28°31'53 | 25°16 | 7°28 | 28°34 | 6°17 | 19°26 | 27°44 | 29°38 | 4°30 | 7°41 | 3°21 | 2°15 | 11°37 | 25°50 | T 15 |
| F 16 | 15 54 27 | 29°29'14 | 7♑28 | 7°55 | 29°46 | 6°58 | 19°35 | 27°43 | 29°38 | 4°29 | 7°40 | 3°17 | 2°12 | 11°44 | 25°52 | F 16 |
| S 17 | 15 58 23 | 0♊26'34 | 19°52 | 8°26 | 0♋58 | 7°38 | 19°44 | 27°41 | 29°37 | 4°27 | 7°39 | 3°13 | 2° 8 | 11°51 | 25°54 | S 17 |
| S 18 | 16 2 20 | 1°23'54 | 2♒29 | 9° 1 | 2°10 | 8°19 | 19°52 | 27°40 | 29°36 | 4°25 | 7°38 | 3° 9 | 2° 5 | 11°57 | 25°55 | S 18 |
| M19 | 16 6 16 | 2°21'13 | 15°22 | 9°40 | 3°22 | 8°59 | 20° 1 | 27°38 | 29°35 | 4°24 | 7°37 | 3° 7 | 2° 2 | 12° 4 | 25°57 | M19 |
| T 20 | 16 10 13 | 3°18'31 | 28°33 | 10°23 | 4°33 | 9°40 | 20°10 | 27°37 | 29°34 | 4°22 | 7°37 | 3°D 6 | 1°59 | 12°10 | 25°59 | T 20 |
| W21 | 16 14 10 | 4°15'49 | 12♓ 4 | 11°10 | 5°45 | 10°20 | 20°18 | 27°35 | 29°33 | 4°20 | 7°36 | 3° 6 | 1°56 | 12°17 | 26° 1 | W21 |
| T 22 | 16 18 6 | 5°13'07 | 25°57 | 12° 1 | 6°57 | 11° 0 | 20°26 | 27°33 | 29°32 | 4°19 | 7°35 | 3° 7 | 1°53 | 12°24 | 26° 2 | T 22 |
| F 23 | 16 22 3 | 6°10'24 | 10♈11 | 12°56 | 8° 8 | 11°40 | 20°35 | 27°32 | 29°31 | 4°17 | 7°34 | 3° 8 | 1°49 | 12°30 | 26° 4 | F 23 |
| S 24 | 16 25 59 | 7° 7'41 | 24°46 | 13°54 | 9°20 | 12°21 | 20°43 | 27°30 | 29°30 | 4°16 | 7°34 | 3° 9 | 1°46 | 12°37 | 26° 6 | S 24 |
| S 25 | 16 29 56 | 8° 4'57 | 9♉38 | 14°56 | 10°31 | 13° 1 | 20°51 | 27°28 | 29°29 | 4°14 | 7°33 | 3°R 9 | 1°43 | 12°44 | 26° 7 | S 25 |
| M26 | 16 33 52 | 9° 2'13 | 24°40 | 16° 2 | 11°43 | 13°41 | 20°58 | 27°25 | 29°27 | 4°12 | 7°33 | 3° 8 | 1°40 | 12°50 | 26° 9 | M26 |
| T 27 | 16 37 49 | 9°59'29 | 9♊45 | 17°11 | 12°54 | 14°21 | 21° 6 | 27°23 | 29°26 | 4°11 | 7°32 | 3° 5 | 1°37 | 12°57 | 26°10 | T 27 |
| W28 | 16 41 45 | 10°56'44 | 24°42 | 18°23 | 14° 5 | 15° 1 | 21°13 | 27°21 | 29°25 | 4° 9 | 7°32 | 3° 0 | 1°34 | 13° 4 | 26°12 | W28 |
| T 29 | 16 45 42 | 11°53'59 | 9♋24 | 19°39 | 15°17 | 15°41 | 21°21 | 27°19 | 29°23 | 4° 8 | 7°31 | 2°54 | 1°30 | 13°10 | 26°13 | T 29 |
| F 30 | 16 49 39 | 12°51'13 | 23°43 | 20°58 | 16°28 | 16°21 | 21°28 | 27°16 | 29°22 | 4° 6 | 7°31 | 2°49 | 1°27 | 13°17 | 26°14 | F 30 |
| S 31 | 16 53 35 | 13♊48'26 | 7♌35 | 22♉20 | 17♋39 | 17♊ 1 | 21♓35 | 27♑14 | 29♑21 | 4♐ 4 | 7♎30 | 2♏43 | 1♏24 | 13♏24 | 26♓16 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n27 | 19n 6 | 4s28 | 12n56 | 1s39 | 23n26 | 1n 8 | 19n58 | 0n26 | 6s10 | 1s 9 | 21s 2 | 0s20 | 20s53 | 0s35 | 19s39 | 1n36 | 13n 2 | 17n39 | 12s44 | 12s34 | 14s19 | 1n44 | 3n56 |
| F 2 | 16 44 | 17 42 | 5 1 | 12 32 | 1 55 | 23 38 | 1 11 | 20 8 | 0 27 | 6 6 | 1 9 | 21 2 | 0 20 | 20 53 | 0 35 | 19 38 | 1 36 | 13 2 | 17 39 | 12 44 | 12 33 | 14 20 | 1 45 | 3 56 |
| S 3 | 17 1 | 15 19 | 5 16 | 12 9 | 2 9 | 23 50 | 1 13 | 20 18 | 0 27 | 6 2 | 1 9 | 21 2 | 0 21 | 20 53 | 0 35 | 19 38 | 1 36 | 13 2 | 17 38 | 12 43 | 12 32 | 14 21 | 1 46 | 3 56 |
| S 4 | 17 17 | 12 11 | 5 13 | 11 48 | 2 23 | 24 0 | 1 15 | 20 27 | 0 28 | 5 59 | 1 9 | 21 2 | 0 21 | 20 53 | 0 35 | 19 38 | 1 36 | 13 2 | 17 38 | 12 43 | 12 31 | 14 22 | 1 47 | 3 57 |
| M 5 | 17 33 | 8 34 | 4 55 | 11 29 | 2 36 | 24 10 | 1 17 | 20 37 | 0 28 | 5 55 | 1 10 | 21 3 | 0 21 | 20 53 | 0 35 | 19 38 | 1 36 | 13 2 | 17 38 | 12 43 | 12 30 | 14 24 | 1 48 | 3 57 |
| T 6 | 17 49 | 4 39 | 4 22 | 11 13 | 2 48 | 24 19 | 1 19 | 20 46 | 0 29 | 5 51 | 1 10 | 21 3 | 0 21 | 20 53 | 0 35 | 19 37 | 1 36 | 13 2 | 17 37 | 12 43 | 12 29 | 14 25 | 1 49 | 3 57 |
| W 7 | 18 4 | 0 38 | 3 38 | 10 58 | 2 59 | 24 28 | 1 21 | 20 55 | 0 29 | 5 47 | 1 10 | 21 3 | 0 21 | 20 53 | 0 35 | 19 37 | 1 36 | 13 2 | 17 37 | 12 44 | 12 28 | 14 26 | 1 50 | 3 57 |
| T 8 | 18 19 | 3s22 | 2 45 | 10 46 | 3 9 | 24 35 | 1 24 | 21 4 | 0 30 | 5 43 | 1 10 | 21 3 | 0 21 | 20 54 | 0 35 | 19 37 | 1 36 | 13 2 | 17 36 | 12 44 | 12 27 | 14 27 | 1 51 | 3 57 |
| F 9 | 18 34 | 7 10 | 1 46 | 10 36 | 3 18 | 24 42 | 1 25 | 21 13 | 0 31 | 5 40 | 1 10 | 21 3 | 0 21 | 20 54 | 0 35 | 19 36 | 1 36 | 13 2 | 17 36 | 12 45 | 12 26 | 14 29 | 1 52 | 3 57 |
| S 10 | 18 49 | 10 41 | 0 42 | 10 29 | 3 25 | 24 49 | 1 27 | 21 22 | 0 31 | 5 36 | 1 11 | 21 4 | 0 21 | 20 54 | 0 35 | 19 36 | 1 36 | 13 2 | 17 36 | 12 45 | 12 25 | 14 30 | 1 53 | 3 57 |
| S 11 | 19 3 | 13 46 | 0n23 | 10 24 | 3 32 | 24 54 | 1 29 | 21 30 | 0 32 | 5 32 | 1 11 | 21 4 | 0 21 | 20 54 | 0 35 | 19 36 | 1 36 | 13 2 | 17 35 | 12 45 | 12 23 | 14 31 | 1 54 | 3 57 |
| M12 | 19 17 | 16 17 | 1 27 | 10 22 | 3 37 | 24 59 | 1 31 | 21 38 | 0 32 | 5 29 | 1 11 | 21 4 | 0 22 | 20 54 | 0 35 | 19 36 | 1 36 | 13 2 | 17 35 | 12 45 | 12 22 | 14 32 | 1 55 | 3 58 |
| T 13 | 19 30 | 18 7 | 2 27 | 10 23 | 3 41 | 25 4 | 1 33 | 21 46 | 0 33 | 5 25 | 1 11 | 21 4 | 0 22 | 20 54 | 0 35 | 19 35 | 1 36 | 13 2 | 17 34 | 12 44 | 12 21 | 14 34 | 1 56 | 3 58 |
| W14 | 19 43 | 19 10 | 3 22 | 10 25 | 3 44 | 25 7 | 1 35 | 21 54 | 0 33 | 5 22 | 1 12 | 21 5 | 0 22 | 20 54 | 0 35 | 19 35 | 1 36 | 13 2 | 17 34 | 12 43 | 12 20 | 14 35 | 1 57 | 3 58 |
| T 15 | 19 56 | 19 22 | 4 7 | 10 31 | 3 46 | 25 10 | 1 36 | 22 2 | 0 34 | 5 18 | 1 12 | 21 5 | 0 22 | 20 55 | 0 35 | 19 35 | 1 36 | 13 2 | 17 33 | 12 42 | 12 19 | 14 36 | 1 58 | 3 58 |
| F 16 | 20 9 | 18 39 | 4 43 | 10 38 | 3 48 | 25 12 | 1 38 | 22 9 | 0 34 | 5 15 | 1 12 | 21 5 | 0 22 | 20 55 | 0 35 | 19 34 | 1 36 | 13 2 | 17 33 | 12 40 | 12 18 | 14 37 | 1 59 | 3 58 |
| S 17 | 20 21 | 17 3 | 5 5 | 10 48 | 3 48 | 25 13 | 1 39 | 22 16 | 0 35 | 5 12 | 1 12 | 21 6 | 0 22 | 20 55 | 0 35 | 19 34 | 1 36 | 13 2 | 17 32 | 12 39 | 12 17 | 14 39 | 2 0 | 3 58 |
| S 18 | 20 33 | 14 37 | 5 14 | 11 0 | 3 47 | 25 14 | 1 41 | 22 23 | 0 35 | 5 9 | 1 13 | 21 6 | 0 22 | 20 55 | 0 35 | 19 34 | 1 36 | 13 2 | 17 32 | 12 38 | 12 16 | 14 40 | 2 1 | 3 58 |
| M19 | 20 45 | 11 26 | 5 7 | 11 13 | 3 45 | 25 14 | 1 42 | 22 30 | 0 36 | 5 5 | 1 13 | 21 7 | 0 22 | 20 56 | 0 35 | 19 33 | 1 36 | 13 2 | 17 32 | 12 37 | 12 15 | 14 41 | 2 2 | 3 58 |
| T 20 | 20 56 | 7 37 | 4 43 | 11 29 | 3 43 | 25 13 | 1 44 | 22 37 | 0 36 | 5 2 | 1 13 | 21 7 | 0 23 | 20 56 | 0 35 | 19 33 | 1 36 | 13 2 | 17 31 | 12 37 | 12 14 | 14 42 | 2 3 | 3 59 |
| W21 | 21 7 | 3 19 | 4 4 | 11 47 | 3 39 | 25 11 | 1 45 | 22 43 | 0 37 | 4 59 | 1 13 | 21 8 | 0 23 | 20 56 | 0 36 | 19 33 | 1 36 | 13 1 | 17 31 | 12 37 | 12 12 | 14 43 | 2 3 | 3 59 |
| T 22 | 21 17 | 1n17 | 3 10 | 12 6 | 3 35 | 25 9 | 1 46 | 22 49 | 0 37 | 4 56 | 1 14 | 21 8 | 0 23 | 20 56 | 0 36 | 19 33 | 1 36 | 13 1 | 17 30 | 12 37 | 12 11 | 14 45 | 2 4 | 3 59 |
| F 23 | 21 27 | 5 56 | 2 2 | 12 27 | 3 31 | 25 6 | 1 47 | 22 56 | 0 37 | 4 53 | 1 14 | 21 8 | 0 23 | 20 57 | 0 36 | 19 32 | 1 36 | 13 1 | 17 30 | 12 37 | 12 10 | 14 46 | 2 5 | 3 59 |
| S 24 | 21 37 | 10 21 | 0 46 | 12 50 | 3 25 | 25 2 | 1 48 | 23 1 | 0 38 | 4 50 | 1 14 | 21 9 | 0 23 | 20 57 | 0 36 | 19 32 | 1 36 | 13 1 | 17 29 | 12 38 | 12 9 | 14 47 | 2 6 | 3 59 |
| S 25 | 21 46 | 14 13 | 0s35 | 13 14 | 3 19 | 24 58 | 1 49 | 23 7 | 0 38 | 4 47 | 1 14 | 21 9 | 0 23 | 20 57 | 0 36 | 19 32 | 1 36 | 13 1 | 17 29 | 12 38 | 12 8 | 14 48 | 2 6 | 3 59 |
| M26 | 21 55 | 17 11 | 1 55 | 13 40 | 3 12 | 24 53 | 1 50 | 23 13 | 0 39 | 4 44 | 1 15 | 21 10 | 0 23 | 20 57 | 0 36 | 19 31 | 1 36 | 13 0 | 17 28 | 12 37 | 12 7 | 14 49 | 2 7 | 3 59 |
| T 27 | 22 4 | 18 58 | 3 6 | 14 6 | 3 4 | 24 47 | 1 51 | 23 18 | 0 39 | 4 42 | 1 15 | 21 11 | 0 23 | 20 58 | 0 36 | 19 31 | 1 36 | 13 0 | 17 27 | 12 36 | 12 6 | 14 51 | 2 8 | 4 0 |
| W28 | 22 12 | 19 23 | 4 4 | 14 34 | 2 56 | 24 40 | 1 52 | 23 23 | 0 40 | 4 39 | 1 15 | 21 11 | 0 23 | 20 58 | 0 36 | 19 31 | 1 36 | 13 0 | 17 27 | 12 35 | 12 5 | 14 52 | 2 9 | 4 0 |
| T 29 | 22 20 | 18 30 | 4 45 | 15 3 | 2 48 | 24 33 | 1 52 | 23 28 | 0 40 | 4 36 | 1 15 | 21 12 | 0 24 | 20 58 | 0 36 | 19 31 | 1 36 | 13 0 | 17 26 | 12 33 | 12 4 | 14 53 | 2 9 | 4 0 |
| F 30 | 22 28 | 16 26 | 5 7 | 15 33 | 2 39 | 24 25 | 1 53 | 23 32 | 0 41 | 4 34 | 1 16 | 21 12 | 0 24 | 20 59 | 0 36 | 19 30 | 1 36 | 12 59 | 17 26 | 12 31 | 12 3 | 14 54 | 2 10 | 4 0 |
| S 31 | 22n35 | 13n29 | 5s 9 | 16n 3 | 2s29 | 24n16 | 1n53 | 23n37 | 0n41 | 4s31 | 1s16 | 21s13 | 0s24 | 20s59 | 0s36 | 19s30 | 1n36 | 12n59 | 17n25 | 12s29 | 12s 1 | 14s55 | 2n11 | 4n 0 |

Julian Day Number = 2082775.5, Delta T = 25m11s
Ecliptic obliquity = 23°34'04, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'05, Lahiri = 9°47'05 Julian Calendar 1 May 990 == Greg. Calendar 6 May 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## JUNE 990 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 57 32 | 14♊45'38 | 21♌ 0 | 23♉46 | 18♋50 | 17♊41 | 21♓42 | 27°R11 | 29°R19 | 4°R 3 | 7°R30 | 2°R39 | 1♏21 | 13♏30 | 26♓17 | S 1 |
| M 2 | 17 1 28 | 15°42'50 | 3♍58 | 25°15 | 20° 1 | 18°21 | 21°48 | 27♑ 8 | 29♑18 | 4♐ 1 | 7♎29 | 2♏37 | 1°18 | 13°37 | 26°18 | M 2 |
| T 3 | 17 5 25 | 16°40'01 | 16°33 | 26°47 | 21°12 | 19° 1 | 21°55 | 27° 5 | 29°16 | 4° 0 | 7°29 | 2°D36 | 1°14 | 13°44 | 26°19 | T 3 |
| W 4 | 17 9 21 | 17°37'12 | 28°48 | 28°22 | 22°23 | 19°41 | 22° 1 | 27° 3 | 29°15 | 3°58 | 7°29 | 2°37 | 1°11 | 13°50 | 26°20 | W 4 |
| T 5 | 17 13 18 | 18°34'22 | 10♎49 | 0♊ 1 | 23°34 | 20°21 | 22° 8 | 27° 0 | 29°13 | 3°56 | 7°28 | 2°38 | 1° 8 | 13°57 | 26°21 | T 5 |
| F 6 | 17 17 14 | 19°31'31 | 22°41 | 1°42 | 24°45 | 21° 0 | 22°14 | 26°57 | 29°11 | 3°55 | 7°28 | 2°39 | 1° 5 | 14° 4 | 26°22 | F 6 |
| S 7 | 17 21 11 | 20°28'40 | 4♏28 | 3°27 | 25°55 | 21°40 | 22°20 | 26°54 | 29°10 | 3°53 | 7°28 | 2°R40 | 1° 2 | 14°10 | 26°23 | S 7 |
| S 8 | 17 25 8 | 21°25'49 | 16°16 | 5°14 | 27° 6 | 22°20 | 22°25 | 26°50 | 29° 8 | 3°52 | 7°28 | 2°39 | 0°59 | 14°17 | 26°24 | S 8 |
| M 9 | 17 29 4 | 22°22'58 | 28° 7 | 7° 5 | 28°17 | 22°59 | 22°31 | 26°47 | 29° 6 | 3°50 | 7°28 | 2°36 | 0°55 | 14°23 | 26°25 | M 9 |
| T 10 | 17 33 1 | 23°20'06 | 10♐ 4 | 8°58 | 29°27 | 23°39 | 22°36 | 26°44 | 29° 4 | 3°49 | 7°28 | 2°30 | 0°52 | 14°30 | 26°26 | T 10 |
| W11 | 17 36 57 | 24°17'14 | 22°10 | 10°54 | 0♌38 | 24°19 | 22°42 | 26°41 | 29° 3 | 3°47 | 7°28 | 2°23 | 0°49 | 14°37 | 26°26 | W11 |
| T 12 | 17 40 54 | 25°14'23 | 4♑26 | 12°52 | 1°48 | 24°58 | 22°47 | 26°37 | 29° 1 | 3°46 | 7°D28 | 2°14 | 0°46 | 14°43 | 26°27 | T 12 |
| F 13 | 17 44 50 | 26°11'31 | 16°54 | 14°52 | 2°58 | 25°38 | 22°52 | 26°34 | 28°59 | 3°44 | 7°28 | 2° 5 | 0°43 | 14°50 | 26°28 | F 13 |
| S 14 | 17 48 47 | 27° 8'39 | 29°32 | 16°55 | 4° 8 | 26°17 | 22°56 | 26°30 | 28°57 | 3°43 | 7°28 | 1°55 | 0°40 | 14°57 | 26°28 | S 14 |
| S 15 | 17 52 44 | 28° 5'48 | 12♒24 | 18°59 | 5°19 | 26°57 | 23° 1 | 26°27 | 28°55 | 3°41 | 7°28 | 1°47 | 0°36 | 15° 3 | 26°29 | S 15 |
| M16 | 17 56 40 | 29° 2'56 | 25°27 | 21° 5 | 6°29 | 27°36 | 23° 5 | 26°23 | 28°53 | 3°40 | 7°28 | 1°41 | 0°33 | 15°10 | 26°29 | M16 |
| T 17 | 18 0 37 | 0♋ 0'06 | 8♓45 | 23°12 | 7°39 | 28°16 | 23°10 | 26°19 | 28°51 | 3°39 | 7°28 | 1°36 | 0°30 | 15°17 | 26°29 | T 17 |
| W18 | 18 4 33 | 0°57'15 | 22°17 | 25°21 | 8°49 | 28°55 | 23°14 | 26°16 | 28°49 | 3°37 | 7°28 | 1°34 | 0°27 | 15°23 | 26°30 | W18 |
| T 19 | 18 8 30 | 1°54'25 | 6♈ 4 | 27°30 | 9°58 | 29°34 | 23°18 | 26°12 | 28°47 | 3°36 | 7°28 | 1°D34 | 0°24 | 15°30 | 26°30 | T 19 |
| F 20 | 18 12 26 | 2°51'35 | 20° 7 | 29°39 | 11° 8 | 0♋14 | 23°21 | 26° 8 | 28°45 | 3°34 | 7°28 | 1°35 | 0°20 | 15°37 | 26°30 | F 20 |
| S 21 | 18 16 23 | 3°48'46 | 4♉26 | 1♋48 | 12°18 | 0°53 | 23°25 | 26° 4 | 28°43 | 3°33 | 7°29 | 1°R35 | 0°17 | 15°43 | 26°31 | S 21 |
| S 22 | 18 20 19 | 4°45'58 | 18°58 | 3°58 | 13°27 | 1°32 | 23°28 | 26° 0 | 28°41 | 3°32 | 7°29 | 1°34 | 0°14 | 15°50 | 26°31 | S 22 |
| M23 | 18 24 16 | 5°43'10 | 3♊41 | 6° 7 | 14°37 | 2°11 | 23°31 | 25°56 | 28°39 | 3°30 | 7°29 | 1°30 | 0°11 | 15°57 | 26°31 | M23 |
| T 24 | 18 28 13 | 6°40'23 | 18°27 | 8°15 | 15°46 | 2°51 | 23°34 | 25°52 | 28°37 | 3°29 | 7°30 | 1°25 | 0° 8 | 16° 3 | 26°R31 | T 24 |
| W25 | 18 32 9 | 7°37'37 | 3♋10 | 10°23 | 16°56 | 3°30 | 23°37 | 25°48 | 28°35 | 3°28 | 7°30 | 1°16 | 0° 5 | 16°10 | 26°31 | W25 |
| T 26 | 18 36 6 | 8°34'50 | 17°43 | 12°29 | 18° 5 | 4° 9 | 23°40 | 25°44 | 28°32 | 3°27 | 7°31 | 1° 7 | 0° 1 | 16°17 | 26°31 | T 26 |
| F 27 | 18 40 2 | 9°32'05 | 1♌57 | 14°34 | 19°14 | 4°48 | 23°42 | 25°39 | 28°30 | 3°25 | 7°31 | 0°56 | 29♎58 | 16°23 | 26°31 | F 27 |
| S 28 | 18 43 59 | 10°29'19 | 15°48 | 16°38 | 20°23 | 5°27 | 23°44 | 25°35 | 28°28 | 3°24 | 7°32 | 0°46 | 29°55 | 16°30 | 26°31 | S 28 |
| S 29 | 18 47 55 | 11°26'34 | 29°13 | 18°41 | 21°32 | 6° 6 | 23°46 | 25°31 | 28°26 | 3°23 | 7°32 | 0°38 | 29°52 | 16°36 | 26°30 | S 29 |
| M30 | 18 51 52 | 12♋23'49 | 12♍12 | 20♋42 | 22♌41 | 6♋45 | 23♓48 | 25♑27 | 28♑23 | 3♐22 | 7♎33 | 0♏33 | 29♎49 | 16♏43 | 26♓30 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n41 | 9n55 | 4s55 | 16n34 | 2s19 | 24n 7 | 1n54 | 23n41 | 0n42 | 4s29 | 1s16 | 21s14 | 0s24 | 20s59 | 0s36 | 19s30 | 1n36 | 12n59 | 17n25 | 12s28 | 12s 0 | 14s56 | 2n11 | 4n 0 |
| M 2 | 22 48 | 5 59 | 4 26 | 17 6 | 2 9 | 23 57 | 1 54 | 23 45 | 0 42 | 4 26 | 1 17 | 21 14 | 0 24 | 21 0 | 0 36 | 19 29 | 1 36 | 12 58 | 17 24 | 12 27 | 11 59 | 14 58 | 2 12 | 4 1 |
| T 3 | 22 54 | 1 54 | 3 44 | 17 38 | 1 58 | 23 46 | 1 54 | 23 49 | 0 43 | 4 24 | 1 17 | 21 15 | 0 24 | 21 0 | 0 36 | 19 29 | 1 36 | 12 58 | 17 24 | 12 26 | 11 58 | 14 59 | 2 12 | 4 1 |
| W 4 | 22 59 | 2s10 | 2 53 | 18 10 | 1 47 | 23 35 | 1 55 | 23 53 | 0 43 | 4 22 | 1 17 | 21 16 | 0 24 | 21 0 | 0 36 | 19 29 | 1 36 | 12 57 | 17 23 | 12 27 | 11 57 | 15 0 | 2 13 | 4 1 |
| T 5 | 23 4 | 6 5 | 1 56 | 18 42 | 1 36 | 23 23 | 1 55 | 23 56 | 0 43 | 4 19 | 1 17 | 21 16 | 0 24 | 21 1 | 0 36 | 19 29 | 1 36 | 12 57 | 17 23 | 12 27 | 11 56 | 15 1 | 2 14 | 4 1 |
| F 6 | 23 9 | 9 42 | 0 54 | 19 14 | 1 24 | 23 10 | 1 55 | 23 59 | 0 44 | 4 17 | 1 18 | 21 17 | 0 25 | 21 1 | 0 36 | 19 28 | 1 36 | 12 57 | 17 22 | 12 28 | 11 55 | 15 2 | 2 14 | 4 1 |
| S 7 | 23 13 | 12 56 | 0n10 | 19 46 | 1 12 | 22 57 | 1 55 | 24 3 | 0 44 | 4 15 | 1 18 | 21 18 | 0 25 | 21 1 | 0 36 | 19 28 | 1 36 | 12 56 | 17 22 | 12 28 | 11 54 | 15 3 | 2 15 | 4 1 |
| S 8 | 23 17 | 15 38 | 1 13 | 20 18 | 1 1 | 22 43 | 1 54 | 24 5 | 0 45 | 4 13 | 1 18 | 21 18 | 0 25 | 21 2 | 0 36 | 19 28 | 1 36 | 12 56 | 17 21 | 12 27 | 11 53 | 15 5 | 2 15 | 4 2 |
| M 9 | 23 21 | 17 41 | 2 13 | 20 48 | 0 49 | 22 29 | 1 54 | 24 8 | 0 45 | 4 11 | 1 19 | 21 19 | 0 25 | 21 2 | 0 36 | 19 28 | 1 36 | 12 55 | 17 20 | 12 26 | 11 51 | 15 6 | 2 16 | 4 2 |
| T 10 | 23 24 | 18 59 | 3 8 | 21 18 | 0 37 | 22 14 | 1 54 | 24 10 | 0 46 | 4 9 | 1 19 | 21 20 | 0 25 | 21 3 | 0 36 | 19 27 | 1 36 | 12 55 | 17 20 | 12 24 | 11 50 | 15 7 | 2 16 | 4 2 |
| W11 | 23 27 | 19 26 | 3 54 | 21 47 | 0 25 | 21 58 | 1 53 | 24 13 | 0 46 | 4 7 | 1 19 | 21 21 | 0 25 | 21 3 | 0 36 | 19 27 | 1 36 | 12 54 | 17 19 | 12 22 | 11 49 | 15 8 | 2 17 | 4 2 |
| T 12 | 23 29 | 18 59 | 4 31 | 22 14 | 0 14 | 21 42 | 1 53 | 24 15 | 0 47 | 4 6 | 1 19 | 21 21 | 0 25 | 21 3 | 0 36 | 19 27 | 1 36 | 12 54 | 17 19 | 12 19 | 11 48 | 15 9 | 2 17 | 4 2 |
| F 13 | 23 31 | 17 37 | 4 55 | 22 40 | 0 2 | 21 25 | 1 52 | 24 17 | 0 47 | 4 4 | 1 20 | 21 22 | 0 25 | 21 4 | 0 36 | 19 27 | 1 36 | 12 53 | 17 18 | 12 16 | 11 47 | 15 10 | 2 17 | 4 2 |
| S 14 | 23 32 | 15 23 | 5 5 | 23 4 | 0n 9 | 21 8 | 1 52 | 24 18 | 0 47 | 4 2 | 1 20 | 21 23 | 0 25 | 21 4 | 0 36 | 19 26 | 1 36 | 12 53 | 17 18 | 12 12 | 11 46 | 15 11 | 2 18 | 4 3 |
| S 15 | 23 33 | 12 22 | 5 0 | 23 26 | 0 20 | 20 50 | 1 51 | 24 20 | 0 48 | 4 1 | 1 20 | 21 24 | 0 26 | 21 5 | 0 36 | 19 26 | 1 36 | 12 52 | 17 17 | 12 9 | 11 45 | 15 13 | 2 18 | 4 3 |
| M16 | 23 34 | 8 42 | 4 40 | 23 46 | 0 30 | 20 32 | 1 50 | 24 21 | 0 48 | 3 59 | 1 21 | 21 24 | 0 26 | 21 5 | 0 36 | 19 26 | 1 36 | 12 52 | 17 16 | 12 7 | 11 44 | 15 14 | 2 18 | 4 3 |
| T 17 | 23 34 | 4 34 | 4 4 | 24 4 | 0 40 | 20 13 | 1 49 | 24 22 | 0 49 | 3 58 | 1 21 | 21 25 | 0 26 | 21 5 | 0 36 | 19 26 | 1 36 | 12 51 | 17 16 | 12 6 | 11 43 | 15 15 | 2 19 | 4 3 |
| W18 | 23 34 | 0 6 | 3 14 | 24 19 | 0 50 | 19 53 | 1 48 | 24 23 | 0 49 | 3 57 | 1 21 | 21 26 | 0 26 | 21 6 | 0 36 | 19 25 | 1 36 | 12 50 | 17 15 | 12 5 | 11 41 | 15 16 | 2 19 | 4 3 |
| T 19 | 23 33 | 4n27 | 2 12 | 24 31 | 0 59 | 19 33 | 1 47 | 24 23 | 0 49 | 3 55 | 1 22 | 21 27 | 0 26 | 21 6 | 0 36 | 19 25 | 1 36 | 12 50 | 17 15 | 12 5 | 11 40 | 15 17 | 2 19 | 4 3 |
| F 20 | 23 32 | 8 51 | 1 1 | 24 41 | 1 7 | 19 13 | 1 45 | 24 24 | 0 50 | 3 54 | 1 22 | 21 28 | 0 26 | 21 7 | 0 36 | 19 25 | 1 36 | 12 49 | 17 14 | 12 5 | 11 39 | 15 18 | 2 20 | 4 4 |
| S 21 | 23 31 | 12 50 | 0s15 | 24 48 | 1 14 | 18 52 | 1 44 | 24 24 | 0 50 | 3 53 | 1 22 | 21 29 | 0 26 | 21 7 | 0 36 | 19 25 | 1 36 | 12 49 | 17 14 | 12 5 | 11 38 | 15 19 | 2 20 | 4 4 |
| S 22 | 23 29 | 16 5 | 1 32 | 24 52 | 1 21 | 18 30 | 1 42 | 24 24 | 0 51 | 3 52 | 1 22 | 21 30 | 0 26 | 21 8 | 0 36 | 19 24 | 1 36 | 12 48 | 17 13 | 12 5 | 11 37 | 15 20 | 2 20 | 4 4 |
| M23 | 23 27 | 18 20 | 2 42 | 24 53 | 1 27 | 18 8 | 1 41 | 24 24 | 0 51 | 3 51 | 1 23 | 21 30 | 0 26 | 21 8 | 0 36 | 19 24 | 1 36 | 12 47 | 17 12 | 12 4 | 11 36 | 15 21 | 2 20 | 4 4 |
| T 24 | 23 24 | 19 22 | 3 43 | 24 51 | 1 33 | 17 46 | 1 39 | 24 24 | 0 51 | 3 50 | 1 23 | 21 31 | 0 26 | 21 9 | 0 36 | 19 24 | 1 36 | 12 47 | 17 12 | 12 2 | 11 35 | 15 23 | 2 20 | 4 4 |
| W25 | 23 21 | 19 4 | 4 28 | 24 47 | 1 37 | 17 23 | 1 37 | 24 23 | 0 52 | 3 49 | 1 23 | 21 32 | 0 27 | 21 9 | 0 36 | 19 24 | 1 36 | 12 46 | 17 11 | 11 59 | 11 34 | 15 24 | 2 21 | 4 4 |
| T 26 | 23 17 | 17 31 | 4 55 | 24 39 | 1 41 | 17 0 | 1 35 | 24 22 | 0 52 | 3 49 | 1 24 | 21 33 | 0 27 | 21 9 | 0 36 | 19 24 | 1 35 | 12 45 | 17 11 | 11 55 | 11 32 | 15 25 | 2 21 | 4 5 |
| F 27 | 23 13 | 14 55 | 5 3 | 24 30 | 1 44 | 16 37 | 1 33 | 24 21 | 0 53 | 3 48 | 1 24 | 21 34 | 0 27 | 21 10 | 0 36 | 19 23 | 1 35 | 12 45 | 17 10 | 11 52 | 11 31 | 15 26 | 2 21 | 4 5 |
| S 28 | 23 9 | 11 31 | 4 53 | 24 17 | 1 47 | 16 13 | 1 31 | 24 20 | 0 53 | 3 47 | 1 24 | 21 35 | 0 27 | 21 10 | 0 36 | 19 23 | 1 35 | 12 44 | 17 10 | 11 48 | 11 30 | 15 27 | 2 21 | 4 5 |
| S 29 | 23 4 | 7 39 | 4 27 | 24 3 | 1 48 | 15 48 | 1 29 | 24 19 | 0 53 | 3 47 | 1 25 | 21 36 | 0 27 | 21 11 | 0 36 | 19 23 | 1 35 | 12 43 | 17 9 | 11 45 | 11 29 | 15 28 | 2 21 | 4 5 |
| M30 | 22n59 | 3n31 | 3s47 | 23n46 | 1n49 | 15n24 | 1n27 | 24n17 | 0n54 | 3s46 | 1s25 | 21s37 | 0s27 | 21s11 | 0s36 | 19s23 | 1n35 | 12n42 | 17n 8 | 11s43 | 11s28 | 15s29 | 2n21 | 4n 5 |

Julian Day Number = 2082806.5, Delta T = 25m11s
Ecliptic obliquity = 23°34'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'09, Lahiri = 9°47'10 Julian Calendar 1 June 990 == Greg. Calendar 6 June 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## JULY 990 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 55 48 | 13♋21'04 | 24♍48 | 22♋41 | 23♌50 | 7♋25 | 23♓50 | 25°R22 | 28°R21 | 3°R21 | 7♎33 | 0°R29 | 29♎46 | 16♏50 | 26°R30 | T 1 |
| W 2 | 18 59 45 | 14°18'20 | 7♎ 4 | 24°39 | 24°59 | 8° 4 | 23°51 | 25♑18 | 28♑19 | 3♐20 | 7°34 | 0♏28 | 29°42 | 16°56 | 26♓29 | W 2 |
| T 3 | 19 3 42 | 15°15'36 | 19° 6 | 26°35 | 26° 7 | 8°42 | 23°52 | 25°14 | 28°16 | 3°18 | 7°35 | 0°D27 | 29°39 | 17° 3 | 26°29 | T 3 |
| F 4 | 19 7 38 | 16°12'52 | 0♏58 | 28°29 | 27°16 | 9°21 | 23°54 | 25° 9 | 28°14 | 3°17 | 7°35 | 0°R28 | 29°36 | 17°10 | 26°29 | F 4 |
| S 5 | 19 11 35 | 17°10'09 | 12°46 | 0♌22 | 28°24 | 10° 0 | 23°54 | 25° 5 | 28°12 | 3°16 | 7°36 | 0°27 | 29°33 | 17°16 | 26°28 | S 5 |
| S 6 | 19 15 31 | 18° 7'27 | 24°35 | 2°13 | 29°32 | 10°39 | 23°55 | 25° 1 | 28° 9 | 3°15 | 7°37 | 0°25 | 29°30 | 17°23 | 26°27 | S 6 |
| M 7 | 19 19 28 | 19° 4'45 | 6♐30 | 4° 3 | 0♍40 | 11°18 | 23°56 | 24°56 | 28° 7 | 3°14 | 7°38 | 0°20 | 29°26 | 17°30 | 26°27 | M 7 |
| T 8 | 19 23 24 | 20° 2'04 | 18°35 | 5°50 | 1°48 | 11°57 | 23°56 | 24°52 | 28° 5 | 3°13 | 7°39 | 0°13 | 29°23 | 17°36 | 26°26 | T 8 |
| W 9 | 19 27 21 | 20°59'23 | 0♑51 | 7°36 | 2°56 | 12°36 | 23°R56 | 24°47 | 28° 2 | 3°12 | 7°39 | 0° 3 | 29°20 | 17°43 | 26°25 | W 9 |
| T 10 | 19 31 17 | 21°56'43 | 13°22 | 9°20 | 4° 4 | 13°15 | 23°56 | 24°43 | 28° 0 | 3°11 | 7°40 | 29♎51 | 29°17 | 17°50 | 26°25 | T 10 |
| F 11 | 19 35 14 | 22°54'04 | 26° 6 | 11° 3 | 5°11 | 13°53 | 23°55 | 24°38 | 27°58 | 3°10 | 7°41 | 29°39 | 29°14 | 17°56 | 26°24 | F 11 |
| S 12 | 19 39 11 | 23°51'26 | 9♒ 5 | 12°44 | 6°19 | 14°32 | 23°55 | 24°34 | 27°55 | 3°10 | 7°42 | 29°26 | 29°11 | 18° 3 | 26°23 | S 12 |
| S 13 | 19 43 7 | 24°48'49 | 22°16 | 14°23 | 7°26 | 15°11 | 23°54 | 24°30 | 27°53 | 3° 9 | 7°43 | 29°15 | 29° 7 | 18°10 | 26°22 | S 13 |
| M14 | 19 47 4 | 25°46'13 | 5♓40 | 16° 1 | 8°33 | 15°50 | 23°53 | 24°25 | 27°50 | 3° 8 | 7°44 | 29° 6 | 29° 4 | 18°16 | 26°21 | M14 |
| T 15 | 19 51 0 | 26°43'38 | 19°13 | 17°36 | 9°41 | 16°28 | 23°52 | 24°21 | 27°48 | 3° 7 | 7°45 | 29° 0 | 29° 1 | 18°23 | 26°20 | T 15 |
| W16 | 19 54 57 | 27°41'04 | 2♈56 | 19°11 | 10°47 | 17° 7 | 23°51 | 24°16 | 27°46 | 3° 6 | 7°46 | 28°56 | 28°58 | 18°30 | 26°19 | W16 |
| T 17 | 19 58 53 | 28°38'32 | 16°47 | 20°43 | 11°54 | 17°46 | 23°49 | 24°12 | 27°43 | 3° 5 | 7°48 | 28°55 | 28°55 | 18°36 | 26°18 | T 17 |
| F 18 | 20 2 50 | 29°36'01 | 0♉48 | 22°14 | 13° 1 | 18°24 | 23°48 | 24° 7 | 27°41 | 3° 5 | 7°49 | 28°55 | 28°52 | 18°43 | 26°17 | F 18 |
| S 19 | 20 6 46 | 0♌33'32 | 14°56 | 23°43 | 14° 7 | 19° 3 | 23°46 | 24° 3 | 27°38 | 3° 4 | 7°50 | 28°55 | 28°48 | 18°50 | 26°16 | S 19 |
| S 20 | 20 10 43 | 1°31'04 | 29°12 | 25°11 | 15°14 | 19°41 | 23°44 | 23°58 | 27°36 | 3° 3 | 7°51 | 28°53 | 28°45 | 18°56 | 26°14 | S 20 |
| M21 | 20 14 40 | 2°28'38 | 13♊32 | 26°37 | 16°20 | 20°20 | 23°41 | 23°54 | 27°34 | 3° 3 | 7°52 | 28°49 | 28°42 | 19° 3 | 26°13 | M21 |
| T 22 | 20 18 36 | 3°26'13 | 27°55 | 28° 1 | 17°26 | 20°58 | 23°39 | 23°50 | 27°31 | 3° 2 | 7°54 | 28°42 | 28°39 | 19° 9 | 26°12 | T 22 |
| W23 | 20 22 33 | 4°23'49 | 12♋14 | 29°23 | 18°32 | 21°37 | 23°36 | 23°45 | 27°29 | 3° 2 | 7°55 | 28°33 | 28°36 | 19°16 | 26°10 | W23 |
| T 24 | 20 26 29 | 5°21'27 | 26°25 | 0♍44 | 19°37 | 22°15 | 23°33 | 23°41 | 27°27 | 3° 1 | 7°56 | 28°22 | 28°32 | 19°23 | 26° 9 | T 24 |
| F 25 | 20 30 26 | 6°19'06 | 10♌22 | 2° 2 | 20°43 | 22°54 | 23°30 | 23°37 | 27°24 | 3° 1 | 7°58 | 28°10 | 28°29 | 19°29 | 26° 7 | F 25 |
| S 26 | 20 34 22 | 7°16'47 | 24° 1 | 3°19 | 21°48 | 23°32 | 23°27 | 23°32 | 27°22 | 3° 0 | 7°59 | 27°58 | 28°26 | 19°36 | 26° 6 | S 26 |
| S 27 | 20 38 19 | 8°14'28 | 7♍18 | 4°34 | 22°53 | 24°11 | 23°24 | 23°28 | 27°20 | 3° 0 | 8° 0 | 27°49 | 28°23 | 19°43 | 26° 4 | S 27 |
| M28 | 20 42 15 | 9°12'11 | 20°12 | 5°47 | 23°58 | 24°49 | 23°20 | 23°24 | 27°17 | 2°59 | 8° 2 | 27°41 | 28°20 | 19°49 | 26° 3 | M28 |
| T 29 | 20 46 12 | 10° 9'55 | 2♎46 | 6°58 | 25° 3 | 25°28 | 23°16 | 23°20 | 27°15 | 2°59 | 8° 3 | 27°37 | 28°17 | 19°56 | 26° 1 | T 29 |
| W30 | 20 50 9 | 11° 7'40 | 15° 2 | 8° 7 | 26° 8 | 26° 6 | 23°12 | 23°16 | 27°13 | 2°58 | 8° 5 | 27°35 | 28°13 | 20° 3 | 25°59 | W30 |
| T 31 | 20 54 5 | 12♌ 5'27 | 27♎ 3 | 9♍13 | 27♍12 | 26♋44 | 23♓ 8 | 23♑11 | 27♑10 | 2♐58 | 8♎ 6 | 27°D34 | 28♎10 | 20♏ 9 | 25♓57 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n54 | 0s38 | 2s58 | 23n27 | 1n50 | 14n59 | 1n25 | 24n16 | 0n54 | 3s46 | 1s25 | 21s37 | 0s27 | 21s12 | 0s37 | 19s23 | 1n35 | 12n42 | 17n 8 | 11s42 | 11s27 | 15s30 | 2n21 | 4n 5 |
| W 2 | 22 48 | 4 40 | 2 1 | 23 6 | 1 49 | 14 33 | 1 22 | 24 14 | 0 54 | 3 46 | 1 26 | 21 38 | 0 27 | 21 12 | 0 37 | 19 23 | 1 35 | 12 41 | 17 7 | 11 42 | 11 26 | 15 31 | 2 21 | 4 6 |
| T 3 | 22 41 | 8 27 | 1 0 | 22 44 | 1 49 | 14 7 | 1 20 | 24 11 | 0 55 | 3 45 | 1 26 | 21 39 | 0 27 | 21 13 | 0 37 | 19 22 | 1 35 | 12 40 | 17 7 | 11 42 | 11 25 | 15 32 | 2 21 | 4 6 |
| F 4 | 22 35 | 11 50 | 0n 3 | 22 19 | 1 47 | 13 41 | 1 17 | 24 9 | 0 55 | 3 45 | 1 26 | 21 40 | 0 28 | 21 13 | 0 37 | 19 22 | 1 35 | 12 39 | 17 6 | 11 42 | 11 23 | 15 33 | 2 21 | 4 6 |
| S 5 | 22 28 | 14 43 | 1 5 | 21 53 | 1 45 | 13 15 | 1 14 | 24 7 | 0 56 | 3 45 | 1 26 | 21 41 | 0 28 | 21 14 | 0 37 | 19 22 | 1 35 | 12 38 | 17 6 | 11 41 | 11 22 | 15 34 | 2 21 | 4 6 |
| S 6 | 22 20 | 17 0 | 2 4 | 21 26 | 1 42 | 12 48 | 1 11 | 24 4 | 0 56 | 3 45 | 1 27 | 21 42 | 0 28 | 21 14 | 0 37 | 19 22 | 1 35 | 12 38 | 17 5 | 11 41 | 11 21 | 15 36 | 2 21 | 4 6 |
| M 7 | 22 12 | 18 34 | 2 59 | 20 57 | 1 39 | 12 21 | 1 8 | 24 1 | 0 56 | 3 45 | 1 27 | 21 43 | 0 28 | 21 15 | 0 37 | 19 22 | 1 35 | 12 37 | 17 4 | 11 39 | 11 20 | 15 37 | 2 21 | 4 6 |
| T 8 | 22 4 | 19 19 | 3 46 | 20 27 | 1 35 | 11 54 | 1 5 | 23 58 | 0 57 | 3 46 | 1 27 | 21 44 | 0 28 | 21 15 | 0 37 | 19 22 | 1 35 | 12 36 | 17 4 | 11 36 | 11 19 | 15 38 | 2 21 | 4 7 |
| W 9 | 21 55 | 19 11 | 4 23 | 19 56 | 1 31 | 11 27 | 1 2 | 23 55 | 0 57 | 3 46 | 1 28 | 21 45 | 0 28 | 21 16 | 0 37 | 19 21 | 1 35 | 12 35 | 17 3 | 11 33 | 11 18 | 15 39 | 2 20 | 4 7 |
| T 10 | 21 46 | 18 7 | 4 48 | 19 24 | 1 26 | 10 59 | 0 59 | 23 51 | 0 57 | 3 46 | 1 28 | 21 45 | 0 28 | 21 16 | 0 37 | 19 21 | 1 35 | 12 34 | 17 3 | 11 29 | 11 17 | 15 40 | 2 20 | 4 7 |
| F 11 | 21 37 | 16 8 | 5 0 | 18 51 | 1 21 | 10 31 | 0 56 | 23 48 | 0 58 | 3 47 | 1 28 | 21 46 | 0 28 | 21 17 | 0 37 | 19 21 | 1 35 | 12 33 | 17 2 | 11 24 | 11 16 | 15 41 | 2 20 | 4 7 |
| S 12 | 21 27 | 13 19 | 4 56 | 18 17 | 1 16 | 10 3 | 0 52 | 23 44 | 0 58 | 3 47 | 1 29 | 21 47 | 0 28 | 21 17 | 0 37 | 19 21 | 1 35 | 12 33 | 17 2 | 11 20 | 11 14 | 15 42 | 2 20 | 4 7 |
| S 13 | 21 17 | 9 48 | 4 37 | 17 43 | 1 10 | 9 35 | 0 49 | 23 40 | 0 58 | 3 48 | 1 29 | 21 48 | 0 28 | 21 18 | 0 37 | 19 21 | 1 35 | 12 32 | 17 1 | 11 16 | 11 13 | 15 43 | 2 20 | 4 7 |
| M14 | 21 6 | 5 44 | 4 2 | 17 8 | 1 3 | 9 6 | 0 45 | 23 36 | 0 59 | 3 48 | 1 29 | 21 49 | 0 28 | 21 18 | 0 37 | 19 21 | 1 35 | 12 31 | 17 1 | 11 13 | 11 12 | 15 44 | 2 19 | 4 7 |
| T 15 | 20 55 | 1 20 | 3 13 | 16 32 | 0 57 | 8 37 | 0 41 | 23 31 | 0 59 | 3 49 | 1 30 | 21 50 | 0 29 | 21 19 | 0 37 | 19 21 | 1 35 | 12 30 | 17 0 | 11 11 | 11 11 | 15 45 | 2 19 | 4 8 |
| W16 | 20 44 | 3n12 | 2 13 | 15 56 | 0 50 | 8 8 | 0 37 | 23 27 | 0 59 | 3 50 | 1 30 | 21 51 | 0 29 | 21 19 | 0 37 | 19 21 | 1 35 | 12 29 | 17 0 | 11 9 | 11 10 | 15 46 | 2 19 | 4 8 |
| T 17 | 20 33 | 7 37 | 1 4 | 15 20 | 0 42 | 7 39 | 0 34 | 23 22 | 1 0 | 3 51 | 1 30 | 21 52 | 0 29 | 21 20 | 0 37 | 19 21 | 1 35 | 12 28 | 16 59 | 11 9 | 11 9 | 15 47 | 2 19 | 4 8 |
| F 18 | 20 21 | 11 39 | 0s10 | 14 43 | 0 35 | 7 10 | 0 30 | 23 17 | 1 0 | 3 52 | 1 31 | 21 52 | 0 29 | 21 20 | 0 37 | 19 20 | 1 34 | 12 27 | 16 58 | 11 9 | 11 8 | 15 48 | 2 18 | 4 8 |
| S 19 | 20 8 | 15 4 | 1 24 | 14 6 | 0 27 | 6 40 | 0 25 | 23 12 | 1 0 | 3 53 | 1 31 | 21 53 | 0 29 | 21 21 | 0 37 | 19 20 | 1 34 | 12 26 | 16 58 | 11 9 | 11 6 | 15 49 | 2 18 | 4 8 |
| S 20 | 19 56 | 17 36 | 2 33 | 13 29 | 0 18 | 6 11 | 0 21 | 23 7 | 1 1 | 3 54 | 1 31 | 21 54 | 0 29 | 21 21 | 0 37 | 19 20 | 1 34 | 12 25 | 16 57 | 11 8 | 11 5 | 15 50 | 2 17 | 4 8 |
| M21 | 19 43 | 19 2 | 3 33 | 12 52 | 0 10 | 5 41 | 0 17 | 23 2 | 1 1 | 3 55 | 1 31 | 21 55 | 0 29 | 21 22 | 0 37 | 19 20 | 1 34 | 12 24 | 16 57 | 11 7 | 11 4 | 15 51 | 2 17 | 4 8 |
| T 22 | 19 29 | 19 14 | 4 19 | 12 15 | 0 1 | 5 11 | 0 13 | 22 56 | 1 1 | 3 56 | 1 32 | 21 56 | 0 29 | 21 22 | 0 37 | 19 20 | 1 34 | 12 23 | 16 56 | 11 4 | 11 3 | 15 52 | 2 17 | 4 9 |
| W23 | 19 16 | 18 12 | 4 49 | 11 38 | 0s 8 | 4 41 | 0 8 | 22 50 | 1 2 | 3 58 | 1 32 | 21 57 | 0 29 | 21 23 | 0 37 | 19 20 | 1 34 | 12 22 | 16 56 | 11 1 | 11 2 | 15 53 | 2 16 | 4 9 |
| T 24 | 19 2 | 16 4 | 5 1 | 11 1 | 0 17 | 4 11 | 0 4 | 22 44 | 1 2 | 3 59 | 1 32 | 21 58 | 0 29 | 21 23 | 0 37 | 19 20 | 1 34 | 12 21 | 16 55 | 10 57 | 11 1 | 15 54 | 2 16 | 4 9 |
| F 25 | 18 48 | 13 1 | 4 54 | 10 24 | 0 26 | 3 41 | 0s 1 | 22 38 | 1 2 | 4 0 | 1 33 | 21 58 | 0 29 | 21 23 | 0 37 | 19 20 | 1 34 | 12 20 | 16 55 | 10 53 | 11 0 | 15 55 | 2 15 | 4 9 |
| S 26 | 18 33 | 9 20 | 4 31 | 9 48 | 0 35 | 3 11 | 0 5 | 22 32 | 1 3 | 4 2 | 1 33 | 21 59 | 0 29 | 21 24 | 0 37 | 19 20 | 1 34 | 12 19 | 16 54 | 10 49 | 10 59 | 15 56 | 2 15 | 4 9 |
| S 27 | 18 18 | 5 16 | 3 53 | 9 11 | 0 45 | 2 41 | 0 10 | 22 26 | 1 3 | 4 4 | 1 33 | 22 0 | 0 29 | 21 24 | 0 37 | 19 20 | 1 34 | 12 18 | 16 54 | 10 45 | 10 57 | 15 57 | 2 14 | 4 9 |
| M28 | 18 3 | 1 5 | 3 4 | 8 35 | 0 55 | 2 11 | 0 15 | 22 19 | 1 3 | 4 5 | 1 33 | 22 1 | 0 30 | 21 25 | 0 37 | 19 20 | 1 34 | 12 17 | 16 53 | 10 42 | 10 56 | 15 58 | 2 14 | 4 9 |
| T 29 | 17 47 | 3s 3 | 2 8 | 8 0 | 1 5 | 1 40 | 0 20 | 22 12 | 1 4 | 4 7 | 1 34 | 22 2 | 0 30 | 21 25 | 0 37 | 19 20 | 1 34 | 12 16 | 16 53 | 10 41 | 10 55 | 15 59 | 2 13 | 4 9 |
| W30 | 17 32 | 6 58 | 1 6 | 7 25 | 1 15 | 1 10 | 0 25 | 22 5 | 1 4 | 4 9 | 1 34 | 22 2 | 0 30 | 21 26 | 0 37 | 19 20 | 1 34 | 12 15 | 16 53 | 10 40 | 10 54 | 16 0 | 2 13 | 4 10 |
| T 31 | 17n16 | 10s31 | 0s 3 | 6n51 | 1s25 | 0n40 | 0s30 | 21n58 | 1n 4 | 4s11 | 1s34 | 22s 3 | 0s30 | 21s26 | 0s37 | 19s20 | 1n34 | 12n14 | 16n52 | 10s40 | 10s53 | 16s 1 | 2n12 | 4n10 |

Julian Day Number = 2082836.5, Delta T = 25m10s
Ecliptic obliquity = 23°34'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'13, Lahiri = 9°47'14 Julian Calendar 1 July 990 == Greg. Calendar 6 July 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## AUGUST 990 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 20 58 2 | 13♌ 3'14 | 8♏56 | 10♍17 | 28♍16 | 27♋23 | 23°R 4 | 23°R 7 | 27°R 8 | 2°R58 | 8♎ 8 | 27°R34 | 28♎ 7 | 20♏16 | 25°R56 | F 1 |
| S 2 | 21 1 58 | 14° 1'03 | 20°45 | 11°19 | 29°20 | 28° 1 | 22♓59 | 23♑ 3 | 27♑ 6 | 2♐57 | 8°10 | 27♎34 | 28° 4 | 20°23 | 25♓54 | S 2 |
| S 3 | 21 5 55 | 14°58'53 | 2♐36 | 12°18 | 0♎24 | 28°39 | 22°55 | 22°59 | 27° 3 | 2°57 | 8°11 | 27°33 | 28° 1 | 20°29 | 25°52 | S 3 |
| M 4 | 21 9 51 | 15°56'45 | 14°33 | 13°14 | 1°27 | 29°18 | 22°50 | 22°55 | 27° 1 | 2°57 | 8°13 | 27°29 | 27°58 | 20°36 | 25°50 | M 4 |
| T 5 | 21 13 48 | 16°54'38 | 26°42 | 14° 7 | 2°30 | 29°56 | 22°45 | 22°52 | 26°59 | 2°57 | 8°14 | 27°23 | 27°54 | 20°43 | 25°48 | T 5 |
| W 6 | 21 17 44 | 17°52'32 | 9♑ 7 | 14°58 | 3°33 | 0♌34 | 22°40 | 22°48 | 26°57 | 2°57 | 8°16 | 27°15 | 27°51 | 20°49 | 25°46 | W 6 |
| T 7 | 21 21 41 | 18°50'28 | 21°48 | 15°45 | 4°36 | 1°12 | 22°34 | 22°44 | 26°55 | 2°57 | 8°18 | 27° 5 | 27°48 | 20°56 | 25°44 | T 7 |
| F 8 | 21 25 38 | 19°48'25 | 4♒49 | 16°28 | 5°39 | 1°50 | 22°29 | 22°40 | 26°52 | 2°57 | 8°20 | 26°54 | 27°45 | 21° 3 | 25°42 | F 8 |
| S 9 | 21 29 34 | 20°46'23 | 18° 7 | 17° 8 | 6°41 | 2°29 | 22°23 | 22°36 | 26°50 | 2°56 | 8°21 | 26°42 | 27°42 | 21° 9 | 25°40 | S 9 |
| S 10 | 21 33 31 | 21°44'24 | 1♓42 | 17°44 | 7°43 | 3° 7 | 22°18 | 22°33 | 26°48 | 2°D56 | 8°23 | 26°33 | 27°38 | 21°16 | 25°38 | S 10 |
| M11 | 21 37 27 | 22°42'25 | 15°29 | 18°16 | 8°44 | 3°45 | 22°12 | 22°29 | 26°46 | 2°56 | 8°25 | 26°25 | 27°35 | 21°23 | 25°36 | M11 |
| T 12 | 21 41 24 | 23°40'29 | 29°26 | 18°44 | 9°45 | 4°23 | 22° 6 | 22°26 | 26°44 | 2°57 | 8°27 | 26°19 | 27°32 | 21°29 | 25°34 | T 12 |
| W13 | 21 45 20 | 24°38'35 | 13♈30 | 19° 7 | 10°46 | 5° 1 | 21°59 | 22°22 | 26°42 | 2°57 | 8°29 | 26°17 | 27°29 | 21°36 | 25°31 | W13 |
| T 14 | 21 49 17 | 25°36'43 | 27°37 | 19°25 | 11°47 | 5°39 | 21°53 | 22°19 | 26°40 | 2°57 | 8°30 | 26°D16 | 27°26 | 21°43 | 25°29 | T 14 |
| F 15 | 21 53 13 | 26°34'52 | 11♉46 | 19°37 | 12°47 | 6°17 | 21°46 | 22°16 | 26°38 | 2°57 | 8°32 | 26°17 | 27°23 | 21°49 | 25°27 | F 15 |
| S 16 | 21 57 10 | 27°33'04 | 25°55 | 19°44 | 13°47 | 6°55 | 21°40 | 22°13 | 26°36 | 2°57 | 8°34 | 26°R17 | 27°19 | 21°56 | 25°25 | S 16 |
| S 17 | 22 1 7 | 28°31'18 | 10♊ 2 | 19°R46 | 14°47 | 7°33 | 21°33 | 22° 9 | 26°34 | 2°57 | 8°36 | 26°17 | 27°16 | 22° 3 | 25°22 | S 17 |
| M18 | 22 5 3 | 29°29'34 | 24° 7 | 19°41 | 15°47 | 8°11 | 21°26 | 22° 6 | 26°32 | 2°58 | 8°38 | 26°14 | 27°13 | 22° 9 | 25°20 | M18 |
| T 19 | 22 9 0 | 0♍27'53 | 8♋ 8 | 19°30 | 16°45 | 8°49 | 21°19 | 22° 3 | 26°30 | 2°58 | 8°40 | 26° 9 | 27°10 | 22°16 | 25°18 | T 19 |
| W20 | 22 12 56 | 1°26'13 | 22° 2 | 19°12 | 17°44 | 9°27 | 21°12 | 22° 0 | 26°29 | 2°58 | 8°42 | 26° 2 | 27° 7 | 22°23 | 25°15 | W20 |
| T 21 | 22 16 53 | 2°24'35 | 5♌46 | 18°48 | 18°42 | 10° 5 | 21° 5 | 21°57 | 26°27 | 2°58 | 8°44 | 25°54 | 27° 3 | 22°29 | 25°13 | T 21 |
| F 22 | 22 20 49 | 3°23'00 | 19°19 | 18°17 | 19°40 | 10°43 | 20°58 | 21°55 | 26°25 | 2°59 | 8°46 | 25°45 | 27° 0 | 22°36 | 25°10 | F 22 |
| S 23 | 22 24 46 | 4°21'26 | 2♍36 | 17°40 | 20°37 | 11°21 | 20°51 | 21°52 | 26°23 | 2°59 | 8°48 | 25°36 | 26°57 | 22°43 | 25° 8 | S 23 |
| S 24 | 22 28 42 | 5°19'54 | 15°36 | 16°56 | 21°34 | 11°59 | 20°43 | 21°49 | 26°22 | 3° 0 | 8°50 | 25°29 | 26°54 | 22°49 | 25° 5 | S 24 |
| M25 | 22 32 39 | 6°18'24 | 28°20 | 16° 7 | 22°31 | 12°37 | 20°36 | 21°47 | 26°20 | 3° 0 | 8°52 | 25°23 | 26°51 | 22°56 | 25° 3 | M25 |
| T 26 | 22 36 35 | 7°16'56 | 10♎46 | 15°13 | 23°27 | 13°15 | 20°28 | 21°44 | 26°18 | 3° 1 | 8°55 | 25°20 | 26°48 | 23° 2 | 25° 0 | T 26 |
| W27 | 22 40 32 | 8°15'30 | 22°57 | 14°14 | 24°23 | 13°53 | 20°20 | 21°42 | 26°17 | 3° 1 | 8°57 | 25°D19 | 26°44 | 23° 9 | 24°58 | W27 |
| T 28 | 22 44 29 | 9°14'06 | 4♏57 | 13°13 | 25°18 | 14°31 | 20°13 | 21°40 | 26°15 | 3° 2 | 8°59 | 25°19 | 26°41 | 23°16 | 24°55 | T 28 |
| F 29 | 22 48 25 | 10°12'43 | 16°49 | 12° 9 | 26°12 | 15° 9 | 20° 5 | 21°37 | 26°14 | 3° 2 | 9° 1 | 25°21 | 26°38 | 23°22 | 24°53 | F 29 |
| S 30 | 22 52 22 | 11°11'22 | 28°37 | 11° 5 | 27° 6 | 15°46 | 19°57 | 21°35 | 26°12 | 3° 3 | 9° 3 | 25°22 | 26°35 | 23°29 | 24°50 | S 30 |
| S 31 | 22 56 18 | 12♍10'03 | 10♐28 | 10♍ 2 | 28♎ 0 | 16♌24 | 19♓49 | 21♑33 | 26♑11 | 3♐ 4 | 9♎ 5 | 25°R23 | 26♎32 | 23♏36 | 24♓47 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n59 | 13s36 | 1n 0 | 6n17 | 1s35 | 0n 9 | 0s35 | 21n51 | 1n 4 | 4s13 | 1s34 | 22s 4 | 0s30 | 21s27 | 0s37 | 19s20 | 1n34 | 12n13 | 16n52 | 10s40 | 10s52 | 16s 2 | 2n11 | 4n10 |
| S 2 | 16 43 | 16 6 | 2 0 | 5 45 | 1 45 | 0s21 | 0 40 | 21 44 | 1 5 | 4 15 | 1 35 | 22 5 | 0 30 | 21 27 | 0 37 | 19 20 | 1 34 | 12 12 | 16 51 | 10 40 | 10 51 | 16 3 | 2 11 | 4 10 |
| S 3 | 16 26 | 17 56 | 2 55 | 5 13 | 1 55 | 0 51 | 0 45 | 21 36 | 1 5 | 4 17 | 1 35 | 22 5 | 0 30 | 21 28 | 0 37 | 19 20 | 1 34 | 12 11 | 16 51 | 10 39 | 10 49 | 16 4 | 2 10 | 4 10 |
| M 4 | 16 9 | 18 59 | 3 43 | 4 42 | 2 5 | 1 21 | 0 51 | 21 28 | 1 5 | 4 19 | 1 35 | 22 6 | 0 30 | 21 28 | 0 37 | 19 20 | 1 34 | 12 10 | 16 50 | 10 38 | 10 48 | 16 5 | 2 9 | 4 10 |
| T 5 | 15 51 | 19 11 | 4 21 | 4 12 | 2 15 | 1 52 | 0 56 | 21 21 | 1 6 | 4 21 | 1 35 | 22 7 | 0 30 | 21 28 | 0 37 | 19 20 | 1 33 | 12 9 | 16 50 | 10 36 | 10 47 | 16 6 | 2 9 | 4 10 |
| W 6 | 15 33 | 18 28 | 4 48 | 3 43 | 2 25 | 2 22 | 1 2 | 21 13 | 1 6 | 4 23 | 1 36 | 22 8 | 0 30 | 21 29 | 0 37 | 19 20 | 1 33 | 12 8 | 16 49 | 10 33 | 10 46 | 16 7 | 2 8 | 4 10 |
| T 7 | 15 15 | 16 50 | 5 2 | 3 16 | 2 35 | 2 52 | 1 7 | 21 5 | 1 6 | 4 26 | 1 36 | 22 8 | 0 30 | 21 29 | 0 37 | 19 20 | 1 33 | 12 7 | 16 49 | 10 29 | 10 45 | 16 8 | 2 7 | 4 10 |
| F 8 | 14 57 | 14 18 | 5 0 | 2 50 | 2 45 | 3 22 | 1 13 | 20 56 | 1 7 | 4 28 | 1 36 | 22 9 | 0 30 | 21 30 | 0 37 | 19 20 | 1 33 | 12 6 | 16 49 | 10 25 | 10 44 | 16 9 | 2 7 | 4 10 |
| S 9 | 14 39 | 11 0 | 4 42 | 2 25 | 2 55 | 3 52 | 1 18 | 20 48 | 1 7 | 4 31 | 1 36 | 22 10 | 0 30 | 21 30 | 0 37 | 19 20 | 1 33 | 12 5 | 16 48 | 10 21 | 10 43 | 16 10 | 2 6 | 4 10 |
| S 10 | 14 20 | 7 4 | 4 8 | 2 2 | 3 4 | 4 22 | 1 24 | 20 39 | 1 7 | 4 33 | 1 37 | 22 10 | 0 30 | 21 30 | 0 37 | 19 20 | 1 33 | 12 4 | 16 48 | 10 18 | 10 41 | 16 11 | 2 5 | 4 11 |
| M11 | 14 1 | 2 41 | 3 20 | 1 42 | 3 14 | 4 51 | 1 30 | 20 31 | 1 7 | 4 36 | 1 37 | 22 11 | 0 30 | 21 31 | 0 37 | 19 20 | 1 33 | 12 3 | 16 47 | 10 15 | 10 40 | 16 12 | 2 4 | 4 11 |
| T 12 | 13 42 | 1n53 | 2 18 | 1 23 | 3 23 | 5 21 | 1 36 | 20 22 | 1 8 | 4 38 | 1 37 | 22 12 | 0 31 | 21 31 | 0 37 | 19 20 | 1 33 | 12 2 | 16 47 | 10 13 | 10 39 | 16 13 | 2 4 | 4 11 |
| W13 | 13 23 | 6 24 | 1 8 | 1 6 | 3 31 | 5 51 | 1 42 | 20 13 | 1 8 | 4 41 | 1 37 | 22 12 | 0 31 | 21 32 | 0 37 | 19 20 | 1 33 | 12 1 | 16 47 | 10 12 | 10 38 | 16 14 | 2 3 | 4 11 |
| T 14 | 13 3 | 10 34 | 0s 7 | 0 51 | 3 39 | 6 20 | 1 47 | 20 4 | 1 8 | 4 44 | 1 37 | 22 13 | 0 31 | 21 32 | 0 37 | 19 20 | 1 33 | 12 0 | 16 46 | 10 12 | 10 37 | 16 15 | 2 2 | 4 11 |
| F 15 | 12 43 | 14 9 | 1 22 | 0 40 | 3 46 | 6 49 | 1 53 | 19 54 | 1 8 | 4 46 | 1 38 | 22 13 | 0 31 | 21 32 | 0 37 | 19 20 | 1 33 | 11 59 | 16 46 | 10 12 | 10 36 | 16 15 | 2 1 | 4 11 |
| S 16 | 12 23 | 16 53 | 2 32 | 0 31 | 3 53 | 7 18 | 1 59 | 19 45 | 1 9 | 4 49 | 1 38 | 22 14 | 0 31 | 21 33 | 0 37 | 19 21 | 1 33 | 11 58 | 16 45 | 10 12 | 10 35 | 16 16 | 2 0 | 4 11 |
| S 17 | 12 3 | 18 34 | 3 32 | 0 25 | 3 59 | 7 47 | 2 5 | 19 35 | 1 9 | 4 52 | 1 38 | 22 14 | 0 31 | 21 33 | 0 37 | 19 21 | 1 33 | 11 57 | 16 45 | 10 12 | 10 33 | 16 17 | 1 59 | 4 11 |
| M18 | 11 43 | 19 7 | 4 20 | 0 22 | 4 4 | 8 16 | 2 12 | 19 26 | 1 9 | 4 55 | 1 38 | 22 15 | 0 31 | 21 33 | 0 37 | 19 21 | 1 33 | 11 55 | 16 45 | 10 11 | 10 32 | 16 18 | 1 58 | 4 11 |
| T 19 | 11 22 | 18 28 | 4 51 | 0 23 | 4 8 | 8 44 | 2 18 | 19 16 | 1 10 | 4 58 | 1 38 | 22 16 | 0 31 | 21 34 | 0 37 | 19 21 | 1 33 | 11 54 | 16 44 | 10 9 | 10 31 | 16 19 | 1 58 | 4 11 |
| W20 | 11 1 | 16 44 | 5 5 | 0 27 | 4 11 | 9 12 | 2 24 | 19 6 | 1 10 | 5 1 | 1 39 | 22 16 | 0 31 | 21 34 | 0 37 | 19 21 | 1 33 | 11 53 | 16 44 | 10 7 | 10 30 | 16 20 | 1 57 | 4 11 |
| T 21 | 10 40 | 14 3 | 5 2 | 0 35 | 4 13 | 9 41 | 2 30 | 18 56 | 1 10 | 5 4 | 1 39 | 22 17 | 0 31 | 21 34 | 0 37 | 19 21 | 1 33 | 11 52 | 16 44 | 10 3 | 10 29 | 16 21 | 1 56 | 4 11 |
| F 22 | 10 19 | 10 40 | 4 41 | 0 47 | 4 13 | 10 8 | 2 36 | 18 46 | 1 10 | 5 7 | 1 39 | 22 17 | 0 31 | 21 35 | 0 37 | 19 21 | 1 33 | 11 51 | 16 43 | 10 0 | 10 28 | 16 22 | 1 55 | 4 11 |
| S 23 | 9 58 | 6 47 | 4 5 | 1 2 | 4 12 | 10 36 | 2 42 | 18 36 | 1 11 | 5 10 | 1 39 | 22 18 | 0 31 | 21 35 | 0 36 | 19 21 | 1 32 | 11 50 | 16 43 | 9 57 | 10 26 | 16 23 | 1 54 | 4 11 |
| S 24 | 9 36 | 2 40 | 3 17 | 1 22 | 4 9 | 11 3 | 2 49 | 18 25 | 1 11 | 5 13 | 1 39 | 22 18 | 0 31 | 21 35 | 0 36 | 19 22 | 1 32 | 11 49 | 16 43 | 9 54 | 10 25 | 16 24 | 1 53 | 4 11 |
| M25 | 9 15 | 1s29 | 2 20 | 1 46 | 4 4 | 11 31 | 2 55 | 18 15 | 1 11 | 5 16 | 1 39 | 22 19 | 0 31 | 21 36 | 0 36 | 19 22 | 1 32 | 11 48 | 16 43 | 9 52 | 10 24 | 16 25 | 1 52 | 4 11 |
| T 26 | 8 53 | 5 29 | 1 18 | 2 13 | 3 57 | 11 57 | 3 1 | 18 4 | 1 11 | 5 19 | 1 39 | 22 19 | 0 31 | 21 36 | 0 36 | 19 22 | 1 32 | 11 47 | 16 42 | 9 51 | 10 23 | 16 26 | 1 51 | 4 11 |
| W27 | 8 31 | 9 10 | 0 13 | 2 44 | 3 48 | 12 24 | 3 7 | 17 53 | 1 12 | 5 22 | 1 40 | 22 19 | 0 31 | 21 36 | 0 36 | 19 22 | 1 32 | 11 46 | 16 42 | 9 51 | 10 22 | 16 26 | 1 50 | 4 11 |
| T 28 | 8 9 | 12 25 | 0n52 | 3 17 | 3 37 | 12 50 | 3 14 | 17 43 | 1 12 | 5 25 | 1 40 | 22 20 | 0 31 | 21 37 | 0 36 | 19 22 | 1 32 | 11 45 | 16 42 | 9 51 | 10 21 | 16 27 | 1 49 | 4 11 |
| F 29 | 7 47 | 15 8 | 1 54 | 3 53 | 3 25 | 13 16 | 3 20 | 17 32 | 1 12 | 5 29 | 1 40 | 22 20 | 0 31 | 21 37 | 0 36 | 19 22 | 1 32 | 11 44 | 16 41 | 9 51 | 10 20 | 16 28 | 1 48 | 4 11 |
| S 30 | 7 24 | 17 11 | 2 51 | 4 31 | 3 10 | 13 42 | 3 26 | 17 21 | 1 12 | 5 32 | 1 40 | 22 21 | 0 31 | 21 37 | 0 36 | 19 22 | 1 32 | 11 42 | 16 41 | 9 52 | 10 18 | 16 29 | 1 47 | 4 11 |
| S 31 | 7n 2 | 18s30 | 3n41 | 5n10 | 2s54 | 14s 7 | 3s33 | 17n 9 | 1n13 | 5s35 | 1s40 | 22s21 | 0s31 | 21s37 | 0s36 | 19s23 | 1n32 | 11n41 | 16n41 | 9s52 | 10s17 | 16s30 | 1n46 | 4n11 |

Julian Day Number = 2082867.5, Delta T = 25m10s
Ecliptic obliquity = 23°34'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'18, Lahiri = 9°47'18 Julian Calendar 1 Aug. 990 == Greg. Calendar 6 Aug. 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## SEPTEMBER 990 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 23 0 15 | 13♍ 8'45 | 22♐26 | 9°R 2 | 28♎52 | 17♌ 2 | 19°R41 | 21°R31 | 26°R 9 | 3♐ 4 | 9♎ 8 | 25°R22 | 26♎29 | 23♏42 | 24°R45 | M 1 |
| T 2 | 23 4 11 | 14° 7'30 | 4♑36 | 8♍ 7 | 29°45 | 17°40 | 19♓33 | 21♑30 | 26♑ 8 | 3° 5 | 9°10 | 25♎20 | 26°25 | 23°49 | 24♓42 | T 2 |
| W 3 | 23 8 8 | 15° 6'16 | 17° 2 | 7°16 | 0♏36 | 18°18 | 19°25 | 21°28 | 26° 7 | 3° 6 | 9°12 | 25°16 | 26°22 | 23°56 | 24°39 | W 3 |
| T 4 | 23 12 4 | 16° 5'04 | 29°49 | 6°33 | 1°27 | 18°55 | 19°17 | 21°26 | 26° 5 | 3° 7 | 9°14 | 25°11 | 26°19 | 24° 2 | 24°37 | T 4 |
| F 5 | 23 16 1 | 17° 3'53 | 12♒57 | 5°58 | 2°18 | 19°33 | 19° 9 | 21°25 | 26° 4 | 3° 8 | 9°16 | 25° 5 | 26°16 | 24° 9 | 24°34 | F 5 |
| S 6 | 23 19 58 | 18° 2'45 | 26°29 | 5°32 | 3° 7 | 20°11 | 19° 1 | 21°23 | 26° 3 | 3° 8 | 9°19 | 24°59 | 26°13 | 24°16 | 24°31 | S 6 |
| S 7 | 23 23 54 | 19° 1'38 | 10♓21 | 5°16 | 3°56 | 20°48 | 18°53 | 21°22 | 26° 2 | 3° 9 | 9°21 | 24°53 | 26° 9 | 24°22 | 24°29 | S 7 |
| M 8 | 23 27 51 | 20° 0'34 | 24°32 | 5°D10 | 4°44 | 21°26 | 18°45 | 21°20 | 26° 1 | 3°10 | 9°23 | 24°49 | 26° 6 | 24°29 | 24°26 | M 8 |
| T 9 | 23 31 47 | 20°59'31 | 8♈55 | 5°14 | 5°31 | 22° 4 | 18°37 | 21°19 | 26° 0 | 3°11 | 9°26 | 24°46 | 26° 3 | 24°36 | 24°23 | T 9 |
| W10 | 23 35 44 | 21°58'31 | 23°25 | 5°29 | 6°18 | 22°41 | 18°29 | 21°18 | 25°59 | 3°12 | 9°28 | 24°D45 | 26° 0 | 24°42 | 24°20 | W10 |
| T 11 | 23 39 40 | 22°57'33 | 7♉57 | 5°53 | 7° 3 | 23°19 | 18°21 | 21°17 | 25°58 | 3°13 | 9°30 | 24°46 | 25°57 | 24°49 | 24°18 | T 11 |
| F 12 | 23 43 37 | 23°56'37 | 22°26 | 6°27 | 7°48 | 23°57 | 18°13 | 21°16 | 25°57 | 3°14 | 9°33 | 24°47 | 25°54 | 24°56 | 24°15 | F 12 |
| S 13 | 23 47 33 | 24°55'44 | 6♊47 | 7°10 | 8°32 | 24°34 | 18° 5 | 21°15 | 25°56 | 3°15 | 9°35 | 24°49 | 25°50 | 25° 2 | 24°12 | S 13 |
| S 14 | 23 51 30 | 25°54'53 | 20°58 | 8° 1 | 9°14 | 25°12 | 17°57 | 21°15 | 25°55 | 3°16 | 9°37 | 24°R49 | 25°47 | 25° 9 | 24°10 | S 14 |
| M15 | 23 55 27 | 26°54'05 | 4♋58 | 9° 0 | 9°56 | 25°50 | 17°49 | 21°14 | 25°54 | 3°18 | 9°40 | 24°49 | 25°44 | 25°16 | 24° 7 | M15 |
| T 16 | 23 59 23 | 27°53'19 | 18°46 | 10° 6 | 10°37 | 26°27 | 17°42 | 21°14 | 25°53 | 3°19 | 9°42 | 24°48 | 25°41 | 25°22 | 24° 4 | T 16 |
| W17 | 0 3 20 | 28°52'35 | 2♌20 | 11°19 | 11°17 | 27° 5 | 17°34 | 21°13 | 25°53 | 3°20 | 9°44 | 24°45 | 25°38 | 25°29 | 24° 2 | W17 |
| T 18 | 0 7 16 | 29°51'54 | 15°41 | 12°36 | 11°55 | 27°42 | 17°26 | 21°13 | 25°52 | 3°21 | 9°47 | 24°42 | 25°34 | 25°36 | 23°59 | T 18 |
| F 19 | 0 11 13 | 0♎51'15 | 28°48 | 13°59 | 12°33 | 28°20 | 17°18 | 21°13 | 25°52 | 3°22 | 9°49 | 24°38 | 25°31 | 25°42 | 23°56 | F 19 |
| S 20 | 0 15 9 | 1°50'38 | 11♍42 | 15°26 | 13° 9 | 28°57 | 17°11 | 21°13 | 25°51 | 3°24 | 9°51 | 24°34 | 25°28 | 25°49 | 23°53 | S 20 |
| S 21 | 0 19 6 | 2°50'03 | 24°22 | 16°56 | 13°44 | 29°35 | 17° 3 | 21°D13 | 25°50 | 3°25 | 9°54 | 24°31 | 25°25 | 25°56 | 23°51 | S 21 |
| M22 | 0 23 2 | 3°49'30 | 6♎49 | 18°29 | 14°17 | 0♍12 | 16°56 | 21°13 | 25°50 | 3°26 | 9°56 | 24°29 | 25°22 | 26° 2 | 23°48 | M22 |
| T 23 | 0 26 59 | 4°49'00 | 19° 4 | 20° 4 | 14°50 | 0°50 | 16°49 | 21°13 | 25°50 | 3°28 | 9°59 | 24°D28 | 25°19 | 26° 9 | 23°45 | T 23 |
| W24 | 0 30 55 | 5°48'31 | 1♏ 8 | 21°42 | 15°20 | 1°27 | 16°42 | 21°13 | 25°49 | 3°29 | 10° 1 | 24°28 | 25°15 | 26°16 | 23°43 | W24 |
| T 25 | 0 34 52 | 6°48'05 | 13° 4 | 23°21 | 15°50 | 2° 5 | 16°34 | 21°14 | 25°49 | 3°30 | 10° 3 | 24°29 | 25°12 | 26°22 | 23°40 | T 25 |
| F 26 | 0 38 49 | 7°47'40 | 24°54 | 25° 1 | 16°17 | 2°42 | 16°27 | 21°14 | 25°49 | 3°32 | 10° 6 | 24°31 | 25° 9 | 26°29 | 23°38 | F 26 |
| S 27 | 0 42 45 | 8°47'17 | 6♐41 | 26°42 | 16°44 | 3°19 | 16°21 | 21°15 | 25°49 | 3°33 | 10° 8 | 24°32 | 25° 6 | 26°36 | 23°35 | S 27 |
| S 28 | 0 46 42 | 9°46'56 | 18°31 | 28°24 | 17° 8 | 3°57 | 16°14 | 21°15 | 25°48 | 3°35 | 10°11 | 24°33 | 25° 3 | 26°42 | 23°32 | S 28 |
| M29 | 0 50 38 | 10°46'37 | 0♑28 | 0♎ 6 | 17°31 | 4°34 | 16° 7 | 21°16 | 25°48 | 3°36 | 10°13 | 24°34 | 25° 0 | 26°49 | 23°30 | M29 |
| T 30 | 0 54 35 | 11♎46'20 | 12♑35 | 1♎48 | 17♏52 | 5♍12 | 16♓ 1 | 21♑17 | 25°D48 | 3♐38 | 10♎15 | 24°R34 | 24♎56 | 26♏56 | 23♓27 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n39 | 19s 0 | 4n21 | 5n48 | 2s37 | 14s32 | 3s39 | 16n58 | 1n13 | 5s38 | 1s40 | 22s21 | 0s32 | 21s38 | 0s36 | 19s23 | 1n32 | 11n40 | 16n41 | 9s52 | 10s16 | 16s31 | 1n45 | 4n11 |
| T 2 | 6 17 | 18 39 | 4 51 | 6 27 | 2 18 | 14 57 | 3 45 | 16 47 | 1 13 | 5 41 | 1 40 | 22 22 | 0 32 | 21 38 | 0 36 | 19 23 | 1 32 | 11 39 | 16 40 | 9 51 | 10 15 | 16 32 | 1 44 | 4 11 |
| W 3 | 5 54 | 17 23 | 5 8 | 7 3 | 1 59 | 15 21 | 3 52 | 16 35 | 1 13 | 5 45 | 1 40 | 22 22 | 0 32 | 21 38 | 0 36 | 19 23 | 1 32 | 11 38 | 16 40 | 9 50 | 10 14 | 16 33 | 1 43 | 4 11 |
| T 4 | 5 31 | 15 15 | 5 10 | 7 38 | 1 39 | 15 45 | 3 58 | 16 24 | 1 13 | 5 48 | 1 40 | 22 22 | 0 32 | 21 38 | 0 36 | 19 23 | 1 32 | 11 37 | 16 40 | 9 48 | 10 13 | 16 34 | 1 41 | 4 11 |
| F 5 | 5 8 | 12 17 | 4 56 | 8 9 | 1 19 | 16 9 | 4 4 | 16 12 | 1 14 | 5 51 | 1 40 | 22 23 | 0 32 | 21 39 | 0 36 | 19 24 | 1 32 | 11 36 | 16 40 | 9 46 | 10 11 | 16 34 | 1 40 | 4 11 |
| S 6 | 4 45 | 8 36 | 4 25 | 8 37 | 0 59 | 16 32 | 4 10 | 16 0 | 1 14 | 5 54 | 1 40 | 22 23 | 0 32 | 21 39 | 0 36 | 19 24 | 1 32 | 11 35 | 16 40 | 9 43 | 10 10 | 16 35 | 1 39 | 4 11 |
| S 7 | 4 22 | 4 21 | 3 39 | 9 1 | 0 39 | 16 55 | 4 17 | 15 48 | 1 14 | 5 57 | 1 40 | 22 23 | 0 32 | 21 39 | 0 36 | 19 24 | 1 32 | 11 34 | 16 39 | 9 41 | 10 9 | 16 36 | 1 38 | 4 11 |
| M 8 | 3 59 | 0n13 | 2 38 | 9 21 | 0 20 | 17 17 | 4 23 | 15 36 | 1 14 | 6 1 | 1 40 | 22 23 | 0 32 | 21 39 | 0 36 | 19 24 | 1 32 | 11 33 | 16 39 | 9 40 | 10 8 | 16 37 | 1 37 | 4 11 |
| T 9 | 3 35 | 4 52 | 1 26 | 9 36 | 0 3 | 17 39 | 4 29 | 15 24 | 1 15 | 6 4 | 1 40 | 22 24 | 0 32 | 21 39 | 0 36 | 19 25 | 1 31 | 11 32 | 16 39 | 9 39 | 10 7 | 16 38 | 1 36 | 4 11 |
| W10 | 3 12 | 9 15 | 0 7 | 9 46 | 0n14 | 18 0 | 4 35 | 15 12 | 1 15 | 6 7 | 1 40 | 22 24 | 0 32 | 21 39 | 0 36 | 19 25 | 1 31 | 11 31 | 16 39 | 9 38 | 10 6 | 16 39 | 1 35 | 4 11 |
| T 11 | 2 49 | 13 6 | 1s12 | 9 52 | 0 30 | 18 21 | 4 41 | 15 0 | 1 15 | 6 10 | 1 40 | 22 24 | 0 32 | 21 40 | 0 36 | 19 25 | 1 31 | 11 30 | 16 39 | 9 38 | 10 4 | 16 40 | 1 34 | 4 11 |
| F 12 | 2 25 | 16 7 | 2 26 | 9 53 | 0 44 | 18 42 | 4 47 | 14 48 | 1 15 | 6 13 | 1 40 | 22 24 | 0 32 | 21 40 | 0 36 | 19 25 | 1 31 | 11 29 | 16 39 | 9 39 | 10 3 | 16 40 | 1 33 | 4 11 |
| S 13 | 2 2 | 18 6 | 3 30 | 9 49 | 0 57 | 19 2 | 4 53 | 14 35 | 1 15 | 6 16 | 1 40 | 22 24 | 0 32 | 21 40 | 0 36 | 19 26 | 1 31 | 11 28 | 16 38 | 9 40 | 10 2 | 16 41 | 1 31 | 4 11 |
| S 14 | 1 38 | 18 55 | 4 21 | 9 40 | 1 9 | 19 22 | 4 59 | 14 23 | 1 16 | 6 19 | 1 40 | 22 24 | 0 32 | 21 40 | 0 36 | 19 26 | 1 31 | 11 27 | 16 38 | 9 40 | 10 1 | 16 42 | 1 30 | 4 11 |
| M15 | 1 14 | 18 33 | 4 56 | 9 28 | 1 19 | 19 41 | 5 4 | 14 10 | 1 16 | 6 22 | 1 40 | 22 25 | 0 32 | 21 40 | 0 36 | 19 26 | 1 31 | 11 26 | 16 38 | 9 40 | 10 0 | 16 43 | 1 29 | 4 11 |
| T 16 | 0 51 | 17 5 | 5 12 | 9 11 | 1 28 | 19 59 | 5 10 | 13 57 | 1 16 | 6 25 | 1 40 | 22 25 | 0 32 | 21 40 | 0 36 | 19 26 | 1 31 | 11 25 | 16 38 | 9 39 | 9 59 | 16 44 | 1 28 | 4 11 |
| W17 | 0 27 | 14 41 | 5 11 | 8 50 | 1 36 | 20 17 | 5 15 | 13 45 | 1 16 | 6 28 | 1 40 | 22 25 | 0 32 | 21 40 | 0 36 | 19 27 | 1 31 | 11 24 | 16 38 | 9 38 | 9 58 | 16 45 | 1 27 | 4 11 |
| T 18 | 0 3 | 11 33 | 4 53 | 8 27 | 1 43 | 20 34 | 5 21 | 13 32 | 1 16 | 6 31 | 1 40 | 22 25 | 0 32 | 21 41 | 0 36 | 19 27 | 1 31 | 11 23 | 16 38 | 9 37 | 9 56 | 16 45 | 1 26 | 4 11 |
| F 19 | 0s20 | 7 53 | 4 20 | 7 59 | 1 48 | 20 51 | 5 26 | 13 19 | 1 17 | 6 34 | 1 40 | 22 25 | 0 32 | 21 41 | 0 36 | 19 27 | 1 31 | 11 22 | 16 38 | 9 36 | 9 55 | 16 46 | 1 25 | 4 11 |
| S 20 | 0 44 | 3 55 | 3 34 | 7 29 | 1 52 | 21 7 | 5 31 | 13 6 | 1 17 | 6 37 | 1 40 | 22 25 | 0 32 | 21 41 | 0 36 | 19 28 | 1 31 | 11 21 | 16 38 | 9 34 | 9 54 | 16 47 | 1 24 | 4 10 |
| S 21 | 1 8 | 0s10 | 2 39 | 6 57 | 1 55 | 21 23 | 5 36 | 12 53 | 1 17 | 6 40 | 1 40 | 22 25 | 0 32 | 21 41 | 0 36 | 19 28 | 1 31 | 11 20 | 16 38 | 9 33 | 9 53 | 16 48 | 1 22 | 4 10 |
| M22 | 1 32 | 4 11 | 1 36 | 6 22 | 1 57 | 21 38 | 5 41 | 12 40 | 1 17 | 6 43 | 1 40 | 22 25 | 0 32 | 21 41 | 0 36 | 19 28 | 1 31 | 11 19 | 16 38 | 9 32 | 9 52 | 16 49 | 1 21 | 4 10 |
| T 23 | 1 55 | 7 58 | 0 30 | 5 46 | 1 58 | 21 52 | 5 46 | 12 27 | 1 17 | 6 46 | 1 40 | 22 25 | 0 32 | 21 41 | 0 36 | 19 28 | 1 31 | 11 18 | 16 38 | 9 32 | 9 51 | 16 49 | 1 20 | 4 10 |
| W24 | 2 19 | 11 21 | 0n37 | 5 7 | 1 58 | 22 6 | 5 51 | 12 13 | 1 18 | 6 48 | 1 40 | 22 25 | 0 32 | 21 41 | 0 36 | 19 29 | 1 31 | 11 17 | 16 37 | 9 32 | 9 49 | 16 50 | 1 19 | 4 10 |
| T 25 | 2 43 | 14 14 | 1 41 | 4 27 | 1 58 | 22 19 | 5 55 | 12 0 | 1 18 | 6 51 | 1 39 | 22 25 | 0 32 | 21 41 | 0 36 | 19 29 | 1 31 | 11 16 | 16 37 | 9 32 | 9 48 | 16 51 | 1 18 | 4 10 |
| F 26 | 3 6 | 16 30 | 2 41 | 3 46 | 1 57 | 22 31 | 5 59 | 11 47 | 1 18 | 6 54 | 1 39 | 22 25 | 0 32 | 21 41 | 0 36 | 19 29 | 1 31 | 11 15 | 16 37 | 9 33 | 9 47 | 16 52 | 1 17 | 4 10 |
| S 27 | 3 30 | 18 2 | 3 33 | 3 4 | 1 55 | 22 43 | 6 3 | 11 33 | 1 18 | 6 56 | 1 39 | 22 25 | 0 32 | 21 41 | 0 36 | 19 30 | 1 31 | 11 14 | 16 37 | 9 33 | 9 46 | 16 53 | 1 16 | 4 10 |
| S 28 | 3 54 | 18 48 | 4 17 | 2 21 | 1 52 | 22 54 | 6 7 | 11 20 | 1 18 | 6 59 | 1 39 | 22 25 | 0 32 | 21 41 | 0 36 | 19 30 | 1 31 | 11 13 | 16 37 | 9 34 | 9 45 | 16 53 | 1 14 | 4 10 |
| M29 | 4 17 | 18 44 | 4 50 | 1 38 | 1 49 | 23 4 | 6 10 | 11 6 | 1 19 | 7 1 | 1 39 | 22 25 | 0 32 | 21 41 | 0 36 | 19 30 | 1 30 | 11 12 | 16 37 | 9 34 | 9 44 | 16 54 | 1 13 | 4 10 |
| T 30 | 4s41 | 17s49 | 5n10 | 0n54 | 1n46 | 23s13 | 6s14 | 10n53 | 1n19 | 7s 4 | 1s39 | 22s24 | 0s32 | 21s41 | 0s36 | 19s31 | 1n30 | 11n11 | 16n37 | 9s34 | 9s42 | 16s55 | 1n12 | 4n 9 |

Julian Day Number = 2082898.5, Delta T = 25m09s
Ecliptic obliquity = 23°34'04, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'22, Lahiri = 9°47'22 Julian Calendar 1 Sept. 990 == Greg. Calendar 6 Sept. 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## OCTOBER 990 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 0 58 31 | 12♎46'05 | 24♉59 | 3♎31 | 18♏11 | 5♍49 | 15°R54 | 21♉18 | 25♉48 | 3♐39 | 10♎18 | 24°R34 | 24♎53 | 27♏ 2 | 23°R25 | W 1 |
| T 2 | 1 2 28 | 13°45'51 | 7♒42 | 5°13 | 18°28 | 6°26 | 15♓48 | 21°19 | 25°48 | 3°41 | 10°20 | 24♎33 | 24°50 | 27° 9 | 23♓22 | T 2 |
| F 3 | 1 6 24 | 14°45'39 | 20°50 | 6°55 | 18°43 | 7° 3 | 15°42 | 21°20 | 25°48 | 3°43 | 10°23 | 24°32 | 24°47 | 27°16 | 23°20 | F 3 |
| S 4 | 1 10 21 | 15°45'28 | 4♓23 | 8°37 | 18°56 | 7°41 | 15°36 | 21°22 | 25°49 | 3°44 | 10°25 | 24°31 | 24°44 | 27°22 | 23°17 | S 4 |
| S 5 | 1 14 18 | 16°45'20 | 18°21 | 10°19 | 19° 7 | 8°18 | 15°30 | 21°23 | 25°49 | 3°46 | 10°27 | 24°30 | 24°40 | 27°29 | 23°15 | S 5 |
| M 6 | 1 18 14 | 17°45'13 | 2♈44 | 12° 1 | 19°16 | 8°55 | 15°25 | 21°25 | 25°49 | 3°48 | 10°30 | 24°29 | 24°37 | 27°36 | 23°12 | M 6 |
| T 7 | 1 22 11 | 18°45'08 | 17°25 | 13°42 | 19°22 | 9°32 | 15°19 | 21°26 | 25°49 | 3°49 | 10°32 | 24°D29 | 24°34 | 27°42 | 23°10 | T 7 |
| W 8 | 1 26 7 | 19°45'05 | 2♉19 | 15°22 | 19°27 | 10°10 | 15°14 | 21°28 | 25°50 | 3°51 | 10°35 | 24°29 | 24°31 | 27°49 | 23° 8 | W 8 |
| T 9 | 1 30 4 | 20°45'04 | 17°17 | 17° 2 | 19°R28 | 10°47 | 15° 9 | 21°30 | 25°50 | 3°53 | 10°37 | 24°29 | 24°28 | 27°56 | 23° 5 | T 9 |
| F 10 | 1 34 0 | 21°45'06 | 2♊11 | 18°42 | 19°28 | 11°24 | 15° 4 | 21°32 | 25°51 | 3°55 | 10°39 | 24°29 | 24°25 | 28° 2 | 23° 3 | F 10 |
| S 11 | 1 37 57 | 22°45'09 | 16°55 | 20°22 | 19°25 | 12° 1 | 14°59 | 21°34 | 25°51 | 3°56 | 10°42 | 24°30 | 24°21 | 28° 9 | 23° 1 | S 11 |
| S 12 | 1 41 53 | 23°45'15 | 1♋22 | 22° 0 | 19°20 | 12°38 | 14°54 | 21°36 | 25°52 | 3°58 | 10°44 | 24°30 | 24°18 | 28°16 | 22°59 | S 12 |
| M13 | 1 45 50 | 24°45'23 | 15°29 | 23°39 | 19°12 | 13°15 | 14°50 | 21°38 | 25°52 | 4° 0 | 10°46 | 24°R30 | 24°15 | 28°22 | 22°56 | M13 |
| T 14 | 1 49 47 | 25°45'33 | 29°15 | 25°17 | 19° 2 | 13°53 | 14°45 | 21°40 | 25°53 | 4° 2 | 10°49 | 24°D30 | 24°12 | 28°29 | 22°54 | T 14 |
| W15 | 1 53 43 | 26°45'45 | 12♌40 | 26°54 | 18°50 | 14°30 | 14°41 | 21°43 | 25°54 | 4° 4 | 10°51 | 24°30 | 24° 9 | 28°36 | 22°52 | W15 |
| T 16 | 1 57 40 | 27°45'59 | 25°46 | 28°31 | 18°35 | 15° 7 | 14°37 | 21°45 | 25°54 | 4° 6 | 10°54 | 24°30 | 24° 6 | 28°42 | 22°50 | T 16 |
| F 17 | 2 1 36 | 28°46'15 | 8♍35 | 0♏ 8 | 18°18 | 15°44 | 14°34 | 21°48 | 25°55 | 4° 8 | 10°56 | 24°31 | 24° 2 | 28°49 | 22°48 | F 17 |
| S 18 | 2 5 33 | 29°46'33 | 21° 9 | 1°44 | 17°58 | 16°21 | 14°30 | 21°50 | 25°56 | 4°10 | 10°58 | 24°31 | 23°59 | 28°56 | 22°46 | S 18 |
| S 19 | 2 9 29 | 0♏46'53 | 3♎31 | 3°20 | 17°36 | 16°58 | 14°27 | 21°53 | 25°57 | 4°12 | 11° 0 | 24°32 | 23°56 | 29° 2 | 22°44 | S 19 |
| M20 | 2 13 26 | 1°47'15 | 15°42 | 4°56 | 17°12 | 17°35 | 14°24 | 21°56 | 25°58 | 4°13 | 11° 3 | 24°32 | 23°53 | 29° 9 | 22°42 | M20 |
| T 21 | 2 17 22 | 2°47'39 | 27°45 | 6°31 | 16°46 | 18°12 | 14°21 | 21°59 | 25°59 | 4°15 | 11° 5 | 24°R32 | 23°50 | 29°16 | 22°40 | T 21 |
| W22 | 2 21 19 | 3°48'05 | 9♏41 | 8° 6 | 16°19 | 18°49 | 14°18 | 22° 2 | 26° 0 | 4°17 | 11° 7 | 24°32 | 23°46 | 29°22 | 22°38 | W22 |
| T 23 | 2 25 15 | 4°48'32 | 21°32 | 9°41 | 15°49 | 19°26 | 14°15 | 22° 5 | 26° 1 | 4°19 | 11°10 | 24°31 | 23°43 | 29°29 | 22°36 | T 23 |
| F 24 | 2 29 12 | 5°49'01 | 3♐21 | 11°15 | 15°18 | 20° 3 | 14°13 | 22° 8 | 26° 2 | 4°22 | 11°12 | 24°29 | 23°40 | 29°36 | 22°34 | F 24 |
| S 25 | 2 33 9 | 6°49'32 | 15° 9 | 12°49 | 14°45 | 20°40 | 14°11 | 22°12 | 26° 4 | 4°24 | 11°14 | 24°28 | 23°37 | 29°42 | 22°33 | S 25 |
| S 26 | 2 37 5 | 7°50'04 | 27° 0 | 14°22 | 14°11 | 21°16 | 14° 9 | 22°15 | 26° 5 | 4°26 | 11°16 | 24°26 | 23°34 | 29°49 | 22°31 | S 26 |
| M27 | 2 41 2 | 8°50'37 | 8♑57 | 15°56 | 13°37 | 21°53 | 14° 7 | 22°19 | 26° 6 | 4°28 | 11°18 | 24°24 | 23°31 | 29°56 | 22°29 | M27 |
| T 28 | 2 44 58 | 9°51'12 | 21° 3 | 17°29 | 13° 1 | 22°30 | 14° 5 | 22°22 | 26° 8 | 4°30 | 11°21 | 24°22 | 23°27 | 0♐ 2 | 22°28 | T 28 |
| W29 | 2 48 55 | 10°51'48 | 3♒23 | 19° 2 | 12°25 | 23° 7 | 14° 4 | 22°26 | 26° 9 | 4°32 | 11°23 | 24°21 | 23°24 | 0° 9 | 22°26 | W29 |
| T 30 | 2 52 51 | 11°52'25 | 16° 1 | 20°35 | 11°49 | 23°44 | 14° 3 | 22°30 | 26°10 | 4°34 | 11°25 | 24°D21 | 23°21 | 0°16 | 22°24 | T 30 |
| F 31 | 2 56 48 | 12♏53'03 | 29♒ 0 | 22♏ 7 | 11♏12 | 24♍20 | 14♓ 2 | 22♉33 | 26♉12 | 4♐36 | 11♎27 | 24♎22 | 23♎18 | 0♐22 | 22♓23 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s 4 | 16s 3 | 5n17 | 0n 9 | 1n42 | 23s21 | 6s17 | 10n39 | 1n19 | 7s 6 | 1s39 | 22s24 | 0s32 | 21s41 | 0s36 | 19s31 | 1n30 | 11n10 | 16n37 | 9s34 | 9s41 | 16s56 | 1n11 | 4n 9 |
| T 2 | 5 28 | 13 28 | 5 9 | 0s36 | 1 37 | 23 29 | 6 19 | 10 25 | 1 19 | 7 8 | 1 38 | 22 24 | 0 33 | 21 41 | 0 36 | 19 31 | 1 30 | 11 9 | 16 37 | 9 34 | 9 40 | 16 57 | 1 10 | 4 9 |
| F 3 | 5 51 | 10 8 | 4 45 | 1 21 | 1 33 | 23 35 | 6 22 | 10 11 | 1 19 | 7 11 | 1 38 | 22 24 | 0 33 | 21 41 | 0 36 | 19 32 | 1 30 | 11 8 | 16 37 | 9 33 | 9 39 | 16 57 | 1 9 | 4 9 |
| S 4 | 6 14 | 6 10 | 4 4 | 2 6 | 1 28 | 23 41 | 6 23 | 9 58 | 1 19 | 7 13 | 1 38 | 22 24 | 0 33 | 21 41 | 0 36 | 19 32 | 1 30 | 11 8 | 16 38 | 9 33 | 9 38 | 16 58 | 1 8 | 4 9 |
| S 5 | 6 37 | 1 45 | 3 8 | 2 51 | 1 23 | 23 45 | 6 25 | 9 44 | 1 20 | 7 15 | 1 38 | 22 24 | 0 33 | 21 41 | 0 36 | 19 32 | 1 30 | 11 7 | 16 38 | 9 33 | 9 37 | 16 59 | 1 7 | 4 9 |
| M 6 | 7 0 | 2n54 | 1 58 | 3 35 | 1 17 | 23 49 | 6 26 | 9 30 | 1 20 | 7 17 | 1 38 | 22 23 | 0 33 | 21 41 | 0 36 | 19 33 | 1 30 | 11 6 | 16 38 | 9 32 | 9 35 | 17 0 | 1 5 | 4 9 |
| T 7 | 7 23 | 7 29 | 0 39 | 4 20 | 1 11 | 23 52 | 6 27 | 9 16 | 1 20 | 7 19 | 1 38 | 22 23 | 0 33 | 21 41 | 0 36 | 19 33 | 1 30 | 11 5 | 16 38 | 9 32 | 9 34 | 17 1 | 1 4 | 4 8 |
| W 8 | 7 46 | 11 40 | 0s43 | 5 5 | 1 5 | 23 53 | 6 27 | 9 2 | 1 20 | 7 21 | 1 37 | 22 23 | 0 33 | 21 41 | 0 36 | 19 34 | 1 30 | 11 4 | 16 38 | 9 32 | 9 33 | 17 1 | 1 3 | 4 8 |
| T 9 | 8 9 | 15 7 | 2 3 | 5 49 | 0 59 | 23 54 | 6 27 | 8 48 | 1 20 | 7 23 | 1 37 | 22 23 | 0 33 | 21 40 | 0 35 | 19 34 | 1 30 | 11 3 | 16 38 | 9 32 | 9 32 | 17 2 | 1 2 | 4 8 |
| F 10 | 8 31 | 17 32 | 3 15 | 6 33 | 0 53 | 23 53 | 6 27 | 8 34 | 1 20 | 7 24 | 1 37 | 22 22 | 0 33 | 21 40 | 0 35 | 19 34 | 1 30 | 11 2 | 16 38 | 9 32 | 9 31 | 17 3 | 1 1 | 4 8 |
| S 11 | 8 54 | 18 44 | 4 12 | 7 16 | 0 47 | 23 51 | 6 26 | 8 20 | 1 20 | 7 26 | 1 37 | 22 22 | 0 33 | 21 40 | 0 35 | 19 35 | 1 30 | 11 2 | 16 38 | 9 33 | 9 29 | 17 4 | 1 0 | 4 8 |
| S 12 | 9 16 | 18 41 | 4 53 | 7 59 | 0 40 | 23 48 | 6 24 | 8 6 | 1 21 | 7 28 | 1 37 | 22 22 | 0 33 | 21 40 | 0 35 | 19 35 | 1 30 | 11 1 | 16 38 | 9 33 | 9 28 | 17 4 | 0 59 | 4 8 |
| M13 | 9 38 | 17 28 | 5 14 | 8 42 | 0 34 | 23 44 | 6 22 | 7 51 | 1 21 | 7 29 | 1 36 | 22 21 | 0 33 | 21 40 | 0 35 | 19 35 | 1 30 | 11 0 | 16 38 | 9 33 | 9 27 | 17 5 | 0 58 | 4 7 |
| T 14 | 10 0 | 15 15 | 5 17 | 9 24 | 0 27 | 23 38 | 6 19 | 7 37 | 1 21 | 7 31 | 1 36 | 22 21 | 0 33 | 21 40 | 0 35 | 19 36 | 1 30 | 10 59 | 16 38 | 9 33 | 9 26 | 17 6 | 0 57 | 4 7 |
| W15 | 10 22 | 12 16 | 5 2 | 10 6 | 0 21 | 23 31 | 6 15 | 7 23 | 1 21 | 7 32 | 1 36 | 22 21 | 0 33 | 21 40 | 0 35 | 19 36 | 1 30 | 10 59 | 16 39 | 9 33 | 9 25 | 17 7 | 0 56 | 4 7 |
| T 16 | 10 44 | 8 44 | 4 32 | 10 47 | 0 14 | 23 23 | 6 11 | 7 9 | 1 21 | 7 33 | 1 36 | 22 20 | 0 33 | 21 39 | 0 35 | 19 37 | 1 30 | 10 58 | 16 39 | 9 33 | 9 24 | 17 7 | 0 55 | 4 7 |
| F 17 | 11 6 | 4 52 | 3 49 | 11 28 | 0 7 | 23 13 | 6 6 | 6 54 | 1 21 | 7 35 | 1 35 | 22 20 | 0 33 | 21 39 | 0 35 | 19 37 | 1 30 | 10 57 | 16 39 | 9 33 | 9 22 | 17 8 | 0 54 | 4 7 |
| S 18 | 11 27 | 0 51 | 2 55 | 12 8 | 0 1 | 23 2 | 6 1 | 6 40 | 1 22 | 7 36 | 1 35 | 22 20 | 0 33 | 21 39 | 0 35 | 19 37 | 1 30 | 10 56 | 16 39 | 9 33 | 9 21 | 17 9 | 0 53 | 4 6 |
| S 19 | 11 48 | 3s 9 | 1 54 | 12 47 | 0s 6 | 22 50 | 5 54 | 6 26 | 1 22 | 7 37 | 1 35 | 22 19 | 0 33 | 21 39 | 0 35 | 19 38 | 1 30 | 10 56 | 16 39 | 9 33 | 9 20 | 17 9 | 0 52 | 4 6 |
| M20 | 12 10 | 6 58 | 0 49 | 13 26 | 0 12 | 22 36 | 5 47 | 6 11 | 1 22 | 7 38 | 1 35 | 22 19 | 0 33 | 21 39 | 0 35 | 19 38 | 1 30 | 10 55 | 16 39 | 9 33 | 9 19 | 17 10 | 0 51 | 4 6 |
| T 21 | 12 30 | 10 27 | 0n18 | 14 4 | 0 19 | 22 21 | 5 40 | 5 57 | 1 22 | 7 39 | 1 34 | 22 18 | 0 33 | 21 38 | 0 35 | 19 39 | 1 30 | 10 54 | 16 40 | 9 33 | 9 18 | 17 11 | 0 50 | 4 6 |
| W22 | 12 51 | 13 29 | 1 23 | 14 41 | 0 26 | 22 5 | 5 31 | 5 42 | 1 22 | 7 40 | 1 34 | 22 18 | 0 33 | 21 38 | 0 35 | 19 39 | 1 30 | 10 54 | 16 40 | 9 33 | 9 17 | 17 12 | 0 49 | 4 6 |
| T 23 | 13 12 | 15 55 | 2 24 | 15 18 | 0 32 | 21 47 | 5 22 | 5 28 | 1 22 | 7 40 | 1 34 | 22 17 | 0 33 | 21 38 | 0 35 | 19 39 | 1 30 | 10 53 | 16 40 | 9 33 | 9 15 | 17 12 | 0 48 | 4 5 |
| F 24 | 13 32 | 17 41 | 3 19 | 15 54 | 0 39 | 21 29 | 5 12 | 5 13 | 1 22 | 7 41 | 1 34 | 22 17 | 0 33 | 21 38 | 0 35 | 19 40 | 1 30 | 10 52 | 16 40 | 9 32 | 9 14 | 17 13 | 0 47 | 4 5 |
| S 25 | 13 52 | 18 40 | 4 5 | 16 29 | 0 45 | 21 9 | 5 2 | 4 59 | 1 22 | 7 42 | 1 33 | 22 16 | 0 33 | 21 37 | 0 35 | 19 40 | 1 29 | 10 52 | 16 41 | 9 32 | 9 13 | 17 14 | 0 46 | 4 5 |
| S 26 | 14 12 | 18 51 | 4 41 | 17 3 | 0 51 | 20 48 | 4 50 | 4 44 | 1 23 | 7 42 | 1 33 | 22 16 | 0 33 | 21 37 | 0 35 | 19 41 | 1 29 | 10 51 | 16 41 | 9 31 | 9 12 | 17 14 | 0 46 | 4 5 |
| M27 | 14 31 | 18 11 | 5 5 | 17 37 | 0 57 | 20 26 | 4 38 | 4 30 | 1 23 | 7 43 | 1 33 | 22 15 | 0 33 | 21 37 | 0 35 | 19 41 | 1 29 | 10 50 | 16 41 | 9 30 | 9 11 | 17 15 | 0 45 | 4 5 |
| T 28 | 14 51 | 16 42 | 5 16 | 18 9 | 1 3 | 20 3 | 4 26 | 4 15 | 1 23 | 7 43 | 1 33 | 22 15 | 0 33 | 21 37 | 0 35 | 19 41 | 1 29 | 10 50 | 16 41 | 9 30 | 9 9 | 17 16 | 0 44 | 4 4 |
| W29 | 15 10 | 14 26 | 5 13 | 18 41 | 1 9 | 19 39 | 4 13 | 4 1 | 1 23 | 7 43 | 1 32 | 22 14 | 0 33 | 21 36 | 0 35 | 19 42 | 1 29 | 10 49 | 16 42 | 9 29 | 9 8 | 17 17 | 0 43 | 4 4 |
| T 30 | 15 29 | 11 26 | 4 54 | 19 12 | 1 15 | 19 15 | 3 59 | 3 46 | 1 23 | 7 43 | 1 32 | 22 14 | 0 33 | 21 36 | 0 35 | 19 42 | 1 29 | 10 49 | 16 42 | 9 29 | 9 7 | 17 17 | 0 42 | 4 4 |
| F 31 | 15s47 | 7s49 | 4n21 | 19s42 | 1s21 | 18s50 | 3s45 | 3n32 | 1n23 | 7s44 | 1s32 | 22s13 | 0s33 | 21s36 | 0s35 | 19s43 | 1n29 | 10n48 | 16n42 | 9s30 | 9s 6 | 17s18 | 0n41 | 4n 4 |

Julian Day Number = 2082928.5, Delta T = 25m09s
Ecliptic obliquity = 23°34'04, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'26, Lahiri = 9°47'26 Julian Calendar 1 Oct. 990 == Greg. Calendar 6 Oct. 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## NOVEMBER 990 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 0 44 | 13♏53'43 | 12♓24 | 23♏39 | 10°R36 | 24♍57 | 14°R 1 | 22♑37 | 26♑13 | 4♐38 | 11♎29 | 24♎23 | 23♎15 | 0♐29 | 22°R21 | S 1 |
| S 2 | 3 4 41 | 14°54'24 | 26°16 | 25°12 | 10♏ 0 | 25°34 | 14♓ 1 | 22°41 | 26°15 | 4°40 | 11°31 | 24°24 | 23°11 | 0°36 | 22♓20 | S 2 |
| M 3 | 3 8 38 | 15°55'06 | 10♈34 | 26°43 | 9°25 | 26°10 | 14° 0 | 22°46 | 26°17 | 4°43 | 11°33 | 24°26 | 23° 8 | 0°42 | 22°19 | M 3 |
| T 4 | 3 12 34 | 16°55'49 | 25°18 | 28°15 | 8°51 | 26°47 | 14°D 0 | 22°50 | 26°18 | 4°45 | 11°35 | 24°R26 | 23° 5 | 0°49 | 22°17 | T 4 |
| W 5 | 3 16 31 | 17°56'33 | 10♉21 | 29°47 | 8°18 | 27°24 | 14° 0 | 22°54 | 26°20 | 4°47 | 11°38 | 24°25 | 23° 2 | 0°56 | 22°16 | W 5 |
| T 6 | 3 20 27 | 18°57'19 | 25°35 | 1♐18 | 7°47 | 28° 0 | 14° 1 | 22°58 | 26°22 | 4°49 | 11°40 | 24°23 | 22°59 | 1° 2 | 22°15 | T 6 |
| F 7 | 3 24 24 | 19°58'06 | 10♊49 | 2°49 | 7°17 | 28°37 | 14° 1 | 23° 3 | 26°24 | 4°51 | 11°42 | 24°20 | 22°56 | 1° 9 | 22°14 | F 7 |
| S 8 | 3 28 20 | 20°58'54 | 25°55 | 4°20 | 6°49 | 29°13 | 14° 2 | 23° 7 | 26°26 | 4°54 | 11°44 | 24°17 | 22°52 | 1°16 | 22°13 | S 8 |
| S 9 | 3 32 17 | 21°59'44 | 10♋42 | 5°50 | 6°23 | 29°50 | 14° 3 | 23°12 | 26°28 | 4°56 | 11°46 | 24°13 | 22°49 | 1°23 | 22°12 | S 9 |
| M10 | 3 36 13 | 23° 0'36 | 25° 5 | 7°20 | 5°58 | 0♎27 | 14° 4 | 23°16 | 26°30 | 4°58 | 11°47 | 24° 9 | 22°46 | 1°29 | 22°11 | M10 |
| T 11 | 3 40 10 | 24° 1'29 | 9♌ 1 | 8°50 | 5°37 | 1° 3 | 14° 5 | 23°21 | 26°32 | 5° 0 | 11°49 | 24° 7 | 22°43 | 1°36 | 22°10 | T 11 |
| W12 | 3 44 7 | 25° 2'23 | 22°29 | 10°20 | 5°17 | 1°39 | 14° 7 | 23°26 | 26°34 | 5° 2 | 11°51 | 24°D 6 | 22°40 | 1°43 | 22° 9 | W12 |
| T 13 | 3 48 3 | 26° 3'18 | 5♍32 | 11°49 | 5° 0 | 2°16 | 14° 9 | 23°31 | 26°36 | 5° 5 | 11°53 | 24° 6 | 22°37 | 1°49 | 22° 8 | T 13 |
| F 14 | 3 52 0 | 27° 4'15 | 18°13 | 13°17 | 4°45 | 2°52 | 14°11 | 23°36 | 26°38 | 5° 7 | 11°55 | 24° 8 | 22°33 | 1°56 | 22° 7 | F 14 |
| S 15 | 3 55 56 | 28° 5'13 | 0♎36 | 14°45 | 4°33 | 3°29 | 14°13 | 23°41 | 26°40 | 5° 9 | 11°57 | 24°10 | 22°30 | 2° 3 | 22° 6 | S 15 |
| S 16 | 3 59 53 | 29° 6'13 | 12°46 | 16°13 | 4°23 | 4° 5 | 14°15 | 23°46 | 26°42 | 5°11 | 11°59 | 24°11 | 22°27 | 2° 9 | 22° 6 | S 16 |
| M17 | 4 3 49 | 0♐ 7'14 | 24°45 | 17°39 | 4°16 | 4°41 | 14°18 | 23°51 | 26°44 | 5°14 | 12° 0 | 24°R12 | 22°24 | 2°16 | 22° 5 | M17 |
| T 18 | 4 7 46 | 1° 8'15 | 6♏39 | 19° 5 | 4°11 | 5°18 | 14°21 | 23°56 | 26°47 | 5°16 | 12° 2 | 24°11 | 22°21 | 2°23 | 22° 4 | T 18 |
| W19 | 4 11 42 | 2° 9'18 | 18°29 | 20°29 | 4°D 8 | 5°54 | 14°24 | 24° 1 | 26°49 | 5°18 | 12° 4 | 24° 8 | 22°17 | 2°29 | 22° 4 | W19 |
| T 20 | 4 15 39 | 3°10'22 | 0♐17 | 21°52 | 4° 8 | 6°30 | 14°27 | 24° 7 | 26°51 | 5°21 | 12° 6 | 24° 3 | 22°14 | 2°36 | 22° 3 | T 20 |
| F 21 | 4 19 36 | 4°11'27 | 12° 7 | 23°14 | 4°11 | 7° 6 | 14°30 | 24°12 | 26°54 | 5°23 | 12° 7 | 23°56 | 22°11 | 2°43 | 22° 3 | F 21 |
| S 22 | 4 23 32 | 5°12'32 | 23°59 | 24°34 | 4°16 | 7°42 | 14°34 | 24°18 | 26°56 | 5°25 | 12° 9 | 23°48 | 22° 8 | 2°49 | 22° 3 | S 22 |
| S 23 | 4 27 29 | 6°13'38 | 5♑55 | 25°51 | 4°23 | 8°18 | 14°37 | 24°23 | 26°59 | 5°27 | 12°11 | 23°40 | 22° 5 | 2°56 | 22° 2 | S 23 |
| M24 | 4 31 25 | 7°14'45 | 17°58 | 27° 7 | 4°33 | 8°55 | 14°41 | 24°29 | 27° 1 | 5°30 | 12°12 | 23°32 | 22° 2 | 3° 3 | 22° 2 | M24 |
| T 25 | 4 35 22 | 8°15'52 | 0♒ 8 | 28°19 | 4°44 | 9°31 | 14°46 | 24°34 | 27° 4 | 5°32 | 12°14 | 23°24 | 21°58 | 3° 9 | 22° 2 | T 25 |
| W26 | 4 39 18 | 9°17'00 | 12°30 | 29°28 | 4°58 | 10° 7 | 14°50 | 24°40 | 27° 6 | 5°34 | 12°15 | 23°19 | 21°55 | 3°16 | 22° 2 | W26 |
| T 27 | 4 43 15 | 10°18'08 | 25° 5 | 0♑33 | 5°14 | 10°43 | 14°54 | 24°46 | 27° 9 | 5°36 | 12°17 | 23°15 | 21°52 | 3°23 | 22° 2 | T 27 |
| F 28 | 4 47 11 | 11°19'16 | 7♓58 | 1°34 | 5°32 | 11°18 | 14°59 | 24°52 | 27°12 | 5°39 | 12°18 | 23°D14 | 21°49 | 3°29 | 22°D 1 | F 28 |
| S 29 | 4 51 8 | 12°20'25 | 21°12 | 2°30 | 5°52 | 11°54 | 15° 4 | 24°57 | 27°14 | 5°41 | 12°20 | 23°14 | 21°46 | 3°36 | 22° 1 | S 29 |
| S 30 | 4 55 5 | 13♐21'34 | 4♈50 | 3♑20 | 6♏14 | 12♎30 | 15♓ 9 | 25♑ 3 | 27♑17 | 5♐43 | 12♎21 | 23♎15 | 21♎43 | 3♐43 | 22♓ 2 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s 6 | 3s41 | 3n32 | 20s11 | 1s26 | 18s25 | 3s31 | 3n17 | 1n23 | 7s44 | 1s32 | 22s12 | 0s33 | 21s35 | 0s35 | 19s43 | 1n29 | 10n47 | 16n42 | 9s30 | 9s 5 | 17s19 | 0n41 | 4n 3 |
| S 2 | 16 24 | 0n47 | 2 29 | 20 39 | 1 32 | 17 59 | 3 16 | 3 3 | 1 23 | 7 44 | 1 31 | 22 12 | 0 33 | 21 35 | 0 35 | 19 43 | 1 29 | 10 47 | 16 43 | 9 31 | 9 4 | 17 19 | 0 40 | 4 3 |
| M 3 | 16 41 | 5 22 | 1 16 | 21 6 | 1 37 | 17 34 | 3 1 | 2 48 | 1 23 | 7 43 | 1 31 | 22 11 | 0 33 | 21 35 | 0 35 | 19 44 | 1 29 | 10 46 | 16 43 | 9 31 | 9 2 | 17 20 | 0 39 | 4 3 |
| T 4 | 16 59 | 9 46 | 0s 5 | 21 32 | 1 42 | 17 8 | 2 45 | 2 34 | 1 23 | 7 43 | 1 31 | 22 10 | 0 33 | 21 34 | 0 35 | 19 44 | 1 29 | 10 46 | 16 43 | 9 31 | 9 1 | 17 21 | 0 38 | 4 3 |
| W 5 | 17 16 | 13 38 | 1 27 | 21 57 | 1 47 | 16 43 | 2 30 | 2 19 | 1 24 | 7 43 | 1 31 | 22 10 | 0 33 | 21 34 | 0 35 | 19 45 | 1 29 | 10 45 | 16 44 | 9 31 | 9 0 | 17 21 | 0 38 | 4 3 |
| T 6 | 17 33 | 16 37 | 2 43 | 22 20 | 1 51 | 16 18 | 2 14 | 2 5 | 1 24 | 7 43 | 1 30 | 22 9 | 0 33 | 21 34 | 0 35 | 19 45 | 1 29 | 10 45 | 16 44 | 9 30 | 8 59 | 17 22 | 0 37 | 4 2 |
| F 7 | 17 50 | 18 25 | 3 48 | 22 43 | 1 55 | 15 53 | 1 59 | 1 50 | 1 24 | 7 42 | 1 30 | 22 8 | 0 33 | 21 33 | 0 35 | 19 45 | 1 29 | 10 45 | 16 44 | 9 29 | 8 58 | 17 23 | 0 36 | 4 2 |
| S 8 | 18 6 | 18 54 | 4 37 | 23 5 | 1 59 | 15 29 | 1 43 | 1 35 | 1 24 | 7 42 | 1 30 | 22 7 | 0 33 | 21 33 | 0 35 | 19 46 | 1 29 | 10 44 | 16 45 | 9 28 | 8 56 | 17 23 | 0 36 | 4 2 |
| S 9 | 18 22 | 18 4 | 5 5 | 23 25 | 2 3 | 15 6 | 1 28 | 1 21 | 1 24 | 7 41 | 1 29 | 22 7 | 0 33 | 21 33 | 0 35 | 19 46 | 1 29 | 10 44 | 16 45 | 9 26 | 8 55 | 17 24 | 0 35 | 4 2 |
| M10 | 18 37 | 16 5 | 5 14 | 23 44 | 2 7 | 14 43 | 1 12 | 1 6 | 1 24 | 7 40 | 1 29 | 22 6 | 0 34 | 21 32 | 0 35 | 19 47 | 1 29 | 10 43 | 16 45 | 9 25 | 8 54 | 17 25 | 0 34 | 4 1 |
| T 11 | 18 53 | 13 13 | 5 3 | 24 2 | 2 10 | 14 22 | 0 57 | 0 52 | 1 24 | 7 39 | 1 29 | 22 5 | 0 34 | 21 32 | 0 35 | 19 47 | 1 29 | 10 43 | 16 46 | 9 24 | 8 53 | 17 25 | 0 34 | 4 1 |
| W12 | 19 8 | 9 44 | 4 36 | 24 18 | 2 12 | 14 1 | 0 42 | 0 37 | 1 24 | 7 39 | 1 29 | 22 4 | 0 34 | 21 31 | 0 35 | 19 48 | 1 29 | 10 42 | 16 46 | 9 24 | 8 52 | 17 26 | 0 33 | 4 1 |
| T 13 | 19 22 | 5 53 | 3 56 | 24 33 | 2 15 | 13 42 | 0 28 | 0 23 | 1 24 | 7 38 | 1 28 | 22 4 | 0 34 | 21 31 | 0 35 | 19 48 | 1 29 | 10 42 | 16 46 | 9 24 | 8 51 | 17 27 | 0 33 | 4 1 |
| F 14 | 19 37 | 1 51 | 3 4 | 24 47 | 2 17 | 13 23 | 0 14 | 0 8 | 1 24 | 7 37 | 1 28 | 22 3 | 0 34 | 21 31 | 0 35 | 19 48 | 1 29 | 10 42 | 16 47 | 9 24 | 8 49 | 17 27 | 0 32 | 4 0 |
| S 15 | 19 50 | 2s10 | 2 6 | 24 59 | 2 19 | 13 6 | 0n 0 | 0s 6 | 1 24 | 7 36 | 1 28 | 22 2 | 0 34 | 21 30 | 0 35 | 19 49 | 1 29 | 10 41 | 16 47 | 9 25 | 8 48 | 17 28 | 0 31 | 4 0 |
| S 16 | 20 4 | 6 1 | 1 2 | 25 10 | 2 20 | 12 50 | 0 14 | 0 21 | 1 24 | 7 34 | 1 27 | 22 1 | 0 34 | 21 30 | 0 35 | 19 49 | 1 29 | 10 41 | 16 48 | 9 26 | 8 47 | 17 29 | 0 31 | 4 0 |
| M17 | 20 17 | 9 35 | 0n 3 | 25 19 | 2 20 | 12 35 | 0 27 | 0 35 | 1 24 | 7 33 | 1 27 | 22 0 | 0 34 | 21 29 | 0 35 | 19 50 | 1 29 | 10 41 | 16 48 | 9 26 | 8 46 | 17 29 | 0 30 | 4 0 |
| T 18 | 20 30 | 12 45 | 1 7 | 25 27 | 2 21 | 12 21 | 0 40 | 0 49 | 1 25 | 7 32 | 1 27 | 21 59 | 0 34 | 21 29 | 0 35 | 19 50 | 1 29 | 10 40 | 16 49 | 9 26 | 8 45 | 17 30 | 0 30 | 3 59 |
| W19 | 20 42 | 15 22 | 2 8 | 25 33 | 2 20 | 12 9 | 0 52 | 1 4 | 1 25 | 7 30 | 1 27 | 21 58 | 0 34 | 21 28 | 0 35 | 19 50 | 1 29 | 10 40 | 16 49 | 9 24 | 8 43 | 17 30 | 0 30 | 3 59 |
| T 20 | 20 54 | 17 20 | 3 4 | 25 38 | 2 19 | 11 58 | 1 4 | 1 18 | 1 25 | 7 29 | 1 26 | 21 58 | 0 34 | 21 28 | 0 35 | 19 51 | 1 29 | 10 40 | 16 49 | 9 23 | 8 42 | 17 31 | 0 29 | 3 59 |
| F 21 | 21 6 | 18 33 | 3 51 | 25 41 | 2 18 | 11 48 | 1 16 | 1 32 | 1 25 | 7 27 | 1 26 | 21 57 | 0 34 | 21 27 | 0 35 | 19 51 | 1 29 | 10 40 | 16 50 | 9 20 | 8 41 | 17 32 | 0 29 | 3 58 |
| S 22 | 21 17 | 18 58 | 4 28 | 25 43 | 2 16 | 11 39 | 1 26 | 1 47 | 1 25 | 7 26 | 1 26 | 21 56 | 0 34 | 21 27 | 0 35 | 19 52 | 1 29 | 10 39 | 16 50 | 9 17 | 8 40 | 17 32 | 0 28 | 3 58 |
| S 23 | 21 28 | 18 32 | 4 54 | 25 43 | 2 13 | 11 32 | 1 37 | 2 1 | 1 25 | 7 24 | 1 26 | 21 55 | 0 34 | 21 26 | 0 34 | 19 52 | 1 29 | 10 39 | 16 51 | 9 14 | 8 39 | 17 33 | 0 28 | 3 58 |
| M24 | 21 38 | 17 17 | 5 7 | 25 41 | 2 9 | 11 25 | 1 47 | 2 15 | 1 25 | 7 22 | 1 25 | 21 54 | 0 34 | 21 26 | 0 34 | 19 52 | 1 29 | 10 39 | 16 51 | 9 11 | 8 37 | 17 34 | 0 28 | 3 58 |
| T 25 | 21 48 | 15 14 | 5 6 | 25 38 | 2 4 | 11 20 | 1 57 | 2 29 | 1 25 | 7 20 | 1 25 | 21 53 | 0 34 | 21 25 | 0 34 | 19 53 | 1 29 | 10 39 | 16 52 | 9 8 | 8 36 | 17 34 | 0 27 | 3 57 |
| W26 | 21 58 | 12 29 | 4 52 | 25 33 | 1 59 | 11 16 | 2 6 | 2 44 | 1 25 | 7 18 | 1 25 | 21 52 | 0 34 | 21 25 | 0 34 | 19 53 | 1 29 | 10 39 | 16 52 | 9 6 | 8 35 | 17 35 | 0 27 | 3 57 |
| T 27 | 22 7 | 9 6 | 4 23 | 25 26 | 1 52 | 11 13 | 2 15 | 2 58 | 1 25 | 7 16 | 1 24 | 21 51 | 0 34 | 21 24 | 0 34 | 19 54 | 1 29 | 10 39 | 16 53 | 9 5 | 8 34 | 17 35 | 0 27 | 3 57 |
| F 28 | 22 15 | 5 14 | 3 40 | 25 18 | 1 45 | 11 11 | 2 23 | 3 12 | 1 25 | 7 14 | 1 24 | 21 50 | 0 34 | 21 24 | 0 34 | 19 54 | 1 29 | 10 38 | 16 53 | 9 4 | 8 33 | 17 36 | 0 26 | 3 57 |
| S 29 | 22 24 | 1 0 | 2 44 | 25 9 | 1 36 | 11 11 | 2 31 | 3 26 | 1 25 | 7 12 | 1 24 | 21 49 | 0 34 | 21 23 | 0 34 | 19 54 | 1 29 | 10 38 | 16 53 | 9 5 | 8 31 | 17 37 | 0 26 | 3 56 |
| S 30 | 22s31 | 3n25 | 1n38 | 24s58 | 1s27 | 11s11 | 2n38 | 3s40 | 1n25 | 7s10 | 1s24 | 21s48 | 0s34 | 21s23 | 0s34 | 19s55 | 1n29 | 10n38 | 16n54 | 9s 5 | 8s30 | 17s37 | 0n26 | 3n56 |

Julian Day Number = 2082959.5, Delta T = 25m09s
Ecliptic obliquity = 23°34'04, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'30, Lahiri = 9°47'31 Julian Calendar 1 Nov. 990 == Greg. Calendar 6 Nov. 990


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# ASTRODIENST EPHEMERIS for the year 990
# geocentric

## DECEMBER 990 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 4 59 1 | 14♐22'43 | 18♈54 | 4♑ 3 | 6♏38 | 13♎ 6 | 15♓14 | 25♑ 9 | 27♑20 | 5♐45 | 12♎23 | 23°R16 | 21♎39 | 3♐49 | 22♓ 2 | M 1 |
| T 2 | 5 2 58 | 15°23'52 | 3♉24 | 4°38 | 7° 3 | 13°42 | 15°20 | 25°15 | 27°23 | 5°48 | 12°24 | 23♎16 | 21°36 | 3°56 | 22° 2 | T 2 |
| W 3 | 5 6 54 | 16°25'01 | 18°17 | 5° 5 | 7°31 | 14°17 | 15°25 | 25°22 | 27°26 | 5°50 | 12°25 | 23°13 | 21°33 | 4° 3 | 22° 2 | W 3 |
| T 4 | 5 10 51 | 17°26'11 | 3♊27 | 5°23 | 8° 0 | 14°53 | 15°31 | 25°28 | 27°28 | 5°52 | 12°27 | 23° 9 | 21°30 | 4° 9 | 22° 2 | T 4 |
| F 5 | 5 14 47 | 18°27'20 | 18°45 | 5°R31 | 8°30 | 15°29 | 15°37 | 25°34 | 27°31 | 5°54 | 12°28 | 23° 1 | 21°27 | 4°16 | 22° 3 | F 5 |
| S 6 | 5 18 44 | 19°28'31 | 3♋59 | 5°27 | 9° 3 | 16° 4 | 15°43 | 25°40 | 27°34 | 5°57 | 12°29 | 22°53 | 21°23 | 4°23 | 22° 3 | S 6 |
| S 7 | 5 22 41 | 20°29'41 | 19° 0 | 5°12 | 9°36 | 16°40 | 15°50 | 25°46 | 27°37 | 5°59 | 12°30 | 22°43 | 21°20 | 4°30 | 22° 4 | S 7 |
| M 8 | 5 26 37 | 21°30'52 | 3♌37 | 4°45 | 10°11 | 17°15 | 15°56 | 25°53 | 27°40 | 6° 1 | 12°32 | 22°35 | 21°17 | 4°36 | 22° 4 | M 8 |
| T 9 | 5 30 34 | 22°32'03 | 17°45 | 4° 7 | 10°48 | 17°51 | 16° 3 | 25°59 | 27°43 | 6° 3 | 12°33 | 22°28 | 21°14 | 4°43 | 22° 5 | T 9 |
| W10 | 5 34 30 | 23°33'14 | 1♍23 | 3°17 | 11°26 | 18°26 | 16°10 | 26° 6 | 27°46 | 6° 5 | 12°34 | 22°23 | 21°11 | 4°50 | 22° 5 | W10 |
| T 11 | 5 38 27 | 24°34'26 | 14°32 | 2°17 | 12° 5 | 19° 2 | 16°17 | 26°12 | 27°49 | 6° 8 | 12°35 | 22°20 | 21° 8 | 4°56 | 22° 6 | T 11 |
| F 12 | 5 42 23 | 25°35'38 | 27°15 | 1° 8 | 12°45 | 19°37 | 16°24 | 26°18 | 27°52 | 6°10 | 12°36 | 22°D20 | 21° 4 | 5° 3 | 22° 7 | F 12 |
| S 13 | 5 46 20 | 26°36'51 | 9♎37 | 29♐53 | 13°27 | 20°12 | 16°31 | 26°25 | 27°55 | 6°12 | 12°37 | 22°20 | 21° 1 | 5°10 | 22° 8 | S 13 |
| S 14 | 5 50 16 | 27°38'03 | 21°42 | 28°34 | 14° 9 | 20°48 | 16°38 | 26°32 | 27°59 | 6°14 | 12°38 | 22°R21 | 20°58 | 5°16 | 22° 8 | S 14 |
| M15 | 5 54 13 | 28°39'16 | 3♏37 | 27°12 | 14°53 | 21°23 | 16°46 | 26°38 | 28° 2 | 6°16 | 12°39 | 22°20 | 20°55 | 5°23 | 22° 9 | M15 |
| T 16 | 5 58 10 | 29°40'29 | 15°26 | 25°52 | 15°38 | 21°58 | 16°54 | 26°45 | 28° 5 | 6°18 | 12°40 | 22°17 | 20°52 | 5°30 | 22°10 | T 16 |
| W17 | 6 2 6 | 0♑41'42 | 27°14 | 24°36 | 16°24 | 22°33 | 17° 2 | 26°52 | 28° 8 | 6°20 | 12°41 | 22°12 | 20°49 | 5°36 | 22°11 | W17 |
| T 18 | 6 6 3 | 1°42'55 | 9♐ 3 | 23°25 | 17°11 | 23° 8 | 17°10 | 26°58 | 28°11 | 6°23 | 12°42 | 22° 4 | 20°45 | 5°43 | 22°12 | T 18 |
| F 19 | 6 9 59 | 2°44'08 | 20°55 | 22°22 | 17°58 | 23°43 | 17°18 | 27° 5 | 28°14 | 6°25 | 12°42 | 21°52 | 20°42 | 5°50 | 22°13 | F 19 |
| S 20 | 6 13 56 | 3°45'21 | 2♑54 | 21°27 | 18°47 | 24°18 | 17°26 | 27°12 | 28°18 | 6°27 | 12°43 | 21°39 | 20°39 | 5°56 | 22°15 | S 20 |
| S 21 | 6 17 52 | 4°46'33 | 15° 0 | 20°42 | 19°36 | 24°53 | 17°35 | 27°19 | 28°21 | 6°29 | 12°44 | 21°25 | 20°36 | 6° 3 | 22°16 | S 21 |
| M22 | 6 21 49 | 5°47'45 | 27°13 | 20° 6 | 20°26 | 25°27 | 17°44 | 27°26 | 28°24 | 6°31 | 12°45 | 21°11 | 20°33 | 6°10 | 22°17 | M22 |
| T 23 | 6 25 45 | 6°48'57 | 9♒35 | 19°41 | 21°17 | 26° 2 | 17°52 | 27°32 | 28°28 | 6°33 | 12°45 | 20°59 | 20°29 | 6°16 | 22°18 | T 23 |
| W24 | 6 29 42 | 7°50'08 | 22° 7 | 19°25 | 22° 9 | 26°37 | 18° 1 | 27°39 | 28°31 | 6°35 | 12°46 | 20°48 | 20°26 | 6°23 | 22°20 | W24 |
| T 25 | 6 33 39 | 8°51'18 | 4♓50 | 19°D18 | 23° 2 | 27°11 | 18°10 | 27°46 | 28°34 | 6°37 | 12°46 | 20°41 | 20°23 | 6°30 | 22°21 | T 25 |
| F 26 | 6 37 35 | 9°52'28 | 17°47 | 19°20 | 23°55 | 27°46 | 18°20 | 27°53 | 28°38 | 6°39 | 12°47 | 20°37 | 20°20 | 6°37 | 22°23 | F 26 |
| S 27 | 6 41 32 | 10°53'36 | 0♈58 | 19°30 | 24°49 | 28°20 | 18°29 | 28° 0 | 28°41 | 6°41 | 12°48 | 20°35 | 20°17 | 6°43 | 22°24 | S 27 |
| S 28 | 6 45 28 | 11°54'44 | 14°29 | 19°47 | 25°43 | 28°55 | 18°38 | 28° 7 | 28°44 | 6°43 | 12°48 | 20°35 | 20°14 | 6°50 | 22°26 | S 28 |
| M29 | 6 49 25 | 12°55'51 | 28°19 | 20°11 | 26°38 | 29°29 | 18°48 | 28°14 | 28°48 | 6°45 | 12°49 | 20°35 | 20°10 | 6°57 | 22°27 | M29 |
| T 30 | 6 53 21 | 13°56'57 | 12♉31 | 20°41 | 27°34 | 0♏ 3 | 18°58 | 28°21 | 28°51 | 6°47 | 12°49 | 20°34 | 20° 7 | 7° 3 | 22°29 | T 30 |
| W31 | 6 57 18 | 14♑58'02 | 27♉ 4 | 21♐17 | 28♏30 | 0♏38 | 19♓ 8 | 28♑28 | 28♑55 | 6♐48 | 12♎49 | 20♎30 | 20♎ 4 | 7♐10 | 22♓31 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s39 | 7n48 | 0n24 | 24s46 | 1s16 | 11s12 | 2n46 | 3s54 | 1n25 | 7s 8 | 1s23 | 21s47 | 0s34 | 21s22 | 0s34 | 19s55 | 1n29 | 10n38 | 16n54 | 9s 5 | 8s29 | 17s38 | 0n26 | 3n56 |
| T 2 | 22 46 | 11 52 | 0s54 | 24 33 | 1 4 | 11 14 | 2 52 | 4 8 | 1 25 | 7 5 | 1 23 | 21 46 | 0 34 | 21 21 | 0 34 | 19 56 | 1 29 | 10 38 | 16 55 | 9 5 | 8 28 | 17 38 | 0 26 | 3 56 |
| W 3 | 22 52 | 15 17 | 2 10 | 24 18 | 0 50 | 11 17 | 2 59 | 4 22 | 1 25 | 7 3 | 1 23 | 21 45 | 0 34 | 21 21 | 0 34 | 19 56 | 1 29 | 10 38 | 16 55 | 9 4 | 8 27 | 17 39 | 0 25 | 3 55 |
| T 4 | 22 58 | 17 43 | 3 18 | 24 3 | 0 35 | 11 20 | 3 4 | 4 35 | 1 25 | 7 0 | 1 23 | 21 43 | 0 34 | 21 20 | 0 34 | 19 56 | 1 29 | 10 38 | 16 56 | 9 2 | 8 26 | 17 40 | 0 25 | 3 55 |
| F 5 | 23 4 | 18 53 | 4 13 | 23 46 | 0 19 | 11 25 | 3 10 | 4 49 | 1 25 | 6 58 | 1 22 | 21 42 | 0 34 | 21 20 | 0 34 | 19 57 | 1 29 | 10 38 | 16 57 | 9 0 | 8 24 | 17 40 | 0 25 | 3 55 |
| S 6 | 23 9 | 18 42 | 4 49 | 23 29 | 0 2 | 11 30 | 3 15 | 5 3 | 1 25 | 6 55 | 1 22 | 21 41 | 0 34 | 21 19 | 0 34 | 19 57 | 1 29 | 10 38 | 16 57 | 8 57 | 8 23 | 17 41 | 0 25 | 3 55 |
| S 7 | 23 13 | 17 11 | 5 4 | 23 12 | 0n16 | 11 36 | 3 20 | 5 17 | 1 25 | 6 52 | 1 22 | 21 40 | 0 34 | 21 19 | 0 34 | 19 58 | 1 29 | 10 38 | 16 58 | 8 53 | 8 22 | 17 41 | 0 25 | 3 54 |
| M 8 | 23 18 | 14 36 | 5 0 | 22 54 | 0 35 | 11 43 | 3 25 | 5 30 | 1 25 | 6 50 | 1 22 | 21 39 | 0 34 | 21 18 | 0 34 | 19 58 | 1 29 | 10 38 | 16 58 | 8 50 | 8 21 | 17 42 | 0 25 | 3 54 |
| T 9 | 23 21 | 11 12 | 4 36 | 22 35 | 0 55 | 11 50 | 3 29 | 5 44 | 1 25 | 6 47 | 1 21 | 21 38 | 0 35 | 21 17 | 0 34 | 19 58 | 1 29 | 10 38 | 16 59 | 8 47 | 8 20 | 17 42 | 0 25 | 3 54 |
| W10 | 23 25 | 7 20 | 3 58 | 22 17 | 1 15 | 11 58 | 3 33 | 5 58 | 1 25 | 6 44 | 1 21 | 21 37 | 0 35 | 21 17 | 0 34 | 19 59 | 1 29 | 10 38 | 16 59 | 8 45 | 8 18 | 17 43 | 0 25 | 3 53 |
| T 11 | 23 27 | 3 14 | 3 8 | 21 59 | 1 34 | 12 7 | 3 36 | 6 11 | 1 25 | 6 41 | 1 21 | 21 35 | 0 35 | 21 16 | 0 34 | 19 59 | 1 29 | 10 38 | 17 0 | 8 45 | 8 17 | 17 44 | 0 25 | 3 53 |
| F 12 | 23 30 | 0s53 | 2 10 | 21 41 | 1 53 | 12 16 | 3 39 | 6 24 | 1 25 | 6 38 | 1 21 | 21 34 | 0 35 | 21 15 | 0 34 | 19 59 | 1 29 | 10 38 | 17 0 | 8 44 | 8 16 | 17 44 | 0 25 | 3 53 |
| S 13 | 23 31 | 4 52 | 1 8 | 21 23 | 2 11 | 12 25 | 3 42 | 6 38 | 1 25 | 6 35 | 1 20 | 21 33 | 0 35 | 21 15 | 0 34 | 20 0 | 1 29 | 10 39 | 17 1 | 8 45 | 8 15 | 17 45 | 0 25 | 3 53 |
| S 14 | 23 33 | 8 33 | 0 3 | 21 6 | 2 27 | 12 36 | 3 45 | 6 51 | 1 25 | 6 32 | 1 20 | 21 32 | 0 35 | 21 14 | 0 34 | 20 0 | 1 29 | 10 39 | 17 1 | 8 45 | 8 14 | 17 45 | 0 25 | 3 52 |
| M15 | 23 34 | 11 51 | 1n 0 | 20 50 | 2 42 | 12 46 | 3 47 | 7 4 | 1 25 | 6 28 | 1 20 | 21 31 | 0 35 | 21 14 | 0 34 | 20 1 | 1 29 | 10 39 | 17 2 | 8 44 | 8 12 | 17 46 | 0 25 | 3 52 |
| T 16 | 23 34 | 14 39 | 2 0 | 20 36 | 2 54 | 12 57 | 3 49 | 7 18 | 1 25 | 6 25 | 1 20 | 21 29 | 0 35 | 21 13 | 0 34 | 20 1 | 1 29 | 10 39 | 17 2 | 8 43 | 8 11 | 17 46 | 0 26 | 3 52 |
| W17 | 23 34 | 16 49 | 2 54 | 20 24 | 3 4 | 13 8 | 3 51 | 7 31 | 1 24 | 6 22 | 1 19 | 21 28 | 0 35 | 21 12 | 0 34 | 20 1 | 1 29 | 10 39 | 17 3 | 8 41 | 8 10 | 17 47 | 0 26 | 3 52 |
| T 18 | 23 33 | 18 17 | 3 41 | 20 13 | 3 11 | 13 20 | 3 53 | 7 44 | 1 24 | 6 19 | 1 19 | 21 27 | 0 35 | 21 12 | 0 34 | 20 2 | 1 29 | 10 39 | 17 4 | 8 38 | 8 9 | 17 47 | 0 26 | 3 51 |
| F 19 | 23 32 | 18 57 | 4 19 | 20 5 | 3 16 | 13 32 | 3 54 | 7 57 | 1 24 | 6 15 | 1 19 | 21 26 | 0 35 | 21 11 | 0 34 | 20 2 | 1 29 | 10 40 | 17 4 | 8 34 | 8 8 | 17 48 | 0 26 | 3 51 |
| S 20 | 23 31 | 18 47 | 4 45 | 20 0 | 3 18 | 13 44 | 3 55 | 8 10 | 1 24 | 6 12 | 1 19 | 21 24 | 0 35 | 21 10 | 0 34 | 20 2 | 1 29 | 10 40 | 17 5 | 8 29 | 8 6 | 17 48 | 0 26 | 3 51 |
| S 21 | 23 29 | 17 46 | 4 59 | 19 56 | 3 19 | 13 56 | 3 56 | 8 23 | 1 24 | 6 8 | 1 18 | 21 23 | 0 35 | 21 10 | 0 34 | 20 3 | 1 29 | 10 40 | 17 5 | 8 24 | 8 5 | 17 49 | 0 27 | 3 51 |
| M22 | 23 26 | 15 56 | 4 59 | 19 55 | 3 17 | 14 9 | 3 57 | 8 36 | 1 24 | 6 4 | 1 18 | 21 22 | 0 35 | 21 9 | 0 34 | 20 3 | 1 29 | 10 40 | 17 6 | 8 18 | 8 4 | 17 49 | 0 27 | 3 50 |
| T 23 | 23 23 | 13 22 | 4 45 | 19 57 | 3 14 | 14 22 | 3 57 | 8 48 | 1 24 | 6 1 | 1 18 | 21 20 | 0 35 | 21 8 | 0 34 | 20 3 | 1 29 | 10 41 | 17 6 | 8 14 | 8 3 | 17 50 | 0 27 | 3 50 |
| W24 | 23 20 | 10 9 | 4 18 | 20 0 | 3 9 | 14 35 | 3 58 | 9 1 | 1 24 | 5 57 | 1 18 | 21 19 | 0 35 | 21 8 | 0 34 | 20 4 | 1 29 | 10 41 | 17 7 | 8 10 | 8 2 | 17 51 | 0 27 | 3 50 |
| T 25 | 23 16 | 6 25 | 3 37 | 20 5 | 3 3 | 14 48 | 3 58 | 9 14 | 1 24 | 5 53 | 1 17 | 21 18 | 0 35 | 21 7 | 0 34 | 20 4 | 1 29 | 10 41 | 17 8 | 8 7 | 8 0 | 17 51 | 0 28 | 3 50 |
| F 26 | 23 12 | 2 20 | 2 44 | 20 12 | 2 56 | 15 1 | 3 58 | 9 26 | 1 24 | 5 49 | 1 17 | 21 16 | 0 35 | 21 6 | 0 34 | 20 4 | 1 29 | 10 41 | 17 8 | 8 6 | 7 59 | 17 52 | 0 28 | 3 49 |
| S 27 | 23 7 | 1n57 | 1 42 | 20 21 | 2 49 | 15 14 | 3 57 | 9 38 | 1 24 | 5 46 | 1 17 | 21 15 | 0 35 | 21 5 | 0 34 | 20 4 | 1 29 | 10 42 | 17 9 | 8 5 | 7 58 | 17 52 | 0 28 | 3 49 |
| S 28 | 23 2 | 6 14 | 0 32 | 20 30 | 2 41 | 15 28 | 3 57 | 9 51 | 1 23 | 5 42 | 1 17 | 21 14 | 0 35 | 21 5 | 0 34 | 20 5 | 1 29 | 10 42 | 17 9 | 8 5 | 7 57 | 17 53 | 0 29 | 3 49 |
| M29 | 22 56 | 10 18 | 0s41 | 20 41 | 2 32 | 15 41 | 3 56 | 10 3 | 1 23 | 5 38 | 1 17 | 21 12 | 0 36 | 21 4 | 0 34 | 20 5 | 1 29 | 10 42 | 17 10 | 8 5 | 7 56 | 17 53 | 0 29 | 3 49 |
| T 30 | 22 50 | 13 53 | 1 53 | 20 52 | 2 23 | 15 54 | 3 55 | 10 15 | 1 23 | 5 34 | 1 16 | 21 11 | 0 36 | 21 3 | 0 34 | 20 5 | 1 29 | 10 43 | 17 10 | 8 4 | 7 54 | 17 54 | 0 30 | 3 48 |
| W31 | 22s43 | 16n41 | 3s 0 | 21s 4 | 2n13 | 16s 8 | 3n54 | 10s27 | 1n23 | 5s30 | 1s16 | 21s10 | 0s36 | 21s 3 | 0s34 | 20s 6 | 1n29 | 10n43 | 17n11 | 8s 3 | 7s53 | 17s54 | 0n30 | 3n48 |

Julian Day Number = 2082989.5, Delta T = 25m08s
Ecliptic obliquity = 23°34'03, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'34, Lahiri = 9°47'35 Julian Calendar 1 Dec. 990 == Greg. Calendar 6 Dec. 990


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## JANUARY 991 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 1 14 | 15♉59'06 | 11♊54 | 21♐58 | 29♏27 | 1♏12 | 19♓18 | 28♉35 | 28♉58 | 6♐50 | 12♎50 | 20°R24 | 20♎ 1 | 7♐17 | 22♓32 | T 1 |
| F 2 | 7 5 11 | 17° 0'09 | 26°55 | 22°44 | 0♐24 | 1°46 | 19°28 | 28°42 | 29° 1 | 6°52 | 12°50 | 20♎15 | 19°58 | 7°23 | 22°34 | F 2 |
| S 3 | 7 9 8 | 18° 1'11 | 11♋58 | 23°33 | 1°22 | 2°20 | 19°38 | 28°50 | 29° 5 | 6°54 | 12°50 | 20° 3 | 19°55 | 7°30 | 22°36 | S 3 |
| S 4 | 7 13 4 | 19° 2'13 | 26°52 | 24°27 | 2°20 | 2°54 | 19°48 | 28°57 | 29° 8 | 6°56 | 12°50 | 19°51 | 19°51 | 7°37 | 22°38 | S 4 |
| M 5 | 7 17 1 | 20° 3'13 | 11♌29 | 25°23 | 3°19 | 3°28 | 19°59 | 29° 4 | 29°12 | 6°58 | 12°51 | 19°39 | 19°48 | 7°43 | 22°40 | M 5 |
| T 6 | 7 20 57 | 21° 4'13 | 25°42 | 26°23 | 4°18 | 4° 1 | 20° 9 | 29°11 | 29°15 | 6°59 | 12°51 | 19°30 | 19°45 | 7°50 | 22°42 | T 6 |
| W 7 | 7 24 54 | 22° 5'12 | 9♍27 | 27°26 | 5°18 | 4°35 | 20°20 | 29°18 | 29°19 | 7° 1 | 12°51 | 19°22 | 19°42 | 7°57 | 22°44 | W 7 |
| T 8 | 7 28 50 | 23° 6'10 | 22°42 | 28°31 | 6°18 | 5° 9 | 20°31 | 29°25 | 29°22 | 7° 3 | 12°51 | 19°18 | 19°39 | 8° 3 | 22°46 | T 8 |
| F 9 | 7 32 47 | 24° 7'07 | 5♎31 | 29°38 | 7°19 | 5°42 | 20°42 | 29°33 | 29°26 | 7° 5 | 12°51 | 19°16 | 19°35 | 8°10 | 22°48 | F 9 |
| S 10 | 7 36 43 | 25° 8'04 | 17°57 | 0♑48 | 8°20 | 6°16 | 20°53 | 29°40 | 29°29 | 7° 6 | 12°R51 | 19°15 | 19°32 | 8°17 | 22°50 | S 10 |
| S 11 | 7 40 40 | 26° 9'00 | 0♏ 5 | 1°59 | 9°21 | 6°49 | 21° 4 | 29°47 | 29°33 | 7° 8 | 12°51 | 19°15 | 19°29 | 8°24 | 22°53 | S 11 |
| M12 | 7 44 37 | 27° 9'55 | 12° 2 | 3°12 | 10°23 | 7°22 | 21°15 | 29°54 | 29°36 | 7° 9 | 12°51 | 19°15 | 19°26 | 8°30 | 22°55 | M12 |
| T 13 | 7 48 33 | 28°10'49 | 23°51 | 4°27 | 11°25 | 7°55 | 21°26 | 0♒ 1 | 29°40 | 7°11 | 12°51 | 19°12 | 19°23 | 8°37 | 22°57 | T 13 |
| W14 | 7 52 30 | 29°11'42 | 5♐39 | 5°44 | 12°27 | 8°29 | 21°38 | 0° 8 | 29°43 | 7°13 | 12°51 | 19° 7 | 19°20 | 8°44 | 22°59 | W14 |
| T 15 | 7 56 26 | 0♒12'35 | 17°30 | 7° 2 | 13°30 | 9° 2 | 21°49 | 0°16 | 29°47 | 7°14 | 12°51 | 18°59 | 19°16 | 8°50 | 23° 2 | T 15 |
| F 16 | 8 0 23 | 1°13'26 | 29°27 | 8°21 | 14°33 | 9°34 | 22° 1 | 0°23 | 29°50 | 7°16 | 12°50 | 18°48 | 19°13 | 8°57 | 23° 4 | F 16 |
| S 17 | 8 4 19 | 2°14'16 | 11♑33 | 9°41 | 15°36 | 10° 7 | 22°12 | 0°30 | 29°54 | 7°17 | 12°50 | 18°35 | 19°10 | 9° 4 | 23° 7 | S 17 |
| S 18 | 8 8 16 | 3°15'05 | 23°50 | 11° 3 | 16°40 | 10°40 | 22°24 | 0°37 | 29°57 | 7°19 | 12°50 | 18°21 | 19° 7 | 9°10 | 23° 9 | S 18 |
| M19 | 8 12 12 | 4°15'53 | 6♒17 | 12°26 | 17°44 | 11°13 | 22°36 | 0°45 | 0♒ 1 | 7°20 | 12°50 | 18° 8 | 19° 4 | 9°17 | 23°12 | M19 |
| T 20 | 8 16 9 | 5°16'39 | 18°57 | 13°50 | 18°48 | 11°45 | 22°48 | 0°52 | 0° 4 | 7°22 | 12°49 | 17°55 | 19° 1 | 9°24 | 23°14 | T 20 |
| W21 | 8 20 6 | 6°17'24 | 1♓47 | 15°15 | 19°53 | 12°17 | 23° 0 | 0°59 | 0° 8 | 7°23 | 12°49 | 17°45 | 18°57 | 9°30 | 23°17 | W21 |
| T 22 | 8 24 2 | 7°18'07 | 14°48 | 16°41 | 20°57 | 12°50 | 23°12 | 1° 6 | 0°11 | 7°24 | 12°49 | 17°38 | 18°54 | 9°37 | 23°20 | T 22 |
| F 23 | 8 27 59 | 8°18'48 | 27°59 | 18° 8 | 22° 2 | 13°22 | 23°24 | 1°13 | 0°15 | 7°26 | 12°48 | 17°34 | 18°51 | 9°44 | 23°22 | F 23 |
| S 24 | 8 31 55 | 9°19'28 | 11♈23 | 19°36 | 23° 7 | 13°54 | 23°37 | 1°20 | 0°18 | 7°27 | 12°48 | 17°32 | 18°48 | 9°51 | 23°25 | S 24 |
| S 25 | 8 35 52 | 10°20'06 | 24°58 | 21° 5 | 24°13 | 14°26 | 23°49 | 1°28 | 0°22 | 7°28 | 12°47 | 17°D32 | 18°45 | 9°57 | 23°28 | S 25 |
| M26 | 8 39 48 | 11°20'43 | 8♉46 | 22°35 | 25°18 | 14°58 | 24° 2 | 1°35 | 0°25 | 7°30 | 12°47 | 17°R32 | 18°41 | 10° 4 | 23°30 | M26 |
| T 27 | 8 43 45 | 12°21'17 | 22°48 | 24° 6 | 26°24 | 15°29 | 24°14 | 1°42 | 0°29 | 7°31 | 12°46 | 17°32 | 18°38 | 10°11 | 23°33 | T 27 |
| W28 | 8 47 41 | 13°21'50 | 7♊ 4 | 25°38 | 27°30 | 16° 1 | 24°27 | 1°49 | 0°32 | 7°32 | 12°45 | 17°30 | 18°35 | 10°17 | 23°36 | W28 |
| T 29 | 8 51 38 | 14°22'21 | 21°31 | 27°11 | 28°36 | 16°32 | 24°39 | 1°56 | 0°35 | 7°33 | 12°45 | 17°25 | 18°32 | 10°24 | 23°39 | T 29 |
| F 30 | 8 55 35 | 15°22'50 | 6♋ 5 | 28°45 | 29°43 | 17° 4 | 24°52 | 2° 3 | 0°39 | 7°34 | 12°44 | 17°18 | 18°29 | 10°31 | 23°42 | F 30 |
| S 31 | 8 59 31 | 16♒23'17 | 20♋42 | 0♒19 | 0♑49 | 17♏35 | 25♓ 5 | 2♒10 | 0♒42 | 7♐35 | 12♎43 | 17♎ 9 | 18♎26 | 10♐37 | 23♓45 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s36 | 18n26 | 3s56 | 21s16 | 2n 4 | 16s21 | 3n53 | 10s39 | 1n23 | 5s25 | 1s16 | 21s 8 | 0s36 | 21s 2 | 0s34 | 20s 6 | 1n29 | 10n44 | 17n12 | 8s 1 | 7s52 | 17s55 | 0n31 | 3n48 |
| F 2 | 22 29 | 18 56 | 4 36 | 21 28 | 1 54 | 16 34 | 3 51 | 10 51 | 1 23 | 5 21 | 1 16 | 21 7 | 0 36 | 21 1 | 0 34 | 20 6 | 1 29 | 10 44 | 17 12 | 7 57 | 7 51 | 17 55 | 0 31 | 3 48 |
| S 3 | 22 21 | 18 5 | 4 57 | 21 41 | 1 44 | 16 48 | 3 50 | 11 3 | 1 23 | 5 17 | 1 16 | 21 5 | 0 36 | 21 0 | 0 34 | 20 7 | 1 29 | 10 44 | 17 13 | 7 53 | 7 50 | 17 56 | 0 32 | 3 47 |
| S 4 | 22 12 | 16 1 | 4 58 | 21 53 | 1 34 | 17 1 | 3 48 | 11 15 | 1 22 | 5 13 | 1 15 | 21 4 | 0 36 | 21 0 | 0 34 | 20 7 | 1 29 | 10 45 | 17 13 | 7 48 | 7 48 | 17 56 | 0 32 | 3 47 |
| M 5 | 22 4 | 12 57 | 4 39 | 22 5 | 1 24 | 17 14 | 3 46 | 11 27 | 1 22 | 5 8 | 1 15 | 21 3 | 0 36 | 20 59 | 0 34 | 20 7 | 1 29 | 10 45 | 17 14 | 7 44 | 7 47 | 17 56 | 0 33 | 3 47 |
| T 6 | 21 54 | 9 12 | 4 3 | 22 17 | 1 14 | 17 27 | 3 44 | 11 38 | 1 22 | 5 4 | 1 15 | 21 1 | 0 36 | 20 58 | 0 34 | 20 7 | 1 29 | 10 46 | 17 14 | 7 40 | 7 46 | 17 57 | 0 33 | 3 47 |
| W 7 | 21 45 | 5 5 | 3 14 | 22 28 | 1 5 | 17 39 | 3 42 | 11 50 | 1 22 | 5 0 | 1 15 | 21 0 | 0 36 | 20 58 | 0 34 | 20 8 | 1 30 | 10 46 | 17 15 | 7 37 | 7 45 | 17 57 | 0 34 | 3 47 |
| T 8 | 21 35 | 0 50 | 2 16 | 22 38 | 0 55 | 17 52 | 3 40 | 12 1 | 1 22 | 4 55 | 1 15 | 20 58 | 0 36 | 20 57 | 0 34 | 20 8 | 1 30 | 10 47 | 17 16 | 7 36 | 7 43 | 17 58 | 0 35 | 3 46 |
| F 9 | 21 24 | 3s18 | 1 12 | 22 48 | 0 46 | 18 4 | 3 38 | 12 13 | 1 21 | 4 51 | 1 14 | 20 57 | 0 36 | 20 56 | 0 34 | 20 8 | 1 30 | 10 47 | 17 16 | 7 35 | 7 42 | 17 58 | 0 35 | 3 46 |
| S 10 | 21 13 | 7 11 | 0 7 | 22 58 | 0 36 | 18 16 | 3 35 | 12 24 | 1 21 | 4 46 | 1 14 | 20 55 | 0 36 | 20 55 | 0 34 | 20 8 | 1 30 | 10 48 | 17 17 | 7 35 | 7 41 | 17 59 | 0 36 | 3 46 |
| S 11 | 21 2 | 10 40 | 0n57 | 23 6 | 0 27 | 18 28 | 3 33 | 12 35 | 1 21 | 4 42 | 1 14 | 20 54 | 0 36 | 20 55 | 0 34 | 20 9 | 1 30 | 10 48 | 17 17 | 7 35 | 7 40 | 17 59 | 0 37 | 3 46 |
| M12 | 20 50 | 13 40 | 1 58 | 23 14 | 0 18 | 18 40 | 3 30 | 12 46 | 1 21 | 4 37 | 1 14 | 20 52 | 0 36 | 20 54 | 0 34 | 20 9 | 1 30 | 10 49 | 17 18 | 7 34 | 7 39 | 18 0 | 0 37 | 3 45 |
| T 13 | 20 38 | 16 3 | 2 52 | 23 20 | 0 9 | 18 51 | 3 27 | 12 57 | 1 21 | 4 32 | 1 14 | 20 51 | 0 36 | 20 53 | 0 34 | 20 9 | 1 30 | 10 49 | 17 18 | 7 33 | 7 37 | 18 0 | 0 38 | 3 45 |
| W14 | 20 26 | 17 46 | 3 39 | 23 26 | 0 1 | 19 2 | 3 24 | 13 8 | 1 20 | 4 28 | 1 14 | 20 49 | 0 37 | 20 52 | 0 34 | 20 9 | 1 30 | 10 50 | 17 19 | 7 31 | 7 36 | 18 1 | 0 39 | 3 45 |
| T 15 | 20 13 | 18 43 | 4 17 | 23 30 | 0s 8 | 19 13 | 3 21 | 13 19 | 1 20 | 4 23 | 1 13 | 20 48 | 0 37 | 20 52 | 0 34 | 20 10 | 1 30 | 10 51 | 17 20 | 7 28 | 7 35 | 18 1 | 0 39 | 3 45 |
| F 16 | 20 0 | 18 50 | 4 44 | 23 34 | 0 16 | 19 23 | 3 18 | 13 30 | 1 20 | 4 18 | 1 13 | 20 46 | 0 37 | 20 51 | 0 34 | 20 10 | 1 30 | 10 51 | 17 20 | 7 24 | 7 34 | 18 2 | 0 40 | 3 45 |
| S 17 | 19 46 | 18 6 | 4 58 | 23 36 | 0 24 | 19 33 | 3 15 | 13 40 | 1 19 | 4 14 | 1 13 | 20 45 | 0 37 | 20 50 | 0 34 | 20 10 | 1 30 | 10 52 | 17 21 | 7 19 | 7 33 | 18 2 | 0 41 | 3 44 |
| S 18 | 19 32 | 16 32 | 4 59 | 23 38 | 0 31 | 19 43 | 3 12 | 13 51 | 1 19 | 4 9 | 1 13 | 20 43 | 0 37 | 20 49 | 0 34 | 20 10 | 1 30 | 10 52 | 17 21 | 7 14 | 7 31 | 18 2 | 0 42 | 3 44 |
| M19 | 19 18 | 14 11 | 4 46 | 23 38 | 0 39 | 19 52 | 3 9 | 14 1 | 1 19 | 4 4 | 1 13 | 20 42 | 0 37 | 20 49 | 0 34 | 20 10 | 1 30 | 10 53 | 17 22 | 7 9 | 7 30 | 18 3 | 0 43 | 3 44 |
| T 20 | 19 3 | 11 8 | 4 18 | 23 36 | 0 46 | 20 1 | 3 5 | 14 12 | 1 19 | 3 59 | 1 13 | 20 40 | 0 37 | 20 48 | 0 34 | 20 11 | 1 30 | 10 54 | 17 22 | 7 4 | 7 29 | 18 3 | 0 43 | 3 44 |
| W21 | 18 48 | 7 31 | 3 37 | 23 34 | 0 53 | 20 10 | 3 2 | 14 22 | 1 18 | 3 54 | 1 12 | 20 39 | 0 37 | 20 47 | 0 34 | 20 11 | 1 30 | 10 54 | 17 23 | 7 0 | 7 28 | 18 4 | 0 44 | 3 44 |
| T 22 | 18 33 | 3 30 | 2 44 | 23 30 | 1 0 | 20 18 | 2 58 | 14 32 | 1 18 | 3 49 | 1 12 | 20 37 | 0 37 | 20 47 | 0 34 | 20 11 | 1 30 | 10 55 | 17 24 | 6 57 | 7 27 | 18 4 | 0 45 | 3 43 |
| F 23 | 18 17 | 0n45 | 1 42 | 23 25 | 1 6 | 20 25 | 2 54 | 14 42 | 1 18 | 3 44 | 1 12 | 20 36 | 0 37 | 20 46 | 0 34 | 20 11 | 1 30 | 10 56 | 17 24 | 6 56 | 7 25 | 18 5 | 0 46 | 3 43 |
| S 24 | 18 1 | 5 1 | 0 33 | 23 19 | 1 12 | 20 33 | 2 51 | 14 52 | 1 17 | 3 39 | 1 12 | 20 34 | 0 37 | 20 45 | 0 34 | 20 11 | 1 30 | 10 56 | 17 25 | 6 55 | 7 24 | 18 5 | 0 47 | 3 43 |
| S 25 | 17 45 | 9 6 | 0s39 | 23 11 | 1 18 | 20 40 | 2 47 | 15 2 | 1 17 | 3 34 | 1 12 | 20 33 | 0 37 | 20 44 | 0 34 | 20 11 | 1 30 | 10 57 | 17 25 | 6 55 | 7 23 | 18 5 | 0 48 | 3 43 |
| M26 | 17 28 | 12 45 | 1 51 | 23 2 | 1 24 | 20 46 | 2 43 | 15 12 | 1 17 | 3 29 | 1 12 | 20 31 | 0 37 | 20 44 | 0 34 | 20 12 | 1 30 | 10 58 | 17 26 | 6 55 | 7 22 | 18 6 | 0 49 | 3 43 |
| T 27 | 17 11 | 15 44 | 2 56 | 22 52 | 1 29 | 20 52 | 2 39 | 15 21 | 1 16 | 3 24 | 1 12 | 20 30 | 0 38 | 20 43 | 0 34 | 20 12 | 1 30 | 10 58 | 17 26 | 6 55 | 7 20 | 18 6 | 0 50 | 3 42 |
| W28 | 16 54 | 17 48 | 3 52 | 22 40 | 1 34 | 20 57 | 2 35 | 15 31 | 1 16 | 3 19 | 1 11 | 20 28 | 0 38 | 20 42 | 0 34 | 20 12 | 1 30 | 10 59 | 17 27 | 6 54 | 7 19 | 18 7 | 0 51 | 3 42 |
| T 29 | 16 36 | 18 45 | 4 34 | 22 27 | 1 39 | 21 2 | 2 31 | 15 40 | 1 15 | 3 13 | 1 11 | 20 27 | 0 38 | 20 41 | 0 34 | 20 12 | 1 30 | 11 0 | 17 27 | 6 52 | 7 18 | 18 7 | 0 52 | 3 42 |
| F 30 | 16 19 | 18 28 | 4 58 | 22 12 | 1 43 | 21 7 | 2 27 | 15 49 | 1 15 | 3 8 | 1 11 | 20 25 | 0 38 | 20 41 | 0 34 | 20 12 | 1 30 | 11 1 | 17 28 | 6 50 | 7 17 | 18 7 | 0 53 | 3 42 |
| S 31 | 16s 1 | 16n58 | 5s 3 | 21s56 | 1s47 | 21s11 | 2n23 | 15s59 | 1n15 | 3s 3 | 1s11 | 20s24 | 0s38 | 20s40 | 0s34 | 20s12 | 1n30 | 11n 1 | 17n28 | 6s46 | 7s16 | 18s 8 | 0n54 | 3n42 |

Julian Day Number = 2083020.5, Delta T = 25m08s
Ecliptic obliquity = 23°34'03, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'39, Lahiri = 9°47'39 Julian Calendar 1 Jan. 991 == Greg. Calendar 6 Jan. 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## FEBRUARY 991 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 3 28 | 17♒23'42 | 5♌13 | 1♒55 | 1♉56 | 18♏ 6 | 25♓18 | 2♒17 | 0♒46 | 7♐36 | 12°R43 | 16°R59 | 18♎22 | 10♐44 | 23♓48 | S 1 |
| M 2 | 9 7 24 | 18°24'05 | 19°33 | 3°31 | 3° 3 | 18°37 | 25°31 | 2°24 | 0°49 | 7°37 | 12♎42 | 16♎49 | 18°19 | 10°51 | 23°51 | M 2 |
| T 3 | 9 11 21 | 19°24'27 | 3♍34 | 5° 9 | 4°10 | 19° 8 | 25°44 | 2°31 | 0°52 | 7°38 | 12°41 | 16°41 | 18°16 | 10°57 | 23°54 | T 3 |
| W 4 | 9 15 17 | 20°24'47 | 17°12 | 6°47 | 5°18 | 19°38 | 25°57 | 2°38 | 0°56 | 7°39 | 12°40 | 16°35 | 18°13 | 11° 4 | 23°57 | W 4 |
| T 5 | 9 19 14 | 21°25'05 | 0♎27 | 8°27 | 6°25 | 20° 9 | 26°10 | 2°45 | 0°59 | 7°40 | 12°39 | 16°31 | 18°10 | 11°11 | 24° 0 | T 5 |
| F 6 | 9 23 10 | 22°25'22 | 13°17 | 10° 7 | 7°33 | 20°39 | 26°23 | 2°52 | 1° 2 | 7°41 | 12°38 | 16°D30 | 18° 6 | 11°18 | 24° 3 | F 6 |
| S 7 | 9 27 7 | 23°25'37 | 25°47 | 11°49 | 8°40 | 21° 9 | 26°36 | 2°59 | 1° 6 | 7°42 | 12°38 | 16°30 | 18° 3 | 11°24 | 24° 6 | S 7 |
| S 8 | 9 31 4 | 24°25'51 | 7♏59 | 13°31 | 9°48 | 21°39 | 26°50 | 3° 6 | 1° 9 | 7°43 | 12°37 | 16°31 | 18° 0 | 11°31 | 24° 9 | S 8 |
| M 9 | 9 35 0 | 25°26'03 | 19°59 | 15°15 | 10°56 | 22° 9 | 27° 3 | 3°13 | 1°12 | 7°44 | 12°36 | 16°R32 | 17°57 | 11°38 | 24°12 | M 9 |
| T 10 | 9 38 57 | 26°26'14 | 1♐51 | 16°59 | 12° 5 | 22°39 | 27°17 | 3°20 | 1°16 | 7°45 | 12°35 | 16°32 | 17°54 | 11°44 | 24°16 | T 10 |
| W11 | 9 42 53 | 27°26'23 | 13°41 | 18°45 | 13°13 | 23° 9 | 27°30 | 3°27 | 1°19 | 7°45 | 12°34 | 16°31 | 17°51 | 11°51 | 24°19 | W11 |
| T 12 | 9 46 50 | 28°26'30 | 25°34 | 20°31 | 14°21 | 23°38 | 27°44 | 3°33 | 1°22 | 7°46 | 12°32 | 16°27 | 17°47 | 11°58 | 24°22 | T 12 |
| F 13 | 9 50 46 | 29°26'36 | 7♑35 | 22°19 | 15°30 | 24° 7 | 27°57 | 3°40 | 1°25 | 7°47 | 12°31 | 16°21 | 17°44 | 12° 4 | 24°25 | F 13 |
| S 14 | 9 54 43 | 0♓26'40 | 19°46 | 24° 8 | 16°39 | 24°36 | 28°11 | 3°47 | 1°28 | 7°47 | 12°30 | 16°14 | 17°41 | 12°11 | 24°29 | S 14 |
| S 15 | 9 58 39 | 1°26'42 | 2♒11 | 25°58 | 17°47 | 25° 5 | 28°24 | 3°53 | 1°32 | 7°48 | 12°29 | 16° 6 | 17°38 | 12°18 | 24°32 | S 15 |
| M16 | 10 2 36 | 2°26'42 | 14°51 | 27°49 | 18°56 | 25°34 | 28°38 | 4° 0 | 1°35 | 7°49 | 12°28 | 15°57 | 17°35 | 12°25 | 24°35 | M16 |
| T 17 | 10 6 33 | 3°26'41 | 27°47 | 29°41 | 20° 5 | 26° 2 | 28°52 | 4° 7 | 1°38 | 7°49 | 12°27 | 15°50 | 17°32 | 12°31 | 24°39 | T 17 |
| W18 | 10 10 29 | 4°26'37 | 10♓58 | 1♓34 | 21°14 | 26°31 | 29° 6 | 4°13 | 1°41 | 7°50 | 12°26 | 15°44 | 17°28 | 12°38 | 24°42 | W18 |
| T 19 | 10 14 26 | 5°26'32 | 24°22 | 3°28 | 22°24 | 26°59 | 29°20 | 4°20 | 1°44 | 7°50 | 12°24 | 15°40 | 17°25 | 12°45 | 24°45 | T 19 |
| F 20 | 10 18 22 | 6°26'24 | 7♈58 | 5°24 | 23°33 | 27°27 | 29°33 | 4°26 | 1°47 | 7°51 | 12°23 | 15°38 | 17°22 | 12°51 | 24°49 | F 20 |
| S 21 | 10 22 19 | 7°26'14 | 21°44 | 7°20 | 24°42 | 27°54 | 29°47 | 4°33 | 1°50 | 7°51 | 12°22 | 15°D38 | 17°19 | 12°58 | 24°52 | S 21 |
| S 22 | 10 26 15 | 8°26'02 | 5♉38 | 9°17 | 25°52 | 28°22 | 0♈ 1 | 4°39 | 1°53 | 7°52 | 12°20 | 15°39 | 17°16 | 13° 5 | 24°55 | S 22 |
| M23 | 10 30 12 | 9°25'48 | 19°39 | 11°15 | 27° 1 | 28°49 | 0°15 | 4°46 | 1°56 | 7°52 | 12°19 | 15°40 | 17°12 | 13°11 | 24°59 | M23 |
| T 24 | 10 34 8 | 10°25'31 | 3♊45 | 13°14 | 28°11 | 29°16 | 0°29 | 4°52 | 1°59 | 7°52 | 12°18 | 15°R41 | 17° 9 | 13°18 | 25° 2 | T 24 |
| W25 | 10 38 5 | 11°25'13 | 17°56 | 15°13 | 29°21 | 29°43 | 0°43 | 4°58 | 2° 2 | 7°52 | 12°16 | 15°41 | 17° 6 | 13°25 | 25° 6 | W25 |
| T 26 | 10 42 1 | 12°24'51 | 2♋ 8 | 17°13 | 0♒31 | 0♐ 9 | 0°57 | 5° 4 | 2° 5 | 7°53 | 12°15 | 15°40 | 17° 3 | 13°32 | 25° 9 | T 26 |
| F 27 | 10 45 58 | 13°24'28 | 16°20 | 19°13 | 1°41 | 0°36 | 1°12 | 5°11 | 2° 8 | 7°53 | 12°14 | 15°37 | 17° 0 | 13°38 | 25°13 | F 27 |
| S 28 | 10 49 55 | 14♓24'02 | 0♌29 | 21♓13 | 2♒51 | 1♐ 2 | 1♈26 | 5♒17 | 2♒10 | 7♐53 | 12♎12 | 15♎33 | 16♎57 | 13♐45 | 25♓16 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s42 | 14n24 | 4s49 | 21s38 | 1s51 | 21s14 | 2n19 | 16s 8 | 1n14 | 2s58 | 1s11 | 20s22 | 0s38 | 20s39 | 0s34 | 20s13 | 1n30 | 11n 2 | 17n29 | 6s42 | 7s14 | 18s 8 | 0n55 | 3n42 |
| M 2 | 15 24 | 10 59 | 4 16 | 21 19 | 1 54 | 21 17 | 2 15 | 16 17 | 1 14 | 2 52 | 1 11 | 20 21 | 0 38 | 20 38 | 0 34 | 20 13 | 1 30 | 11 3 | 17 29 | 6 39 | 7 13 | 18 9 | 0 56 | 3 41 |
| T 3 | 15 5 | 7 1 | 3 29 | 20 58 | 1 57 | 21 19 | 2 11 | 16 26 | 1 13 | 2 47 | 1 11 | 20 19 | 0 38 | 20 38 | 0 34 | 20 13 | 1 30 | 11 4 | 17 30 | 6 35 | 7 12 | 18 9 | 0 57 | 3 41 |
| W 4 | 14 46 | 2 46 | 2 30 | 20 36 | 1 59 | 21 21 | 2 7 | 16 34 | 1 13 | 2 42 | 1 11 | 20 18 | 0 38 | 20 37 | 0 34 | 20 13 | 1 31 | 11 4 | 17 30 | 6 33 | 7 11 | 18 9 | 0 58 | 3 41 |
| T 5 | 14 26 | 1s29 | 1 25 | 20 12 | 2 2 | 21 22 | 2 3 | 16 43 | 1 12 | 2 36 | 1 10 | 20 16 | 0 38 | 20 36 | 0 34 | 20 13 | 1 31 | 11 5 | 17 31 | 6 32 | 7 10 | 18 10 | 0 59 | 3 41 |
| F 6 | 14 7 | 5 32 | 0 17 | 19 47 | 2 4 | 21 23 | 1 58 | 16 52 | 1 12 | 2 31 | 1 10 | 20 15 | 0 38 | 20 36 | 0 34 | 20 13 | 1 31 | 11 6 | 17 31 | 6 31 | 7 8 | 18 10 | 1 0 | 3 41 |
| S 7 | 13 47 | 9 15 | 0n50 | 19 20 | 2 5 | 21 23 | 1 54 | 17 0 | 1 11 | 2 26 | 1 10 | 20 13 | 0 38 | 20 35 | 0 34 | 20 13 | 1 31 | 11 7 | 17 32 | 6 31 | 7 7 | 18 11 | 1 1 | 3 41 |
| S 8 | 13 27 | 12 28 | 1 53 | 18 52 | 2 6 | 21 23 | 1 50 | 17 8 | 1 11 | 2 20 | 1 10 | 20 12 | 0 39 | 20 34 | 0 34 | 20 13 | 1 31 | 11 7 | 17 32 | 6 32 | 7 6 | 18 11 | 1 2 | 3 41 |
| M 9 | 13 7 | 15 6 | 2 50 | 18 22 | 2 7 | 21 22 | 1 46 | 17 17 | 1 10 | 2 15 | 1 10 | 20 10 | 0 39 | 20 33 | 0 34 | 20 13 | 1 31 | 11 8 | 17 32 | 6 32 | 7 5 | 18 11 | 1 3 | 3 40 |
| T 10 | 12 46 | 17 3 | 3 39 | 17 50 | 2 7 | 21 20 | 1 41 | 17 25 | 1 9 | 2 9 | 1 10 | 20 9 | 0 39 | 20 33 | 0 34 | 20 14 | 1 31 | 11 9 | 17 33 | 6 32 | 7 3 | 18 12 | 1 5 | 3 40 |
| W11 | 12 26 | 18 17 | 4 19 | 17 17 | 2 6 | 21 18 | 1 37 | 17 33 | 1 9 | 2 4 | 1 10 | 20 7 | 0 39 | 20 32 | 0 34 | 20 14 | 1 31 | 11 10 | 17 33 | 6 31 | 7 2 | 18 12 | 1 6 | 3 40 |
| T 12 | 12 5 | 18 42 | 4 48 | 16 43 | 2 6 | 21 15 | 1 33 | 17 41 | 1 8 | 1 58 | 1 10 | 20 6 | 0 39 | 20 31 | 0 34 | 20 14 | 1 31 | 11 11 | 17 34 | 6 30 | 7 1 | 18 12 | 1 7 | 3 40 |
| F 13 | 11 44 | 18 17 | 5 4 | 16 6 | 2 5 | 21 12 | 1 28 | 17 49 | 1 8 | 1 53 | 1 10 | 20 4 | 0 39 | 20 31 | 0 34 | 20 14 | 1 31 | 11 11 | 17 34 | 6 28 | 7 0 | 18 13 | 1 8 | 3 40 |
| S 14 | 11 22 | 17 2 | 5 7 | 15 29 | 2 3 | 21 8 | 1 24 | 17 56 | 1 7 | 1 47 | 1 9 | 20 3 | 0 39 | 20 30 | 0 35 | 20 14 | 1 31 | 11 12 | 17 35 | 6 25 | 6 59 | 18 13 | 1 9 | 3 40 |
| S 15 | 11 1 | 14 58 | 4 56 | 14 49 | 2 1 | 21 4 | 1 20 | 18 4 | 1 6 | 1 42 | 1 9 | 20 1 | 0 39 | 20 29 | 0 35 | 20 14 | 1 31 | 11 13 | 17 35 | 6 22 | 6 57 | 18 13 | 1 10 | 3 40 |
| M16 | 10 40 | 12 10 | 4 30 | 14 8 | 1 58 | 20 58 | 1 16 | 18 11 | 1 6 | 1 36 | 1 9 | 20 0 | 0 39 | 20 29 | 0 35 | 20 14 | 1 31 | 11 14 | 17 35 | 6 19 | 6 56 | 18 14 | 1 12 | 3 39 |
| T 17 | 10 18 | 8 43 | 3 50 | 13 26 | 1 55 | 20 53 | 1 11 | 18 19 | 1 5 | 1 31 | 1 9 | 19 58 | 0 39 | 20 28 | 0 35 | 20 14 | 1 31 | 11 15 | 17 36 | 6 16 | 6 55 | 18 14 | 1 13 | 3 39 |
| W18 | 9 56 | 4 46 | 2 57 | 12 42 | 1 51 | 20 47 | 1 7 | 18 26 | 1 4 | 1 25 | 1 9 | 19 57 | 0 40 | 20 27 | 0 35 | 20 14 | 1 31 | 11 15 | 17 36 | 6 13 | 6 54 | 18 14 | 1 14 | 3 39 |
| T 19 | 9 34 | 0 31 | 1 53 | 11 57 | 1 47 | 20 40 | 1 3 | 18 33 | 1 4 | 1 19 | 1 9 | 19 55 | 0 40 | 20 27 | 0 35 | 20 14 | 1 31 | 11 16 | 17 37 | 6 12 | 6 52 | 18 15 | 1 15 | 3 39 |
| F 20 | 9 12 | 3n49 | 0 42 | 11 10 | 1 42 | 20 32 | 0 58 | 18 40 | 1 3 | 1 14 | 1 9 | 19 54 | 0 40 | 20 26 | 0 35 | 20 14 | 1 31 | 11 17 | 17 37 | 6 11 | 6 51 | 18 15 | 1 17 | 3 39 |
| S 21 | 8 49 | 8 0 | 0s33 | 10 22 | 1 37 | 20 25 | 0 54 | 18 47 | 1 2 | 1 8 | 1 9 | 19 52 | 0 40 | 20 25 | 0 35 | 20 14 | 1 31 | 11 18 | 17 37 | 6 11 | 6 50 | 18 15 | 1 18 | 3 39 |
| S 22 | 8 27 | 11 48 | 1 47 | 9 32 | 1 31 | 20 16 | 0 50 | 18 54 | 1 1 | 1 3 | 1 9 | 19 51 | 0 40 | 20 25 | 0 35 | 20 14 | 1 31 | 11 19 | 17 38 | 6 11 | 6 49 | 18 16 | 1 19 | 3 39 |
| M23 | 8 5 | 14 56 | 2 55 | 8 41 | 1 24 | 20 7 | 0 46 | 19 1 | 1 1 | 0 57 | 1 9 | 19 49 | 0 40 | 20 24 | 0 35 | 20 14 | 1 31 | 11 19 | 17 38 | 6 12 | 6 48 | 18 16 | 1 20 | 3 39 |
| T 24 | 7 42 | 17 13 | 3 52 | 7 49 | 1 17 | 19 57 | 0 42 | 19 8 | 1 0 | 0 51 | 1 9 | 19 48 | 0 40 | 20 23 | 0 35 | 20 14 | 1 31 | 11 20 | 17 38 | 6 12 | 6 46 | 18 16 | 1 22 | 3 39 |
| W25 | 7 19 | 18 26 | 4 36 | 6 55 | 1 9 | 19 47 | 0 38 | 19 14 | 0 59 | 0 45 | 1 9 | 19 47 | 0 40 | 20 23 | 0 35 | 20 14 | 1 31 | 11 21 | 17 39 | 6 12 | 6 45 | 18 17 | 1 23 | 3 38 |
| T 26 | 6 56 | 18 30 | 5 3 | 6 1 | 1 1 | 19 36 | 0 33 | 19 21 | 0 58 | 0 40 | 1 8 | 19 45 | 0 40 | 20 22 | 0 35 | 20 14 | 1 32 | 11 22 | 17 39 | 6 12 | 6 44 | 18 17 | 1 24 | 3 38 |
| F 27 | 6 33 | 17 24 | 5 12 | 5 6 | 0 52 | 19 25 | 0 29 | 19 27 | 0 57 | 0 34 | 1 8 | 19 44 | 0 41 | 20 21 | 0 35 | 20 14 | 1 32 | 11 23 | 17 39 | 6 11 | 6 43 | 18 17 | 1 25 | 3 38 |
| S 28 | 6s10 | 15n15 | 5s 2 | 4s10 | 0s43 | 19s13 | 0n25 | 19s33 | 0n56 | 0s28 | 1s 8 | 19s42 | 0s41 | 20s21 | 0s35 | 20s14 | 1n32 | 11n23 | 17n39 | 6s 9 | 6s41 | 18s18 | 1n27 | 3n38 |

Julian Day Number = 2083051.5, Delta T = 25m07s
Ecliptic obliquity = 23°34'03, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'43, Lahiri = 9°47'43 Julian Calendar 1 Feb. 991 == Greg. Calendar 6 Feb. 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## MARCH 991 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 53 51 | 15♓23'34 | 14♌31 | 23♓13 | 4♒ 1 | 1♐28 | 1♈40 | 5♒23 | 2♒13 | 7♐53 | 12°R11 | 15°R28 | 16♎53 | 13♐52 | 25♓20 | S 1 |
| M 2 | 10 57 48 | 16°23'03 | 28°22 | 25°13 | 5°11 | 1°53 | 1°54 | 5°29 | 2°16 | 7°53 | 12♎ 9 | 15♎24 | 16°50 | 13°58 | 25°23 | M 2 |
| T 3 | 11 1 44 | 17°22'30 | 11♍59 | 27°12 | 6°21 | 2°18 | 2° 8 | 5°35 | 2°19 | 7°54 | 12° 8 | 15°20 | 16°47 | 14° 5 | 25°27 | T 3 |
| W 4 | 11 5 41 | 18°21'55 | 25°19 | 29°10 | 7°31 | 2°44 | 2°23 | 5°41 | 2°21 | 7°54 | 12° 6 | 15°17 | 16°44 | 14°12 | 25°30 | W 4 |
| T 5 | 11 9 37 | 19°21'18 | 8♎22 | 1♈ 6 | 8°41 | 3° 8 | 2°37 | 5°47 | 2°24 | 7°R54 | 12° 5 | 15°16 | 16°41 | 14°18 | 25°34 | T 5 |
| F 6 | 11 13 34 | 20°20'40 | 21° 5 | 3° 1 | 9°52 | 3°33 | 2°51 | 5°53 | 2°27 | 7°54 | 12° 3 | 15°D16 | 16°38 | 14°25 | 25°37 | F 6 |
| S 7 | 11 17 30 | 21°19'59 | 3♏32 | 4°54 | 11° 2 | 3°57 | 3° 5 | 5°58 | 2°29 | 7°54 | 12° 2 | 15°17 | 16°34 | 14°32 | 25°41 | S 7 |
| S 8 | 11 21 27 | 22°19'16 | 15°45 | 6°44 | 12°13 | 4°21 | 3°20 | 6° 4 | 2°32 | 7°53 | 12° 0 | 15°18 | 16°31 | 14°39 | 25°44 | S 8 |
| M 9 | 11 25 24 | 23°18'31 | 27°46 | 8°31 | 13°23 | 4°45 | 3°34 | 6°10 | 2°34 | 7°53 | 11°59 | 15°20 | 16°28 | 14°45 | 25°48 | M 9 |
| T 10 | 11 29 20 | 24°17'45 | 9♐40 | 10°15 | 14°34 | 5° 8 | 3°48 | 6°15 | 2°37 | 7°53 | 11°57 | 15°21 | 16°25 | 14°52 | 25°51 | T 10 |
| W11 | 11 33 17 | 25°16'57 | 21°32 | 11°54 | 15°45 | 5°31 | 4° 3 | 6°21 | 2°39 | 7°53 | 11°55 | 15°R22 | 16°22 | 14°59 | 25°55 | W11 |
| T 12 | 11 37 13 | 26°16'07 | 3♑26 | 13°30 | 16°56 | 5°54 | 4°17 | 6°27 | 2°42 | 7°53 | 11°54 | 15°22 | 16°18 | 15° 5 | 25°58 | T 12 |
| F 13 | 11 41 10 | 27°15'15 | 15°27 | 15° 1 | 18° 6 | 6°16 | 4°31 | 6°32 | 2°44 | 7°53 | 11°52 | 15°21 | 16°15 | 15°12 | 26° 2 | F 13 |
| S 14 | 11 45 6 | 28°14'21 | 27°40 | 16°28 | 19°17 | 6°38 | 4°46 | 6°37 | 2°46 | 7°52 | 11°51 | 15°19 | 16°12 | 15°19 | 26° 5 | S 14 |
| S 15 | 11 49 3 | 29°13'25 | 10♒ 9 | 17°49 | 20°28 | 7° 0 | 5° 0 | 6°43 | 2°49 | 7°52 | 11°49 | 15°17 | 16° 9 | 15°25 | 26° 9 | S 15 |
| M16 | 11 52 59 | 0♈12'28 | 22°56 | 19° 4 | 21°39 | 7°21 | 5°15 | 6°48 | 2°51 | 7°52 | 11°47 | 15°15 | 16° 6 | 15°32 | 26°12 | M16 |
| T 17 | 11 56 56 | 1°11'29 | 6♓ 2 | 20°14 | 22°50 | 7°42 | 5°29 | 6°53 | 2°53 | 7°51 | 11°46 | 15°13 | 16° 3 | 15°39 | 26°16 | T 17 |
| W18 | 12 0 53 | 2°10'27 | 19°29 | 21°19 | 24° 1 | 8° 3 | 5°44 | 6°58 | 2°55 | 7°51 | 11°44 | 15°11 | 15°59 | 15°46 | 26°19 | W18 |
| T 19 | 12 4 49 | 3° 9'24 | 3♈14 | 22°17 | 25°12 | 8°23 | 5°58 | 7° 3 | 2°58 | 7°50 | 11°42 | 15°10 | 15°56 | 15°52 | 26°23 | T 19 |
| F 20 | 12 8 46 | 4° 8'18 | 17°16 | 23° 9 | 26°23 | 8°43 | 6°12 | 7° 8 | 3° 0 | 7°50 | 11°41 | 15°D10 | 15°53 | 15°59 | 26°26 | F 20 |
| S 21 | 12 12 42 | 5° 7'11 | 1♉30 | 23°54 | 27°35 | 9° 2 | 6°27 | 7°13 | 3° 2 | 7°49 | 11°39 | 15°10 | 15°50 | 16° 6 | 26°30 | S 21 |
| S 22 | 12 16 39 | 6° 6'01 | 15°51 | 24°34 | 28°46 | 9°21 | 6°41 | 7°18 | 3° 4 | 7°49 | 11°37 | 15°11 | 15°47 | 16°12 | 26°33 | S 22 |
| M23 | 12 20 35 | 7° 4'49 | 0♊15 | 25° 6 | 29°57 | 9°40 | 6°56 | 7°23 | 3° 6 | 7°48 | 11°36 | 15°12 | 15°43 | 16°19 | 26°37 | M23 |
| T 24 | 12 24 32 | 8° 3'35 | 14°39 | 25°33 | 1♓ 8 | 9°58 | 7°10 | 7°28 | 3° 8 | 7°48 | 11°34 | 15°12 | 15°40 | 16°26 | 26°40 | T 24 |
| W25 | 12 28 28 | 9° 2'18 | 28°57 | 25°53 | 2°20 | 10°16 | 7°25 | 7°32 | 3°10 | 7°47 | 11°32 | 15°13 | 15°37 | 16°32 | 26°44 | W25 |
| T 26 | 12 32 25 | 10° 1'00 | 13♋ 7 | 26° 6 | 3°31 | 10°33 | 7°39 | 7°37 | 3°11 | 7°47 | 11°30 | 15°R13 | 15°34 | 16°39 | 26°47 | T 26 |
| F 27 | 12 36 21 | 10°59'39 | 27° 8 | 26°13 | 4°42 | 10°50 | 7°54 | 7°41 | 3°13 | 7°46 | 11°29 | 15°13 | 15°31 | 16°46 | 26°51 | F 27 |
| S 28 | 12 40 18 | 11°58'15 | 10♌58 | 26°R14 | 5°54 | 11° 6 | 8° 8 | 7°46 | 3°15 | 7°45 | 11°27 | 15°13 | 15°28 | 16°53 | 26°54 | S 28 |
| S 29 | 12 44 15 | 12°56'49 | 24°35 | 26° 9 | 7° 5 | 11°22 | 8°22 | 7°50 | 3°17 | 7°44 | 11°25 | 15°12 | 15°24 | 16°59 | 26°58 | S 29 |
| M30 | 12 48 11 | 13°55'21 | 7♍59 | 25°58 | 8°17 | 11°38 | 8°37 | 7°54 | 3°18 | 7°44 | 11°24 | 15°12 | 15°21 | 17° 6 | 27° 1 | M30 |
| T 31 | 12 52 8 | 14♈53'51 | 21♍ 9 | 25♈42 | 9♓28 | 11♐52 | 8♈51 | 7♒58 | 3♒20 | 7♐43 | 11♎22 | 15°D12 | 15♎18 | 17♐13 | 27♓ 4 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s47 | 12n12 | 4s33 | 3s13 | 0s33 | 19s 1 | 0n21 | 19s40 | 0n55 | 0s23 | 1s 8 | 19s41 | 0s41 | 20s20 | 0s35 | 20s14 | 1n32 | 11n24 | 17n40 | 6s 7 | 6s40 | 18s18 | 1n28 | 3n38 |
| M 2 | 5 24 | 8 31 | 3 49 | 2 16 | 0 23 | 18 48 | 0 17 | 19 46 | 0 54 | 0 17 | 1 8 | 19 40 | 0 41 | 20 20 | 0 35 | 20 14 | 1 32 | 11 25 | 17 40 | 6 6 | 6 39 | 18 18 | 1 29 | 3 38 |
| T 3 | 5 1 | 4 27 | 2 52 | 1 18 | 0 12 | 18 34 | 0 14 | 19 52 | 0 53 | 0 11 | 1 8 | 19 38 | 0 41 | 20 19 | 0 35 | 20 14 | 1 32 | 11 26 | 17 40 | 6 4 | 6 38 | 18 19 | 1 31 | 3 38 |
| W 4 | 4 38 | 0 14 | 1 47 | 0 21 | 0 1 | 18 20 | 0 10 | 19 58 | 0 52 | 0 5 | 1 8 | 19 37 | 0 41 | 20 18 | 0 35 | 20 14 | 1 32 | 11 27 | 17 41 | 6 3 | 6 37 | 18 19 | 1 32 | 3 38 |
| T 5 | 4 14 | 3s55 | 0 38 | 0n36 | 0n10 | 18 5 | 0 6 | 20 3 | 0 51 | 0n 0 | 1 8 | 19 36 | 0 41 | 20 18 | 0 35 | 20 14 | 1 32 | 11 27 | 17 41 | 6 3 | 6 35 | 18 19 | 1 33 | 3 38 |
| F 6 | 3 51 | 7 47 | 0n32 | 1 33 | 0 22 | 17 50 | 0 2 | 20 9 | 0 50 | 0 6 | 1 8 | 19 34 | 0 41 | 20 17 | 0 35 | 20 14 | 1 32 | 11 28 | 17 41 | 6 2 | 6 34 | 18 19 | 1 35 | 3 38 |
| S 7 | 3 27 | 11 13 | 1 39 | 2 29 | 0 34 | 17 35 | 0s 2 | 20 15 | 0 49 | 0 12 | 1 8 | 19 33 | 0 41 | 20 17 | 0 35 | 20 14 | 1 32 | 11 29 | 17 41 | 6 3 | 6 33 | 18 20 | 1 36 | 3 38 |
| S 8 | 3 4 | 14 5 | 2 40 | 3 24 | 0 46 | 17 19 | 0 5 | 20 20 | 0 48 | 0 18 | 1 8 | 19 32 | 0 42 | 20 16 | 0 35 | 20 14 | 1 32 | 11 30 | 17 41 | 6 3 | 6 32 | 18 20 | 1 37 | 3 38 |
| M 9 | 2 40 | 16 18 | 3 33 | 4 18 | 0 59 | 17 2 | 0 9 | 20 26 | 0 47 | 0 23 | 1 8 | 19 30 | 0 42 | 20 16 | 0 35 | 20 14 | 1 32 | 11 31 | 17 42 | 6 4 | 6 30 | 18 20 | 1 39 | 3 38 |
| T 10 | 2 17 | 17 47 | 4 17 | 5 10 | 1 11 | 16 45 | 0 13 | 20 31 | 0 46 | 0 29 | 1 8 | 19 29 | 0 42 | 20 15 | 0 35 | 20 14 | 1 32 | 11 31 | 17 42 | 6 5 | 6 29 | 18 21 | 1 40 | 3 37 |
| W11 | 1 53 | 18 29 | 4 49 | 6 0 | 1 23 | 16 28 | 0 16 | 20 36 | 0 45 | 0 35 | 1 8 | 19 28 | 0 42 | 20 14 | 0 35 | 20 14 | 1 32 | 11 32 | 17 42 | 6 5 | 6 28 | 18 21 | 1 41 | 3 37 |
| T 12 | 1 29 | 18 23 | 5 9 | 6 49 | 1 35 | 16 10 | 0 20 | 20 42 | 0 43 | 0 41 | 1 8 | 19 26 | 0 42 | 20 14 | 0 35 | 20 13 | 1 32 | 11 33 | 17 42 | 6 5 | 6 27 | 18 21 | 1 43 | 3 37 |
| F 13 | 1 6 | 17 26 | 5 16 | 7 35 | 1 46 | 15 51 | 0 23 | 20 47 | 0 42 | 0 46 | 1 8 | 19 25 | 0 42 | 20 13 | 0 35 | 20 13 | 1 32 | 11 34 | 17 42 | 6 5 | 6 26 | 18 21 | 1 44 | 3 37 |
| S 14 | 0 42 | 15 42 | 5 8 | 8 19 | 1 57 | 15 32 | 0 26 | 20 52 | 0 41 | 0 52 | 1 8 | 19 24 | 0 42 | 20 13 | 0 35 | 20 13 | 1 32 | 11 34 | 17 43 | 6 4 | 6 24 | 18 22 | 1 45 | 3 37 |
| S 15 | 0 19 | 13 12 | 4 47 | 9 0 | 2 8 | 15 13 | 0 30 | 20 57 | 0 39 | 0 58 | 1 8 | 19 23 | 0 42 | 20 12 | 0 35 | 20 13 | 1 32 | 11 35 | 17 43 | 6 3 | 6 23 | 18 22 | 1 47 | 3 37 |
| M16 | 0n 5 | 10 0 | 4 10 | 9 38 | 2 18 | 14 53 | 0 33 | 21 2 | 0 38 | 1 4 | 1 8 | 19 22 | 0 43 | 20 12 | 0 35 | 20 13 | 1 32 | 11 36 | 17 43 | 6 2 | 6 22 | 18 22 | 1 48 | 3 37 |
| T 17 | 0 29 | 6 15 | 3 20 | 10 14 | 2 28 | 14 33 | 0 36 | 21 7 | 0 37 | 1 9 | 1 8 | 19 20 | 0 43 | 20 11 | 0 35 | 20 13 | 1 32 | 11 37 | 17 43 | 6 1 | 6 21 | 18 22 | 1 50 | 3 37 |
| W18 | 0 52 | 2 5 | 2 17 | 10 46 | 2 36 | 14 12 | 0 39 | 21 11 | 0 35 | 1 15 | 1 8 | 19 19 | 0 43 | 20 11 | 0 35 | 20 13 | 1 32 | 11 37 | 17 43 | 6 1 | 6 19 | 18 23 | 1 51 | 3 37 |
| T 19 | 1 16 | 2n18 | 1 6 | 11 15 | 2 44 | 13 51 | 0 42 | 21 16 | 0 34 | 1 21 | 1 7 | 19 18 | 0 43 | 20 10 | 0 35 | 20 13 | 1 32 | 11 38 | 17 43 | 6 0 | 6 18 | 18 23 | 1 52 | 3 37 |
| F 20 | 1 39 | 6 38 | 0s12 | 11 41 | 2 51 | 13 30 | 0 45 | 21 21 | 0 32 | 1 27 | 1 7 | 19 17 | 0 43 | 20 10 | 0 35 | 20 13 | 1 32 | 11 39 | 17 43 | 6 0 | 6 17 | 18 23 | 1 54 | 3 37 |
| S 21 | 2 3 | 10 40 | 1 29 | 12 4 | 2 57 | 13 8 | 0 48 | 21 25 | 0 31 | 1 33 | 1 7 | 19 16 | 0 43 | 20 10 | 0 35 | 20 13 | 1 33 | 11 40 | 17 43 | 6 0 | 6 16 | 18 23 | 1 55 | 3 37 |
| S 22 | 2 26 | 14 5 | 2 42 | 12 23 | 3 2 | 12 46 | 0 51 | 21 29 | 0 29 | 1 38 | 1 7 | 19 15 | 0 43 | 20 9 | 0 35 | 20 12 | 1 33 | 11 40 | 17 43 | 6 1 | 6 14 | 18 24 | 1 56 | 3 37 |
| M23 | 2 49 | 16 39 | 3 45 | 12 38 | 3 6 | 12 23 | 0 54 | 21 34 | 0 28 | 1 44 | 1 7 | 19 14 | 0 43 | 20 9 | 0 35 | 20 12 | 1 33 | 11 41 | 17 43 | 6 1 | 6 13 | 18 24 | 1 58 | 3 37 |
| T 24 | 3 13 | 18 9 | 4 33 | 12 51 | 3 8 | 12 1 | 0 57 | 21 38 | 0 26 | 1 50 | 1 7 | 19 12 | 0 44 | 20 8 | 0 35 | 20 12 | 1 33 | 11 42 | 17 43 | 6 1 | 6 12 | 18 24 | 1 59 | 3 37 |
| W25 | 3 36 | 18 29 | 5 5 | 12 59 | 3 9 | 11 37 | 0 59 | 21 42 | 0 24 | 1 56 | 1 7 | 19 11 | 0 44 | 20 8 | 0 36 | 20 12 | 1 33 | 11 42 | 17 44 | 6 1 | 6 11 | 18 24 | 2 1 | 3 37 |
| T 26 | 3 59 | 17 40 | 5 17 | 13 4 | 3 10 | 11 14 | 1 2 | 21 47 | 0 23 | 2 1 | 1 7 | 19 10 | 0 44 | 20 7 | 0 36 | 20 12 | 1 33 | 11 43 | 17 44 | 6 1 | 6 10 | 18 25 | 2 2 | 3 37 |
| F 27 | 4 22 | 15 46 | 5 10 | 13 6 | 3 8 | 10 50 | 1 4 | 21 51 | 0 21 | 2 7 | 1 7 | 19 9 | 0 44 | 20 7 | 0 36 | 20 12 | 1 33 | 11 44 | 17 44 | 6 1 | 6 8 | 18 25 | 2 3 | 3 37 |
| S 28 | 4 45 | 12 59 | 4 46 | 13 3 | 3 6 | 10 26 | 1 7 | 21 55 | 0 19 | 2 13 | 1 7 | 19 8 | 0 44 | 20 7 | 0 36 | 20 12 | 1 33 | 11 44 | 17 44 | 6 1 | 6 7 | 18 25 | 2 5 | 3 37 |
| S 29 | 5 8 | 9 32 | 4 5 | 12 58 | 3 1 | 10 1 | 1 9 | 21 59 | 0 17 | 2 18 | 1 7 | 19 7 | 0 44 | 20 6 | 0 36 | 20 11 | 1 33 | 11 45 | 17 44 | 6 1 | 6 6 | 18 25 | 2 6 | 3 37 |
| M30 | 5 31 | 5 39 | 3 12 | 12 49 | 2 56 | 9 37 | 1 11 | 22 3 | 0 15 | 2 24 | 1 7 | 19 6 | 0 44 | 20 6 | 0 36 | 20 11 | 1 33 | 11 46 | 17 44 | 6 1 | 6 5 | 18 25 | 2 7 | 3 37 |
| T 31 | 5n54 | 1n32 | 2s10 | 12n36 | 2n49 | 9s12 | 1s14 | 22s 7 | 0n13 | 2n30 | 1s 7 | 19s 5 | 0s45 | 20s 6 | 0s36 | 20s11 | 1n33 | 11n46 | 17n44 | 6s 1 | 6s 3 | 18s26 | 2n 9 | 3n37 |

Julian Day Number = 2083079.5, Delta T = 25m07s
Ecliptic obliquity = 23°34'03, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'47, Lahiri = 9°47'47 Julian Calendar 1 March 991 == Greg. Calendar 6 March 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## APRIL 991 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 56 4 | 15♈52'19 | 4♎ 6 | 25°R21 | 10♓40 | 12♐ 7 | 9♈ 6 | 8♒ 3 | 3♒22 | 7°R42 | 11°R20 | 15♎12 | 15♎15 | 17♐19 | 27♓ 8 | W 1 |
| T 2 | 13 0 1 | 16°50'45 | 16°50 | 24♈55 | 11°51 | 12°21 | 9°20 | 8° 7 | 3°23 | 7♐41 | 11♎19 | 15°R12 | 15°12 | 17°26 | 27°11 | T 2 |
| F 3 | 13 3 57 | 17°49'09 | 29°20 | 24°25 | 13° 3 | 12°34 | 9°34 | 8°10 | 3°25 | 7°40 | 11°17 | 15°12 | 15° 9 | 17°33 | 27°14 | F 3 |
| S 4 | 13 7 54 | 18°47'31 | 11♏38 | 23°52 | 14°15 | 12°47 | 9°49 | 8°14 | 3°26 | 7°39 | 11°15 | 15°12 | 15° 5 | 17°40 | 27°18 | S 4 |
| S 5 | 13 11 50 | 19°45'51 | 23°46 | 23°16 | 15°26 | 12°59 | 10° 3 | 8°18 | 3°28 | 7°38 | 11°14 | 15°11 | 15° 2 | 17°46 | 27°21 | S 5 |
| M 6 | 13 15 47 | 20°44'10 | 5♐45 | 22°38 | 16°38 | 13°11 | 10°17 | 8°22 | 3°29 | 7°38 | 11°12 | 15°10 | 14°59 | 17°53 | 27°24 | M 6 |
| T 7 | 13 19 44 | 21°42'27 | 17°39 | 21°59 | 17°50 | 13°22 | 10°31 | 8°25 | 3°30 | 7°37 | 11°10 | 15°10 | 14°56 | 18° 0 | 27°28 | T 7 |
| W 8 | 13 23 40 | 22°40'42 | 29°31 | 21°19 | 19° 2 | 13°33 | 10°46 | 8°29 | 3°32 | 7°36 | 11° 9 | 15° 9 | 14°53 | 18° 6 | 27°31 | W 8 |
| T 9 | 13 27 37 | 23°38'56 | 11♑25 | 20°39 | 20°13 | 13°43 | 11° 0 | 8°32 | 3°33 | 7°35 | 11° 7 | 15° 8 | 14°49 | 18°13 | 27°34 | T 9 |
| F 10 | 13 31 33 | 24°37'09 | 23°26 | 20° 0 | 21°25 | 13°52 | 11°14 | 8°36 | 3°34 | 7°33 | 11° 5 | 15°D 8 | 14°46 | 18°20 | 27°37 | F 10 |
| S 11 | 13 35 30 | 25°35'19 | 5♒37 | 19°23 | 22°37 | 14° 1 | 11°28 | 8°39 | 3°35 | 7°32 | 11° 4 | 15° 8 | 14°43 | 18°26 | 27°41 | S 11 |
| S 12 | 13 39 26 | 26°33'28 | 18° 4 | 18°48 | 23°49 | 14° 9 | 11°43 | 8°42 | 3°36 | 7°31 | 11° 2 | 15° 9 | 14°40 | 18°33 | 27°44 | S 12 |
| M13 | 13 43 23 | 27°31'36 | 0♓51 | 18°15 | 25° 1 | 14°17 | 11°57 | 8°45 | 3°37 | 7°30 | 11° 0 | 15°10 | 14°37 | 18°40 | 27°47 | M13 |
| T 14 | 13 47 19 | 28°29'42 | 14° 0 | 17°45 | 26°13 | 14°23 | 12°11 | 8°49 | 3°38 | 7°29 | 10°59 | 15°11 | 14°34 | 18°47 | 27°50 | T 14 |
| W15 | 13 51 16 | 29°27'47 | 27°33 | 17°19 | 27°25 | 14°30 | 12°25 | 8°51 | 3°39 | 7°28 | 10°57 | 15°12 | 14°30 | 18°53 | 27°53 | W15 |
| T 16 | 13 55 13 | 0♉25'50 | 11♈31 | 16°57 | 28°37 | 14°35 | 12°39 | 8°54 | 3°40 | 7°27 | 10°56 | 15°R12 | 14°27 | 19° 0 | 27°56 | T 16 |
| F 17 | 13 59 9 | 1°23'52 | 25°50 | 16°39 | 29°49 | 14°40 | 12°53 | 8°57 | 3°41 | 7°25 | 10°54 | 15°12 | 14°24 | 19° 7 | 27°59 | F 17 |
| S 18 | 14 3 6 | 2°21'52 | 10♉27 | 16°26 | 1♈ 1 | 14°44 | 13° 7 | 9° 0 | 3°42 | 7°24 | 10°53 | 15°11 | 14°21 | 19°13 | 28° 2 | S 18 |
| S 19 | 14 7 2 | 3°19'50 | 25°15 | 16°17 | 2°13 | 14°47 | 13°21 | 9° 2 | 3°42 | 7°23 | 10°51 | 15° 9 | 14°18 | 19°20 | 28° 6 | S 19 |
| M20 | 14 10 59 | 4°17'47 | 10♊ 6 | 16°D12 | 3°25 | 14°50 | 13°35 | 9° 5 | 3°43 | 7°22 | 10°49 | 15° 7 | 14°14 | 19°27 | 28° 9 | M20 |
| T 21 | 14 14 55 | 5°15'42 | 24°53 | 16°13 | 4°37 | 14°52 | 13°49 | 9° 7 | 3°44 | 7°20 | 10°48 | 15° 5 | 14°11 | 19°34 | 28°11 | T 21 |
| W22 | 14 18 52 | 6°13'35 | 9♋29 | 16°18 | 5°49 | 14°53 | 14° 3 | 9°10 | 3°44 | 7°19 | 10°46 | 15° 2 | 14° 8 | 19°40 | 28°14 | W22 |
| T 23 | 14 22 48 | 7°11'26 | 23°49 | 16°27 | 7° 1 | 14°R54 | 14°17 | 9°12 | 3°45 | 7°18 | 10°45 | 15° 1 | 14° 5 | 19°47 | 28°17 | T 23 |
| F 24 | 14 26 45 | 8° 9'15 | 7♌50 | 16°41 | 8°13 | 14°53 | 14°30 | 9°14 | 3°45 | 7°16 | 10°44 | 15°D 0 | 14° 2 | 19°54 | 28°20 | F 24 |
| S 25 | 14 30 42 | 9° 7'03 | 21°31 | 17° 0 | 9°25 | 14°52 | 14°44 | 9°16 | 3°46 | 7°15 | 10°42 | 15° 1 | 13°59 | 20° 0 | 28°23 | S 25 |
| S 26 | 14 34 38 | 10° 4'49 | 4♍54 | 17°23 | 10°37 | 14°50 | 14°58 | 9°18 | 3°46 | 7°14 | 10°41 | 15° 2 | 13°55 | 20° 7 | 28°26 | S 26 |
| M27 | 14 38 35 | 11° 2'33 | 17°59 | 17°50 | 11°50 | 14°48 | 15°12 | 9°20 | 3°47 | 7°12 | 10°39 | 15° 4 | 13°52 | 20°14 | 28°29 | M27 |
| T 28 | 14 42 31 | 12° 0'15 | 0♎49 | 18°21 | 13° 2 | 14°45 | 15°25 | 9°21 | 3°47 | 7°11 | 10°38 | 15° 5 | 13°49 | 20°21 | 28°31 | T 28 |
| W29 | 14 46 28 | 12°57'56 | 13°25 | 18°57 | 14°14 | 14°41 | 15°39 | 9°23 | 3°47 | 7° 9 | 10°37 | 15°R 6 | 13°46 | 20°27 | 28°34 | W29 |
| T 30 | 14 50 24 | 13♉55'35 | 25♎50 | 19♈36 | 15♈26 | 14♐36 | 15♈52 | 9♒25 | 3♒47 | 7♐ 8 | 10♎35 | 15♎ 5 | 13♎43 | 20♐34 | 28♓37 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n17 | 2s35 | 1s 1 | 12n21 | 2n41 | 8s46 | 1s16 | 22s11 | 0n11 | 2n35 | 1s 7 | 19s 4 | 0s45 | 20s 5 | 0s36 | 20s11 | 1n33 | 11n47 | 17n43 | 6s 1 | 6s 2 | 18s26 | 2n10 | 3n37 |
| T 2 | 6 39 | 6 30 | 0n 9 | 12 2 | 2 31 | 8 21 | 1 18 | 22 15 | 0 9 | 2 41 | 1 7 | 19 4 | 0 45 | 20 5 | 0 36 | 20 11 | 1 33 | 11 47 | 17 43 | 6 1 | 6 1 | 18 26 | 2 11 | 3 37 |
| F 3 | 7 2 | 10 5 | 1 18 | 11 41 | 2 20 | 7 55 | 1 20 | 22 18 | 0 7 | 2 47 | 1 7 | 19 3 | 0 45 | 20 5 | 0 36 | 20 11 | 1 33 | 11 48 | 17 43 | 6 1 | 6 0 | 18 26 | 2 13 | 3 37 |
| S 4 | 7 24 | 13 10 | 2 21 | 11 17 | 2 7 | 7 29 | 1 22 | 22 22 | 0 5 | 2 52 | 1 7 | 19 2 | 0 45 | 20 4 | 0 36 | 20 10 | 1 33 | 11 49 | 17 43 | 6 1 | 5 58 | 18 26 | 2 14 | 3 37 |
| S 5 | 7 46 | 15 37 | 3 18 | 10 51 | 1 54 | 7 3 | 1 23 | 22 26 | 0 3 | 2 58 | 1 7 | 19 1 | 0 45 | 20 4 | 0 36 | 20 10 | 1 33 | 11 49 | 17 43 | 6 1 | 5 57 | 18 27 | 2 15 | 3 37 |
| M 6 | 8 8 | 17 21 | 4 5 | 10 24 | 1 40 | 6 37 | 1 25 | 22 30 | 0 1 | 3 4 | 1 7 | 19 0 | 0 45 | 20 4 | 0 36 | 20 10 | 1 33 | 11 50 | 17 43 | 6 0 | 5 56 | 18 27 | 2 17 | 3 37 |
| T 7 | 8 30 | 18 19 | 4 41 | 9 55 | 1 24 | 6 10 | 1 27 | 22 33 | 0s 2 | 3 9 | 1 7 | 18 59 | 0 46 | 20 3 | 0 36 | 20 10 | 1 33 | 11 50 | 17 43 | 6 0 | 5 55 | 18 27 | 2 18 | 3 37 |
| W 8 | 8 52 | 18 29 | 5 5 | 9 25 | 1 8 | 5 43 | 1 28 | 22 37 | 0 4 | 3 15 | 1 7 | 18 58 | 0 46 | 20 3 | 0 36 | 20 10 | 1 33 | 11 51 | 17 43 | 6 0 | 5 54 | 18 27 | 2 19 | 3 37 |
| T 9 | 9 14 | 17 49 | 5 16 | 8 55 | 0 52 | 5 16 | 1 30 | 22 40 | 0 6 | 3 21 | 1 7 | 18 58 | 0 46 | 20 3 | 0 36 | 20 9 | 1 33 | 11 51 | 17 43 | 6 0 | 5 52 | 18 27 | 2 21 | 3 37 |
| F 10 | 9 35 | 16 22 | 5 14 | 8 24 | 0 35 | 4 49 | 1 31 | 22 44 | 0 9 | 3 26 | 1 7 | 18 57 | 0 46 | 20 3 | 0 36 | 20 9 | 1 33 | 11 52 | 17 43 | 6 0 | 5 51 | 18 28 | 2 22 | 3 37 |
| S 11 | 9 57 | 14 10 | 4 57 | 7 54 | 0 18 | 4 22 | 1 33 | 22 47 | 0 11 | 3 32 | 1 7 | 18 56 | 0 46 | 20 2 | 0 36 | 20 9 | 1 33 | 11 52 | 17 42 | 6 0 | 5 50 | 18 28 | 2 23 | 3 37 |
| S 12 | 10 18 | 11 16 | 4 26 | 7 25 | 0 1 | 3 54 | 1 34 | 22 51 | 0 14 | 3 37 | 1 8 | 18 56 | 0 46 | 20 2 | 0 36 | 20 9 | 1 33 | 11 53 | 17 42 | 6 0 | 5 49 | 18 28 | 2 25 | 3 37 |
| M13 | 10 39 | 7 47 | 3 42 | 6 57 | 0s16 | 3 27 | 1 35 | 22 54 | 0 16 | 3 43 | 1 8 | 18 55 | 0 47 | 20 2 | 0 36 | 20 9 | 1 33 | 11 53 | 17 42 | 6 0 | 5 47 | 18 28 | 2 26 | 3 37 |
| T 14 | 11 0 | 3 48 | 2 44 | 6 30 | 0 33 | 2 59 | 1 36 | 22 58 | 0 19 | 3 48 | 1 8 | 18 54 | 0 47 | 20 2 | 0 36 | 20 8 | 1 33 | 11 54 | 17 42 | 6 1 | 5 46 | 18 28 | 2 27 | 3 37 |
| W15 | 11 21 | 0n29 | 1 36 | 6 5 | 0 49 | 2 31 | 1 37 | 23 1 | 0 22 | 3 54 | 1 8 | 18 54 | 0 47 | 20 2 | 0 36 | 20 8 | 1 33 | 11 54 | 17 42 | 6 1 | 5 45 | 18 28 | 2 29 | 3 37 |
| T 16 | 11 41 | 4 53 | 0 20 | 5 42 | 1 5 | 2 3 | 1 38 | 23 5 | 0 24 | 3 59 | 1 8 | 18 53 | 0 47 | 20 1 | 0 36 | 20 8 | 1 33 | 11 55 | 17 42 | 6 1 | 5 44 | 18 29 | 2 30 | 3 37 |
| F 17 | 12 1 | 9 8 | 0s58 | 5 21 | 1 20 | 1 35 | 1 39 | 23 8 | 0 27 | 4 5 | 1 8 | 18 52 | 0 47 | 20 1 | 0 36 | 20 8 | 1 33 | 11 55 | 17 41 | 6 1 | 5 42 | 18 29 | 2 31 | 3 37 |
| S 18 | 12 22 | 12 54 | 2 15 | 5 3 | 1 34 | 1 7 | 1 40 | 23 11 | 0 30 | 4 10 | 1 8 | 18 52 | 0 47 | 20 1 | 0 36 | 20 8 | 1 33 | 11 55 | 17 41 | 6 1 | 5 41 | 18 29 | 2 32 | 3 38 |
| S 19 | 12 41 | 15 53 | 3 23 | 4 47 | 1 47 | 0 39 | 1 40 | 23 14 | 0 33 | 4 16 | 1 8 | 18 51 | 0 47 | 20 1 | 0 36 | 20 7 | 1 33 | 11 56 | 17 41 | 6 0 | 5 40 | 18 29 | 2 34 | 3 38 |
| M20 | 13 1 | 17 49 | 4 18 | 4 34 | 2 0 | 0 11 | 1 41 | 23 18 | 0 36 | 4 21 | 1 8 | 18 51 | 0 48 | 20 1 | 0 36 | 20 7 | 1 34 | 11 56 | 17 41 | 5 59 | 5 39 | 18 29 | 2 35 | 3 38 |
| T 21 | 13 21 | 18 33 | 4 56 | 4 23 | 2 12 | 0n17 | 1 42 | 23 21 | 0 39 | 4 26 | 1 8 | 18 50 | 0 48 | 20 1 | 0 36 | 20 7 | 1 34 | 11 56 | 17 40 | 5 58 | 5 37 | 18 29 | 2 36 | 3 38 |
| W22 | 13 40 | 18 1 | 5 13 | 4 15 | 2 23 | 0 46 | 1 42 | 23 24 | 0 42 | 4 32 | 1 8 | 18 50 | 0 48 | 20 1 | 0 36 | 20 7 | 1 34 | 11 57 | 17 40 | 5 57 | 5 36 | 18 29 | 2 37 | 3 38 |
| T 23 | 13 59 | 16 21 | 5 11 | 4 9 | 2 33 | 1 14 | 1 42 | 23 27 | 0 45 | 4 37 | 1 8 | 18 49 | 0 48 | 20 1 | 0 37 | 20 6 | 1 34 | 11 57 | 17 40 | 5 57 | 5 35 | 18 30 | 2 39 | 3 38 |
| F 24 | 14 18 | 13 44 | 4 50 | 4 6 | 2 42 | 1 42 | 1 43 | 23 30 | 0 48 | 4 42 | 1 8 | 18 49 | 0 48 | 20 0 | 0 37 | 20 6 | 1 34 | 11 57 | 17 40 | 5 57 | 5 34 | 18 30 | 2 40 | 3 38 |
| S 25 | 14 37 | 10 24 | 4 13 | 4 6 | 2 50 | 2 11 | 1 43 | 23 33 | 0 52 | 4 48 | 1 8 | 18 49 | 0 48 | 20 0 | 0 37 | 20 6 | 1 34 | 11 58 | 17 39 | 5 57 | 5 32 | 18 30 | 2 41 | 3 38 |
| S 26 | 14 55 | 6 37 | 3 23 | 4 8 | 2 57 | 2 39 | 1 43 | 23 37 | 0 55 | 4 53 | 1 8 | 18 48 | 0 49 | 20 0 | 0 37 | 20 6 | 1 34 | 11 58 | 17 39 | 5 57 | 5 31 | 18 30 | 2 42 | 3 38 |
| M27 | 15 13 | 2 34 | 2 24 | 4 13 | 3 3 | 3 7 | 1 43 | 23 40 | 0 58 | 4 58 | 1 8 | 18 48 | 0 49 | 20 0 | 0 37 | 20 5 | 1 34 | 11 58 | 17 39 | 5 58 | 5 30 | 18 30 | 2 43 | 3 38 |
| T 28 | 15 31 | 1s31 | 1 18 | 4 20 | 3 9 | 3 35 | 1 43 | 23 43 | 1 2 | 5 3 | 1 8 | 18 48 | 0 49 | 20 0 | 0 37 | 20 5 | 1 34 | 11 58 | 17 38 | 5 58 | 5 29 | 18 30 | 2 45 | 3 38 |
| W29 | 15 49 | 5 28 | 0 9 | 4 29 | 3 13 | 4 4 | 1 43 | 23 45 | 1 5 | 5 9 | 1 8 | 18 47 | 0 49 | 20 0 | 0 37 | 20 5 | 1 34 | 11 59 | 17 38 | 5 59 | 5 28 | 18 30 | 2 46 | 3 38 |
| T 30 | 16n 6 | 9s 8 | 0n59 | 4n41 | 3s17 | 4n32 | 1s43 | 23s48 | 1s 8 | 5n14 | 1s 8 | 18s47 | 0s49 | 20s 0 | 0s37 | 20s 5 | 1n34 | 11n59 | 17n38 | 5s58 | 5s26 | 18s30 | 2n47 | 3n38 |

Julian Day Number = 2083110.5, Delta T = 25m07s
Ecliptic obliquity = 23°34'03, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'51, Lahiri = 9°47'51 Julian Calendar 1 Apr. 991 == Greg. Calendar 6 Apr. 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## MAY 991 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 54 21 | 14♉53'13 | 8♏ 5 | 20♈19 | 16♈38 | 14°R31 | 16♈ 6 | 9♒26 | 3♒48 | 7°R 6 | 10°R34 | 15°R 3 | 13♎40 | 20♐41 | 28♓40 | F 1 |
| S 2 | 14 58 17 | 15°50'50 | 20°13 | 21° 6 | 17°51 | 14♐24 | 16°19 | 9°27 | 3°48 | 7♐ 5 | 10♎33 | 15♎ 0 | 13°36 | 20°47 | 28°42 | S 2 |
| S 3 | 15 2 14 | 16°48'25 | 2♐13 | 21°56 | 19° 3 | 14°17 | 16°33 | 9°29 | 3°48 | 7° 4 | 10°31 | 14°55 | 13°33 | 20°54 | 28°45 | S 3 |
| M 4 | 15 6 10 | 17°45'59 | 14° 9 | 22°50 | 20°15 | 14°10 | 16°46 | 9°30 | 3°R48 | 7° 2 | 10°30 | 14°50 | 13°30 | 21° 1 | 28°47 | M 4 |
| T 5 | 15 10 7 | 18°43'32 | 26° 1 | 23°47 | 21°27 | 14° 1 | 16°59 | 9°31 | 3°48 | 7° 1 | 10°29 | 14°44 | 13°27 | 21° 8 | 28°50 | T 5 |
| W 6 | 15 14 4 | 19°41'04 | 7♑53 | 24°47 | 22°40 | 13°52 | 17°13 | 9°32 | 3°48 | 6°59 | 10°28 | 14°38 | 13°24 | 21°14 | 28°52 | W 6 |
| T 7 | 15 18 0 | 20°38'35 | 19°48 | 25°51 | 23°52 | 13°42 | 17°26 | 9°33 | 3°47 | 6°57 | 10°26 | 14°33 | 13°20 | 21°21 | 28°55 | T 7 |
| F 8 | 15 21 57 | 21°36'05 | 1♒48 | 26°58 | 25° 5 | 13°32 | 17°39 | 9°33 | 3°47 | 6°56 | 10°25 | 14°30 | 13°17 | 21°28 | 28°57 | F 8 |
| S 9 | 15 25 53 | 22°33'34 | 13°58 | 28° 7 | 26°17 | 13°20 | 17°52 | 9°34 | 3°47 | 6°54 | 10°24 | 14°28 | 13°14 | 21°34 | 29° 0 | S 9 |
| S 10 | 15 29 50 | 23°31'03 | 26°22 | 29°20 | 27°29 | 13° 8 | 18° 5 | 9°35 | 3°47 | 6°53 | 10°23 | 14°D27 | 13°11 | 21°41 | 29° 2 | S 10 |
| M11 | 15 33 46 | 24°28'30 | 9♓ 4 | 0♉35 | 28°42 | 12°56 | 18°18 | 9°35 | 3°46 | 6°51 | 10°22 | 14°28 | 13° 8 | 21°48 | 29° 4 | M11 |
| T 12 | 15 37 43 | 25°25'57 | 22° 9 | 1°53 | 29°54 | 12°42 | 18°31 | 9°36 | 3°46 | 6°50 | 10°21 | 14°30 | 13° 5 | 21°55 | 29° 7 | T 12 |
| W13 | 15 41 39 | 26°23'23 | 5♈40 | 3°15 | 1♉ 7 | 12°28 | 18°44 | 9°36 | 3°46 | 6°48 | 10°20 | 14°31 | 13° 1 | 22° 1 | 29° 9 | W13 |
| T 14 | 15 45 36 | 27°20'48 | 19°39 | 4°38 | 2°19 | 12°14 | 18°56 | 9°36 | 3°45 | 6°47 | 10°19 | 14°R31 | 12°58 | 22° 8 | 29°11 | T 14 |
| F 15 | 15 49 33 | 28°18'12 | 4♉ 4 | 6° 5 | 3°32 | 11°59 | 19° 9 | 9°R36 | 3°45 | 6°45 | 10°18 | 14°29 | 12°55 | 22°15 | 29°13 | F 15 |
| S 16 | 15 53 29 | 29°15'36 | 18°52 | 7°34 | 4°44 | 11°43 | 19°22 | 9°36 | 3°44 | 6°43 | 10°17 | 14°26 | 12°52 | 22°21 | 29°15 | S 16 |
| S 17 | 15 57 26 | 0♊12'59 | 3♊56 | 9° 6 | 5°57 | 11°27 | 19°34 | 9°36 | 3°43 | 6°42 | 10°16 | 14°21 | 12°49 | 22°28 | 29°17 | S 17 |
| M18 | 16 1 22 | 1°10'21 | 19° 8 | 10°41 | 7° 9 | 11°10 | 19°47 | 9°36 | 3°43 | 6°40 | 10°15 | 14°14 | 12°46 | 22°35 | 29°19 | M18 |
| T 19 | 16 5 19 | 2° 7'42 | 4♋16 | 12°18 | 8°22 | 10°53 | 19°59 | 9°35 | 3°42 | 6°38 | 10°14 | 14° 7 | 12°42 | 22°42 | 29°21 | T 19 |
| W20 | 16 9 15 | 3° 5'03 | 19°11 | 13°58 | 9°35 | 10°36 | 20°12 | 9°35 | 3°41 | 6°37 | 10°13 | 14° 1 | 12°39 | 22°48 | 29°23 | W20 |
| T 21 | 16 13 12 | 4° 2'22 | 3♌45 | 15°41 | 10°47 | 10°18 | 20°24 | 9°35 | 3°41 | 6°35 | 10°12 | 13°56 | 12°36 | 22°55 | 29°25 | T 21 |
| F 22 | 16 17 9 | 4°59'40 | 17°55 | 17°26 | 12° 0 | 10° 0 | 20°36 | 9°34 | 3°40 | 6°34 | 10°11 | 13°52 | 12°33 | 23° 2 | 29°27 | F 22 |
| S 23 | 16 21 5 | 5°56'57 | 1♍38 | 19°14 | 13°12 | 9°42 | 20°48 | 9°33 | 3°39 | 6°32 | 10°11 | 13°D51 | 12°30 | 23° 8 | 29°29 | S 23 |
| S 24 | 16 25 2 | 6°54'13 | 14°57 | 21° 4 | 14°25 | 9°23 | 21° 0 | 9°32 | 3°38 | 6°30 | 10°10 | 13°51 | 12°26 | 23°15 | 29°31 | S 24 |
| M25 | 16 28 58 | 7°51'28 | 27°53 | 22°57 | 15°38 | 9° 4 | 21°12 | 9°32 | 3°37 | 6°29 | 10° 9 | 13°52 | 12°23 | 23°22 | 29°32 | M25 |
| T 26 | 16 32 55 | 8°48'42 | 10♎31 | 24°52 | 16°50 | 8°45 | 21°24 | 9°31 | 3°36 | 6°27 | 10° 9 | 13°R53 | 12°20 | 23°29 | 29°34 | T 26 |
| W27 | 16 36 51 | 9°45'56 | 22°54 | 26°49 | 18° 3 | 8°26 | 21°36 | 9°29 | 3°35 | 6°26 | 10° 8 | 13°52 | 12°17 | 23°35 | 29°36 | W27 |
| T 28 | 16 40 48 | 10°43'08 | 5♏ 6 | 28°49 | 19°16 | 8° 7 | 21°48 | 9°28 | 3°34 | 6°24 | 10° 7 | 13°50 | 12°14 | 23°42 | 29°37 | T 28 |
| F 29 | 16 44 44 | 11°40'20 | 17°10 | 0♊51 | 20°29 | 7°48 | 21°59 | 9°27 | 3°32 | 6°22 | 10° 7 | 13°46 | 12°11 | 23°49 | 29°39 | F 29 |
| S 30 | 16 48 41 | 12°37'32 | 29° 8 | 2°55 | 21°41 | 7°29 | 22°11 | 9°26 | 3°31 | 6°21 | 10° 6 | 13°39 | 12° 7 | 23°55 | 29°40 | S 30 |
| S 31 | 16 52 37 | 13♊34'43 | 11♐ 2 | 5♊ 0 | 22♉54 | 7♐10 | 22♈23 | 9♒24 | 3♒30 | 6♐19 | 10♎ 6 | 13♎29 | 12♎ 4 | 24♐ 2 | 29♓42 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16n23 | 12s21 | 2n 3 | 4n54 | 3s19 | 5n 0 | 1s43 | 23s51 | 1s12 | 5n19 | 1s 8 | 18s47 | 0s49 | 20s 0 | 0s37 | 20s 4 | 1n34 | 11n59 | 17n37 | 5s58 | 5s25 | 18s31 | 2n48 | 3n38 |
| S 2 | 16 40 | 15 0 | 3 0 | 5 10 | 3 21 | 5 28 | 1 42 | 23 54 | 1 16 | 5 24 | 1 8 | 18 47 | 0 50 | 20 0 | 0 37 | 20 4 | 1 34 | 11 59 | 17 37 | 5 56 | 5 24 | 18 31 | 2 49 | 3 39 |
| S 3 | 16 57 | 16 58 | 3 49 | 5 28 | 3 22 | 5 56 | 1 42 | 23 57 | 1 19 | 5 29 | 1 9 | 18 46 | 0 50 | 20 0 | 0 37 | 20 4 | 1 34 | 11 59 | 17 37 | 5 55 | 5 23 | 18 31 | 2 50 | 3 39 |
| M 4 | 17 13 | 18 11 | 4 28 | 5 47 | 3 23 | 6 23 | 1 41 | 23 59 | 1 23 | 5 34 | 1 9 | 18 46 | 0 50 | 20 0 | 0 37 | 20 4 | 1 34 | 12 0 | 17 36 | 5 52 | 5 21 | 18 31 | 2 51 | 3 39 |
| T 5 | 17 29 | 18 36 | 4 55 | 6 9 | 3 22 | 6 51 | 1 41 | 24 2 | 1 26 | 5 39 | 1 9 | 18 46 | 0 50 | 20 0 | 0 37 | 20 3 | 1 34 | 12 0 | 17 36 | 5 50 | 5 20 | 18 31 | 2 53 | 3 39 |
| W 6 | 17 45 | 18 12 | 5 9 | 6 32 | 3 21 | 7 19 | 1 40 | 24 5 | 1 30 | 5 44 | 1 9 | 18 46 | 0 50 | 20 0 | 0 37 | 20 3 | 1 34 | 12 0 | 17 36 | 5 48 | 5 19 | 18 31 | 2 54 | 3 39 |
| T 7 | 18 0 | 16 59 | 5 10 | 6 57 | 3 19 | 7 46 | 1 40 | 24 7 | 1 34 | 5 49 | 1 9 | 18 46 | 0 50 | 20 0 | 0 37 | 20 3 | 1 34 | 12 0 | 17 35 | 5 46 | 5 18 | 18 31 | 2 55 | 3 39 |
| F 8 | 18 16 | 15 2 | 4 57 | 7 23 | 3 16 | 8 13 | 1 39 | 24 10 | 1 38 | 5 54 | 1 9 | 18 46 | 0 50 | 20 1 | 0 37 | 20 3 | 1 34 | 12 0 | 17 35 | 5 45 | 5 16 | 18 31 | 2 56 | 3 39 |
| S 9 | 18 31 | 12 24 | 4 31 | 7 51 | 3 13 | 8 41 | 1 38 | 24 12 | 1 42 | 5 59 | 1 9 | 18 46 | 0 51 | 20 1 | 0 37 | 20 2 | 1 34 | 12 0 | 17 34 | 5 44 | 5 15 | 18 31 | 2 57 | 3 39 |
| S 10 | 18 45 | 9 10 | 3 52 | 8 21 | 3 9 | 9 7 | 1 37 | 24 14 | 1 45 | 6 4 | 1 9 | 18 46 | 0 51 | 20 1 | 0 37 | 20 2 | 1 34 | 12 0 | 17 34 | 5 44 | 5 14 | 18 31 | 2 58 | 3 39 |
| M11 | 18 59 | 5 26 | 3 1 | 8 51 | 3 5 | 9 34 | 1 36 | 24 17 | 1 49 | 6 9 | 1 9 | 18 46 | 0 51 | 20 1 | 0 37 | 20 2 | 1 34 | 12 0 | 17 34 | 5 44 | 5 13 | 18 32 | 2 59 | 3 39 |
| T 12 | 19 13 | 1 19 | 1 58 | 9 23 | 3 0 | 10 1 | 1 35 | 24 19 | 1 53 | 6 14 | 1 9 | 18 46 | 0 51 | 20 1 | 0 37 | 20 1 | 1 34 | 12 0 | 17 33 | 5 45 | 5 11 | 18 32 | 3 0 | 3 40 |
| W13 | 19 27 | 3n 0 | 0 48 | 9 56 | 2 54 | 10 27 | 1 34 | 24 21 | 1 57 | 6 18 | 1 9 | 18 46 | 0 51 | 20 1 | 0 37 | 20 1 | 1 34 | 12 0 | 17 33 | 5 45 | 5 10 | 18 32 | 3 1 | 3 40 |
| T 14 | 19 40 | 7 18 | 0s28 | 10 30 | 2 47 | 10 53 | 1 33 | 24 23 | 2 1 | 6 23 | 1 9 | 18 46 | 0 51 | 20 1 | 0 37 | 20 1 | 1 34 | 12 0 | 17 32 | 5 45 | 5 9 | 18 32 | 3 2 | 3 40 |
| F 15 | 19 53 | 11 19 | 1 44 | 11 6 | 2 41 | 11 19 | 1 32 | 24 24 | 2 5 | 6 28 | 1 9 | 18 46 | 0 52 | 20 1 | 0 37 | 20 1 | 1 34 | 12 0 | 17 32 | 5 44 | 5 8 | 18 32 | 3 3 | 3 40 |
| S 16 | 20 6 | 14 43 | 2 55 | 11 42 | 2 33 | 11 45 | 1 31 | 24 26 | 2 9 | 6 33 | 1 10 | 18 46 | 0 52 | 20 2 | 0 37 | 20 0 | 1 34 | 12 0 | 17 31 | 5 43 | 5 6 | 18 32 | 3 4 | 3 40 |
| S 17 | 20 18 | 17 12 | 3 55 | 12 19 | 2 25 | 12 10 | 1 29 | 24 28 | 2 12 | 6 37 | 1 10 | 18 47 | 0 52 | 20 2 | 0 37 | 20 0 | 1 34 | 12 0 | 17 31 | 5 41 | 5 5 | 18 32 | 3 5 | 3 40 |
| M18 | 20 30 | 18 29 | 4 39 | 12 56 | 2 17 | 12 35 | 1 28 | 24 29 | 2 16 | 6 42 | 1 10 | 18 47 | 0 52 | 20 2 | 0 37 | 20 0 | 1 34 | 12 0 | 17 31 | 5 39 | 5 4 | 18 32 | 3 6 | 3 40 |
| T 19 | 20 42 | 18 27 | 5 3 | 13 35 | 2 8 | 13 0 | 1 26 | 24 31 | 2 20 | 6 47 | 1 10 | 18 47 | 0 52 | 20 2 | 0 37 | 20 0 | 1 34 | 12 0 | 17 30 | 5 36 | 5 3 | 18 32 | 3 6 | 3 40 |
| W20 | 20 53 | 17 8 | 5 6 | 14 14 | 1 59 | 13 25 | 1 25 | 24 32 | 2 24 | 6 51 | 1 10 | 18 47 | 0 52 | 20 2 | 0 37 | 19 59 | 1 34 | 12 0 | 17 30 | 5 33 | 5 1 | 18 32 | 3 7 | 3 40 |
| T 21 | 21 4 | 14 43 | 4 50 | 14 53 | 1 49 | 13 49 | 1 23 | 24 33 | 2 28 | 6 56 | 1 10 | 18 48 | 0 53 | 20 3 | 0 38 | 19 59 | 1 34 | 12 0 | 17 29 | 5 31 | 5 0 | 18 32 | 3 8 | 3 41 |
| F 22 | 21 15 | 11 30 | 4 15 | 15 32 | 1 39 | 14 13 | 1 22 | 24 34 | 2 32 | 7 0 | 1 10 | 18 48 | 0 53 | 20 3 | 0 38 | 19 59 | 1 34 | 12 0 | 17 29 | 5 30 | 4 59 | 18 32 | 3 9 | 3 41 |
| S 23 | 21 25 | 7 43 | 3 27 | 16 12 | 1 29 | 14 37 | 1 20 | 24 35 | 2 35 | 7 5 | 1 10 | 18 48 | 0 53 | 20 3 | 0 38 | 19 59 | 1 34 | 11 59 | 17 28 | 5 30 | 4 58 | 18 32 | 3 10 | 3 41 |
| S 24 | 21 35 | 3 40 | 2 29 | 16 52 | 1 18 | 15 0 | 1 18 | 24 36 | 2 39 | 7 9 | 1 10 | 18 49 | 0 53 | 20 3 | 0 38 | 19 58 | 1 34 | 11 59 | 17 28 | 5 30 | 4 56 | 18 32 | 3 11 | 3 41 |
| M25 | 21 44 | 0s27 | 1 25 | 17 31 | 1 7 | 15 23 | 1 17 | 24 36 | 2 43 | 7 14 | 1 11 | 18 49 | 0 53 | 20 4 | 0 38 | 19 58 | 1 34 | 11 59 | 17 27 | 5 30 | 4 55 | 18 32 | 3 12 | 3 41 |
| T 26 | 21 53 | 4 28 | 0 18 | 18 10 | 0 56 | 15 46 | 1 15 | 24 37 | 2 46 | 7 18 | 1 11 | 18 50 | 0 53 | 20 4 | 0 38 | 19 58 | 1 34 | 11 59 | 17 27 | 5 30 | 4 54 | 18 32 | 3 12 | 3 41 |
| W27 | 22 2 | 8 12 | 0n48 | 18 49 | 0 45 | 16 8 | 1 13 | 24 37 | 2 50 | 7 22 | 1 11 | 18 50 | 0 54 | 20 4 | 0 38 | 19 57 | 1 34 | 11 59 | 17 26 | 5 30 | 4 53 | 18 32 | 3 13 | 3 41 |
| T 28 | 22 10 | 11 33 | 1 51 | 19 27 | 0 34 | 16 30 | 1 11 | 24 38 | 2 53 | 7 27 | 1 11 | 18 50 | 0 54 | 20 4 | 0 38 | 19 57 | 1 34 | 11 58 | 17 26 | 5 29 | 4 51 | 18 33 | 3 14 | 3 41 |
| F 29 | 22 18 | 14 21 | 2 48 | 20 4 | 0 23 | 16 51 | 1 9 | 24 38 | 2 57 | 7 31 | 1 11 | 18 51 | 0 54 | 20 5 | 0 38 | 19 57 | 1 34 | 11 58 | 17 25 | 5 27 | 4 50 | 18 33 | 3 15 | 3 42 |
| S 30 | 22 26 | 16 32 | 3 37 | 20 40 | 0 12 | 17 12 | 1 7 | 24 38 | 3 0 | 7 35 | 1 11 | 18 51 | 0 54 | 20 5 | 0 38 | 19 57 | 1 34 | 11 58 | 17 25 | 5 25 | 4 49 | 18 33 | 3 15 | 3 42 |
| S 31 | 22n33 | 17s59 | 4n17 | 21n14 | 0s 1 | 17n33 | 1s 5 | 24s38 | 3s 3 | 7n39 | 1s11 | 18s52 | 0s54 | 20s 5 | 0s38 | 19s56 | 1n34 | 11n58 | 17n24 | 5s21 | 4s48 | 18s33 | 3n16 | 3n42 |

Julian Day Number = 2083140.5, Delta T = 25m06s
Ecliptic obliquity = 23°34'03, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'55, Lahiri = 9°47'55 Julian Calendar 1 May 991 == Greg. Calendar 6 May 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## JUNE 991 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 56 34 | 14♊31'53 | 22♐55 | 7♊ 7 | 24♉ 7 | 6°R51 | 22♈34 | 9°R23 | 3°R29 | 6°R17 | 10°R 5 | 13°R18 | 12♎ 1 | 24♐ 9 | 29♓43 | M 1 |
| T 2 | 17 0 31 | 15°29'04 | 4♑47 | 9°16 | 25°20 | 6♐32 | 22°45 | 9♒21 | 3♒27 | 6♐16 | 10♎ 5 | 13♎ 7 | 11°58 | 24°16 | 29°44 | T 2 |
| W 3 | 17 4 27 | 16°26'14 | 16°41 | 11°25 | 26°33 | 6°14 | 22°56 | 9°19 | 3°26 | 6°14 | 10° 4 | 12°56 | 11°55 | 24°22 | 29°46 | W 3 |
| T 4 | 17 8 24 | 17°23'23 | 28°38 | 13°36 | 27°46 | 5°56 | 23° 8 | 9°17 | 3°25 | 6°13 | 10° 4 | 12°46 | 11°52 | 24°29 | 29°47 | T 4 |
| F 5 | 17 12 20 | 18°20'33 | 10♒40 | 15°46 | 28°58 | 5°38 | 23°19 | 9°16 | 3°23 | 6°11 | 10° 4 | 12°38 | 11°48 | 24°36 | 29°48 | F 5 |
| S 6 | 17 16 17 | 19°17'42 | 22°51 | 17°58 | 0♊11 | 5°20 | 23°30 | 9°14 | 3°22 | 6°10 | 10° 3 | 12°32 | 11°45 | 24°42 | 29°49 | S 6 |
| S 7 | 17 20 13 | 20°14'52 | 5♓15 | 20° 9 | 1°24 | 5° 3 | 23°40 | 9°11 | 3°20 | 6° 8 | 10° 3 | 12°29 | 11°42 | 24°49 | 29°51 | S 7 |
| M 8 | 17 24 10 | 21°12'02 | 17°54 | 22°19 | 2°37 | 4°46 | 23°51 | 9° 9 | 3°19 | 6° 6 | 10° 3 | 12°D28 | 11°39 | 24°56 | 29°52 | M 8 |
| T 9 | 17 28 7 | 22° 9'11 | 0♈54 | 24°30 | 3°50 | 4°30 | 24° 2 | 9° 7 | 3°17 | 6° 5 | 10° 2 | 12°28 | 11°36 | 25° 3 | 29°53 | T 9 |
| W10 | 17 32 3 | 23° 6'21 | 14°19 | 26°39 | 5° 3 | 4°14 | 24°12 | 9° 5 | 3°16 | 6° 3 | 10° 2 | 12°R29 | 11°32 | 25° 9 | 29°54 | W10 |
| T 11 | 17 36 0 | 24° 3'31 | 28°10 | 28°48 | 6°16 | 3°58 | 24°23 | 9° 2 | 3°14 | 6° 2 | 10° 2 | 12°28 | 11°29 | 25°16 | 29°55 | T 11 |
| F 12 | 17 39 56 | 25° 0'41 | 12♉30 | 0♋55 | 7°29 | 3°44 | 24°33 | 9° 0 | 3°12 | 6° 0 | 10° 2 | 12°25 | 11°26 | 25°23 | 29°55 | F 12 |
| S 13 | 17 43 53 | 25°57'52 | 27°16 | 3° 1 | 8°42 | 3°29 | 24°43 | 8°57 | 3°10 | 5°59 | 10° 2 | 12°20 | 11°23 | 25°29 | 29°56 | S 13 |
| S 14 | 17 47 49 | 26°55'03 | 12♊22 | 5° 5 | 9°55 | 3°16 | 24°53 | 8°54 | 3° 9 | 5°57 | 10° 2 | 12°12 | 11°20 | 25°36 | 29°57 | S 14 |
| M15 | 17 51 46 | 27°52'13 | 27°39 | 7° 8 | 11° 9 | 3° 3 | 25° 3 | 8°52 | 3° 7 | 5°56 | 10°D 2 | 12° 2 | 11°17 | 25°43 | 29°58 | M15 |
| T 16 | 17 55 42 | 28°49'24 | 12♋56 | 9° 9 | 12°22 | 2°51 | 25°13 | 8°49 | 3° 5 | 5°54 | 10° 2 | 11°52 | 11°13 | 25°50 | 29°58 | T 16 |
| W17 | 17 59 39 | 29°46'35 | 28° 3 | 11° 9 | 13°35 | 2°39 | 25°23 | 8°46 | 3° 3 | 5°53 | 10° 2 | 11°42 | 11°10 | 25°56 | 29°59 | W17 |
| T 18 | 18 3 36 | 0♋43'46 | 12♌49 | 13° 6 | 14°48 | 2°28 | 25°33 | 8°43 | 3° 1 | 5°51 | 10° 2 | 11°34 | 11° 7 | 26° 3 | 29°59 | T 18 |
| F 19 | 18 7 32 | 1°40'57 | 27° 9 | 15° 2 | 16° 1 | 2°18 | 25°42 | 8°40 | 2°59 | 5°50 | 10° 2 | 11°28 | 11° 4 | 26°10 | 0♈ 0 | F 19 |
| S 20 | 18 11 29 | 2°38'08 | 10♍59 | 16°56 | 17°15 | 2° 9 | 25°52 | 8°37 | 2°58 | 5°49 | 10° 2 | 11°24 | 11° 1 | 26°17 | 0° 0 | S 20 |
| S 21 | 18 15 25 | 3°35'18 | 24°21 | 18°48 | 18°28 | 2° 1 | 26° 1 | 8°34 | 2°56 | 5°47 | 10° 2 | 11°23 | 10°57 | 26°23 | 0° 1 | S 21 |
| M22 | 18 19 22 | 4°32'29 | 7♎17 | 20°38 | 19°41 | 1°53 | 26°10 | 8°30 | 2°54 | 5°46 | 10° 2 | 11°23 | 10°54 | 26°30 | 0° 1 | M22 |
| T 23 | 18 23 18 | 5°29'40 | 19°51 | 22°26 | 20°54 | 1°47 | 26°19 | 8°27 | 2°52 | 5°45 | 10° 3 | 11°23 | 10°51 | 26°37 | 0° 2 | T 23 |
| W24 | 18 27 15 | 6°26'50 | 2♏ 9 | 24°12 | 22° 8 | 1°41 | 26°28 | 8°24 | 2°50 | 5°43 | 10° 3 | 11°22 | 10°48 | 26°43 | 0° 2 | W24 |
| T 25 | 18 31 11 | 7°24'01 | 14°15 | 25°57 | 23°21 | 1°35 | 26°37 | 8°20 | 2°47 | 5°42 | 10° 3 | 11°18 | 10°45 | 26°50 | 0° 2 | T 25 |
| F 26 | 18 35 8 | 8°21'12 | 26°13 | 27°39 | 24°34 | 1°31 | 26°45 | 8°17 | 2°45 | 5°41 | 10° 4 | 11°13 | 10°42 | 26°57 | 0° 2 | F 26 |
| S 27 | 18 39 5 | 9°18'24 | 8♐ 6 | 29°20 | 25°48 | 1°28 | 26°54 | 8°13 | 2°43 | 5°39 | 10° 4 | 11° 4 | 10°38 | 27° 4 | 0° 2 | S 27 |
| S 28 | 18 43 1 | 10°15'36 | 19°58 | 0♌58 | 27° 1 | 1°25 | 27° 2 | 8° 9 | 2°41 | 5°38 | 10° 4 | 10°53 | 10°35 | 27°10 | 0°R 2 | S 28 |
| M29 | 18 46 58 | 11°12'48 | 1♑50 | 2°35 | 28°15 | 1°23 | 27°11 | 8° 6 | 2°39 | 5°37 | 10° 5 | 10°40 | 10°32 | 27°17 | 0° 2 | M29 |
| T 30 | 18 50 54 | 12♋10'00 | 13♑45 | 4♌10 | 29♊28 | 1♐23 | 27♈19 | 8♒ 2 | 2♒37 | 5♐36 | 10♎ 5 | 10♎26 | 10♎29 | 27♐24 | 0♈ 2 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n40 | 18s39 | 4n44 | 21n47 | 0n10 | 17n53 | 1s 3 | 24s38 | 3s 6 | 7n43 | 1s11 | 18s53 | 0s54 | 20s 6 | 0s38 | 19s56 | 1n34 | 11n57 | 17n23 | 5s17 | 4s47 | 18s33 | 3n17 | 3n42 |
| T 2 | 22 46 | 18 29 | 5 0 | 22 18 | 0 21 | 18 13 | 1 1 | 24 38 | 3 9 | 7 47 | 1 12 | 18 53 | 0 55 | 20 6 | 0 38 | 19 56 | 1 34 | 11 57 | 17 23 | 5 12 | 4 45 | 18 33 | 3 17 | 3 42 |
| W 3 | 22 52 | 17 31 | 5 2 | 22 47 | 0 31 | 18 32 | 0 59 | 24 37 | 3 12 | 7 51 | 1 12 | 18 54 | 0 55 | 20 6 | 0 38 | 19 56 | 1 34 | 11 57 | 17 22 | 5 8 | 4 44 | 18 33 | 3 18 | 3 42 |
| T 4 | 22 58 | 15 47 | 4 52 | 23 14 | 0 41 | 18 51 | 0 57 | 24 37 | 3 15 | 7 55 | 1 12 | 18 54 | 0 55 | 20 7 | 0 38 | 19 55 | 1 34 | 11 56 | 17 22 | 5 4 | 4 43 | 18 33 | 3 19 | 3 42 |
| F 5 | 23 3 | 13 21 | 4 28 | 23 38 | 0 50 | 19 9 | 0 55 | 24 37 | 3 18 | 7 59 | 1 12 | 18 55 | 0 55 | 20 7 | 0 38 | 19 55 | 1 34 | 11 56 | 17 21 | 5 1 | 4 42 | 18 33 | 3 19 | 3 43 |
| S 6 | 23 8 | 10 19 | 3 52 | 24 0 | 0 59 | 19 27 | 0 52 | 24 36 | 3 21 | 8 3 | 1 12 | 18 56 | 0 55 | 20 7 | 0 38 | 19 55 | 1 34 | 11 56 | 17 21 | 4 59 | 4 40 | 18 33 | 3 20 | 3 43 |
| S 7 | 23 12 | 6 47 | 3 4 | 24 19 | 1 7 | 19 44 | 0 50 | 24 36 | 3 24 | 8 7 | 1 12 | 18 57 | 0 55 | 20 8 | 0 38 | 19 55 | 1 34 | 11 55 | 17 20 | 4 58 | 4 39 | 18 33 | 3 20 | 3 43 |
| M 8 | 23 16 | 2 52 | 2 7 | 24 36 | 1 15 | 20 1 | 0 48 | 24 35 | 3 26 | 8 11 | 1 12 | 18 57 | 0 56 | 20 8 | 0 38 | 19 54 | 1 34 | 11 55 | 17 20 | 4 57 | 4 38 | 18 33 | 3 21 | 3 43 |
| T 9 | 23 20 | 1n18 | 1 1 | 24 49 | 1 22 | 20 17 | 0 46 | 24 34 | 3 29 | 8 15 | 1 12 | 18 58 | 0 56 | 20 9 | 0 38 | 19 54 | 1 34 | 11 54 | 17 19 | 4 57 | 4 37 | 18 33 | 3 22 | 3 43 |
| W10 | 23 23 | 5 31 | 0s10 | 25 0 | 1 29 | 20 33 | 0 43 | 24 34 | 3 31 | 8 19 | 1 13 | 18 59 | 0 56 | 20 9 | 0 38 | 19 54 | 1 34 | 11 54 | 17 18 | 4 57 | 4 35 | 18 33 | 3 22 | 3 43 |
| T 11 | 23 26 | 9 36 | 1 22 | 25 8 | 1 34 | 20 48 | 0 41 | 24 33 | 3 33 | 8 22 | 1 13 | 19 0 | 0 56 | 20 9 | 0 38 | 19 54 | 1 34 | 11 53 | 17 18 | 4 57 | 4 34 | 18 33 | 3 23 | 3 43 |
| F 12 | 23 28 | 13 15 | 2 32 | 25 13 | 1 39 | 21 3 | 0 39 | 24 32 | 3 36 | 8 26 | 1 13 | 19 0 | 0 56 | 20 10 | 0 38 | 19 53 | 1 34 | 11 53 | 17 17 | 4 56 | 4 33 | 18 33 | 3 23 | 3 44 |
| S 13 | 23 30 | 16 11 | 3 34 | 25 15 | 1 43 | 21 17 | 0 36 | 24 31 | 3 38 | 8 30 | 1 13 | 19 1 | 0 56 | 20 10 | 0 38 | 19 53 | 1 33 | 11 52 | 17 17 | 4 54 | 4 32 | 18 33 | 3 24 | 3 44 |
| S 14 | 23 32 | 18 4 | 4 22 | 25 15 | 1 47 | 21 30 | 0 34 | 24 31 | 3 40 | 8 33 | 1 13 | 19 2 | 0 56 | 20 11 | 0 38 | 19 53 | 1 33 | 11 52 | 17 16 | 4 51 | 4 30 | 18 33 | 3 24 | 3 44 |
| M15 | 23 33 | 18 41 | 4 52 | 25 12 | 1 49 | 21 43 | 0 31 | 24 30 | 3 42 | 8 37 | 1 13 | 19 3 | 0 57 | 20 11 | 0 38 | 19 53 | 1 33 | 11 51 | 17 16 | 4 47 | 4 29 | 18 33 | 3 24 | 3 44 |
| T 16 | 23 34 | 17 56 | 5 1 | 25 6 | 1 51 | 21 55 | 0 29 | 24 29 | 3 43 | 8 40 | 1 14 | 19 4 | 0 57 | 20 12 | 0 38 | 19 52 | 1 33 | 11 51 | 17 15 | 4 43 | 4 28 | 18 33 | 3 25 | 3 44 |
| W17 | 23 34 | 15 56 | 4 49 | 24 58 | 1 53 | 22 7 | 0 26 | 24 29 | 3 45 | 8 44 | 1 14 | 19 5 | 0 57 | 20 12 | 0 38 | 19 52 | 1 33 | 11 50 | 17 14 | 4 39 | 4 27 | 18 32 | 3 25 | 3 44 |
| T 18 | 23 34 | 12 56 | 4 18 | 24 48 | 1 53 | 22 18 | 0 24 | 24 28 | 3 47 | 8 47 | 1 14 | 19 6 | 0 57 | 20 13 | 0 38 | 19 52 | 1 33 | 11 50 | 17 14 | 4 36 | 4 25 | 18 32 | 3 26 | 3 44 |
| F 19 | 23 33 | 9 13 | 3 31 | 24 35 | 1 53 | 22 28 | 0 22 | 24 27 | 3 48 | 8 50 | 1 14 | 19 7 | 0 57 | 20 13 | 0 38 | 19 52 | 1 33 | 11 49 | 17 13 | 4 33 | 4 24 | 18 32 | 3 26 | 3 45 |
| S 20 | 23 32 | 5 7 | 2 33 | 24 21 | 1 53 | 22 38 | 0 19 | 24 27 | 3 49 | 8 54 | 1 14 | 19 8 | 0 57 | 20 13 | 0 38 | 19 52 | 1 33 | 11 49 | 17 13 | 4 32 | 4 23 | 18 32 | 3 26 | 3 45 |
| S 21 | 23 31 | 0 54 | 1 29 | 24 5 | 1 51 | 22 47 | 0 17 | 24 26 | 3 51 | 8 57 | 1 14 | 19 9 | 0 58 | 20 14 | 0 38 | 19 51 | 1 33 | 11 48 | 17 12 | 4 32 | 4 22 | 18 32 | 3 26 | 3 45 |
| M22 | 23 29 | 3s14 | 0 22 | 23 46 | 1 49 | 22 56 | 0 14 | 24 26 | 3 52 | 9 0 | 1 15 | 19 10 | 0 58 | 20 14 | 0 38 | 19 51 | 1 33 | 11 47 | 17 12 | 4 32 | 4 20 | 18 32 | 3 27 | 3 45 |
| T 23 | 23 27 | 7 7 | 0n45 | 23 27 | 1 47 | 23 4 | 0 12 | 24 26 | 3 53 | 9 3 | 1 15 | 19 11 | 0 58 | 20 15 | 0 38 | 19 51 | 1 33 | 11 47 | 17 11 | 4 32 | 4 19 | 18 32 | 3 27 | 3 45 |
| W24 | 23 25 | 10 36 | 1 48 | 23 5 | 1 44 | 23 11 | 0 9 | 24 26 | 3 54 | 9 6 | 1 15 | 19 12 | 0 58 | 20 15 | 0 38 | 19 51 | 1 33 | 11 46 | 17 10 | 4 31 | 4 18 | 18 32 | 3 27 | 3 45 |
| T 25 | 23 22 | 13 35 | 2 44 | 22 42 | 1 40 | 23 17 | 0 7 | 24 25 | 3 55 | 9 9 | 1 15 | 19 13 | 0 58 | 20 16 | 0 39 | 19 51 | 1 33 | 11 46 | 17 10 | 4 30 | 4 17 | 18 32 | 3 27 | 3 46 |
| F 26 | 23 18 | 15 57 | 3 33 | 22 18 | 1 36 | 23 23 | 0 4 | 24 25 | 3 56 | 9 12 | 1 15 | 19 14 | 0 58 | 20 16 | 0 39 | 19 50 | 1 33 | 11 45 | 17 9 | 4 27 | 4 15 | 18 32 | 3 28 | 3 46 |
| S 27 | 23 14 | 17 37 | 4 12 | 21 53 | 1 31 | 23 28 | 0 2 | 24 25 | 3 57 | 9 15 | 1 15 | 19 15 | 0 58 | 20 17 | 0 39 | 19 50 | 1 33 | 11 44 | 17 9 | 4 24 | 4 14 | 18 32 | 3 28 | 3 46 |
| S 28 | 23 10 | 18 32 | 4 40 | 21 26 | 1 26 | 23 33 | 0n 1 | 24 26 | 3 57 | 9 18 | 1 16 | 19 16 | 0 59 | 20 17 | 0 39 | 19 50 | 1 33 | 11 44 | 17 8 | 4 20 | 4 13 | 18 32 | 3 28 | 3 46 |
| M29 | 23 5 | 18 37 | 4 56 | 20 59 | 1 20 | 23 37 | 0 3 | 24 26 | 3 58 | 9 21 | 1 16 | 19 17 | 0 59 | 20 18 | 0 39 | 19 50 | 1 33 | 11 43 | 17 8 | 4 15 | 4 12 | 18 32 | 3 28 | 3 46 |
| T 30 | 23n 0 | 17s54 | 4n59 | 20n31 | 1n14 | 23n40 | 0n 6 | 24s26 | 3s59 | 9n23 | 1s16 | 19s18 | 0s59 | 20s18 | 0s39 | 19s50 | 1n33 | 11n42 | 17n 7 | 4s 9 | 4s10 | 18s32 | 3n28 | 3n46 |

Julian Day Number = 2083171.5, Delta T = 25m06s
Ecliptic obliquity = 23°34'02, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°40'59, Lahiri = 9°48'00 Julian Calendar 1 June 991 == Greg. Calendar 6 June 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## JULY 991 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 54 51 | 13♋ 7'14 | 25♉43 | 5♌42 | 0♋41 | 1°D22 | 27♈27 | 7°R58 | 2°R35 | 5°R34 | 10♎ 6 | 10°R12 | 10♎26 | 27♐30 | 0°R 2 | W 1 |
| T 2 | 18 58 47 | 14° 4'27 | 7♒46 | 7°13 | 1°55 | 1♐23 | 27°35 | 7♒54 | 2♒32 | 5♐33 | 10° 6 | 10♎ 0 | 10°23 | 27°37 | 0♈ 2 | T 2 |
| F 3 | 19 2 44 | 15° 1'42 | 19°56 | 8°42 | 3° 9 | 1°25 | 27°42 | 7°50 | 2°30 | 5°32 | 10° 7 | 9°50 | 10°19 | 27°44 | 0° 2 | F 3 |
| S 4 | 19 6 40 | 15°58'57 | 2♓14 | 10° 9 | 4°22 | 1°27 | 27°50 | 7°46 | 2°28 | 5°31 | 10° 8 | 9°43 | 10°16 | 27°51 | 0° 1 | S 4 |
| S 5 | 19 10 37 | 16°56'13 | 14°42 | 11°34 | 5°36 | 1°30 | 27°57 | 7°42 | 2°26 | 5°30 | 10° 8 | 9°39 | 10°13 | 27°57 | 0° 1 | S 5 |
| M 6 | 19 14 34 | 17°53'30 | 27°25 | 12°57 | 6°49 | 1°35 | 28° 5 | 7°38 | 2°23 | 5°29 | 10° 9 | 9°37 | 10°10 | 28° 4 | 0° 1 | M 6 |
| T 7 | 19 18 30 | 18°50'49 | 10♈25 | 14°18 | 8° 3 | 1°39 | 28°12 | 7°34 | 2°21 | 5°28 | 10°10 | 9°D37 | 10° 7 | 28°11 | 0° 0 | T 7 |
| W 8 | 19 22 27 | 19°48'08 | 23°45 | 15°37 | 9°17 | 1°45 | 28°19 | 7°30 | 2°19 | 5°26 | 10°10 | 9°R37 | 10° 3 | 28°17 | 29♓59 | W 8 |
| T 9 | 19 26 23 | 20°45'28 | 7♉29 | 16°54 | 10°30 | 1°51 | 28°26 | 7°26 | 2°16 | 5°25 | 10°11 | 9°36 | 10° 0 | 28°24 | 29°59 | T 9 |
| F 10 | 19 30 20 | 21°42'50 | 21°38 | 18° 9 | 11°44 | 1°59 | 28°32 | 7°22 | 2°14 | 5°24 | 10°12 | 9°33 | 9°57 | 28°31 | 29°59 | F 10 |
| S 11 | 19 34 16 | 22°40'12 | 6♊11 | 19°21 | 12°58 | 2° 7 | 28°39 | 7°17 | 2°12 | 5°23 | 10°13 | 9°28 | 9°54 | 28°38 | 29°58 | S 11 |
| S 12 | 19 38 13 | 23°37'36 | 21° 5 | 20°31 | 14°12 | 2°16 | 28°45 | 7°13 | 2° 9 | 5°23 | 10°14 | 9°21 | 9°51 | 28°44 | 29°57 | S 12 |
| M13 | 19 42 9 | 24°35'01 | 6♋12 | 21°39 | 15°25 | 2°25 | 28°52 | 7° 9 | 2° 7 | 5°22 | 10°15 | 9°11 | 9°48 | 28°51 | 29°57 | M13 |
| T 14 | 19 46 6 | 25°32'27 | 21°23 | 22°44 | 16°39 | 2°35 | 28°58 | 7° 4 | 2° 5 | 5°21 | 10°16 | 9° 1 | 9°44 | 28°58 | 29°56 | T 14 |
| W15 | 19 50 3 | 26°29'54 | 6♌28 | 23°46 | 17°53 | 2°46 | 29° 4 | 7° 0 | 2° 2 | 5°20 | 10°17 | 8°51 | 9°41 | 29° 5 | 29°55 | W15 |
| T 16 | 19 53 59 | 27°27'22 | 21°15 | 24°46 | 19° 7 | 2°58 | 29° 9 | 6°56 | 2° 0 | 5°19 | 10°18 | 8°43 | 9°38 | 29°11 | 29°54 | T 16 |
| F 17 | 19 57 56 | 28°24'51 | 5♍39 | 25°43 | 20°21 | 3°11 | 29°15 | 6°51 | 1°57 | 5°18 | 10°19 | 8°37 | 9°35 | 29°18 | 29°53 | F 17 |
| S 18 | 20 1 52 | 29°22'21 | 19°34 | 26°37 | 21°35 | 3°24 | 29°20 | 6°47 | 1°55 | 5°17 | 10°20 | 8°33 | 9°32 | 29°25 | 29°52 | S 18 |
| S 19 | 20 5 49 | 0♌19'52 | 3♎ 1 | 27°29 | 22°49 | 3°38 | 29°25 | 6°42 | 1°53 | 5°17 | 10°21 | 8°D32 | 9°29 | 29°31 | 29°51 | S 19 |
| M20 | 20 9 45 | 1°17'23 | 16° 1 | 28°16 | 24° 3 | 3°53 | 29°31 | 6°38 | 1°50 | 5°16 | 10°22 | 8°32 | 9°25 | 29°38 | 29°50 | M20 |
| T 21 | 20 13 42 | 2°14'55 | 28°37 | 29° 1 | 25°17 | 4° 8 | 29°35 | 6°33 | 1°48 | 5°15 | 10°23 | 8°R32 | 9°22 | 29°45 | 29°49 | T 21 |
| W22 | 20 17 38 | 3°12'29 | 10♏56 | 29°42 | 26°31 | 4°24 | 29°40 | 6°29 | 1°45 | 5°14 | 10°24 | 8°32 | 9°19 | 29°52 | 29°48 | W22 |
| T 23 | 20 21 35 | 4°10'03 | 23° 1 | 0♍19 | 27°45 | 4°41 | 29°45 | 6°24 | 1°43 | 5°14 | 10°26 | 8°30 | 9°16 | 29°58 | 29°47 | T 23 |
| F 24 | 20 25 32 | 5° 7'38 | 4♐57 | 0°52 | 28°59 | 4°58 | 29°49 | 6°20 | 1°41 | 5°13 | 10°27 | 8°26 | 9°13 | 0♑ 5 | 29°45 | F 24 |
| S 25 | 20 29 28 | 6° 5'15 | 16°49 | 1°20 | 0♌13 | 5°16 | 29°53 | 6°15 | 1°38 | 5°13 | 10°28 | 8°20 | 9° 9 | 0°12 | 29°44 | S 25 |
| S 26 | 20 33 25 | 7° 2'52 | 28°41 | 1°45 | 1°27 | 5°34 | 29°57 | 6°11 | 1°36 | 5°12 | 10°29 | 8°11 | 9° 6 | 0°18 | 29°43 | S 26 |
| M27 | 20 37 21 | 8° 0'31 | 10♑35 | 2° 5 | 2°41 | 5°53 | 0♉ 1 | 6° 6 | 1°33 | 5°12 | 10°31 | 8° 1 | 9° 3 | 0°25 | 29°41 | M27 |
| T 28 | 20 41 18 | 8°58'11 | 22°35 | 2°20 | 3°55 | 6°13 | 0° 5 | 6° 2 | 1°31 | 5°11 | 10°32 | 7°50 | 9° 0 | 0°32 | 29°40 | T 28 |
| W29 | 20 45 14 | 9°55'52 | 4♒40 | 2°29 | 5° 9 | 6°33 | 0° 8 | 5°57 | 1°29 | 5°11 | 10°33 | 7°39 | 8°57 | 0°39 | 29°38 | W29 |
| T 30 | 20 49 11 | 10°53'34 | 16°54 | 2°R34 | 6°23 | 6°54 | 0°11 | 5°53 | 1°26 | 5°10 | 10°35 | 7°29 | 8°54 | 0°45 | 29°37 | T 30 |
| F 31 | 20 53 7 | 11♌51'18 | 29♒16 | 2♍33 | 7♌38 | 7♐15 | 0♉15 | 5♒48 | 1♒24 | 5♐10 | 10♎36 | 7♎22 | 8♎50 | 0♑52 | 29♓35 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n55 | 16s23 | 4n49 | 20n 2 | 1n 7 | 23n42 | 0n 8 | 24s27 | 3s59 | 9n26 | 1s16 | 19s19 | 0s59 | 20s19 | 0s39 | 19s49 | 1n33 | 11n41 | 17n 6 | 4s 4 | 4s 9 | 18s32 | 3n28 | 3n46 |
| T 2 | 22 49 | 14 9 | 4 26 | 19 32 | 1 0 | 23 44 | 0 11 | 24 27 | 3 59 | 9 29 | 1 16 | 19 20 | 0 59 | 20 19 | 0 39 | 19 49 | 1 33 | 11 41 | 17 6 | 3 59 | 4 8 | 18 32 | 3 28 | 3 47 |
| F 3 | 22 43 | 11 16 | 3 50 | 19 2 | 0 53 | 23 45 | 0 13 | 24 28 | 4 0 | 9 31 | 1 17 | 19 22 | 0 59 | 20 20 | 0 39 | 19 49 | 1 33 | 11 40 | 17 5 | 3 55 | 4 7 | 18 32 | 3 28 | 3 47 |
| S 4 | 22 36 | 7 53 | 3 4 | 18 31 | 0 45 | 23 45 | 0 15 | 24 28 | 4 0 | 9 34 | 1 17 | 19 23 | 0 59 | 20 21 | 0 39 | 19 49 | 1 33 | 11 39 | 17 5 | 3 52 | 4 5 | 18 31 | 3 28 | 3 47 |
| S 5 | 22 29 | 4 6 | 2 8 | 17 59 | 0 36 | 23 45 | 0 18 | 24 29 | 4 0 | 9 36 | 1 17 | 19 24 | 0 59 | 20 21 | 0 39 | 19 49 | 1 33 | 11 38 | 17 4 | 3 51 | 4 4 | 18 31 | 3 28 | 3 47 |
| M 6 | 22 22 | 0 3 | 1 4 | 17 28 | 0 28 | 23 44 | 0 20 | 24 30 | 4 0 | 9 39 | 1 17 | 19 25 | 1 0 | 20 22 | 0 39 | 19 49 | 1 33 | 11 38 | 17 4 | 3 50 | 4 3 | 18 31 | 3 28 | 3 47 |
| T 7 | 22 14 | 4n 5 | 0s 4 | 16 56 | 0 19 | 23 42 | 0 22 | 24 31 | 4 0 | 9 41 | 1 17 | 19 26 | 1 0 | 20 22 | 0 39 | 19 49 | 1 33 | 11 37 | 17 3 | 3 50 | 4 2 | 18 31 | 3 28 | 3 47 |
| W 8 | 22 6 | 8 7 | 1 14 | 16 24 | 0 10 | 23 39 | 0 25 | 24 33 | 4 0 | 9 44 | 1 17 | 19 27 | 1 0 | 20 23 | 0 39 | 19 48 | 1 33 | 11 36 | 17 2 | 3 50 | 4 0 | 18 31 | 3 28 | 3 47 |
| T 9 | 21 57 | 11 51 | 2 22 | 15 52 | 0 0 | 23 36 | 0 27 | 24 34 | 4 0 | 9 46 | 1 18 | 19 29 | 1 0 | 20 23 | 0 39 | 19 48 | 1 33 | 11 35 | 17 2 | 3 49 | 3 59 | 18 31 | 3 28 | 3 48 |
| F 10 | 21 48 | 15 0 | 3 23 | 15 19 | 0s10 | 23 32 | 0 29 | 24 35 | 4 0 | 9 48 | 1 18 | 19 30 | 1 0 | 20 24 | 0 39 | 19 48 | 1 33 | 11 34 | 17 1 | 3 48 | 3 58 | 18 31 | 3 28 | 3 48 |
| S 11 | 21 39 | 17 19 | 4 13 | 14 47 | 0 20 | 23 27 | 0 32 | 24 37 | 4 0 | 9 50 | 1 18 | 19 31 | 1 0 | 20 24 | 0 39 | 19 48 | 1 32 | 11 33 | 17 1 | 3 46 | 3 56 | 18 31 | 3 28 | 3 48 |
| S 12 | 21 29 | 18 30 | 4 47 | 14 15 | 0 30 | 23 22 | 0 34 | 24 38 | 4 0 | 9 52 | 1 18 | 19 32 | 1 0 | 20 25 | 0 39 | 19 48 | 1 32 | 11 33 | 17 0 | 3 43 | 3 55 | 18 31 | 3 28 | 3 48 |
| M13 | 21 19 | 18 24 | 5 1 | 13 44 | 0 40 | 23 16 | 0 36 | 24 40 | 4 0 | 9 54 | 1 18 | 19 33 | 1 0 | 20 25 | 0 39 | 19 48 | 1 32 | 11 32 | 17 0 | 3 40 | 3 54 | 18 31 | 3 28 | 3 48 |
| T 14 | 21 9 | 17 0 | 4 55 | 13 12 | 0 51 | 23 9 | 0 38 | 24 42 | 3 59 | 9 56 | 1 19 | 19 35 | 1 0 | 20 26 | 0 39 | 19 48 | 1 32 | 11 31 | 16 59 | 3 36 | 3 53 | 18 30 | 3 28 | 3 48 |
| W15 | 20 58 | 14 26 | 4 28 | 12 41 | 1 2 | 23 2 | 0 40 | 24 44 | 3 59 | 9 58 | 1 19 | 19 36 | 1 1 | 20 27 | 0 39 | 19 48 | 1 32 | 11 30 | 16 58 | 3 32 | 3 51 | 18 30 | 3 27 | 3 48 |
| T 16 | 20 47 | 10 58 | 3 43 | 12 11 | 1 13 | 22 54 | 0 42 | 24 46 | 3 59 | 10 0 | 1 19 | 19 37 | 1 1 | 20 27 | 0 39 | 19 47 | 1 32 | 11 29 | 16 58 | 3 28 | 3 50 | 18 30 | 3 27 | 3 49 |
| F 17 | 20 35 | 6 56 | 2 45 | 11 41 | 1 25 | 22 45 | 0 44 | 24 48 | 3 58 | 10 2 | 1 19 | 19 38 | 1 1 | 20 28 | 0 39 | 19 47 | 1 32 | 11 28 | 16 57 | 3 26 | 3 49 | 18 30 | 3 27 | 3 49 |
| S 18 | 20 23 | 2 38 | 1 39 | 11 12 | 1 36 | 22 35 | 0 46 | 24 50 | 3 58 | 10 3 | 1 20 | 19 40 | 1 1 | 20 28 | 0 39 | 19 47 | 1 32 | 11 27 | 16 57 | 3 24 | 3 48 | 18 30 | 3 27 | 3 49 |
| S 19 | 20 11 | 1s39 | 0 29 | 10 44 | 1 48 | 22 25 | 0 48 | 24 52 | 3 57 | 10 5 | 1 20 | 19 41 | 1 1 | 20 29 | 0 39 | 19 47 | 1 32 | 11 26 | 16 56 | 3 24 | 3 46 | 18 30 | 3 26 | 3 49 |
| M20 | 19 59 | 5 43 | 0n40 | 10 17 | 1 59 | 22 14 | 0 50 | 24 55 | 3 57 | 10 7 | 1 20 | 19 42 | 1 1 | 20 29 | 0 39 | 19 47 | 1 32 | 11 26 | 16 56 | 3 24 | 3 45 | 18 30 | 3 26 | 3 49 |
| T 21 | 19 46 | 9 24 | 1 45 | 9 50 | 2 11 | 22 3 | 0 52 | 24 57 | 3 56 | 10 8 | 1 20 | 19 43 | 1 1 | 20 30 | 0 39 | 19 47 | 1 32 | 11 25 | 16 55 | 3 24 | 3 44 | 18 30 | 3 26 | 3 49 |
| W22 | 19 33 | 12 36 | 2 44 | 9 25 | 2 22 | 21 51 | 0 54 | 24 59 | 3 55 | 10 10 | 1 20 | 19 44 | 1 1 | 20 30 | 0 39 | 19 47 | 1 32 | 11 24 | 16 55 | 3 24 | 3 43 | 18 29 | 3 25 | 3 49 |
| T 23 | 19 19 | 15 11 | 3 34 | 9 1 | 2 34 | 21 38 | 0 56 | 25 2 | 3 55 | 10 11 | 1 21 | 19 46 | 1 1 | 20 31 | 0 39 | 19 47 | 1 32 | 11 23 | 16 54 | 3 23 | 3 41 | 18 29 | 3 25 | 3 49 |
| F 24 | 19 5 | 17 4 | 4 14 | 8 39 | 2 45 | 21 25 | 0 58 | 25 4 | 3 54 | 10 12 | 1 21 | 19 47 | 1 1 | 20 31 | 0 39 | 19 47 | 1 32 | 11 22 | 16 54 | 3 22 | 3 40 | 18 29 | 3 25 | 3 50 |
| S 25 | 18 51 | 18 13 | 4 43 | 8 18 | 2 57 | 21 11 | 0 59 | 25 7 | 3 53 | 10 14 | 1 21 | 19 48 | 1 2 | 20 32 | 0 39 | 19 47 | 1 32 | 11 21 | 16 53 | 3 19 | 3 39 | 18 29 | 3 24 | 3 50 |
| S 26 | 18 37 | 18 34 | 5 0 | 7 59 | 3 8 | 20 56 | 1 1 | 25 10 | 3 53 | 10 15 | 1 21 | 19 49 | 1 2 | 20 32 | 0 39 | 19 47 | 1 32 | 11 20 | 16 53 | 3 16 | 3 38 | 18 29 | 3 24 | 3 50 |
| M27 | 18 22 | 18 6 | 5 3 | 7 42 | 3 19 | 20 41 | 1 3 | 25 12 | 3 52 | 10 16 | 1 21 | 19 51 | 1 2 | 20 33 | 0 39 | 19 47 | 1 32 | 11 19 | 16 52 | 3 12 | 3 36 | 18 29 | 3 23 | 3 50 |
| T 28 | 18 7 | 16 50 | 4 54 | 7 27 | 3 29 | 20 25 | 1 4 | 25 15 | 3 51 | 10 17 | 1 22 | 19 52 | 1 2 | 20 34 | 0 39 | 19 47 | 1 32 | 11 18 | 16 52 | 3 7 | 3 35 | 18 29 | 3 23 | 3 50 |
| W29 | 17 51 | 14 49 | 4 31 | 7 14 | 3 40 | 20 8 | 1 6 | 25 18 | 3 50 | 10 18 | 1 22 | 19 53 | 1 2 | 20 34 | 0 39 | 19 47 | 1 32 | 11 17 | 16 51 | 3 3 | 3 34 | 18 28 | 3 22 | 3 50 |
| T 30 | 17 36 | 12 7 | 3 56 | 7 3 | 3 49 | 19 51 | 1 7 | 25 21 | 3 49 | 10 19 | 1 22 | 19 54 | 1 2 | 20 35 | 0 39 | 19 47 | 1 32 | 11 16 | 16 51 | 2 59 | 3 33 | 18 28 | 3 22 | 3 50 |
| F 31 | 17n20 | 8s51 | 3n 9 | 6n55 | 3s58 | 19n34 | 1n 9 | 25s24 | 3s49 | 10n20 | 1s22 | 19s55 | 1s 2 | 20s35 | 0s39 | 19s47 | 1n31 | 11n15 | 16n50 | 2s56 | 3s31 | 18s28 | 3n21 | 3n50 |

Julian Day Number = 2083201.5, Delta T = 25m05s
Ecliptic obliquity = 23°34'02, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'03, Lahiri = 9°48'04 Julian Calendar 1 July 991 == Greg. Calendar 6 July 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## AUGUST 991 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 57 4 | 12♌49'04 | 11♓47 | 2°R26 | 8♌52 | 7♐37 | 0♉18 | 5°R44 | 1°R22 | 5°R 9 | 10♎38 | 7°R16 | 8♎47 | 0♑59 | 29°R34 | S 1 |
| S 2 | 21 1 1 | 13°46'51 | 24°29 | 2♍14 | 10° 6 | 8° 0 | 0°20 | 5♒39 | 1♒19 | 5♐ 9 | 10°39 | 7♎13 | 8°44 | 1° 6 | 29♓32 | S 2 |
| M 3 | 21 4 57 | 14°44'40 | 7♈24 | 1°56 | 11°20 | 8°23 | 0°23 | 5°35 | 1°17 | 5° 9 | 10°41 | 7°D13 | 8°41 | 1°12 | 29°30 | M 3 |
| T 4 | 21 8 54 | 15°42'30 | 20°32 | 1°32 | 12°35 | 8°46 | 0°25 | 5°31 | 1°15 | 5° 8 | 10°42 | 7°13 | 8°38 | 1°19 | 29°29 | T 4 |
| W 5 | 21 12 50 | 16°40'23 | 3♉56 | 1° 2 | 13°49 | 9°10 | 0°27 | 5°26 | 1°12 | 5° 8 | 10°44 | 7°14 | 8°35 | 1°26 | 29°27 | W 5 |
| T 6 | 21 16 47 | 17°38'17 | 17°38 | 0°26 | 15° 3 | 9°34 | 0°29 | 5°22 | 1°10 | 5° 8 | 10°46 | 7°R15 | 8°31 | 1°32 | 29°25 | T 6 |
| F 7 | 21 20 43 | 18°36'13 | 1♊39 | 29♌46 | 16°18 | 9°59 | 0°31 | 5°18 | 1° 8 | 5° 8 | 10°47 | 7°14 | 8°28 | 1°39 | 29°23 | F 7 |
| S 8 | 21 24 40 | 19°34'11 | 15°59 | 29° 0 | 17°32 | 10°25 | 0°33 | 5°13 | 1° 6 | 5° 7 | 10°49 | 7°11 | 8°25 | 1°46 | 29°21 | S 8 |
| S 9 | 21 28 36 | 20°32'11 | 0♋34 | 28°11 | 18°47 | 10°51 | 0°34 | 5° 9 | 1° 3 | 5° 7 | 10°51 | 7° 7 | 8°22 | 1°53 | 29°19 | S 9 |
| M10 | 21 32 33 | 21°30'13 | 15°20 | 27°18 | 20° 1 | 11°17 | 0°35 | 5° 5 | 1° 1 | 5° 7 | 10°52 | 7° 1 | 8°19 | 1°59 | 29°17 | M10 |
| T 11 | 21 36 30 | 22°28'17 | 0♌10 | 26°23 | 21°15 | 11°44 | 0°36 | 5° 1 | 0°59 | 5° 7 | 10°54 | 6°54 | 8°15 | 2° 6 | 29°15 | T 11 |
| W12 | 21 40 26 | 23°26'23 | 14°57 | 25°26 | 22°30 | 12°11 | 0°37 | 4°56 | 0°57 | 5°D 7 | 10°56 | 6°47 | 8°12 | 2°13 | 29°13 | W12 |
| T 13 | 21 44 23 | 24°24'30 | 29°31 | 24°29 | 23°44 | 12°38 | 0°37 | 4°52 | 0°55 | 5° 7 | 10°58 | 6°42 | 8° 9 | 2°19 | 29°11 | T 13 |
| F 14 | 21 48 19 | 25°22'39 | 13♍47 | 23°33 | 24°59 | 13° 6 | 0°38 | 4°48 | 0°53 | 5° 7 | 11° 0 | 6°38 | 8° 6 | 2°26 | 29° 9 | F 14 |
| S 15 | 21 52 16 | 26°20'50 | 27°39 | 22°39 | 26°14 | 13°35 | 0°R38 | 4°44 | 0°51 | 5° 7 | 11° 1 | 6°36 | 8° 3 | 2°33 | 29° 7 | S 15 |
| S 16 | 21 56 12 | 27°19'02 | 11♎ 7 | 21°48 | 27°28 | 14° 3 | 0°38 | 4°40 | 0°49 | 5° 7 | 11° 3 | 6°D36 | 8° 0 | 2°40 | 29° 5 | S 16 |
| M17 | 22 0 9 | 28°17'16 | 24° 9 | 21° 2 | 28°43 | 14°33 | 0°38 | 4°36 | 0°46 | 5° 8 | 11° 5 | 6°37 | 7°56 | 2°46 | 29° 3 | M17 |
| T 18 | 22 4 5 | 29°15'32 | 6♏49 | 20°22 | 29°57 | 15° 2 | 0°37 | 4°32 | 0°44 | 5° 8 | 11° 7 | 6°38 | 7°53 | 2°53 | 29° 0 | T 18 |
| W19 | 22 8 2 | 0♍13'49 | 19°10 | 19°48 | 1♍12 | 15°32 | 0°37 | 4°28 | 0°42 | 5° 8 | 11° 9 | 6°40 | 7°50 | 3° 0 | 28°58 | W19 |
| T 20 | 22 11 59 | 1°12'08 | 1♐17 | 19°22 | 2°26 | 16° 2 | 0°36 | 4°25 | 0°40 | 5° 8 | 11°11 | 6°R40 | 7°47 | 3° 7 | 28°56 | T 20 |
| F 21 | 22 15 55 | 2°10'28 | 13°15 | 19° 4 | 3°41 | 16°33 | 0°35 | 4°21 | 0°39 | 5° 8 | 11°13 | 6°40 | 7°44 | 3°13 | 28°53 | F 21 |
| S 22 | 22 19 52 | 3° 8'50 | 25° 8 | 18°D55 | 4°56 | 17° 4 | 0°34 | 4°17 | 0°37 | 5° 9 | 11°15 | 6°37 | 7°41 | 3°20 | 28°51 | S 22 |
| S 23 | 22 23 48 | 4° 7'14 | 7♑ 1 | 18°56 | 6°10 | 17°35 | 0°32 | 4°14 | 0°35 | 5° 9 | 11°17 | 6°34 | 7°37 | 3°27 | 28°49 | S 23 |
| M24 | 22 27 45 | 5° 5'39 | 18°58 | 19° 5 | 7°25 | 18° 7 | 0°30 | 4°10 | 0°33 | 5° 9 | 11°19 | 6°29 | 7°34 | 3°33 | 28°46 | M24 |
| T 25 | 22 31 41 | 6° 4'06 | 1♒ 2 | 19°23 | 8°40 | 18°39 | 0°29 | 4° 7 | 0°31 | 5°10 | 11°21 | 6°24 | 7°31 | 3°40 | 28°44 | T 25 |
| W26 | 22 35 38 | 7° 2'35 | 13°15 | 19°51 | 9°54 | 19°11 | 0°27 | 4° 3 | 0°29 | 5°10 | 11°23 | 6°19 | 7°28 | 3°47 | 28°41 | W26 |
| T 27 | 22 39 34 | 8° 1'05 | 25°40 | 20°27 | 11° 9 | 19°44 | 0°24 | 4° 0 | 0°28 | 5°11 | 11°25 | 6°14 | 7°25 | 3°54 | 28°39 | T 27 |
| F 28 | 22 43 31 | 8°59'38 | 8♓17 | 21°13 | 12°24 | 20°17 | 0°22 | 3°57 | 0°26 | 5°11 | 11°27 | 6°11 | 7°21 | 4° 0 | 28°36 | F 28 |
| S 29 | 22 47 27 | 9°58'12 | 21° 7 | 22° 6 | 13°38 | 20°50 | 0°19 | 3°53 | 0°24 | 5°12 | 11°29 | 6° 8 | 7°18 | 4° 7 | 28°34 | S 29 |
| S 30 | 22 51 24 | 10°56'49 | 4♈10 | 23° 7 | 14°53 | 21°24 | 0°17 | 3°50 | 0°23 | 5°12 | 11°31 | 6°D 8 | 7°15 | 4°14 | 28°31 | S 30 |
| M31 | 22 55 21 | 11♍55'28 | 17♈25 | 24♌14 | 16♍ 8 | 21♐57 | 0♉13 | 3♒47 | 0♒21 | 5♐13 | 11♎34 | 6♎ 8 | 7♎12 | 4♑20 | 28♓29 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 17n 3 | 5s 9 | 2n12 | 6n50 | 4s 6 | 19n16 | 1n10 | 25s26 | 3s48 | 10n21 | 1s23 | 19s56 | 1s 2 | 20s36 | 0s39 | 19s47 | 1n31 | 11n14 | 16n50 | 2s54 | 3s30 | 18s28 | 3n21 | 3n50 |
| S 2 | 16 47 | 1 10 | 1 8 | 6 47 | 4 14 | 18 57 | 1 11 | 25 29 | 3 47 | 10 22 | 1 23 | 19 58 | 1 2 | 20 36 | 0 39 | 19 46 | 1 31 | 11 13 | 16 49 | 2 53 | 3 29 | 18 28 | 3 20 | 3 51 |
| M 3 | 16 30 | 2n56 | 0s 1 | 6 48 | 4 20 | 18 38 | 1 12 | 25 32 | 3 46 | 10 22 | 1 23 | 19 59 | 1 2 | 20 37 | 0 39 | 19 46 | 1 31 | 11 12 | 16 49 | 2 53 | 3 28 | 18 28 | 3 20 | 3 51 |
| T 4 | 16 13 | 6 58 | 1 11 | 6 51 | 4 26 | 18 18 | 1 14 | 25 35 | 3 45 | 10 23 | 1 23 | 20 0 | 1 2 | 20 37 | 0 39 | 19 46 | 1 31 | 11 11 | 16 48 | 2 53 | 3 26 | 18 27 | 3 19 | 3 51 |
| W 5 | 15 55 | 10 43 | 2 19 | 6 58 | 4 30 | 17 58 | 1 15 | 25 38 | 3 44 | 10 23 | 1 23 | 20 1 | 1 2 | 20 38 | 0 39 | 19 47 | 1 31 | 11 10 | 16 48 | 2 53 | 3 25 | 18 27 | 3 18 | 3 51 |
| T 6 | 15 38 | 13 59 | 3 20 | 7 8 | 4 32 | 17 37 | 1 16 | 25 41 | 3 43 | 10 24 | 1 24 | 20 2 | 1 2 | 20 38 | 0 39 | 19 47 | 1 31 | 11 9 | 16 47 | 2 53 | 3 24 | 18 27 | 3 18 | 3 51 |
| F 7 | 15 20 | 16 30 | 4 11 | 7 21 | 4 33 | 17 15 | 1 17 | 25 43 | 3 42 | 10 24 | 1 24 | 20 3 | 1 2 | 20 39 | 0 39 | 19 47 | 1 31 | 11 8 | 16 47 | 2 53 | 3 23 | 18 27 | 3 17 | 3 51 |
| S 8 | 15 2 | 18 4 | 4 47 | 7 38 | 4 32 | 16 54 | 1 18 | 25 46 | 3 41 | 10 25 | 1 24 | 20 4 | 1 3 | 20 39 | 0 39 | 19 47 | 1 31 | 11 7 | 16 47 | 2 52 | 3 21 | 18 27 | 3 16 | 3 51 |
| S 9 | 14 43 | 18 28 | 5 6 | 7 57 | 4 30 | 16 31 | 1 19 | 25 49 | 3 40 | 10 25 | 1 24 | 20 6 | 1 3 | 20 40 | 0 39 | 19 47 | 1 31 | 11 6 | 16 46 | 2 50 | 3 20 | 18 27 | 3 16 | 3 51 |
| M10 | 14 25 | 17 38 | 5 5 | 8 19 | 4 25 | 16 9 | 1 20 | 25 52 | 3 39 | 10 25 | 1 25 | 20 7 | 1 3 | 20 40 | 0 39 | 19 47 | 1 31 | 11 5 | 16 46 | 2 48 | 3 19 | 18 26 | 3 15 | 3 51 |
| T 11 | 14 6 | 15 36 | 4 43 | 8 44 | 4 19 | 15 45 | 1 20 | 25 54 | 3 38 | 10 25 | 1 25 | 20 8 | 1 3 | 20 41 | 0 39 | 19 47 | 1 31 | 11 4 | 16 45 | 2 45 | 3 18 | 18 26 | 3 14 | 3 51 |
| W12 | 13 47 | 12 34 | 4 3 | 9 11 | 4 11 | 15 22 | 1 21 | 25 57 | 3 37 | 10 25 | 1 25 | 20 9 | 1 3 | 20 41 | 0 39 | 19 47 | 1 31 | 11 2 | 16 45 | 2 43 | 3 16 | 18 26 | 3 13 | 3 51 |
| T 13 | 13 27 | 8 47 | 3 7 | 9 39 | 4 0 | 14 58 | 1 22 | 26 0 | 3 35 | 10 25 | 1 25 | 20 10 | 1 3 | 20 42 | 0 39 | 19 47 | 1 31 | 11 1 | 16 44 | 2 40 | 3 15 | 18 26 | 3 13 | 3 51 |
| F 14 | 13 8 | 4 33 | 2 1 | 10 9 | 3 48 | 14 33 | 1 22 | 26 2 | 3 34 | 10 25 | 1 25 | 20 11 | 1 3 | 20 42 | 0 39 | 19 47 | 1 31 | 11 0 | 16 44 | 2 39 | 3 14 | 18 26 | 3 12 | 3 52 |
| S 15 | 12 48 | 0 12 | 0 48 | 10 40 | 3 35 | 14 8 | 1 23 | 26 5 | 3 33 | 10 25 | 1 26 | 20 12 | 1 3 | 20 42 | 0 39 | 19 47 | 1 31 | 10 59 | 16 44 | 2 38 | 3 12 | 18 25 | 3 11 | 3 52 |
| S 16 | 12 28 | 4s 3 | 0n25 | 11 10 | 3 19 | 13 43 | 1 23 | 26 7 | 3 32 | 10 25 | 1 26 | 20 13 | 1 3 | 20 43 | 0 39 | 19 47 | 1 31 | 10 58 | 16 43 | 2 38 | 3 11 | 18 25 | 3 10 | 3 52 |
| M17 | 12 8 | 7 57 | 1 34 | 11 41 | 3 3 | 13 17 | 1 24 | 26 9 | 3 31 | 10 25 | 1 26 | 20 14 | 1 3 | 20 43 | 0 39 | 19 47 | 1 30 | 10 57 | 16 43 | 2 38 | 3 10 | 18 25 | 3 9 | 3 52 |
| T 18 | 11 48 | 11 23 | 2 37 | 12 10 | 2 45 | 12 51 | 1 24 | 26 12 | 3 30 | 10 24 | 1 26 | 20 15 | 1 3 | 20 44 | 0 39 | 19 47 | 1 30 | 10 56 | 16 42 | 2 39 | 3 9 | 18 25 | 3 9 | 3 52 |
| W19 | 11 27 | 14 13 | 3 31 | 12 38 | 2 27 | 12 25 | 1 24 | 26 14 | 3 29 | 10 24 | 1 27 | 20 16 | 1 3 | 20 44 | 0 39 | 19 47 | 1 30 | 10 55 | 16 42 | 2 40 | 3 7 | 18 24 | 3 8 | 3 52 |
| T 20 | 11 6 | 16 22 | 4 15 | 13 4 | 2 8 | 11 58 | 1 24 | 26 16 | 3 27 | 10 23 | 1 27 | 20 17 | 1 3 | 20 45 | 0 39 | 19 47 | 1 30 | 10 54 | 16 42 | 2 40 | 3 6 | 18 24 | 3 7 | 3 52 |
| F 21 | 10 45 | 17 46 | 4 46 | 13 28 | 1 49 | 11 31 | 1 25 | 26 18 | 3 26 | 10 23 | 1 27 | 20 18 | 1 3 | 20 45 | 0 39 | 19 47 | 1 30 | 10 53 | 16 41 | 2 39 | 3 5 | 18 24 | 3 6 | 3 52 |
| S 22 | 10 24 | 18 23 | 5 6 | 13 49 | 1 30 | 11 4 | 1 25 | 26 20 | 3 25 | 10 22 | 1 27 | 20 19 | 1 3 | 20 45 | 0 39 | 19 48 | 1 30 | 10 52 | 16 41 | 2 39 | 3 4 | 18 24 | 3 5 | 3 52 |
| S 23 | 10 3 | 18 11 | 5 12 | 14 7 | 1 11 | 10 36 | 1 25 | 26 22 | 3 24 | 10 21 | 1 27 | 20 20 | 1 3 | 20 46 | 0 39 | 19 48 | 1 30 | 10 51 | 16 41 | 2 37 | 3 2 | 18 24 | 3 4 | 3 52 |
| M24 | 9 42 | 17 11 | 5 5 | 14 22 | 0 52 | 10 8 | 1 25 | 26 24 | 3 22 | 10 21 | 1 28 | 20 20 | 1 3 | 20 46 | 0 39 | 19 48 | 1 30 | 10 50 | 16 40 | 2 35 | 3 1 | 18 23 | 3 3 | 3 52 |
| T 25 | 9 20 | 15 25 | 4 44 | 14 33 | 0 34 | 9 40 | 1 25 | 26 25 | 3 21 | 10 20 | 1 28 | 20 21 | 1 3 | 20 47 | 0 39 | 19 48 | 1 30 | 10 49 | 16 40 | 2 33 | 3 0 | 18 23 | 3 2 | 3 52 |
| W26 | 8 58 | 12 56 | 4 10 | 14 40 | 0 17 | 9 12 | 1 24 | 26 27 | 3 20 | 10 19 | 1 28 | 20 22 | 1 3 | 20 47 | 0 39 | 19 48 | 1 30 | 10 47 | 16 40 | 2 31 | 2 59 | 18 23 | 3 1 | 3 52 |
| T 27 | 8 36 | 9 50 | 3 24 | 14 44 | 0 0 | 8 43 | 1 24 | 26 28 | 3 19 | 10 18 | 1 28 | 20 23 | 1 3 | 20 47 | 0 39 | 19 48 | 1 30 | 10 46 | 16 39 | 2 29 | 2 57 | 18 23 | 3 0 | 3 52 |
| F 28 | 8 14 | 6 14 | 2 27 | 14 45 | 0n15 | 8 14 | 1 24 | 26 29 | 3 17 | 10 17 | 1 28 | 20 24 | 1 3 | 20 48 | 0 39 | 19 48 | 1 30 | 10 45 | 16 39 | 2 28 | 2 56 | 18 22 | 2 59 | 3 52 |
| S 29 | 7 52 | 2 18 | 1 22 | 14 41 | 0 29 | 7 45 | 1 23 | 26 31 | 3 16 | 10 16 | 1 29 | 20 24 | 1 3 | 20 48 | 0 39 | 19 48 | 1 30 | 10 44 | 16 39 | 2 27 | 2 55 | 18 22 | 2 58 | 3 52 |
| S 30 | 7 30 | 1n50 | 0 11 | 14 33 | 0 42 | 7 16 | 1 23 | 26 32 | 3 15 | 10 15 | 1 29 | 20 25 | 1 3 | 20 48 | 0 39 | 19 49 | 1 30 | 10 43 | 16 39 | 2 27 | 2 54 | 18 22 | 2 57 | 3 52 |
| M31 | 7n 8 | 5n55 | 1s 2 | 14n22 | 0n55 | 6n46 | 1n22 | 26s33 | 3s14 | 10n13 | 1s29 | 20s26 | 1s 3 | 20s49 | 0s39 | 19s49 | 1n30 | 10n42 | 16n38 | 2s27 | 2s52 | 18s22 | 2n56 | 3n52 |

Julian Day Number = 2083232.5, Delta T = 25m05s
Ecliptic obliquity = 23°34'02, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'08, Lahiri = 9°48'08 Julian Calendar 1 Aug. 991 == Greg. Calendar 6 Aug. 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## SEPTEMBER 991 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 22 59 17 | 12♍54'08 | 0♉53 | 25♌28 | 17♍23 | 22♐31 | 0°R10 | 3°R44 | 0°R19 | 5♐13 | 11♎36 | 6♎ 9 | 7♎ 9 | 4♑27 | 28°R26 | T 1 |
| W 2 | 23 3 14 | 13°52'51 | 14°32 | 26°48 | 18°37 | 23° 6 | 0♉ 7 | 3♒41 | 0♒18 | 5°14 | 11°38 | 6°11 | 7° 6 | 4°34 | 28♓24 | W 2 |
| T 3 | 23 7 10 | 14°51'37 | 28°23 | 28°14 | 19°52 | 23°40 | 0° 3 | 3°39 | 0°16 | 5°15 | 11°40 | 6°12 | 7° 2 | 4°41 | 28°21 | T 3 |
| F 4 | 23 11 7 | 15°50'25 | 12♊25 | 29°43 | 21° 7 | 24°15 | 29♈59 | 3°36 | 0°15 | 5°15 | 11°42 | 6°R13 | 6°59 | 4°47 | 28°18 | F 4 |
| S 5 | 23 15 3 | 16°49'15 | 26°36 | 1♍17 | 22°22 | 24°50 | 29°56 | 3°33 | 0°13 | 5°16 | 11°45 | 6°12 | 6°56 | 4°54 | 28°16 | S 5 |
| S 6 | 23 19 0 | 17°48'07 | 10♋55 | 2°53 | 23°37 | 25°25 | 29°51 | 3°31 | 0°12 | 5°17 | 11°47 | 6°11 | 6°53 | 5° 1 | 28°13 | S 6 |
| M 7 | 23 22 56 | 18°47'02 | 25°18 | 4°33 | 24°51 | 26° 1 | 29°47 | 3°28 | 0°11 | 5°18 | 11°49 | 6° 9 | 6°50 | 5° 8 | 28°10 | M 7 |
| T 8 | 23 26 53 | 19°45'59 | 9♌41 | 6°15 | 26° 6 | 26°36 | 29°43 | 3°26 | 0° 9 | 5°19 | 11°51 | 6° 7 | 6°46 | 5°14 | 28° 8 | T 8 |
| W 9 | 23 30 50 | 20°44'59 | 24° 0 | 7°58 | 27°21 | 27°12 | 29°38 | 3°23 | 0° 8 | 5°20 | 11°54 | 6° 5 | 6°43 | 5°21 | 28° 5 | W 9 |
| T 10 | 23 34 46 | 21°44'00 | 8♍10 | 9°43 | 28°36 | 27°49 | 29°33 | 3°21 | 0° 7 | 5°20 | 11°56 | 6° 4 | 6°40 | 5°28 | 28° 2 | T 10 |
| F 11 | 23 38 43 | 22°43'04 | 22° 6 | 11°29 | 29°51 | 28°25 | 29°28 | 3°19 | 0° 6 | 5°21 | 11°58 | 6° 2 | 6°37 | 5°34 | 28° 0 | F 11 |
| S 12 | 23 42 39 | 23°42'10 | 5♎44 | 13°16 | 1♎ 6 | 29° 2 | 29°23 | 3°17 | 0° 5 | 5°22 | 12° 0 | 6°D 2 | 6°34 | 5°41 | 27°57 | S 12 |
| S 13 | 23 46 36 | 24°41'18 | 19° 3 | 15° 3 | 2°21 | 29°39 | 29°18 | 3°15 | 0° 4 | 5°23 | 12° 3 | 6° 2 | 6°31 | 5°48 | 27°54 | S 13 |
| M14 | 23 50 32 | 25°40'28 | 2♏ 2 | 16°51 | 3°35 | 0♑16 | 29°12 | 3°13 | 0° 3 | 5°24 | 12° 5 | 6° 3 | 6°27 | 5°55 | 27°51 | M14 |
| T 15 | 23 54 29 | 26°39'39 | 14°41 | 18°38 | 4°50 | 0°53 | 29° 6 | 3°11 | 0° 2 | 5°25 | 12° 7 | 6° 4 | 6°24 | 6° 1 | 27°49 | T 15 |
| W16 | 23 58 25 | 27°38'53 | 27° 3 | 20°25 | 6° 5 | 1°31 | 29° 1 | 3° 9 | 0° 1 | 5°27 | 12°10 | 6° 5 | 6°21 | 6° 8 | 27°46 | W16 |
| T 17 | 0 2 22 | 28°38'09 | 9♐12 | 22°12 | 7°20 | 2° 8 | 28°55 | 3° 8 | 29♑59 | 5°28 | 12°12 | 6° 6 | 6°18 | 6°15 | 27°43 | T 17 |
| F 18 | 0 6 18 | 29°37'26 | 21°11 | 23°59 | 8°35 | 2°46 | 28°48 | 3° 6 | 29°59 | 5°29 | 12°15 | 6° 6 | 6°15 | 6°22 | 27°41 | F 18 |
| S 19 | 0 10 15 | 0♎36'45 | 3♑ 5 | 25°46 | 9°50 | 3°24 | 28°42 | 3° 5 | 29°58 | 5°30 | 12°17 | 6°R 6 | 6°12 | 6°28 | 27°38 | S 19 |
| S 20 | 0 14 12 | 1°36'06 | 14°58 | 27°31 | 11° 5 | 4° 2 | 28°36 | 3° 4 | 29°57 | 5°31 | 12°19 | 6° 6 | 6° 8 | 6°35 | 27°35 | S 20 |
| M21 | 0 18 8 | 2°35'29 | 26°56 | 29°17 | 12°20 | 4°41 | 28°29 | 3° 2 | 29°57 | 5°32 | 12°22 | 6° 6 | 6° 5 | 6°42 | 27°32 | M21 |
| T 22 | 0 22 5 | 3°34'54 | 9♒ 2 | 1♏ 1 | 13°35 | 5°19 | 28°23 | 3° 1 | 29°56 | 5°34 | 12°24 | 6° 5 | 6° 2 | 6°48 | 27°30 | T 22 |
| W23 | 0 26 1 | 4°34'21 | 21°20 | 2°45 | 14°50 | 5°58 | 28°16 | 3° 0 | 29°55 | 5°35 | 12°26 | 6° 5 | 5°59 | 6°55 | 27°27 | W23 |
| T 24 | 0 29 58 | 5°33'49 | 3♓53 | 4°29 | 16° 4 | 6°37 | 28° 9 | 2°59 | 29°55 | 5°36 | 12°29 | 6° 5 | 5°56 | 7° 2 | 27°24 | T 24 |
| F 25 | 0 33 54 | 6°33'20 | 16°43 | 6°11 | 17°19 | 7°16 | 28° 2 | 2°59 | 29°54 | 5°38 | 12°31 | 6°D 5 | 5°52 | 7° 9 | 27°22 | F 25 |
| S 26 | 0 37 51 | 7°32'52 | 29°51 | 7°53 | 18°34 | 7°55 | 27°55 | 2°58 | 29°54 | 5°39 | 12°34 | 6°R 5 | 5°49 | 7°15 | 27°19 | S 26 |
| S 27 | 0 41 47 | 8°32'26 | 13♈16 | 9°35 | 19°49 | 8°35 | 27°47 | 2°57 | 29°53 | 5°40 | 12°36 | 6° 5 | 5°46 | 7°22 | 27°16 | S 27 |
| M28 | 0 45 44 | 9°32'03 | 26°58 | 11°16 | 21° 4 | 9°14 | 27°40 | 2°57 | 29°53 | 5°42 | 12°38 | 6° 5 | 5°43 | 7°29 | 27°14 | M28 |
| T 29 | 0 49 41 | 10°31'42 | 10♉53 | 12°56 | 22°19 | 9°54 | 27°33 | 2°56 | 29°53 | 5°43 | 12°41 | 6° 5 | 5°40 | 7°35 | 27°11 | T 29 |
| W30 | 0 53 37 | 11♎31'22 | 24♉58 | 14♎35 | 23♎34 | 10♑33 | 27♈25 | 2♒56 | 29♑52 | 5♐45 | 12♎43 | 6♎ 4 | 5♎37 | 7♑42 | 27♓ 9 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n45 | 9n47 | 2s12 | 14n 7 | 1n 5 | 6n16 | 1n22 | 26s33 | 3s12 | 10n12 | 1s29 | 20s27 | 1s 3 | 20s49 | 0s39 | 19s49 | 1n30 | 10n41 | 16n38 | 2s27 | 2s51 | 18s21 | 2n55 | 3n52 |
| W 2 | 6 22 | 13 10 | 3 16 | 13 49 | 1 15 | 5 46 | 1 21 | 26 34 | 3 11 | 10 11 | 1 29 | 20 27 | 1 3 | 20 49 | 0 39 | 19 49 | 1 30 | 10 40 | 16 38 | 2 28 | 2 50 | 18 21 | 2 54 | 3 52 |
| T 3 | 6 0 | 15 51 | 4 9 | 13 28 | 1 23 | 5 16 | 1 21 | 26 34 | 3 10 | 10 9 | 1 29 | 20 28 | 1 3 | 20 50 | 0 38 | 19 49 | 1 30 | 10 39 | 16 37 | 2 28 | 2 49 | 18 21 | 2 53 | 3 52 |
| F 4 | 5 37 | 17 38 | 4 49 | 13 3 | 1 31 | 4 46 | 1 20 | 26 35 | 3 8 | 10 8 | 1 30 | 20 29 | 1 3 | 20 50 | 0 38 | 19 50 | 1 29 | 10 38 | 16 37 | 2 29 | 2 47 | 18 21 | 2 52 | 3 52 |
| S 5 | 5 14 | 18 21 | 5 11 | 12 35 | 1 37 | 4 15 | 1 19 | 26 35 | 3 7 | 10 6 | 1 30 | 20 29 | 1 3 | 20 50 | 0 38 | 19 50 | 1 29 | 10 37 | 16 37 | 2 29 | 2 46 | 18 20 | 2 51 | 3 52 |
| S 6 | 4 51 | 17 54 | 5 14 | 12 5 | 1 42 | 3 45 | 1 18 | 26 35 | 3 6 | 10 5 | 1 30 | 20 30 | 1 3 | 20 50 | 0 38 | 19 50 | 1 29 | 10 36 | 16 37 | 2 28 | 2 45 | 18 20 | 2 50 | 3 52 |
| M 7 | 4 28 | 16 18 | 4 58 | 11 32 | 1 46 | 3 14 | 1 17 | 26 35 | 3 4 | 10 3 | 1 30 | 20 31 | 1 3 | 20 51 | 0 38 | 19 50 | 1 29 | 10 35 | 16 37 | 2 27 | 2 43 | 18 20 | 2 49 | 3 52 |
| T 8 | 4 4 | 13 42 | 4 23 | 10 58 | 1 49 | 2 43 | 1 16 | 26 34 | 3 3 | 10 1 | 1 30 | 20 31 | 1 3 | 20 51 | 0 38 | 19 50 | 1 29 | 10 33 | 16 36 | 2 27 | 2 42 | 18 19 | 2 48 | 3 52 |
| W 9 | 3 41 | 10 16 | 3 32 | 10 21 | 1 51 | 2 12 | 1 15 | 26 34 | 3 2 | 10 0 | 1 30 | 20 32 | 1 3 | 20 51 | 0 38 | 19 51 | 1 29 | 10 32 | 16 36 | 2 26 | 2 41 | 18 19 | 2 47 | 3 52 |
| T 10 | 3 18 | 6 16 | 2 28 | 9 42 | 1 53 | 1 41 | 1 14 | 26 33 | 3 0 | 9 58 | 1 31 | 20 32 | 1 3 | 20 52 | 0 38 | 19 51 | 1 29 | 10 31 | 16 36 | 2 25 | 2 40 | 18 19 | 2 46 | 3 52 |
| F 11 | 2 54 | 1 59 | 1 16 | 9 2 | 1 53 | 1 10 | 1 13 | 26 32 | 2 59 | 9 56 | 1 31 | 20 33 | 1 3 | 20 52 | 0 38 | 19 51 | 1 29 | 10 30 | 16 36 | 2 25 | 2 38 | 18 19 | 2 44 | 3 52 |
| S 12 | 2 31 | 2s19 | 0 2 | 8 21 | 1 53 | 0 39 | 1 12 | 26 31 | 2 58 | 9 54 | 1 31 | 20 33 | 1 3 | 20 52 | 0 38 | 19 51 | 1 29 | 10 29 | 16 36 | 2 25 | 2 37 | 18 18 | 2 43 | 3 52 |
| S 13 | 2 7 | 6 24 | 1n11 | 7 38 | 1 52 | 0 8 | 1 10 | 26 30 | 2 56 | 9 52 | 1 31 | 20 34 | 1 3 | 20 52 | 0 38 | 19 51 | 1 29 | 10 28 | 16 35 | 2 25 | 2 36 | 18 18 | 2 42 | 3 52 |
| M14 | 1 44 | 10 4 | 2 19 | 6 55 | 1 50 | 0s23 | 1 9 | 26 29 | 2 55 | 9 50 | 1 31 | 20 34 | 1 3 | 20 52 | 0 38 | 19 52 | 1 29 | 10 27 | 16 35 | 2 25 | 2 35 | 18 18 | 2 41 | 3 52 |
| T 15 | 1 20 | 13 10 | 3 18 | 6 11 | 1 48 | 0 54 | 1 8 | 26 27 | 2 53 | 9 48 | 1 31 | 20 34 | 1 3 | 20 53 | 0 38 | 19 52 | 1 29 | 10 26 | 16 35 | 2 25 | 2 33 | 18 17 | 2 40 | 3 52 |
| W16 | 0 56 | 15 36 | 4 7 | 5 26 | 1 46 | 1 25 | 1 6 | 26 26 | 2 52 | 9 45 | 1 31 | 20 35 | 1 3 | 20 53 | 0 38 | 19 52 | 1 29 | 10 25 | 16 35 | 2 26 | 2 32 | 18 17 | 2 39 | 3 52 |
| T 17 | 0 33 | 17 17 | 4 43 | 4 40 | 1 42 | 1 56 | 1 5 | 26 24 | 2 51 | 9 43 | 1 31 | 20 35 | 1 3 | 20 53 | 0 38 | 19 52 | 1 29 | 10 24 | 16 35 | 2 26 | 2 31 | 18 17 | 2 38 | 3 52 |
| F 18 | 0 9 | 18 11 | 5 6 | 3 55 | 1 39 | 2 27 | 1 3 | 26 21 | 2 49 | 9 41 | 1 32 | 20 36 | 1 3 | 20 53 | 0 38 | 19 53 | 1 29 | 10 23 | 16 35 | 2 26 | 2 30 | 18 16 | 2 37 | 3 52 |
| S 19 | 0s15 | 18 15 | 5 17 | 3 9 | 1 35 | 2 58 | 1 1 | 26 19 | 2 48 | 9 39 | 1 32 | 20 36 | 1 3 | 20 53 | 0 38 | 19 53 | 1 29 | 10 22 | 16 35 | 2 26 | 2 28 | 18 16 | 2 35 | 3 52 |
| S 20 | 0 38 | 17 32 | 5 13 | 2 22 | 1 30 | 3 29 | 1 0 | 26 17 | 2 46 | 9 36 | 1 32 | 20 36 | 1 3 | 20 53 | 0 38 | 19 53 | 1 29 | 10 21 | 16 34 | 2 26 | 2 27 | 18 16 | 2 34 | 3 51 |
| M21 | 1 2 | 16 2 | 4 56 | 1 36 | 1 26 | 4 0 | 0 58 | 26 14 | 2 45 | 9 34 | 1 32 | 20 36 | 1 3 | 20 53 | 0 38 | 19 53 | 1 29 | 10 20 | 16 34 | 2 26 | 2 26 | 18 16 | 2 33 | 3 51 |
| T 22 | 1 26 | 13 49 | 4 26 | 0 49 | 1 21 | 4 31 | 0 56 | 26 11 | 2 44 | 9 31 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 54 | 1 29 | 10 19 | 16 34 | 2 26 | 2 25 | 18 15 | 2 32 | 3 51 |
| W23 | 1 50 | 10 56 | 3 44 | 0 3 | 1 15 | 5 2 | 0 55 | 26 8 | 2 42 | 9 29 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 54 | 1 28 | 10 18 | 16 34 | 2 26 | 2 23 | 18 15 | 2 31 | 3 51 |
| T 24 | 2 13 | 7 31 | 2 49 | 0s43 | 1 10 | 5 33 | 0 53 | 26 5 | 2 41 | 9 26 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 54 | 1 28 | 10 17 | 16 34 | 2 26 | 2 22 | 18 15 | 2 30 | 3 51 |
| F 25 | 2 37 | 3 39 | 1 45 | 1 29 | 1 4 | 6 3 | 0 51 | 26 1 | 2 39 | 9 24 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 55 | 1 28 | 10 16 | 16 34 | 2 26 | 2 21 | 18 14 | 2 29 | 3 51 |
| S 26 | 3 1 | 0n28 | 0 35 | 2 15 | 0 58 | 6 34 | 0 49 | 25 57 | 2 38 | 9 21 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 55 | 1 28 | 10 15 | 16 34 | 2 26 | 2 19 | 18 14 | 2 27 | 3 51 |
| S 27 | 3 24 | 4 39 | 0s40 | 3 1 | 0 52 | 7 4 | 0 47 | 25 54 | 2 37 | 9 19 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 55 | 1 28 | 10 14 | 16 34 | 2 26 | 2 18 | 18 14 | 2 26 | 3 51 |
| M28 | 3 48 | 8 41 | 1 53 | 3 46 | 0 46 | 7 34 | 0 45 | 25 49 | 2 35 | 9 16 | 1 32 | 20 38 | 1 3 | 20 54 | 0 38 | 19 55 | 1 28 | 10 13 | 16 34 | 2 26 | 2 17 | 18 13 | 2 25 | 3 51 |
| T 29 | 4 11 | 12 18 | 3 1 | 4 31 | 0 40 | 8 4 | 0 43 | 25 45 | 2 34 | 9 13 | 1 32 | 20 38 | 1 3 | 20 54 | 0 38 | 19 56 | 1 28 | 10 12 | 16 34 | 2 26 | 2 16 | 18 13 | 2 24 | 3 51 |
| W30 | 4s35 | 15n15 | 3s59 | 5s16 | 0n33 | 8s34 | 0n41 | 25s41 | 2s32 | 9n10 | 1s32 | 20s38 | 1s 3 | 20s54 | 0s38 | 19s56 | 1n28 | 10n11 | 16n34 | 2s25 | 2s14 | 18s13 | 2n23 | 3n51 |

Julian Day Number = 2083263.5, Delta T = 25m04s
Ecliptic obliquity = 23°34'03, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'12, Lahiri = 9°48'12 Julian Calendar 1 Sept. 991 == Greg. Calendar 6 Sept. 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## OCTOBER 991 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 57 34 | 12♎31'06 | 9♊10 | 16♎14 | 24♎49 | 11♑13 | 27°R18 | 2°R56 | 29°R52 | 5♐46 | 12♎46 | 6°R 3 | 5♎33 | 7♑49 | 27°R 6 | T 1 |
| F 2 | 1 1 30 | 13°30'51 | 23°25 | 17°52 | 26° 4 | 11°53 | 27♈10 | 2♒56 | 29♑52 | 5°48 | 12°48 | 6♎ 3 | 5°30 | 7°56 | 27♓ 3 | F 2 |
| S 3 | 1 5 27 | 14°30'39 | 7♋39 | 19°30 | 27°19 | 12°33 | 27° 2 | 2°D56 | 29°52 | 5°49 | 12°51 | 6° 2 | 5°27 | 8° 2 | 27° 1 | S 3 |
| S 4 | 1 9 23 | 15°30'29 | 21°51 | 21° 7 | 28°34 | 13°14 | 26°54 | 2°56 | 29°52 | 5°51 | 12°53 | 6°D 2 | 5°24 | 8° 9 | 26°58 | S 4 |
| M 5 | 1 13 20 | 16°30'22 | 5♌58 | 22°43 | 29°49 | 13°54 | 26°46 | 2°56 | 29°D52 | 5°53 | 12°55 | 6° 3 | 5°21 | 8°16 | 26°56 | M 5 |
| T 6 | 1 17 16 | 17°30'17 | 19°58 | 24°19 | 1♏ 4 | 14°35 | 26°38 | 2°56 | 29°52 | 5°54 | 12°58 | 6° 4 | 5°17 | 8°23 | 26°53 | T 6 |
| W 7 | 1 21 13 | 18°30'14 | 3♍50 | 25°55 | 2°18 | 15°15 | 26°30 | 2°57 | 29°52 | 5°56 | 13° 0 | 6° 5 | 5°14 | 8°29 | 26°51 | W 7 |
| T 8 | 1 25 10 | 19°30'13 | 17°31 | 27°29 | 3°33 | 15°56 | 26°22 | 2°57 | 29°52 | 5°58 | 13° 3 | 6° 6 | 5°11 | 8°36 | 26°48 | T 8 |
| F 9 | 1 29 6 | 20°30'14 | 1♎ 0 | 29° 4 | 4°48 | 16°37 | 26°14 | 2°58 | 29°52 | 5°59 | 13° 5 | 6°R 6 | 5° 8 | 8°43 | 26°46 | F 9 |
| S 10 | 1 33 3 | 21°30'17 | 14°16 | 0♏38 | 6° 3 | 17°18 | 26° 6 | 2°59 | 29°52 | 6° 1 | 13° 7 | 6° 6 | 5° 5 | 8°49 | 26°43 | S 10 |
| S 11 | 1 36 59 | 22°30'22 | 27°18 | 2°11 | 7°18 | 17°59 | 25°58 | 2°59 | 29°53 | 6° 3 | 13°10 | 6° 5 | 5° 2 | 8°56 | 26°41 | S 11 |
| M12 | 1 40 56 | 23°30'29 | 10♏ 5 | 3°44 | 8°33 | 18°40 | 25°50 | 3° 0 | 29°53 | 6° 5 | 13°12 | 6° 3 | 4°58 | 9° 3 | 26°39 | M12 |
| T 13 | 1 44 52 | 24°30'38 | 22°38 | 5°17 | 9°48 | 19°21 | 25°42 | 3° 1 | 29°53 | 6° 6 | 13°15 | 6° 1 | 4°55 | 9°10 | 26°36 | T 13 |
| W14 | 1 48 49 | 25°30'49 | 4♐57 | 6°49 | 11° 3 | 20° 3 | 25°34 | 3° 2 | 29°54 | 6° 8 | 13°17 | 5°57 | 4°52 | 9°16 | 26°34 | W14 |
| T 15 | 1 52 45 | 26°31'02 | 17° 4 | 8°20 | 12°18 | 20°44 | 25°25 | 3° 4 | 29°54 | 6°10 | 13°19 | 5°54 | 4°49 | 9°23 | 26°32 | T 15 |
| F 16 | 1 56 42 | 27°31'16 | 29° 3 | 9°52 | 13°33 | 21°26 | 25°17 | 3° 5 | 29°55 | 6°12 | 13°22 | 5°51 | 4°46 | 9°30 | 26°30 | F 16 |
| S 17 | 2 0 39 | 28°31'32 | 10♑56 | 11°23 | 14°48 | 22° 8 | 25° 9 | 3° 6 | 29°56 | 6°14 | 13°24 | 5°49 | 4°43 | 9°36 | 26°27 | S 17 |
| S 18 | 2 4 35 | 29°31'49 | 22°48 | 12°53 | 16° 3 | 22°49 | 25° 1 | 3° 8 | 29°56 | 6°16 | 13°26 | 5°48 | 4°39 | 9°43 | 26°25 | S 18 |
| M19 | 2 8 32 | 0♏32'08 | 4♒44 | 14°23 | 17°18 | 23°31 | 24°53 | 3°10 | 29°57 | 6°17 | 13°29 | 5°D48 | 4°36 | 9°50 | 26°23 | M19 |
| T 20 | 2 12 28 | 1°32'28 | 16°47 | 15°53 | 18°33 | 24°13 | 24°45 | 3°11 | 29°58 | 6°19 | 13°31 | 5°49 | 4°33 | 9°57 | 26°21 | T 20 |
| W21 | 2 16 25 | 2°32'50 | 29° 4 | 17°22 | 19°48 | 24°55 | 24°37 | 3°13 | 29°58 | 6°21 | 13°33 | 5°50 | 4°30 | 10° 3 | 26°19 | W21 |
| T 22 | 2 20 21 | 3°33'13 | 11♓39 | 18°50 | 21° 2 | 25°37 | 24°29 | 3°15 | 29°59 | 6°23 | 13°36 | 5°52 | 4°27 | 10°10 | 26°17 | T 22 |
| F 23 | 2 24 18 | 4°33'38 | 24°34 | 20°19 | 22°17 | 26°19 | 24°21 | 3°17 | 0♒ 0 | 6°25 | 13°38 | 5°53 | 4°23 | 10°17 | 26°15 | F 23 |
| S 24 | 2 28 14 | 5°34'04 | 7♈53 | 21°46 | 23°32 | 27° 1 | 24°13 | 3°19 | 0° 1 | 6°27 | 13°40 | 5°R54 | 4°20 | 10°24 | 26°13 | S 24 |
| S 25 | 2 32 11 | 6°34'31 | 21°35 | 23°14 | 24°47 | 27°44 | 24° 5 | 3°22 | 0° 2 | 6°29 | 13°43 | 5°53 | 4°17 | 10°30 | 26°11 | S 25 |
| M26 | 2 36 7 | 7°35'01 | 5♉40 | 24°40 | 26° 2 | 28°26 | 23°58 | 3°24 | 0° 3 | 6°31 | 13°45 | 5°50 | 4°14 | 10°37 | 26° 9 | M26 |
| T 27 | 2 40 4 | 8°35'31 | 20° 3 | 26° 6 | 27°17 | 29° 9 | 23°50 | 3°26 | 0° 4 | 6°33 | 13°47 | 5°46 | 4°11 | 10°44 | 26° 7 | T 27 |
| W28 | 2 44 1 | 9°36'04 | 4♊38 | 27°32 | 28°32 | 29°51 | 23°42 | 3°29 | 0° 5 | 6°35 | 13°49 | 5°41 | 4° 8 | 10°50 | 26° 5 | W28 |
| T 29 | 2 47 57 | 10°36'38 | 19°19 | 28°57 | 29°47 | 0♒33 | 23°35 | 3°31 | 0° 7 | 6°38 | 13°51 | 5°36 | 4° 4 | 10°57 | 26° 4 | T 29 |
| F 30 | 2 51 54 | 11°37'14 | 3♋58 | 0♐20 | 1♐ 1 | 1°16 | 23°27 | 3°34 | 0° 8 | 6°40 | 13°54 | 5°31 | 4° 1 | 11° 4 | 26° 2 | F 30 |
| S 31 | 2 55 50 | 12♏37'52 | 18♋29 | 1♐43 | 2♐16 | 1♒59 | 23♈20 | 3♒37 | 0♒ 9 | 6♐42 | 13♎56 | 5♎27 | 3♎58 | 11♑11 | 26♓ 0 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s58 | 17n17 | 4s43 | 6s 0 | 0n27 | 9s 4 | 0n39 | 25s36 | 2s31 | 9n 8 | 1s32 | 20s38 | 1s 3 | 20s54 | 0s38 | 19s56 | 1n28 | 10n10 | 16n34 | 2s25 | 2s13 | 18s12 | 2n22 | 3n50 |
| F 2 | 5 22 | 18 15 | 5 9 | 6 44 | 0 20 | 9 33 | 0 36 | 25 31 | 2 30 | 9 5 | 1 32 | 20 38 | 1 3 | 20 54 | 0 38 | 19 57 | 1 28 | 10 10 | 16 34 | 2 25 | 2 12 | 18 12 | 2 21 | 3 50 |
| S 3 | 5 45 | 18 5 | 5 17 | 7 28 | 0 13 | 10 2 | 0 34 | 25 26 | 2 28 | 9 2 | 1 32 | 20 38 | 1 3 | 20 54 | 0 38 | 19 57 | 1 28 | 10 9 | 16 34 | 2 25 | 2 11 | 18 11 | 2 19 | 3 50 |
| S 4 | 6 8 | 16 46 | 5 5 | 8 11 | 0 7 | 10 31 | 0 32 | 25 20 | 2 27 | 8 59 | 1 32 | 20 38 | 1 3 | 20 54 | 0 38 | 19 57 | 1 28 | 10 8 | 16 34 | 2 25 | 2 9 | 18 11 | 2 18 | 3 50 |
| M 5 | 6 31 | 14 26 | 4 35 | 8 53 | 0s 0 | 11 0 | 0 30 | 25 15 | 2 25 | 8 56 | 1 32 | 20 38 | 1 3 | 20 54 | 0 38 | 19 58 | 1 28 | 10 7 | 16 34 | 2 25 | 2 8 | 18 11 | 2 17 | 3 50 |
| T 6 | 6 54 | 11 17 | 3 48 | 9 35 | 0 7 | 11 29 | 0 27 | 25 9 | 2 24 | 8 54 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 58 | 1 28 | 10 6 | 16 34 | 2 25 | 2 7 | 18 10 | 2 16 | 3 50 |
| W 7 | 7 17 | 7 32 | 2 49 | 10 16 | 0 13 | 11 57 | 0 25 | 25 3 | 2 22 | 8 51 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 58 | 1 28 | 10 5 | 16 34 | 2 26 | 2 6 | 18 10 | 2 15 | 3 50 |
| T 8 | 7 40 | 3 25 | 1 41 | 10 57 | 0 20 | 12 25 | 0 23 | 24 57 | 2 21 | 8 48 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 59 | 1 28 | 10 4 | 16 34 | 2 26 | 2 4 | 18 10 | 2 14 | 3 50 |
| F 9 | 8 3 | 0s50 | 0 28 | 11 37 | 0 27 | 12 52 | 0 20 | 24 50 | 2 20 | 8 45 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 59 | 1 28 | 10 3 | 16 34 | 2 26 | 2 3 | 18 9 | 2 13 | 3 49 |
| S 10 | 8 26 | 4 58 | 0n45 | 12 17 | 0 34 | 13 20 | 0 18 | 24 43 | 2 18 | 8 42 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 19 59 | 1 28 | 10 3 | 16 34 | 2 26 | 2 2 | 18 9 | 2 12 | 3 49 |
| S 11 | 8 48 | 8 47 | 1 54 | 12 55 | 0 40 | 13 47 | 0 15 | 24 37 | 2 17 | 8 39 | 1 32 | 20 37 | 1 3 | 20 54 | 0 38 | 20 0 | 1 28 | 10 2 | 16 34 | 2 26 | 2 0 | 18 9 | 2 11 | 3 49 |
| M12 | 9 11 | 12 7 | 2 57 | 13 34 | 0 47 | 14 13 | 0 13 | 24 29 | 2 15 | 8 36 | 1 32 | 20 36 | 1 3 | 20 54 | 0 38 | 20 0 | 1 28 | 10 1 | 16 34 | 2 25 | 1 59 | 18 8 | 2 9 | 3 49 |
| T 13 | 9 33 | 14 50 | 3 49 | 14 11 | 0 53 | 14 40 | 0 11 | 24 22 | 2 14 | 8 33 | 1 32 | 20 36 | 1 3 | 20 54 | 0 38 | 20 0 | 1 28 | 10 0 | 16 34 | 2 24 | 1 58 | 18 8 | 2 8 | 3 49 |
| W14 | 9 55 | 16 49 | 4 30 | 14 48 | 1 0 | 15 6 | 0 8 | 24 15 | 2 12 | 8 30 | 1 32 | 20 36 | 1 3 | 20 53 | 0 37 | 20 1 | 1 28 | 9 59 | 16 34 | 2 23 | 1 57 | 18 7 | 2 7 | 3 49 |
| T 15 | 10 17 | 18 0 | 4 58 | 15 24 | 1 6 | 15 31 | 0 6 | 24 7 | 2 11 | 8 27 | 1 32 | 20 35 | 1 3 | 20 53 | 0 37 | 20 1 | 1 27 | 9 58 | 16 35 | 2 21 | 1 55 | 18 7 | 2 6 | 3 48 |
| F 16 | 10 39 | 18 22 | 5 12 | 15 59 | 1 12 | 15 56 | 0 3 | 23 59 | 2 10 | 8 25 | 1 32 | 20 35 | 1 2 | 20 53 | 0 37 | 20 1 | 1 27 | 9 58 | 16 35 | 2 20 | 1 54 | 18 7 | 2 5 | 3 48 |
| S 17 | 11 0 | 17 55 | 5 13 | 16 34 | 1 18 | 16 21 | 0 1 | 23 51 | 2 8 | 8 22 | 1 32 | 20 35 | 1 2 | 20 53 | 0 37 | 20 2 | 1 27 | 9 57 | 16 35 | 2 19 | 1 53 | 18 6 | 2 4 | 3 48 |
| S 18 | 11 22 | 16 41 | 5 1 | 17 7 | 1 24 | 16 46 | 0s 2 | 23 42 | 2 7 | 8 19 | 1 32 | 20 34 | 1 2 | 20 53 | 0 37 | 20 2 | 1 27 | 9 56 | 16 35 | 2 19 | 1 52 | 18 6 | 2 3 | 3 48 |
| M19 | 11 43 | 14 44 | 4 35 | 17 40 | 1 30 | 17 9 | 0 4 | 23 34 | 2 5 | 8 16 | 1 32 | 20 34 | 1 2 | 20 53 | 0 37 | 20 2 | 1 27 | 9 55 | 16 35 | 2 19 | 1 50 | 18 5 | 2 2 | 3 48 |
| T 20 | 12 4 | 12 7 | 3 58 | 18 12 | 1 36 | 17 33 | 0 7 | 23 25 | 2 4 | 8 13 | 1 31 | 20 34 | 1 2 | 20 53 | 0 37 | 20 3 | 1 27 | 9 55 | 16 35 | 2 19 | 1 49 | 18 5 | 2 1 | 3 48 |
| W21 | 12 25 | 8 55 | 3 8 | 18 43 | 1 41 | 17 56 | 0 10 | 23 16 | 2 2 | 8 10 | 1 31 | 20 33 | 1 2 | 20 52 | 0 37 | 20 3 | 1 27 | 9 54 | 16 35 | 2 20 | 1 48 | 18 5 | 2 0 | 3 47 |
| T 22 | 12 46 | 5 15 | 2 9 | 19 13 | 1 46 | 18 18 | 0 12 | 23 7 | 2 1 | 8 7 | 1 31 | 20 33 | 1 2 | 20 52 | 0 37 | 20 4 | 1 27 | 9 53 | 16 36 | 2 20 | 1 47 | 18 4 | 1 59 | 3 47 |
| F 23 | 13 7 | 1 14 | 1 2 | 19 42 | 1 51 | 18 40 | 0 15 | 22 57 | 2 0 | 8 5 | 1 31 | 20 32 | 1 2 | 20 52 | 0 37 | 20 4 | 1 27 | 9 53 | 16 36 | 2 21 | 1 45 | 18 4 | 1 58 | 3 47 |
| S 24 | 13 27 | 2n59 | 0s11 | 20 11 | 1 56 | 19 2 | 0 17 | 22 48 | 1 58 | 8 2 | 1 31 | 20 32 | 1 2 | 20 52 | 0 37 | 20 4 | 1 27 | 9 52 | 16 36 | 2 21 | 1 44 | 18 3 | 1 57 | 3 47 |
| S 25 | 13 47 | 7 9 | 1 25 | 20 38 | 2 1 | 19 23 | 0 20 | 22 38 | 1 57 | 7 59 | 1 31 | 20 31 | 1 2 | 20 51 | 0 37 | 20 5 | 1 27 | 9 51 | 16 36 | 2 21 | 1 43 | 18 3 | 1 56 | 3 47 |
| M26 | 14 7 | 11 2 | 2 36 | 21 4 | 2 5 | 19 44 | 0 22 | 22 28 | 1 55 | 7 56 | 1 31 | 20 30 | 1 2 | 20 51 | 0 37 | 20 5 | 1 27 | 9 51 | 16 36 | 2 20 | 1 41 | 18 3 | 1 55 | 3 46 |
| T 27 | 14 27 | 14 21 | 3 38 | 21 29 | 2 9 | 20 3 | 0 25 | 22 18 | 1 54 | 7 54 | 1 30 | 20 30 | 1 2 | 20 51 | 0 37 | 20 5 | 1 27 | 9 50 | 16 37 | 2 18 | 1 40 | 18 2 | 1 54 | 3 46 |
| W28 | 14 46 | 16 48 | 4 27 | 21 53 | 2 13 | 20 23 | 0 27 | 22 7 | 1 53 | 7 51 | 1 30 | 20 29 | 1 2 | 20 51 | 0 37 | 20 6 | 1 27 | 9 49 | 16 37 | 2 16 | 1 39 | 18 2 | 1 54 | 3 46 |
| T 29 | 15 5 | 18 10 | 4 59 | 22 15 | 2 17 | 20 42 | 0 30 | 21 57 | 1 51 | 7 49 | 1 30 | 20 29 | 1 2 | 20 50 | 0 37 | 20 6 | 1 27 | 9 49 | 16 37 | 2 14 | 1 38 | 18 1 | 1 53 | 3 46 |
| F 30 | 15 24 | 18 20 | 5 11 | 22 37 | 2 20 | 21 0 | 0 32 | 21 46 | 1 50 | 7 46 | 1 30 | 20 28 | 1 2 | 20 50 | 0 37 | 20 6 | 1 27 | 9 48 | 16 37 | 2 12 | 1 36 | 18 1 | 1 52 | 3 46 |
| S 31 | 15s43 | 17n17 | 5s 3 | 22s57 | 2s23 | 21s18 | 0s35 | 21s35 | 1s48 | 7n43 | 1s30 | 20s27 | 1s 2 | 20s50 | 0s37 | 20s 7 | 1n27 | 9n47 | 16n38 | 2s11 | 1s35 | 18s 0 | 1n51 | 3n45 |

Julian Day Number = 2083293.5, Delta T = 25m04s
Ecliptic obliquity = 23°34'03, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'16, Lahiri = 9°48'16 Julian Calendar 1 Oct. 991 == Greg. Calendar 6 Oct. 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## NOVEMBER 991 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 2 59 47 | 13♏38'32 | 2♌48 | 3♐ 5 | 3♐31 | 2♒41 | 23°R13 | 3♒40 | 0♒11 | 6♐44 | 13♎58 | 5°R25 | 3♎55 | 11♑17 | 25°R59 | S 1 |
| M 2 | 3 3 43 | 14°39'13 | 16°51 | 4°26 | 4°46 | 3°24 | 23♈ 6 | 3°43 | 0°12 | 6°46 | 14° 0 | 5°D24 | 3°52 | 11°24 | 25♓57 | M 2 |
| T 3 | 3 7 40 | 15°39'56 | 0♍39 | 5°46 | 6° 1 | 4° 7 | 22°59 | 3°46 | 0°13 | 6°48 | 14° 2 | 5♎25 | 3°49 | 11°31 | 25°56 | T 3 |
| W 4 | 3 11 36 | 16°40'41 | 14°11 | 7° 4 | 7°16 | 4°50 | 22°52 | 3°49 | 0°15 | 6°50 | 14° 4 | 5°27 | 3°45 | 11°38 | 25°54 | W 4 |
| T 5 | 3 15 33 | 17°41'27 | 27°29 | 8°21 | 8°30 | 5°33 | 22°45 | 3°52 | 0°16 | 6°52 | 14° 7 | 5°28 | 3°42 | 11°44 | 25°53 | T 5 |
| F 6 | 3 19 30 | 18°42'15 | 10♎33 | 9°35 | 9°45 | 6°15 | 22°39 | 3°56 | 0°18 | 6°55 | 14° 9 | 5°R28 | 3°39 | 11°51 | 25°51 | F 6 |
| S 7 | 3 23 26 | 19°43'04 | 23°26 | 10°47 | 11° 0 | 6°58 | 22°32 | 3°59 | 0°20 | 6°57 | 14°11 | 5°26 | 3°36 | 11°58 | 25°50 | S 7 |
| S 8 | 3 27 23 | 20°43'55 | 6♏ 7 | 11°57 | 12°15 | 7°41 | 22°26 | 4° 3 | 0°21 | 6°59 | 14°13 | 5°22 | 3°33 | 12° 4 | 25°49 | S 8 |
| M 9 | 3 31 19 | 21°44'47 | 18°39 | 13° 5 | 13°30 | 8°25 | 22°20 | 4° 6 | 0°23 | 7° 1 | 14°15 | 5°16 | 3°29 | 12°11 | 25°47 | M 9 |
| T 10 | 3 35 16 | 22°45'41 | 0♐59 | 14° 8 | 14°45 | 9° 8 | 22°14 | 4°10 | 0°25 | 7° 3 | 14°17 | 5° 8 | 3°26 | 12°18 | 25°46 | T 10 |
| W11 | 3 39 12 | 23°46'35 | 13°11 | 15° 8 | 15°59 | 9°51 | 22° 8 | 4°14 | 0°27 | 7° 6 | 14°19 | 4°58 | 3°23 | 12°25 | 25°45 | W11 |
| T 12 | 3 43 9 | 24°47'31 | 25°14 | 16° 4 | 17°14 | 10°34 | 22° 2 | 4°18 | 0°28 | 7° 8 | 14°21 | 4°48 | 3°20 | 12°31 | 25°44 | T 12 |
| F 13 | 3 47 5 | 25°48'28 | 7♑10 | 16°55 | 18°29 | 11°17 | 21°57 | 4°22 | 0°30 | 7°10 | 14°23 | 4°39 | 3°17 | 12°38 | 25°43 | F 13 |
| S 14 | 3 51 2 | 26°49'25 | 19° 2 | 17°41 | 19°44 | 12° 0 | 21°51 | 4°26 | 0°32 | 7°12 | 14°25 | 4°30 | 3°14 | 12°45 | 25°42 | S 14 |
| S 15 | 3 54 59 | 27°50'24 | 0♒52 | 18°20 | 20°59 | 12°44 | 21°46 | 4°30 | 0°34 | 7°14 | 14°27 | 4°24 | 3°10 | 12°51 | 25°41 | S 15 |
| M16 | 3 58 55 | 28°51'23 | 12°45 | 18°52 | 22°13 | 13°27 | 21°41 | 4°34 | 0°36 | 7°17 | 14°29 | 4°20 | 3° 7 | 12°58 | 25°40 | M16 |
| T 17 | 4 2 52 | 29°52'23 | 24°45 | 19°16 | 23°28 | 14°10 | 21°36 | 4°39 | 0°38 | 7°19 | 14°30 | 4°D19 | 3° 4 | 13° 5 | 25°39 | T 17 |
| W18 | 4 6 48 | 0♐53'23 | 6♓57 | 19°32 | 24°43 | 14°54 | 21°31 | 4°43 | 0°41 | 7°21 | 14°32 | 4°19 | 3° 1 | 13°12 | 25°38 | W18 |
| T 19 | 4 10 45 | 1°54'24 | 19°26 | 19°R38 | 25°57 | 15°37 | 21°27 | 4°48 | 0°43 | 7°23 | 14°34 | 4°20 | 2°58 | 13°18 | 25°38 | T 19 |
| F 20 | 4 14 41 | 2°55'26 | 2♈18 | 19°33 | 27°12 | 16°21 | 21°23 | 4°52 | 0°45 | 7°26 | 14°36 | 4°R20 | 2°54 | 13°25 | 25°37 | F 20 |
| S 21 | 4 18 38 | 3°56'29 | 15°36 | 19°18 | 28°27 | 17° 4 | 21°18 | 4°57 | 0°47 | 7°28 | 14°38 | 4°20 | 2°51 | 13°32 | 25°36 | S 21 |
| S 22 | 4 22 34 | 4°57'31 | 29°22 | 18°51 | 29°41 | 17°47 | 21°15 | 5° 1 | 0°49 | 7°30 | 14°39 | 4°17 | 2°48 | 13°39 | 25°36 | S 22 |
| M23 | 4 26 31 | 5°58'35 | 13♉37 | 18°12 | 0♑56 | 18°31 | 21°11 | 5° 6 | 0°52 | 7°33 | 14°41 | 4°12 | 2°45 | 13°45 | 25°35 | M23 |
| T 24 | 4 30 28 | 6°59'39 | 28°17 | 17°23 | 2°11 | 19°14 | 21° 7 | 5°11 | 0°54 | 7°35 | 14°43 | 4° 4 | 2°42 | 13°52 | 25°35 | T 24 |
| W25 | 4 34 24 | 8° 0'44 | 13♊15 | 16°23 | 3°25 | 19°58 | 21° 4 | 5°16 | 0°56 | 7°37 | 14°44 | 3°55 | 2°39 | 13°59 | 25°34 | W25 |
| T 26 | 4 38 21 | 9° 1'50 | 28°22 | 15°14 | 4°40 | 20°41 | 21° 1 | 5°21 | 0°59 | 7°39 | 14°46 | 3°44 | 2°35 | 14° 5 | 25°34 | T 26 |
| F 27 | 4 42 17 | 10° 2'56 | 13♋28 | 13°58 | 5°55 | 21°25 | 20°58 | 5°26 | 1° 1 | 7°42 | 14°48 | 3°34 | 2°32 | 14°12 | 25°34 | F 27 |
| S 28 | 4 46 14 | 11° 4'03 | 28°23 | 12°37 | 7° 9 | 22° 8 | 20°55 | 5°31 | 1° 4 | 7°44 | 14°49 | 3°26 | 2°29 | 14°19 | 25°33 | S 28 |
| S 29 | 4 50 10 | 12° 5'11 | 13♌ 0 | 11°14 | 8°24 | 22°52 | 20°52 | 5°36 | 1° 6 | 7°46 | 14°51 | 3°20 | 2°26 | 14°26 | 25°33 | S 29 |
| M30 | 4 54 7 | 13♐ 6'20 | 27♌13 | 9♐52 | 9♑38 | 23♒35 | 20♈50 | 5♒42 | 1♒ 9 | 7♐48 | 14♎52 | 3♎17 | 2♎23 | 14♑32 | 25♓33 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s 1 | 15n 9 | 4s36 | 23s16 | 2s25 | 21s35 | 0s37 | 21s24 | 1s47 | 7n41 | 1s30 | 20s26 | 1s 2 | 20s49 | 0s37 | 20s 7 | 1n27 | 9n47 | 16n38 | 2s10 | 1s34 | 18s 0 | 1n50 | 3n45 |
| M 2 | 16 19 | 12 10 | 3 53 | 23 33 | 2 27 | 21 51 | 0 40 | 21 13 | 1 46 | 7 39 | 1 29 | 20 26 | 1 2 | 20 49 | 0 37 | 20 8 | 1 27 | 9 46 | 16 38 | 2 10 | 1 33 | 18 0 | 1 49 | 3 45 |
| T 3 | 16 37 | 8 32 | 2 58 | 23 49 | 2 29 | 22 7 | 0 42 | 21 1 | 1 44 | 7 36 | 1 29 | 20 25 | 1 2 | 20 49 | 0 37 | 20 8 | 1 27 | 9 46 | 16 38 | 2 10 | 1 31 | 17 59 | 1 48 | 3 45 |
| W 4 | 16 55 | 4 31 | 1 53 | 24 4 | 2 30 | 22 22 | 0 45 | 20 49 | 1 43 | 7 34 | 1 29 | 20 24 | 1 2 | 20 48 | 0 37 | 20 8 | 1 27 | 9 45 | 16 39 | 2 10 | 1 30 | 17 59 | 1 48 | 3 45 |
| T 5 | 17 12 | 0 21 | 0 43 | 24 17 | 2 30 | 22 37 | 0 47 | 20 38 | 1 42 | 7 32 | 1 29 | 20 23 | 1 2 | 20 48 | 0 37 | 20 9 | 1 27 | 9 45 | 16 39 | 2 11 | 1 29 | 17 58 | 1 47 | 3 44 |
| F 6 | 17 29 | 3s47 | 0n28 | 24 29 | 2 30 | 22 51 | 0 49 | 20 25 | 1 40 | 7 29 | 1 28 | 20 23 | 1 2 | 20 48 | 0 37 | 20 9 | 1 27 | 9 44 | 16 39 | 2 11 | 1 27 | 17 58 | 1 46 | 3 44 |
| S 7 | 17 46 | 7 40 | 1 36 | 24 39 | 2 29 | 23 4 | 0 52 | 20 13 | 1 39 | 7 27 | 1 28 | 20 22 | 1 2 | 20 47 | 0 37 | 20 10 | 1 27 | 9 44 | 16 40 | 2 10 | 1 26 | 17 57 | 1 45 | 3 44 |
| S 8 | 18 2 | 11 9 | 2 38 | 24 47 | 2 28 | 23 16 | 0 54 | 20 1 | 1 37 | 7 25 | 1 28 | 20 21 | 1 2 | 20 47 | 0 37 | 20 10 | 1 27 | 9 43 | 16 40 | 2 9 | 1 25 | 17 57 | 1 45 | 3 44 |
| M 9 | 18 18 | 14 5 | 3 31 | 24 54 | 2 26 | 23 28 | 0 56 | 19 48 | 1 36 | 7 23 | 1 28 | 20 20 | 1 2 | 20 47 | 0 37 | 20 10 | 1 27 | 9 43 | 16 40 | 2 6 | 1 24 | 17 56 | 1 44 | 3 43 |
| T 10 | 18 34 | 16 19 | 4 14 | 24 59 | 2 23 | 23 39 | 0 59 | 19 35 | 1 35 | 7 21 | 1 27 | 20 19 | 1 2 | 20 46 | 0 37 | 20 11 | 1 27 | 9 42 | 16 41 | 2 3 | 1 22 | 17 56 | 1 43 | 3 43 |
| W11 | 18 49 | 17 48 | 4 45 | 25 2 | 2 19 | 23 50 | 1 1 | 19 22 | 1 33 | 7 19 | 1 27 | 20 18 | 1 2 | 20 46 | 0 37 | 20 11 | 1 27 | 9 42 | 16 41 | 1 59 | 1 21 | 17 55 | 1 43 | 3 43 |
| T 12 | 19 4 | 18 27 | 5 2 | 25 3 | 2 14 | 24 0 | 1 3 | 19 9 | 1 32 | 7 17 | 1 27 | 20 17 | 1 2 | 20 45 | 0 37 | 20 11 | 1 27 | 9 41 | 16 41 | 1 55 | 1 20 | 17 55 | 1 42 | 3 43 |
| F 13 | 19 19 | 18 17 | 5 6 | 25 3 | 2 8 | 24 9 | 1 5 | 18 56 | 1 31 | 7 15 | 1 27 | 20 16 | 1 2 | 20 45 | 0 37 | 20 12 | 1 27 | 9 41 | 16 42 | 1 51 | 1 19 | 17 54 | 1 41 | 3 43 |
| S 14 | 19 33 | 17 19 | 4 56 | 25 0 | 2 1 | 24 17 | 1 7 | 18 43 | 1 29 | 7 13 | 1 26 | 20 15 | 1 2 | 20 44 | 0 37 | 20 12 | 1 27 | 9 41 | 16 42 | 1 48 | 1 17 | 17 54 | 1 41 | 3 42 |
| S 15 | 19 47 | 15 36 | 4 34 | 24 56 | 1 53 | 24 25 | 1 9 | 18 29 | 1 28 | 7 12 | 1 26 | 20 14 | 1 2 | 20 44 | 0 37 | 20 13 | 1 27 | 9 40 | 16 42 | 1 46 | 1 16 | 17 54 | 1 40 | 3 42 |
| M16 | 20 1 | 13 14 | 4 0 | 24 49 | 1 44 | 24 31 | 1 11 | 18 15 | 1 27 | 7 10 | 1 26 | 20 13 | 1 2 | 20 43 | 0 37 | 20 13 | 1 27 | 9 40 | 16 43 | 1 44 | 1 15 | 17 53 | 1 40 | 3 42 |
| T 17 | 20 14 | 10 16 | 3 16 | 24 41 | 1 33 | 24 38 | 1 13 | 18 1 | 1 25 | 7 8 | 1 26 | 20 12 | 1 2 | 20 43 | 0 37 | 20 13 | 1 27 | 9 39 | 16 43 | 1 43 | 1 14 | 17 53 | 1 39 | 3 42 |
| W18 | 20 27 | 6 49 | 2 21 | 24 30 | 1 21 | 24 43 | 1 15 | 17 47 | 1 24 | 7 7 | 1 25 | 20 11 | 1 2 | 20 43 | 0 37 | 20 14 | 1 27 | 9 39 | 16 44 | 1 43 | 1 12 | 17 52 | 1 38 | 3 41 |
| T 19 | 20 39 | 3 0 | 1 19 | 24 17 | 1 8 | 24 47 | 1 17 | 17 33 | 1 23 | 7 6 | 1 25 | 20 10 | 1 2 | 20 42 | 0 37 | 20 14 | 1 27 | 9 39 | 16 44 | 1 44 | 1 11 | 17 52 | 1 38 | 3 41 |
| F 20 | 20 51 | 1n 5 | 0 11 | 24 2 | 0 53 | 24 51 | 1 19 | 17 19 | 1 21 | 7 4 | 1 25 | 20 9 | 1 2 | 20 42 | 0 37 | 20 15 | 1 27 | 9 39 | 16 44 | 1 44 | 1 10 | 17 51 | 1 37 | 3 41 |
| S 21 | 21 3 | 5 15 | 1s 0 | 23 44 | 0 36 | 24 54 | 1 21 | 17 4 | 1 20 | 7 3 | 1 25 | 20 8 | 1 2 | 20 41 | 0 37 | 20 15 | 1 27 | 9 38 | 16 45 | 1 44 | 1 8 | 17 51 | 1 37 | 3 41 |
| S 22 | 21 14 | 9 17 | 2 9 | 23 24 | 0 19 | 24 57 | 1 23 | 16 50 | 1 19 | 7 2 | 1 24 | 20 6 | 1 2 | 20 41 | 0 37 | 20 15 | 1 27 | 9 38 | 16 45 | 1 43 | 1 7 | 17 50 | 1 37 | 3 40 |
| M23 | 21 25 | 12 56 | 3 13 | 23 2 | 0n 0 | 24 58 | 1 24 | 16 35 | 1 17 | 7 1 | 1 24 | 20 5 | 1 2 | 20 40 | 0 37 | 20 16 | 1 27 | 9 38 | 16 46 | 1 41 | 1 6 | 17 50 | 1 36 | 3 40 |
| T 24 | 21 36 | 15 53 | 4 6 | 22 38 | 0 20 | 24 59 | 1 26 | 16 20 | 1 16 | 7 0 | 1 24 | 20 4 | 1 1 | 20 39 | 0 36 | 20 16 | 1 27 | 9 38 | 16 46 | 1 38 | 1 5 | 17 49 | 1 36 | 3 40 |
| W25 | 21 46 | 17 49 | 4 44 | 22 12 | 0 40 | 24 59 | 1 28 | 16 5 | 1 15 | 6 59 | 1 23 | 20 3 | 1 1 | 20 39 | 0 36 | 20 16 | 1 27 | 9 37 | 16 46 | 1 34 | 1 3 | 17 49 | 1 35 | 3 40 |
| T 26 | 21 55 | 18 32 | 5 1 | 21 45 | 1 0 | 24 58 | 1 29 | 15 50 | 1 14 | 6 58 | 1 23 | 20 2 | 1 1 | 20 38 | 0 36 | 20 17 | 1 27 | 9 37 | 16 47 | 1 30 | 1 2 | 17 48 | 1 35 | 3 39 |
| F 27 | 22 5 | 17 56 | 4 58 | 21 16 | 1 20 | 24 57 | 1 31 | 15 35 | 1 12 | 6 57 | 1 23 | 20 0 | 1 1 | 20 38 | 0 36 | 20 17 | 1 27 | 9 37 | 16 47 | 1 26 | 1 1 | 17 48 | 1 35 | 3 39 |
| S 28 | 22 13 | 16 6 | 4 35 | 20 47 | 1 39 | 24 54 | 1 32 | 15 19 | 1 11 | 6 56 | 1 22 | 19 59 | 1 1 | 20 37 | 0 36 | 20 18 | 1 27 | 9 37 | 16 48 | 1 22 | 1 0 | 17 47 | 1 34 | 3 39 |
| S 29 | 22 22 | 13 16 | 3 54 | 20 19 | 1 57 | 24 51 | 1 33 | 15 4 | 1 10 | 6 55 | 1 22 | 19 58 | 1 1 | 20 37 | 0 36 | 20 18 | 1 27 | 9 37 | 16 48 | 1 20 | 0 58 | 17 47 | 1 34 | 3 39 |
| M30 | 22s30 | 9n42 | 2s59 | 19s51 | 2n13 | 24s47 | 1s35 | 14s48 | 1s 9 | 6n55 | 1s22 | 19s56 | 1s 1 | 20s36 | 0s36 | 20s18 | 1n27 | 9n36 | 16n49 | 1s19 | 0s57 | 17s46 | 1n34 | 3n38 |

Julian Day Number = 2083324.5, Delta T = 25m04s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'20, Lahiri = 9°48'21 Julian Calendar 1 Nov. 991 == Greg. Calendar 6 Nov. 991


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# ASTRODIENST EPHEMERIS for the year 991
# geocentric

## DECEMBER 991 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 58 4 | 14♐ 7'29 | 11♍ 3 | 8°R34 | 10♑53 | 24♒19 | 20°R48 | 5♒47 | 1♒12 | 7♐51 | 14♎54 | 3°D16 | 2♎20 | 14♑39 | 25°R33 | T 1 |
| W 2 | 5 2 0 | 15° 8'39 | 24°30 | 7♐21 | 12° 7 | 25° 2 | 20♈46 | 5°52 | 1°14 | 7°53 | 14°55 | 3♎16 | 2°16 | 14°46 | 25°D33 | W 2 |
| T 3 | 5 5 57 | 16° 9'50 | 7♎36 | 6°16 | 13°22 | 25°46 | 20°44 | 5°58 | 1°17 | 7°55 | 14°57 | 3°R16 | 2°13 | 14°52 | 25♓33 | T 3 |
| F 4 | 5 9 53 | 17°11'02 | 20°26 | 5°21 | 14°36 | 26°30 | 20°42 | 6° 3 | 1°20 | 7°57 | 14°58 | 3°15 | 2°10 | 14°59 | 25°33 | F 4 |
| S 5 | 5 13 50 | 18°12'14 | 3♏ 1 | 4°36 | 15°51 | 27°13 | 20°41 | 6° 9 | 1°22 | 8° 0 | 14°59 | 3°12 | 2° 7 | 15° 6 | 25°33 | S 5 |
| S 6 | 5 17 46 | 19°13'26 | 15°26 | 4° 1 | 17° 5 | 27°57 | 20°40 | 6°15 | 1°25 | 8° 2 | 15° 1 | 3° 5 | 2° 4 | 15°13 | 25°33 | S 6 |
| M 7 | 5 21 43 | 20°14'39 | 27°41 | 3°37 | 18°20 | 28°40 | 20°39 | 6°20 | 1°28 | 8° 4 | 15° 2 | 2°55 | 2° 0 | 15°19 | 25°34 | M 7 |
| T 8 | 5 25 39 | 21°15'53 | 9♐50 | 3°24 | 19°34 | 29°24 | 20°38 | 6°26 | 1°31 | 8° 6 | 15° 3 | 2°43 | 1°57 | 15°26 | 25°34 | T 8 |
| W 9 | 5 29 36 | 22°17'06 | 21°52 | 3°D20 | 20°48 | 0♓ 7 | 20°38 | 6°32 | 1°34 | 8° 9 | 15° 5 | 2°29 | 1°54 | 15°33 | 25°34 | W 9 |
| T 10 | 5 33 33 | 23°18'20 | 3♑49 | 3°26 | 22° 3 | 0°51 | 20°37 | 6°38 | 1°37 | 8°11 | 15° 6 | 2°14 | 1°51 | 15°39 | 25°35 | T 10 |
| F 11 | 5 37 29 | 24°19'34 | 15°42 | 3°40 | 23°17 | 1°35 | 20°D37 | 6°44 | 1°40 | 8°13 | 15° 7 | 1°59 | 1°48 | 15°46 | 25°35 | F 11 |
| S 12 | 5 41 26 | 25°20'48 | 27°33 | 4° 2 | 24°31 | 2°18 | 20°37 | 6°50 | 1°42 | 8°15 | 15° 8 | 1°46 | 1°45 | 15°53 | 25°36 | S 12 |
| S 13 | 5 45 22 | 26°22'01 | 9♒23 | 4°32 | 25°46 | 3° 2 | 20°38 | 6°56 | 1°45 | 8°17 | 15° 9 | 1°35 | 1°41 | 16° 0 | 25°36 | S 13 |
| M14 | 5 49 19 | 27°23'14 | 21°16 | 5° 7 | 27° 0 | 3°45 | 20°38 | 7° 2 | 1°48 | 8°20 | 15°10 | 1°28 | 1°38 | 16° 6 | 25°37 | M14 |
| T 15 | 5 53 15 | 28°24'27 | 3♓14 | 5°48 | 28°14 | 4°29 | 20°39 | 7° 8 | 1°52 | 8°22 | 15°11 | 1°24 | 1°35 | 16°13 | 25°38 | T 15 |
| W16 | 5 57 12 | 29°25'40 | 15°23 | 6°34 | 29°28 | 5°13 | 20°40 | 7°14 | 1°55 | 8°24 | 15°12 | 1°22 | 1°32 | 16°20 | 25°38 | W16 |
| T 17 | 6 1 8 | 0♑26'52 | 27°47 | 7°25 | 0♒43 | 5°56 | 20°41 | 7°21 | 1°58 | 8°26 | 15°13 | 1°21 | 1°29 | 16°27 | 25°39 | T 17 |
| F 18 | 6 5 5 | 1°28'04 | 10♈32 | 8°20 | 1°57 | 6°40 | 20°43 | 7°27 | 2° 1 | 8°28 | 15°14 | 1°21 | 1°26 | 16°33 | 25°40 | F 18 |
| S 19 | 6 9 2 | 2°29'15 | 23°42 | 9°18 | 3°11 | 7°23 | 20°44 | 7°33 | 2° 4 | 8°30 | 15°15 | 1°20 | 1°22 | 16°40 | 25°41 | S 19 |
| S 20 | 6 12 58 | 3°30'26 | 7♉21 | 10°20 | 4°25 | 8° 7 | 20°46 | 7°40 | 2° 7 | 8°32 | 15°16 | 1°17 | 1°19 | 16°47 | 25°42 | S 20 |
| M21 | 6 16 55 | 4°31'36 | 21°30 | 11°25 | 5°39 | 8°50 | 20°48 | 7°46 | 2°10 | 8°34 | 15°17 | 1°11 | 1°16 | 16°53 | 25°43 | M21 |
| T 22 | 6 20 51 | 5°32'46 | 6♊ 9 | 12°32 | 6°53 | 9°34 | 20°50 | 7°53 | 2°13 | 8°37 | 15°18 | 1° 3 | 1°13 | 17° 0 | 25°44 | T 22 |
| W23 | 6 24 48 | 6°33'55 | 21°12 | 13°41 | 8° 7 | 10°17 | 20°52 | 7°59 | 2°17 | 8°39 | 15°18 | 0°52 | 1°10 | 17° 7 | 25°45 | W23 |
| T 24 | 6 28 44 | 7°35'04 | 6♋30 | 14°53 | 9°21 | 11° 1 | 20°55 | 8° 6 | 2°20 | 8°41 | 15°19 | 0°41 | 1° 6 | 17°14 | 25°46 | T 24 |
| F 25 | 6 32 41 | 8°36'12 | 21°52 | 16° 6 | 10°34 | 11°44 | 20°58 | 8°12 | 2°23 | 8°43 | 15°20 | 0°29 | 1° 3 | 17°20 | 25°47 | F 25 |
| S 26 | 6 36 37 | 9°37'20 | 7♌ 6 | 17°21 | 11°48 | 12°27 | 21° 1 | 8°19 | 2°26 | 8°45 | 15°21 | 0°20 | 1° 0 | 17°27 | 25°49 | S 26 |
| S 27 | 6 40 34 | 10°38'27 | 22° 1 | 18°38 | 13° 2 | 13°11 | 21° 4 | 8°26 | 2°30 | 8°47 | 15°21 | 0°12 | 0°57 | 17°34 | 25°50 | S 27 |
| M28 | 6 44 31 | 11°39'34 | 6♍32 | 19°56 | 14°16 | 13°54 | 21° 7 | 8°32 | 2°33 | 8°49 | 15°22 | 0° 8 | 0°54 | 17°40 | 25°51 | M28 |
| T 29 | 6 48 27 | 12°40'41 | 20°34 | 21°15 | 15°29 | 14°38 | 21°11 | 8°39 | 2°36 | 8°51 | 15°22 | 0° 6 | 0°51 | 17°47 | 25°53 | T 29 |
| W30 | 6 52 24 | 13°41'47 | 4♎ 8 | 22°36 | 16°43 | 15°21 | 21°15 | 8°46 | 2°40 | 8°53 | 15°23 | 0°D 6 | 0°47 | 17°54 | 25°54 | W30 |
| T 31 | 6 56 20 | 14♑42'53 | 17♎16 | 23♐58 | 17♒57 | 16♓ 4 | 21♈18 | 8♒53 | 2♒43 | 8♐55 | 15♎23 | 0°R 6 | 0♎44 | 18♑ 1 | 25♓56 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s37 | 5n41 | 1s55 | 19s26 | 2n27 | 24s43 | 1s36 | 14s33 | 1s 7 | 6n54 | 1s21 | 19s55 | 1s 1 | 20s35 | 0s36 | 20s19 | 1n27 | 9n36 | 16n49 | 1s18 | 0s56 | 17s46 | 1n33 | 3n38 |
| W 2 | 22 44 | 1 29 | 0 46 | 19 3 | 2 39 | 24 37 | 1 37 | 14 17 | 1 6 | 6 54 | 1 21 | 19 54 | 1 1 | 20 35 | 0 36 | 20 19 | 1 27 | 9 36 | 16 50 | 1 18 | 0 55 | 17 45 | 1 33 | 3 38 |
| T 3 | 22 51 | 2s41 | 0n23 | 18 43 | 2 48 | 24 31 | 1 38 | 14 1 | 1 5 | 6 53 | 1 21 | 19 52 | 1 1 | 20 34 | 0 36 | 20 19 | 1 27 | 9 36 | 16 50 | 1 19 | 0 53 | 17 44 | 1 33 | 3 38 |
| F 4 | 22 57 | 6 38 | 1 30 | 18 26 | 2 55 | 24 24 | 1 39 | 13 45 | 1 4 | 6 53 | 1 21 | 19 51 | 1 1 | 20 34 | 0 36 | 20 20 | 1 27 | 9 36 | 16 51 | 1 18 | 0 52 | 17 44 | 1 33 | 3 37 |
| S 5 | 23 2 | 10 14 | 2 31 | 18 14 | 3 0 | 24 17 | 1 40 | 13 29 | 1 2 | 6 53 | 1 20 | 19 50 | 1 1 | 20 33 | 0 36 | 20 20 | 1 27 | 9 36 | 16 51 | 1 17 | 0 51 | 17 43 | 1 33 | 3 37 |
| S 6 | 23 8 | 13 18 | 3 23 | 18 5 | 3 2 | 24 8 | 1 41 | 13 12 | 1 1 | 6 53 | 1 20 | 19 48 | 1 1 | 20 32 | 0 36 | 20 20 | 1 27 | 9 36 | 16 52 | 1 14 | 0 49 | 17 43 | 1 32 | 3 37 |
| M 7 | 23 12 | 15 46 | 4 6 | 18 0 | 3 3 | 23 59 | 1 42 | 12 56 | 1 0 | 6 53 | 1 20 | 19 47 | 1 1 | 20 32 | 0 36 | 20 21 | 1 27 | 9 36 | 16 52 | 1 10 | 0 48 | 17 42 | 1 32 | 3 37 |
| T 8 | 23 17 | 17 29 | 4 36 | 17 58 | 3 2 | 23 50 | 1 43 | 12 40 | 0 59 | 6 53 | 1 19 | 19 45 | 1 1 | 20 31 | 0 36 | 20 21 | 1 27 | 9 36 | 16 53 | 1 5 | 0 47 | 17 42 | 1 32 | 3 36 |
| W 9 | 23 20 | 18 25 | 4 55 | 18 0 | 2 59 | 23 39 | 1 43 | 12 23 | 0 57 | 6 53 | 1 19 | 19 44 | 1 1 | 20 30 | 0 36 | 20 21 | 1 27 | 9 36 | 16 53 | 0 59 | 0 46 | 17 41 | 1 32 | 3 36 |
| T 10 | 23 24 | 18 31 | 4 59 | 18 5 | 2 56 | 23 28 | 1 44 | 12 6 | 0 56 | 6 53 | 1 19 | 19 42 | 1 1 | 20 30 | 0 36 | 20 22 | 1 27 | 9 36 | 16 54 | 0 53 | 0 44 | 17 41 | 1 32 | 3 36 |
| F 11 | 23 27 | 17 49 | 4 51 | 18 12 | 2 51 | 23 16 | 1 45 | 11 50 | 0 55 | 6 53 | 1 18 | 19 41 | 1 1 | 20 29 | 0 36 | 20 22 | 1 27 | 9 36 | 16 54 | 0 48 | 0 43 | 17 40 | 1 32 | 3 36 |
| S 12 | 23 29 | 16 21 | 4 30 | 18 22 | 2 45 | 23 3 | 1 45 | 11 33 | 0 54 | 6 54 | 1 18 | 19 39 | 1 1 | 20 28 | 0 36 | 20 23 | 1 27 | 9 36 | 16 55 | 0 42 | 0 42 | 17 40 | 1 32 | 3 35 |
| S 13 | 23 31 | 14 11 | 3 58 | 18 33 | 2 39 | 22 50 | 1 45 | 11 16 | 0 53 | 6 54 | 1 18 | 19 38 | 1 1 | 20 28 | 0 36 | 20 23 | 1 27 | 9 36 | 16 55 | 0 38 | 0 41 | 17 39 | 1 32 | 3 35 |
| M14 | 23 32 | 11 25 | 3 15 | 18 47 | 2 32 | 22 36 | 1 46 | 10 59 | 0 52 | 6 54 | 1 17 | 19 36 | 1 1 | 20 27 | 0 36 | 20 23 | 1 27 | 9 36 | 16 56 | 0 35 | 0 39 | 17 38 | 1 32 | 3 35 |
| T 15 | 23 33 | 8 9 | 2 23 | 19 1 | 2 24 | 22 21 | 1 46 | 10 42 | 0 50 | 6 55 | 1 17 | 19 35 | 1 1 | 20 26 | 0 36 | 20 24 | 1 27 | 9 36 | 16 56 | 0 33 | 0 38 | 17 38 | 1 32 | 3 35 |
| W16 | 23 34 | 4 30 | 1 23 | 19 17 | 2 16 | 22 6 | 1 46 | 10 25 | 0 49 | 6 56 | 1 17 | 19 33 | 1 1 | 20 26 | 0 36 | 20 24 | 1 27 | 9 36 | 16 57 | 0 33 | 0 37 | 17 37 | 1 32 | 3 34 |
| T 17 | 23 34 | 0 36 | 0 19 | 19 33 | 2 8 | 21 50 | 1 46 | 10 8 | 0 48 | 6 56 | 1 16 | 19 31 | 1 1 | 20 25 | 0 36 | 20 24 | 1 27 | 9 37 | 16 57 | 0 32 | 0 35 | 17 37 | 1 32 | 3 34 |
| F 18 | 23 34 | 3n27 | 0s48 | 19 51 | 2 0 | 21 34 | 1 46 | 9 50 | 0 47 | 6 57 | 1 16 | 19 30 | 1 1 | 20 24 | 0 36 | 20 24 | 1 27 | 9 37 | 16 58 | 0 32 | 0 34 | 17 36 | 1 32 | 3 34 |
| S 19 | 23 33 | 7 28 | 1 55 | 20 8 | 1 51 | 21 16 | 1 46 | 9 33 | 0 46 | 6 58 | 1 16 | 19 28 | 1 1 | 20 23 | 0 36 | 20 25 | 1 27 | 9 37 | 16 59 | 0 32 | 0 33 | 17 36 | 1 32 | 3 34 |
| S 20 | 23 31 | 11 14 | 2 58 | 20 26 | 1 42 | 20 59 | 1 46 | 9 16 | 0 45 | 6 59 | 1 15 | 19 27 | 1 1 | 20 23 | 0 36 | 20 25 | 1 27 | 9 37 | 16 59 | 0 31 | 0 32 | 17 35 | 1 33 | 3 33 |
| M21 | 23 29 | 14 30 | 3 52 | 20 44 | 1 34 | 20 40 | 1 46 | 8 58 | 0 44 | 7 0 | 1 15 | 19 25 | 1 1 | 20 22 | 0 36 | 20 25 | 1 27 | 9 37 | 17 0 | 0 29 | 0 30 | 17 35 | 1 33 | 3 33 |
| T 22 | 23 27 | 16 58 | 4 33 | 21 1 | 1 25 | 20 21 | 1 46 | 8 41 | 0 42 | 7 1 | 1 15 | 19 23 | 1 2 | 20 21 | 0 36 | 20 26 | 1 27 | 9 37 | 17 0 | 0 25 | 0 29 | 17 34 | 1 33 | 3 33 |
| W23 | 23 24 | 18 21 | 4 56 | 21 19 | 1 16 | 20 2 | 1 45 | 8 23 | 0 41 | 7 2 | 1 14 | 19 21 | 1 2 | 20 21 | 0 36 | 20 26 | 1 27 | 9 38 | 17 1 | 0 21 | 0 28 | 17 33 | 1 33 | 3 33 |
| T 24 | 23 21 | 18 26 | 4 59 | 21 36 | 1 7 | 19 42 | 1 45 | 8 6 | 0 40 | 7 4 | 1 14 | 19 20 | 1 2 | 20 20 | 0 36 | 20 26 | 1 27 | 9 38 | 17 1 | 0 16 | 0 27 | 17 33 | 1 33 | 3 32 |
| F 25 | 23 17 | 17 10 | 4 40 | 21 52 | 0 58 | 19 21 | 1 44 | 7 48 | 0 39 | 7 5 | 1 14 | 19 18 | 1 2 | 20 19 | 0 36 | 20 27 | 1 27 | 9 38 | 17 2 | 0 12 | 0 25 | 17 32 | 1 34 | 3 32 |
| S 26 | 23 13 | 14 42 | 4 1 | 22 8 | 0 50 | 19 0 | 1 44 | 7 30 | 0 38 | 7 6 | 1 13 | 19 16 | 1 2 | 20 18 | 0 36 | 20 27 | 1 27 | 9 38 | 17 2 | 0 8 | 0 24 | 17 32 | 1 34 | 3 32 |
| S 27 | 23 8 | 11 18 | 3 7 | 22 24 | 0 41 | 18 38 | 1 43 | 7 13 | 0 37 | 7 8 | 1 13 | 19 15 | 1 2 | 20 18 | 0 36 | 20 27 | 1 27 | 9 39 | 17 3 | 0 5 | 0 23 | 17 31 | 1 34 | 3 32 |
| M28 | 23 3 | 7 17 | 2 1 | 22 39 | 0 32 | 18 16 | 1 42 | 6 55 | 0 36 | 7 10 | 1 13 | 19 13 | 1 2 | 20 17 | 0 36 | 20 28 | 1 27 | 9 39 | 17 4 | 0 3 | 0 21 | 17 30 | 1 35 | 3 32 |
| T 29 | 22 58 | 2 59 | 0 50 | 22 53 | 0 24 | 17 53 | 1 41 | 6 37 | 0 35 | 7 11 | 1 13 | 19 11 | 1 2 | 20 16 | 0 36 | 20 28 | 1 27 | 9 39 | 17 4 | 0 3 | 0 20 | 17 30 | 1 35 | 3 31 |
| W30 | 22 51 | 1s20 | 0n21 | 23 6 | 0 16 | 17 30 | 1 40 | 6 19 | 0 34 | 7 13 | 1 12 | 19 9 | 1 2 | 20 15 | 0 36 | 20 28 | 1 27 | 9 40 | 17 5 | 0 2 | 0 19 | 17 29 | 1 35 | 3 31 |
| T 31 | 22s45 | 5s26 | 1n30 | 23s18 | 0n 8 | 17s 6 | 1s39 | 6s 1 | 0s33 | 7n15 | 1s12 | 19s 8 | 1s 2 | 20s14 | 0s36 | 20s28 | 1n27 | 9n40 | 17n 5 | 0s 3 | 0s18 | 17s29 | 1n36 | 3n31 |

Julian Day Number = 2083354.5, Delta T = 25m03s
Ecliptic obliquity = 23°34'02, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'24, Lahiri = 9°48'25 Julian Calendar 1 Dec. 991 == Greg. Calendar 6 Dec. 991


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## JANUARY 992 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 0 17 | 15♉43'58 | 0♏ 3 | 25♐20 | 19♒10 | 16♓48 | 21♈23 | 9♒ 0 | 2♒46 | 8♐56 | 15♎24 | 0°R 5 | 0♎41 | 18♉ 7 | 25♓57 | F 1 |
| S 2 | 7 4 13 | 16°45'03 | 12°32 | 26°44 | 20°24 | 17°31 | 21°27 | 9° 7 | 2°50 | 8°58 | 15°24 | 0♎ 3 | 0°38 | 18°14 | 25°59 | S 2 |
| S 3 | 7 8 10 | 17°46'07 | 24°48 | 28° 9 | 21°37 | 18°14 | 21°31 | 9°14 | 2°53 | 9° 0 | 15°25 | 29♍57 | 0°35 | 18°21 | 26° 1 | S 3 |
| M 4 | 7 12 6 | 18°47'11 | 6♐53 | 29°34 | 22°50 | 18°57 | 21°36 | 9°21 | 2°57 | 9° 2 | 15°25 | 29°48 | 0°32 | 18°27 | 26° 2 | M 4 |
| T 5 | 7 16 3 | 19°48'15 | 18°53 | 1♉ 0 | 24° 4 | 19°41 | 21°41 | 9°27 | 3° 0 | 9° 4 | 15°25 | 29°37 | 0°28 | 18°34 | 26° 4 | T 5 |
| W 6 | 7 20 0 | 20°49'17 | 0♉48 | 2°28 | 25°17 | 20°24 | 21°46 | 9°34 | 3° 3 | 9° 6 | 15°25 | 29°24 | 0°25 | 18°41 | 26° 6 | W 6 |
| T 7 | 7 23 56 | 21°50'19 | 12°40 | 3°56 | 26°30 | 21° 7 | 21°51 | 9°42 | 3° 7 | 9° 8 | 15°26 | 29°11 | 0°22 | 18°48 | 26° 8 | T 7 |
| F 8 | 7 27 53 | 22°51'19 | 24°32 | 5°24 | 27°43 | 21°50 | 21°57 | 9°49 | 3°10 | 9° 9 | 15°26 | 28°57 | 0°19 | 18°54 | 26°10 | F 8 |
| S 9 | 7 31 49 | 23°52'19 | 6♒24 | 6°54 | 28°57 | 22°34 | 22° 2 | 9°56 | 3°14 | 9°11 | 15°26 | 28°45 | 0°16 | 19° 1 | 26°12 | S 9 |
| S 10 | 7 35 46 | 24°53'18 | 18°17 | 8°24 | 0♓10 | 23°17 | 22° 8 | 10° 3 | 3°17 | 9°13 | 15°26 | 28°36 | 0°12 | 19° 8 | 26°14 | S 10 |
| M11 | 7 39 42 | 25°54'15 | 0♓15 | 9°55 | 1°23 | 24° 0 | 22°14 | 10°10 | 3°21 | 9°15 | 15°26 | 28°29 | 0° 9 | 19°14 | 26°16 | M11 |
| T 12 | 7 43 39 | 26°55'11 | 12°18 | 11°27 | 2°36 | 24°43 | 22°20 | 10°17 | 3°24 | 9°16 | 15°26 | 28°25 | 0° 6 | 19°21 | 26°18 | T 12 |
| W13 | 7 47 35 | 27°56'06 | 24°30 | 12°59 | 3°48 | 25°26 | 22°26 | 10°24 | 3°28 | 9°18 | 15°R26 | 28°D24 | 0° 3 | 19°28 | 26°20 | W13 |
| T 14 | 7 51 32 | 28°56'59 | 6♈56 | 14°32 | 5° 1 | 26° 9 | 22°33 | 10°31 | 3°31 | 9°20 | 15°26 | 28°24 | 29♍59 | 19°35 | 26°22 | T 14 |
| F 15 | 7 55 29 | 29°57'51 | 19°38 | 16° 6 | 6°14 | 26°52 | 22°39 | 10°38 | 3°35 | 9°21 | 15°26 | 28°25 | 29°57 | 19°41 | 26°24 | F 15 |
| S 16 | 7 59 25 | 0♒58'41 | 2♉42 | 17°41 | 7°26 | 27°35 | 22°46 | 10°46 | 3°38 | 9°23 | 15°26 | 28°R25 | 29°53 | 19°48 | 26°27 | S 16 |
| S 17 | 8 3 22 | 1°59'30 | 16°12 | 19°16 | 8°39 | 28°18 | 22°53 | 10°53 | 3°42 | 9°24 | 15°26 | 28°24 | 29°50 | 19°55 | 26°29 | S 17 |
| M18 | 8 7 18 | 3° 0'18 | 0♊ 8 | 20°52 | 9°51 | 29° 1 | 23° 0 | 11° 0 | 3°45 | 9°26 | 15°26 | 28°21 | 29°47 | 20° 1 | 26°31 | M18 |
| T 19 | 8 11 15 | 4° 1'03 | 14°33 | 22°29 | 11° 4 | 29°44 | 23° 7 | 11° 7 | 3°49 | 9°27 | 15°26 | 28°16 | 29°44 | 20° 8 | 26°34 | T 19 |
| W20 | 8 15 11 | 5° 1'48 | 29°23 | 24° 7 | 12°16 | 0♈27 | 23°15 | 11°15 | 3°52 | 9°29 | 15°25 | 28° 8 | 29°41 | 20°15 | 26°36 | W20 |
| T 21 | 8 19 8 | 6° 2'30 | 14♋31 | 25°45 | 13°28 | 1°10 | 23°22 | 11°22 | 3°56 | 9°30 | 15°25 | 28° 0 | 29°38 | 20°22 | 26°39 | T 21 |
| F 22 | 8 23 4 | 7° 3'11 | 29°48 | 27°24 | 14°41 | 1°52 | 23°30 | 11°29 | 3°59 | 9°32 | 15°25 | 27°52 | 29°34 | 20°28 | 26°41 | F 22 |
| S 23 | 8 27 1 | 8° 3'51 | 15♌ 4 | 29° 4 | 15°53 | 2°35 | 23°38 | 11°36 | 4° 3 | 9°33 | 15°24 | 27°45 | 29°31 | 20°35 | 26°44 | S 23 |
| S 24 | 8 30 58 | 9° 4'29 | 0♍ 6 | 0♒45 | 17° 5 | 3°18 | 23°46 | 11°44 | 4° 6 | 9°34 | 15°24 | 27°40 | 29°28 | 20°42 | 26°46 | S 24 |
| M25 | 8 34 54 | 10° 5'05 | 14°47 | 2°27 | 18°16 | 4° 1 | 23°54 | 11°51 | 4°10 | 9°36 | 15°24 | 27°37 | 29°25 | 20°48 | 26°49 | M25 |
| T 26 | 8 38 51 | 11° 5'41 | 29° 2 | 4°10 | 19°28 | 4°43 | 24° 2 | 11°58 | 4°13 | 9°37 | 15°23 | 27°D37 | 29°22 | 20°55 | 26°52 | T 26 |
| W27 | 8 42 47 | 12° 6'15 | 12♎48 | 5°53 | 20°40 | 5°26 | 24°11 | 12° 5 | 4°17 | 9°38 | 15°23 | 27°37 | 29°18 | 21° 2 | 26°54 | W27 |
| T 28 | 8 46 44 | 13° 6'47 | 26° 6 | 7°38 | 21°51 | 6° 9 | 24°19 | 12°13 | 4°20 | 9°40 | 15°22 | 27°39 | 29°15 | 21° 9 | 26°57 | T 28 |
| F 29 | 8 50 40 | 14° 7'19 | 8♏58 | 9°23 | 23° 3 | 6°51 | 24°28 | 12°20 | 4°23 | 9°41 | 15°22 | 27°R40 | 29°12 | 21°15 | 27° 0 | F 29 |
| S 30 | 8 54 37 | 15° 7'49 | 21°30 | 11° 9 | 24°14 | 7°34 | 24°37 | 12°27 | 4°27 | 9°42 | 15°21 | 27°40 | 29° 9 | 21°22 | 27° 2 | S 30 |
| S 31 | 8 58 33 | 16♒ 8'18 | 3♐46 | 12♒57 | 25♓25 | 8♈16 | 24♈46 | 12♒34 | 4♒30 | 9♐43 | 15♎20 | 27♍38 | 29♍ 6 | 21♉29 | 27♓ 5 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s38 | 9s11 | 2n32 | 23s29 | 0s 0 | 16s42 | 1s38 | 5s43 | 0s32 | 7n16 | 1s12 | 19s 6 | 1s 2 | 20s14 | 0s36 | 20s29 | 1n27 | 9n40 | 17n 6 | 0s 2 | 0s16 | 17s28 | 1n36 | 3n31 |
| S 2 | 22 31 | 12 26 | 3 25 | 23 40 | 0 8 | 16 18 | 1 37 | 5 26 | 0 30 | 7 18 | 1 11 | 19 4 | 1 2 | 20 13 | 0 36 | 20 29 | 1 27 | 9 41 | 17 6 | 0 1 | 0 15 | 17 27 | 1 37 | 3 30 |
| S 3 | 22 23 | 15 4 | 4 7 | 23 49 | 0 16 | 15 53 | 1 35 | 5 8 | 0 29 | 7 20 | 1 11 | 19 2 | 1 2 | 20 12 | 0 36 | 20 29 | 1 27 | 9 41 | 17 7 | 0n 1 | 0 14 | 17 27 | 1 37 | 3 30 |
| M 4 | 22 15 | 17 0 | 4 38 | 23 57 | 0 23 | 15 27 | 1 34 | 4 50 | 0 28 | 7 22 | 1 11 | 19 0 | 1 2 | 20 11 | 0 36 | 20 29 | 1 27 | 9 42 | 17 8 | 0 5 | 0 13 | 17 26 | 1 38 | 3 30 |
| T 5 | 22 6 | 18 11 | 4 56 | 24 4 | 0 30 | 15 2 | 1 33 | 4 32 | 0 27 | 7 24 | 1 10 | 18 58 | 1 2 | 20 11 | 0 36 | 20 30 | 1 27 | 9 42 | 17 8 | 0 9 | 0 11 | 17 26 | 1 38 | 3 30 |
| W 6 | 21 57 | 18 33 | 5 1 | 24 10 | 0 37 | 14 35 | 1 31 | 4 14 | 0 26 | 7 27 | 1 10 | 18 57 | 1 2 | 20 10 | 0 36 | 20 30 | 1 27 | 9 42 | 17 9 | 0 14 | 0 10 | 17 25 | 1 39 | 3 29 |
| T 7 | 21 47 | 18 6 | 4 53 | 24 15 | 0 44 | 14 9 | 1 29 | 3 56 | 0 25 | 7 29 | 1 10 | 18 55 | 1 2 | 20 9 | 0 36 | 20 30 | 1 27 | 9 43 | 17 9 | 0 20 | 0 9 | 17 24 | 1 39 | 3 29 |
| F 8 | 21 37 | 16 52 | 4 32 | 24 18 | 0 51 | 13 42 | 1 28 | 3 38 | 0 24 | 7 31 | 1 9 | 18 53 | 1 2 | 20 8 | 0 36 | 20 30 | 1 27 | 9 43 | 17 10 | 0 25 | 0 8 | 17 24 | 1 40 | 3 29 |
| S 9 | 21 27 | 14 54 | 4 0 | 24 20 | 0 57 | 13 15 | 1 26 | 3 19 | 0 23 | 7 34 | 1 9 | 18 51 | 1 2 | 20 7 | 0 36 | 20 31 | 1 27 | 9 44 | 17 10 | 0 30 | 0 6 | 17 23 | 1 40 | 3 29 |
| S 10 | 21 16 | 12 19 | 3 17 | 24 21 | 1 3 | 12 47 | 1 24 | 3 1 | 0 22 | 7 36 | 1 9 | 18 49 | 1 2 | 20 7 | 0 36 | 20 31 | 1 27 | 9 44 | 17 11 | 0 34 | 0 5 | 17 22 | 1 41 | 3 29 |
| M11 | 21 5 | 9 12 | 2 24 | 24 21 | 1 9 | 12 19 | 1 22 | 2 43 | 0 21 | 7 38 | 1 9 | 18 47 | 1 2 | 20 6 | 0 36 | 20 31 | 1 27 | 9 45 | 17 12 | 0 36 | 0 4 | 17 22 | 1 41 | 3 28 |
| T 12 | 20 53 | 5 41 | 1 25 | 24 19 | 1 15 | 11 51 | 1 20 | 2 25 | 0 20 | 7 41 | 1 8 | 18 45 | 1 2 | 20 5 | 0 36 | 20 31 | 1 27 | 9 45 | 17 12 | 0 38 | 0 2 | 17 21 | 1 42 | 3 28 |
| W13 | 20 41 | 1 53 | 0 21 | 24 16 | 1 20 | 11 22 | 1 18 | 2 7 | 0 19 | 7 44 | 1 8 | 18 43 | 1 2 | 20 4 | 0 36 | 20 32 | 1 27 | 9 46 | 17 13 | 0 39 | 0 1 | 17 20 | 1 43 | 3 28 |
| T 14 | 20 29 | 2n 4 | 0s46 | 24 11 | 1 25 | 10 54 | 1 16 | 1 49 | 0 18 | 7 46 | 1 8 | 18 41 | 1 2 | 20 3 | 0 36 | 20 32 | 1 27 | 9 46 | 17 13 | 0 38 | 0n 0 | 17 20 | 1 43 | 3 28 |
| F 15 | 20 16 | 6 0 | 1 51 | 24 5 | 1 30 | 10 25 | 1 13 | 1 31 | 0 17 | 7 49 | 1 7 | 18 40 | 1 2 | 20 2 | 0 36 | 20 32 | 1 27 | 9 47 | 17 14 | 0 38 | 0 1 | 17 19 | 1 44 | 3 28 |
| S 16 | 20 3 | 9 46 | 2 53 | 23 58 | 1 35 | 9 55 | 1 11 | 1 13 | 0 17 | 7 52 | 1 7 | 18 38 | 1 2 | 20 2 | 0 36 | 20 32 | 1 27 | 9 47 | 17 14 | 0 38 | 0 3 | 17 19 | 1 45 | 3 27 |
| S 17 | 19 49 | 13 8 | 3 47 | 23 49 | 1 39 | 9 26 | 1 9 | 0 55 | 0 16 | 7 55 | 1 7 | 18 36 | 1 2 | 20 1 | 0 36 | 20 32 | 1 27 | 9 48 | 17 15 | 0 38 | 0 4 | 17 18 | 1 46 | 3 27 |
| M18 | 19 35 | 15 53 | 4 30 | 23 38 | 1 43 | 8 56 | 1 6 | 0 37 | 0 15 | 7 57 | 1 7 | 18 34 | 1 2 | 20 0 | 0 36 | 20 33 | 1 27 | 9 49 | 17 16 | 0 40 | 0 5 | 17 17 | 1 46 | 3 27 |
| T 19 | 19 21 | 17 44 | 4 58 | 23 26 | 1 47 | 8 26 | 1 3 | 0 19 | 0 14 | 8 0 | 1 6 | 18 32 | 1 2 | 19 59 | 0 36 | 20 33 | 1 27 | 9 49 | 17 16 | 0 42 | 0 6 | 17 17 | 1 47 | 3 27 |
| W20 | 19 7 | 18 28 | 5 6 | 23 13 | 1 50 | 7 56 | 1 1 | 0 1 | 0 13 | 8 3 | 1 6 | 18 30 | 1 3 | 19 58 | 0 36 | 20 33 | 1 27 | 9 50 | 17 17 | 0 45 | 0 8 | 17 16 | 1 48 | 3 27 |
| T 21 | 18 52 | 17 54 | 4 54 | 22 58 | 1 53 | 7 25 | 0 58 | 0n17 | 0 12 | 8 6 | 1 6 | 18 28 | 1 3 | 19 58 | 0 36 | 20 33 | 1 27 | 9 50 | 17 17 | 0 48 | 0 9 | 17 15 | 1 49 | 3 26 |
| F 22 | 18 36 | 16 3 | 4 20 | 22 41 | 1 56 | 6 55 | 0 55 | 0 35 | 0 11 | 8 10 | 1 6 | 18 26 | 1 3 | 19 57 | 0 36 | 20 33 | 1 27 | 9 51 | 17 18 | 0 51 | 0 10 | 17 15 | 1 50 | 3 26 |
| S 23 | 18 21 | 13 5 | 3 29 | 22 23 | 1 58 | 6 24 | 0 52 | 0 53 | 0 10 | 8 13 | 1 5 | 18 24 | 1 3 | 19 56 | 0 36 | 20 34 | 1 28 | 9 52 | 17 18 | 0 54 | 0 12 | 17 14 | 1 50 | 3 26 |
| S 24 | 18 5 | 9 16 | 2 23 | 22 3 | 2 0 | 5 53 | 0 49 | 1 11 | 0 9 | 8 16 | 1 5 | 18 22 | 1 3 | 19 55 | 0 36 | 20 34 | 1 28 | 9 52 | 17 19 | 0 56 | 0 13 | 17 13 | 1 51 | 3 26 |
| M25 | 17 49 | 4 58 | 1 9 | 21 42 | 2 2 | 5 22 | 0 46 | 1 29 | 0 8 | 8 19 | 1 5 | 18 20 | 1 3 | 19 54 | 0 36 | 20 34 | 1 28 | 9 53 | 17 19 | 0 57 | 0 14 | 17 13 | 1 52 | 3 26 |
| T 26 | 17 32 | 0 30 | 0n 8 | 21 19 | 2 3 | 4 51 | 0 43 | 1 46 | 0 7 | 8 22 | 1 4 | 18 18 | 1 3 | 19 53 | 0 36 | 20 34 | 1 28 | 9 54 | 17 20 | 0 57 | 0 15 | 17 12 | 1 53 | 3 25 |
| W27 | 17 15 | 3s50 | 1 21 | 20 54 | 2 4 | 4 20 | 0 40 | 2 4 | 0 6 | 8 26 | 1 4 | 18 16 | 1 3 | 19 53 | 0 36 | 20 34 | 1 28 | 9 54 | 17 20 | 0 57 | 0 17 | 17 11 | 1 54 | 3 25 |
| T 28 | 16 58 | 7 50 | 2 28 | 20 28 | 2 4 | 3 49 | 0 37 | 2 22 | 0 6 | 8 29 | 1 4 | 18 14 | 1 3 | 19 52 | 0 36 | 20 34 | 1 28 | 9 55 | 17 21 | 0 56 | 0 18 | 17 11 | 1 55 | 3 25 |
| F 29 | 16 41 | 11 20 | 3 25 | 20 0 | 2 4 | 3 17 | 0 34 | 2 40 | 0 5 | 8 33 | 1 4 | 18 12 | 1 3 | 19 51 | 0 36 | 20 35 | 1 28 | 9 56 | 17 21 | 0 56 | 0 19 | 17 10 | 1 56 | 3 25 |
| S 30 | 16 23 | 14 12 | 4 10 | 19 30 | 2 4 | 2 46 | 0 30 | 2 57 | 0 4 | 8 36 | 1 3 | 18 10 | 1 3 | 19 50 | 0 36 | 20 35 | 1 28 | 9 56 | 17 22 | 0 56 | 0 20 | 17 9 | 1 57 | 3 25 |
| S 31 | 16s 5 | 16s22 | 4n43 | 18s59 | 2s 3 | 2s14 | 0s27 | 3n15 | 0s 3 | 8n40 | 1s 3 | 18s 8 | 1s 3 | 19s49 | 0s36 | 20s35 | 1n28 | 9n57 | 17n22 | 0n57 | 0n22 | 17s 8 | 1n58 | 3n25 |

Julian Day Number = 2083385.5, Delta T = 25m03s
Ecliptic obliquity = 23°34'02, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'29, Lahiri = 9°48'29 Julian Calendar 1 Jan. 992 == Greg. Calendar 6 Jan. 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## FEBRUARY 992 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 2 30 | 17♒ 8'45 | 15♐49 | 14♒45 | 26♓37 | 8♈59 | 24♈55 | 12♒42 | 4♒34 | 9♐44 | 15°R20 | 27°R34 | 29♍ 3 | 21♉35 | 27♓ 8 | M 1 |
| T 2 | 9 6 27 | 18° 9'11 | 27°45 | 16°34 | 27°48 | 9°41 | 25° 4 | 12°49 | 4°37 | 9°46 | 15♎19 | 27♍29 | 28°59 | 21°42 | 27°11 | T 2 |
| W 3 | 9 10 23 | 19° 9'35 | 9♉36 | 18°24 | 28°59 | 10°24 | 25°13 | 12°56 | 4°41 | 9°47 | 15°18 | 27°22 | 28°56 | 21°49 | 27°14 | W 3 |
| T 4 | 9 14 20 | 20° 9'58 | 21°27 | 20°14 | 0♈10 | 11° 6 | 25°23 | 13° 4 | 4°44 | 9°48 | 15°18 | 27°15 | 28°53 | 21°56 | 27°17 | T 4 |
| F 5 | 9 18 16 | 21°10'20 | 3♒19 | 22° 6 | 1°20 | 11°48 | 25°32 | 13°11 | 4°47 | 9°49 | 15°17 | 27° 8 | 28°50 | 22° 2 | 27°20 | F 5 |
| S 6 | 9 22 13 | 22°10'39 | 15°14 | 23°59 | 2°31 | 12°31 | 25°42 | 13°18 | 4°51 | 9°50 | 15°16 | 27° 1 | 28°47 | 22° 9 | 27°23 | S 6 |
| S 7 | 9 26 9 | 23°10'57 | 27°14 | 25°52 | 3°41 | 13°13 | 25°52 | 13°25 | 4°54 | 9°51 | 15°15 | 26°56 | 28°44 | 22°16 | 27°26 | S 7 |
| M 8 | 9 30 6 | 24°11'13 | 9♓21 | 27°46 | 4°52 | 13°55 | 26° 2 | 13°32 | 4°58 | 9°52 | 15°14 | 26°53 | 28°40 | 22°22 | 27°29 | M 8 |
| T 9 | 9 34 2 | 25°11'26 | 21°36 | 29°40 | 6° 2 | 14°38 | 26°12 | 13°40 | 5° 1 | 9°53 | 15°13 | 26°D52 | 28°37 | 22°29 | 27°32 | T 9 |
| W10 | 9 37 59 | 26°11'38 | 4♈ 1 | 1♓35 | 7°12 | 15°20 | 26°22 | 13°47 | 5° 4 | 9°53 | 15°13 | 26°52 | 28°34 | 22°36 | 27°35 | W10 |
| T 11 | 9 41 56 | 27°11'48 | 16°38 | 3°31 | 8°22 | 16° 2 | 26°32 | 13°54 | 5° 7 | 9°54 | 15°12 | 26°53 | 28°31 | 22°43 | 27°38 | T 11 |
| F 12 | 9 45 52 | 28°11'56 | 29°29 | 5°26 | 9°32 | 16°44 | 26°43 | 14° 1 | 5°11 | 9°55 | 15°11 | 26°55 | 28°28 | 22°49 | 27°41 | F 12 |
| S 13 | 9 49 49 | 29°12'02 | 12♉38 | 7°22 | 10°42 | 17°26 | 26°53 | 14° 8 | 5°14 | 9°56 | 15°10 | 26°56 | 28°24 | 22°56 | 27°44 | S 13 |
| S 14 | 9 53 45 | 0♓12'05 | 26° 5 | 9°18 | 11°51 | 18° 8 | 27° 4 | 14°15 | 5°17 | 9°57 | 15° 9 | 26°R57 | 28°21 | 23° 3 | 27°48 | S 14 |
| M15 | 9 57 42 | 1°12'07 | 9♊54 | 11°13 | 13° 1 | 18°50 | 27°15 | 14°22 | 5°21 | 9°57 | 15° 7 | 26°57 | 28°18 | 23° 9 | 27°51 | M15 |
| T 16 | 10 1 38 | 2°12'06 | 24° 4 | 13° 7 | 14°10 | 19°32 | 27°26 | 14°29 | 5°24 | 9°58 | 15° 6 | 26°55 | 28°15 | 23°16 | 27°54 | T 16 |
| W17 | 10 5 35 | 3°12'03 | 8♋33 | 15° 0 | 15°19 | 20°14 | 27°36 | 14°36 | 5°27 | 9°59 | 15° 5 | 26°53 | 28°12 | 23°23 | 27°57 | W17 |
| T 18 | 10 9 31 | 4°11'57 | 23°19 | 16°52 | 16°28 | 20°56 | 27°47 | 14°43 | 5°30 | 9°59 | 15° 4 | 26°50 | 28° 9 | 23°30 | 28° 1 | T 18 |
| F 19 | 10 13 28 | 5°11'50 | 8♌14 | 18°42 | 17°37 | 21°38 | 27°59 | 14°50 | 5°33 | 10° 0 | 15° 3 | 26°47 | 28° 5 | 23°36 | 28° 4 | F 19 |
| S 20 | 10 17 25 | 6°11'40 | 23°12 | 20°29 | 18°45 | 22°20 | 28°10 | 14°57 | 5°36 | 10° 0 | 15° 2 | 26°44 | 28° 2 | 23°43 | 28° 7 | S 20 |
| S 21 | 10 21 21 | 7°11'28 | 8♍ 2 | 22°14 | 19°54 | 23° 2 | 28°21 | 15° 4 | 5°40 | 10° 1 | 15° 1 | 26°43 | 27°59 | 23°50 | 28°11 | S 21 |
| M22 | 10 25 18 | 8°11'14 | 22°38 | 23°56 | 21° 2 | 23°44 | 28°33 | 15°11 | 5°43 | 10° 1 | 14°59 | 26°D42 | 27°56 | 23°56 | 28°14 | M22 |
| T 23 | 10 29 14 | 9°10'58 | 6♎54 | 25°34 | 22°10 | 24°25 | 28°44 | 15°18 | 5°46 | 10° 2 | 14°58 | 26°42 | 27°53 | 24° 3 | 28°17 | T 23 |
| W24 | 10 33 11 | 10°10'40 | 20°45 | 27° 7 | 23°18 | 25° 7 | 28°56 | 15°25 | 5°49 | 10° 2 | 14°57 | 26°43 | 27°49 | 24°10 | 28°21 | W24 |
| T 25 | 10 37 7 | 11°10'21 | 4♏10 | 28°36 | 24°25 | 25°49 | 29° 7 | 15°32 | 5°52 | 10° 2 | 14°55 | 26°44 | 27°46 | 24°17 | 28°24 | T 25 |
| F 26 | 10 41 4 | 12° 9'59 | 17°10 | 0♈ 0 | 25°33 | 26°30 | 29°19 | 15°39 | 5°55 | 10° 3 | 14°54 | 26°45 | 27°43 | 24°23 | 28°27 | F 26 |
| S 27 | 10 45 0 | 13° 9'36 | 29°48 | 1°18 | 26°40 | 27°12 | 29°31 | 15°45 | 5°58 | 10° 3 | 14°53 | 26°46 | 27°40 | 24°30 | 28°31 | S 27 |
| S 28 | 10 48 57 | 14° 9'11 | 12♐ 8 | 2°30 | 27°47 | 27°54 | 29°43 | 15°52 | 6° 1 | 10° 3 | 14°51 | 26°R47 | 27°37 | 24°37 | 28°34 | S 28 |
| M29 | 10 52 53 | 15♓ 8'45 | 24♐14 | 3♈36 | 28♈54 | 28♈35 | 29♈55 | 15♒59 | 6♒ 4 | 10♐ 4 | 14♎50 | 26♍47 | 27♍34 | 24♉43 | 28♓38 | M29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 15s47 | 17s47 | 5n 3 | 18s26 | 2s 1 | 1s43 | 0s23 | 3n33 | 0s 2 | 8n43 | 1s 3 | 18s 6 | 1s 3 | 19s48 | 0s36 | 20s35 | 1n28 | 9n58 | 17n23 | 0n58 | 0n23 | 17s 8 | 1n59 | 3n24 |
| T 2 | 15 28 | 18 23 | 5 10 | 17 51 | 1 59 | 1 11 | 0 20 | 3 50 | 0 1 | 8 47 | 1 3 | 18 4 | 1 3 | 19 48 | 0 36 | 20 35 | 1 28 | 9 58 | 17 24 | 1 0 | 0 24 | 17 7 | 2 0 | 3 24 |
| W 3 | 15 9 | 18 11 | 5 3 | 17 15 | 1 57 | 0 39 | 0 16 | 4 8 | 0 1 | 8 50 | 1 2 | 18 2 | 1 3 | 19 47 | 0 36 | 20 35 | 1 28 | 9 59 | 17 24 | 1 3 | 0 26 | 17 6 | 2 1 | 3 24 |
| T 4 | 14 50 | 17 11 | 4 43 | 16 37 | 1 54 | 0 8 | 0 13 | 4 25 | 0n 0 | 8 54 | 1 2 | 18 0 | 1 4 | 19 46 | 0 36 | 20 35 | 1 28 | 10 0 | 17 24 | 1 6 | 0 27 | 17 6 | 2 2 | 3 24 |
| F 5 | 14 31 | 15 27 | 4 11 | 15 58 | 1 51 | 0n24 | 0 9 | 4 43 | 0 1 | 8 58 | 1 2 | 17 58 | 1 4 | 19 45 | 0 36 | 20 35 | 1 28 | 10 1 | 17 25 | 1 9 | 0 28 | 17 5 | 2 3 | 3 24 |
| S 6 | 14 12 | 13 3 | 3 27 | 15 16 | 1 47 | 0 56 | 0 5 | 5 0 | 0 2 | 9 2 | 1 2 | 17 56 | 1 4 | 19 44 | 0 36 | 20 36 | 1 28 | 10 1 | 17 25 | 1 11 | 0 29 | 17 4 | 2 4 | 3 24 |
| S 7 | 13 52 | 10 4 | 2 35 | 14 34 | 1 42 | 1 27 | 0 1 | 5 17 | 0 3 | 9 5 | 1 2 | 17 54 | 1 4 | 19 44 | 0 36 | 20 36 | 1 28 | 10 2 | 17 26 | 1 13 | 0 31 | 17 4 | 2 5 | 3 23 |
| M 8 | 13 32 | 6 39 | 1 34 | 13 50 | 1 37 | 1 59 | 0n 2 | 5 35 | 0 4 | 9 9 | 1 1 | 17 52 | 1 4 | 19 43 | 0 36 | 20 36 | 1 28 | 10 3 | 17 26 | 1 15 | 0 32 | 17 3 | 2 6 | 3 23 |
| T 9 | 13 12 | 2 54 | 0 29 | 13 4 | 1 31 | 2 30 | 0 6 | 5 52 | 0 4 | 9 13 | 1 1 | 17 50 | 1 4 | 19 42 | 0 36 | 20 36 | 1 28 | 10 4 | 17 27 | 1 15 | 0 33 | 17 2 | 2 7 | 3 23 |
| W10 | 12 51 | 1n 0 | 0s39 | 12 17 | 1 25 | 3 2 | 0 10 | 6 9 | 0 5 | 9 17 | 1 1 | 17 48 | 1 4 | 19 41 | 0 36 | 20 36 | 1 28 | 10 4 | 17 27 | 1 15 | 0 34 | 17 1 | 2 8 | 3 23 |
| T 11 | 12 31 | 4 56 | 1 46 | 11 29 | 1 18 | 3 33 | 0 14 | 6 26 | 0 6 | 9 21 | 1 1 | 17 46 | 1 4 | 19 40 | 0 36 | 20 36 | 1 28 | 10 5 | 17 28 | 1 15 | 0 36 | 17 1 | 2 9 | 3 23 |
| F 12 | 12 10 | 8 43 | 2 50 | 10 39 | 1 10 | 4 5 | 0 18 | 6 43 | 0 7 | 9 25 | 1 0 | 17 44 | 1 4 | 19 40 | 0 36 | 20 36 | 1 28 | 10 6 | 17 28 | 1 14 | 0 37 | 17 0 | 2 10 | 3 23 |
| S 13 | 11 49 | 12 8 | 3 45 | 9 48 | 1 2 | 4 36 | 0 22 | 7 0 | 0 7 | 9 29 | 1 0 | 17 42 | 1 4 | 19 39 | 0 36 | 20 36 | 1 28 | 10 7 | 17 29 | 1 13 | 0 38 | 16 59 | 2 11 | 3 23 |
| S 14 | 11 28 | 15 0 | 4 30 | 8 56 | 0 53 | 5 7 | 0 26 | 7 17 | 0 8 | 9 33 | 1 0 | 17 40 | 1 4 | 19 38 | 0 36 | 20 36 | 1 28 | 10 7 | 17 29 | 1 13 | 0 39 | 16 58 | 2 13 | 3 22 |
| M15 | 11 6 | 17 6 | 5 1 | 8 4 | 0 43 | 5 38 | 0 31 | 7 33 | 0 9 | 9 37 | 1 0 | 17 38 | 1 4 | 19 37 | 0 36 | 20 36 | 1 28 | 10 8 | 17 29 | 1 13 | 0 41 | 16 58 | 2 14 | 3 22 |
| T 16 | 10 45 | 18 12 | 5 14 | 7 11 | 0 33 | 6 9 | 0 35 | 7 50 | 0 10 | 9 41 | 1 0 | 17 36 | 1 5 | 19 37 | 0 36 | 20 36 | 1 28 | 10 9 | 17 30 | 1 14 | 0 42 | 16 57 | 2 15 | 3 22 |
| W17 | 10 23 | 18 10 | 5 8 | 6 17 | 0 23 | 6 40 | 0 39 | 8 7 | 0 10 | 9 45 | 0 59 | 17 34 | 1 5 | 19 36 | 0 36 | 20 36 | 1 29 | 10 10 | 17 30 | 1 15 | 0 43 | 16 56 | 2 16 | 3 22 |
| T 18 | 10 1 | 16 55 | 4 42 | 5 23 | 0 11 | 7 10 | 0 43 | 8 23 | 0 11 | 9 49 | 0 59 | 17 32 | 1 5 | 19 35 | 0 36 | 20 36 | 1 29 | 10 11 | 17 31 | 1 16 | 0 45 | 16 56 | 2 17 | 3 22 |
| F 19 | 9 39 | 14 30 | 3 56 | 4 29 | 0n 0 | 7 41 | 0 47 | 8 40 | 0 12 | 9 54 | 0 59 | 17 30 | 1 5 | 19 34 | 0 36 | 20 36 | 1 29 | 10 11 | 17 31 | 1 17 | 0 46 | 16 55 | 2 19 | 3 22 |
| S 20 | 9 17 | 11 7 | 2 54 | 3 36 | 0 13 | 8 11 | 0 52 | 8 56 | 0 13 | 9 58 | 0 59 | 17 28 | 1 5 | 19 33 | 0 36 | 20 36 | 1 29 | 10 12 | 17 31 | 1 18 | 0 47 | 16 54 | 2 20 | 3 22 |
| S 21 | 8 55 | 7 2 | 1 41 | 2 43 | 0 25 | 8 41 | 0 56 | 9 12 | 0 13 | 10 2 | 0 59 | 17 26 | 1 5 | 19 33 | 0 36 | 20 37 | 1 29 | 10 13 | 17 32 | 1 19 | 0 48 | 16 53 | 2 21 | 3 22 |
| M22 | 8 33 | 2 36 | 0 22 | 1 51 | 0 38 | 9 11 | 1 0 | 9 29 | 0 14 | 10 6 | 0 58 | 17 24 | 1 5 | 19 32 | 0 36 | 20 37 | 1 29 | 10 14 | 17 32 | 1 19 | 0 50 | 16 53 | 2 22 | 3 21 |
| T 23 | 8 10 | 1s54 | 0n56 | 1 0 | 0 51 | 9 40 | 1 5 | 9 45 | 0 15 | 10 11 | 0 58 | 17 22 | 1 5 | 19 31 | 0 36 | 20 37 | 1 29 | 10 15 | 17 33 | 1 19 | 0 51 | 16 52 | 2 23 | 3 21 |
| W24 | 7 48 | 6 9 | 2 9 | 0 10 | 1 4 | 10 10 | 1 9 | 10 1 | 0 16 | 10 15 | 0 58 | 17 20 | 1 5 | 19 31 | 0 36 | 20 37 | 1 29 | 10 15 | 17 33 | 1 19 | 0 52 | 16 51 | 2 25 | 3 21 |
| T 25 | 7 25 | 9 57 | 3 13 | 0n37 | 1 17 | 10 39 | 1 13 | 10 17 | 0 16 | 10 19 | 0 58 | 17 18 | 1 6 | 19 30 | 0 37 | 20 37 | 1 29 | 10 16 | 17 33 | 1 18 | 0 53 | 16 50 | 2 26 | 3 21 |
| F 26 | 7 2 | 13 9 | 4 4 | 1 23 | 1 31 | 11 8 | 1 18 | 10 32 | 0 17 | 10 24 | 0 58 | 17 17 | 1 6 | 19 29 | 0 37 | 20 37 | 1 29 | 10 17 | 17 34 | 1 18 | 0 55 | 16 50 | 2 27 | 3 21 |
| S 27 | 6 39 | 15 37 | 4 42 | 2 6 | 1 44 | 11 37 | 1 22 | 10 48 | 0 18 | 10 28 | 0 57 | 17 15 | 1 6 | 19 28 | 0 37 | 20 37 | 1 29 | 10 18 | 17 34 | 1 17 | 0 56 | 16 49 | 2 28 | 3 21 |
| S 28 | 6 16 | 17 18 | 5 6 | 2 47 | 1 56 | 12 5 | 1 27 | 11 4 | 0 18 | 10 32 | 0 57 | 17 13 | 1 6 | 19 28 | 0 37 | 20 37 | 1 29 | 10 19 | 17 34 | 1 17 | 0 57 | 16 48 | 2 30 | 3 21 |
| M29 | 5s53 | 18s10 | 5n16 | 3n24 | 2n 9 | 12n33 | 1n31 | 11n19 | 0n19 | 10n37 | 0s57 | 17s11 | 1s 6 | 19s27 | 0s37 | 20s37 | 1n29 | 10n19 | 17n35 | 1n17 | 0n59 | 16s47 | 2n31 | 3n21 |

Julian Day Number = 2083416.5, Delta T = 25m02s
Ecliptic obliquity = 23°34'02, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'33, Lahiri = 9°48'33 Julian Calendar 1 Feb. 992 == Greg. Calendar 6 Feb. 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## MARCH 992 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 56 50 | 16♓ 8'16 | 6♉10 | 4♈35 | 0♉ 1 | 29♈17 | 0♉ 7 | 16♒ 5 | 6♒ 6 | 10♐ 4 | 14°R49 | 26°R46 | 27♍30 | 24♉50 | 28♓41 | T 1 |
| W 2 | 11 0 47 | 17° 7'46 | 18° 2 | 5°27 | 1° 7 | 29°58 | 0°19 | 16°12 | 6° 9 | 10° 4 | 14♎47 | 26♍45 | 27°27 | 24°57 | 28°45 | W 2 |
| T 3 | 11 4 43 | 18° 7'14 | 29°52 | 6°11 | 2°14 | 0♉39 | 0°31 | 16°19 | 6°12 | 10° 4 | 14°46 | 26°44 | 27°24 | 25° 3 | 28°48 | T 3 |
| F 4 | 11 8 40 | 19° 6'40 | 11♒46 | 6°48 | 3°20 | 1°21 | 0°43 | 16°25 | 6°15 | 10° 4 | 14°44 | 26°42 | 27°21 | 25°10 | 28°52 | F 4 |
| S 5 | 11 12 36 | 20° 6'03 | 23°46 | 7°18 | 4°25 | 2° 2 | 0°56 | 16°32 | 6°18 | 10° 4 | 14°43 | 26°41 | 27°18 | 25°17 | 28°55 | S 5 |
| S 6 | 11 16 33 | 21° 5'25 | 5♓55 | 7°40 | 5°31 | 2°44 | 1° 8 | 16°38 | 6°20 | 10° 4 | 14°41 | 26°41 | 27°15 | 25°24 | 28°59 | S 6 |
| M 7 | 11 20 29 | 22° 4'45 | 18°14 | 7°54 | 6°36 | 3°25 | 1°21 | 16°44 | 6°23 | 10°R 4 | 14°40 | 26°40 | 27°11 | 25°30 | 29° 2 | M 7 |
| T 8 | 11 24 26 | 23° 4'03 | 0♈45 | 8°R 0 | 7°41 | 4° 6 | 1°33 | 16°51 | 6°26 | 10° 4 | 14°38 | 26°D40 | 27° 8 | 25°37 | 29° 6 | T 8 |
| W 9 | 11 28 22 | 24° 3'19 | 13°28 | 8° 0 | 8°46 | 4°47 | 1°46 | 16°57 | 6°28 | 10° 4 | 14°37 | 26°41 | 27° 5 | 25°44 | 29° 9 | W 9 |
| T 10 | 11 32 19 | 25° 2'32 | 26°26 | 7°52 | 9°51 | 5°29 | 1°58 | 17° 3 | 6°31 | 10° 4 | 14°35 | 26°41 | 27° 2 | 25°50 | 29°13 | T 10 |
| F 11 | 11 36 16 | 26° 1'43 | 9♉36 | 7°37 | 10°55 | 6°10 | 2°11 | 17°10 | 6°33 | 10° 4 | 14°33 | 26°41 | 26°59 | 25°57 | 29°16 | F 11 |
| S 12 | 11 40 12 | 27° 0'52 | 23° 1 | 7°16 | 11°59 | 6°51 | 2°24 | 17°16 | 6°36 | 10° 4 | 14°32 | 26°R41 | 26°55 | 26° 4 | 29°20 | S 12 |
| S 13 | 11 44 9 | 27°59'59 | 6♊39 | 6°49 | 13° 3 | 7°32 | 2°37 | 17°22 | 6°38 | 10° 4 | 14°30 | 26°41 | 26°52 | 26°11 | 29°23 | S 13 |
| M14 | 11 48 5 | 28°59'03 | 20°31 | 6°16 | 14° 6 | 8°13 | 2°50 | 17°28 | 6°41 | 10° 3 | 14°29 | 26°41 | 26°49 | 26°17 | 29°27 | M14 |
| T 15 | 11 52 2 | 29°58'05 | 4♋35 | 5°39 | 15° 9 | 8°54 | 3° 3 | 17°34 | 6°43 | 10° 3 | 14°27 | 26°D41 | 26°46 | 26°24 | 29°30 | T 15 |
| W16 | 11 55 58 | 0♈57'05 | 18°50 | 4°59 | 16°12 | 9°35 | 3°16 | 17°40 | 6°46 | 10° 3 | 14°25 | 26°41 | 26°43 | 26°31 | 29°34 | W16 |
| T 17 | 11 59 55 | 1°56'02 | 3♌14 | 4°15 | 17°15 | 10°16 | 3°29 | 17°46 | 6°48 | 10° 3 | 14°24 | 26°41 | 26°40 | 26°37 | 29°37 | T 17 |
| F 18 | 12 3 51 | 2°54'57 | 17°43 | 3°30 | 18°17 | 10°57 | 3°42 | 17°52 | 6°50 | 10° 2 | 14°22 | 26°42 | 26°36 | 26°44 | 29°41 | F 18 |
| S 19 | 12 7 48 | 3°53'50 | 2♍12 | 2°43 | 19°18 | 11°38 | 3°55 | 17°58 | 6°53 | 10° 2 | 14°20 | 26°42 | 26°33 | 26°51 | 29°44 | S 19 |
| S 20 | 12 11 45 | 4°52'40 | 16°37 | 1°56 | 20°20 | 12°19 | 4° 8 | 18° 3 | 6°55 | 10° 1 | 14°19 | 26°43 | 26°30 | 26°57 | 29°48 | S 20 |
| M21 | 12 15 41 | 5°51'28 | 0♎53 | 1°10 | 21°21 | 12°59 | 4°22 | 18° 9 | 6°57 | 10° 1 | 14°17 | 26°R43 | 26°27 | 27° 4 | 29°51 | M21 |
| T 22 | 12 19 38 | 6°50'14 | 14°54 | 0°26 | 22°22 | 13°40 | 4°35 | 18°15 | 6°59 | 10° 0 | 14°15 | 26°42 | 26°24 | 27°11 | 29°55 | T 22 |
| W23 | 12 23 34 | 7°48'58 | 28°37 | 29♓44 | 23°22 | 14°21 | 4°48 | 18°20 | 7° 1 | 10° 0 | 14°14 | 26°42 | 26°20 | 27°18 | 29°58 | W23 |
| T 24 | 12 27 31 | 8°47'40 | 11♏59 | 29° 5 | 24°22 | 15° 1 | 5° 2 | 18°26 | 7° 3 | 9°59 | 14°12 | 26°40 | 26°17 | 27°24 | 0♈ 2 | T 24 |
| F 25 | 12 31 27 | 9°46'20 | 25° 0 | 28°29 | 25°21 | 15°42 | 5°15 | 18°31 | 7° 6 | 9°59 | 14°10 | 26°38 | 26°14 | 27°31 | 0° 5 | F 25 |
| S 26 | 12 35 24 | 10°44'59 | 7♐41 | 27°57 | 26°20 | 16°23 | 5°29 | 18°37 | 7° 7 | 9°58 | 14° 9 | 26°37 | 26°11 | 27°38 | 0° 9 | S 26 |
| S 27 | 12 39 20 | 11°43'36 | 20° 5 | 27°30 | 27°19 | 17° 3 | 5°42 | 18°42 | 7° 9 | 9°58 | 14° 7 | 26°35 | 26° 8 | 27°44 | 0°12 | S 27 |
| M28 | 12 43 17 | 12°42'11 | 2♑13 | 27° 8 | 28°17 | 17°44 | 5°56 | 18°47 | 7°11 | 9°57 | 14° 5 | 26°34 | 26° 5 | 27°51 | 0°16 | M28 |
| T 29 | 12 47 13 | 13°40'44 | 14°11 | 26°50 | 29°15 | 18°24 | 6° 9 | 18°52 | 7°13 | 9°56 | 14° 4 | 26°D34 | 26° 1 | 27°58 | 0°19 | T 29 |
| W30 | 12 51 10 | 14°39'16 | 26° 4 | 26°38 | 0♊12 | 19° 5 | 6°23 | 18°58 | 7°15 | 9°55 | 14° 2 | 26°34 | 25°58 | 28° 4 | 0°23 | W30 |
| T 31 | 12 55 7 | 15♈37'46 | 7♒56 | 26♓30 | 1♊ 9 | 19♉45 | 6♉37 | 19♒ 3 | 7♒17 | 9♐55 | 14♎ 0 | 26♍35 | 25♍55 | 28♑11 | 0♈26 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s30 | 18s13 | 5n12 | 3n59 | 2n21 | 13n 1 | 1n35 | 11n35 | 0n20 | 10n41 | 0s57 | 17s 9 | 1s 6 | 19s26 | 0s37 | 20s37 | 1n29 | 10n20 | 17n35 | 1n18 | 1n 0 | 16s46 | 2n32 | 3n21 |
| W 2 | 5 7 | 17 28 | 4 55 | 4 30 | 2 32 | 13 29 | 1 40 | 11 50 | 0 20 | 10 46 | 0 57 | 17 7 | 1 6 | 19 26 | 0 37 | 20 37 | 1 29 | 10 21 | 17 35 | 1 18 | 1 1 | 16 46 | 2 34 | 3 21 |
| T 3 | 4 43 | 15 58 | 4 25 | 4 57 | 2 42 | 13 56 | 1 44 | 12 5 | 0 21 | 10 50 | 0 56 | 17 5 | 1 6 | 19 25 | 0 37 | 20 37 | 1 29 | 10 22 | 17 35 | 1 18 | 1 2 | 16 45 | 2 35 | 3 20 |
| F 4 | 4 20 | 13 46 | 3 44 | 5 21 | 2 52 | 14 23 | 1 49 | 12 21 | 0 22 | 10 54 | 0 56 | 17 3 | 1 6 | 19 24 | 0 37 | 20 36 | 1 29 | 10 23 | 17 36 | 1 19 | 1 4 | 16 44 | 2 36 | 3 20 |
| S 5 | 3 56 | 10 57 | 2 53 | 5 41 | 3 1 | 14 50 | 1 53 | 12 36 | 0 22 | 10 59 | 0 56 | 17 1 | 1 7 | 19 24 | 0 37 | 20 36 | 1 29 | 10 23 | 17 36 | 1 19 | 1 5 | 16 43 | 2 38 | 3 20 |
| S 6 | 3 33 | 7 39 | 1 53 | 5 56 | 3 8 | 15 16 | 1 57 | 12 50 | 0 23 | 11 3 | 0 56 | 17 0 | 1 7 | 19 23 | 0 37 | 20 36 | 1 29 | 10 24 | 17 36 | 1 20 | 1 6 | 16 43 | 2 39 | 3 20 |
| M 7 | 3 10 | 3 58 | 0 47 | 6 8 | 3 15 | 15 42 | 2 2 | 13 5 | 0 23 | 11 8 | 0 56 | 16 58 | 1 7 | 19 22 | 0 37 | 20 36 | 1 29 | 10 25 | 17 36 | 1 20 | 1 7 | 16 42 | 2 40 | 3 20 |
| T 8 | 2 46 | 0 3 | 0s23 | 6 15 | 3 20 | 16 8 | 2 6 | 13 20 | 0 24 | 11 12 | 0 56 | 16 56 | 1 7 | 19 22 | 0 37 | 20 36 | 1 29 | 10 26 | 17 37 | 1 20 | 1 9 | 16 41 | 2 42 | 3 20 |
| W 9 | 2 22 | 3n56 | 1 32 | 6 18 | 3 24 | 16 33 | 2 10 | 13 34 | 0 25 | 11 17 | 0 55 | 16 54 | 1 7 | 19 21 | 0 37 | 20 36 | 1 29 | 10 26 | 17 37 | 1 20 | 1 10 | 16 40 | 2 43 | 3 20 |
| T 10 | 1 59 | 7 48 | 2 38 | 6 17 | 3 26 | 16 58 | 2 15 | 13 49 | 0 25 | 11 22 | 0 55 | 16 52 | 1 7 | 19 20 | 0 37 | 20 36 | 1 29 | 10 27 | 17 37 | 1 20 | 1 11 | 16 39 | 2 44 | 3 20 |
| F 11 | 1 35 | 11 21 | 3 36 | 6 12 | 3 27 | 17 23 | 2 19 | 14 3 | 0 26 | 11 26 | 0 55 | 16 51 | 1 7 | 19 20 | 0 37 | 20 36 | 1 29 | 10 28 | 17 37 | 1 20 | 1 12 | 16 39 | 2 46 | 3 20 |
| S 12 | 1 12 | 14 22 | 4 24 | 6 3 | 3 26 | 17 47 | 2 23 | 14 17 | 0 27 | 11 31 | 0 55 | 16 49 | 1 7 | 19 19 | 0 37 | 20 36 | 1 30 | 10 29 | 17 37 | 1 20 | 1 14 | 16 38 | 2 47 | 3 20 |
| S 13 | 0 48 | 16 38 | 4 58 | 5 50 | 3 23 | 18 10 | 2 27 | 14 32 | 0 27 | 11 35 | 0 55 | 16 47 | 1 8 | 19 18 | 0 37 | 20 36 | 1 30 | 10 30 | 17 38 | 1 20 | 1 15 | 16 37 | 2 48 | 3 20 |
| M14 | 0 24 | 17 59 | 5 16 | 5 33 | 3 19 | 18 34 | 2 31 | 14 45 | 0 28 | 11 40 | 0 55 | 16 45 | 1 8 | 19 18 | 0 37 | 20 36 | 1 30 | 10 30 | 17 38 | 1 20 | 1 16 | 16 36 | 2 50 | 3 20 |
| T 15 | 0 1 | 18 15 | 5 14 | 5 13 | 3 13 | 18 57 | 2 36 | 14 59 | 0 28 | 11 44 | 0 55 | 16 44 | 1 8 | 19 17 | 0 37 | 20 36 | 1 30 | 10 31 | 17 38 | 1 20 | 1 18 | 16 35 | 2 51 | 3 20 |
| W16 | 0n23 | 17 23 | 4 54 | 4 49 | 3 6 | 19 19 | 2 40 | 15 13 | 0 29 | 11 49 | 0 54 | 16 42 | 1 8 | 19 17 | 0 37 | 20 36 | 1 30 | 10 32 | 17 38 | 1 20 | 1 19 | 16 35 | 2 52 | 3 20 |
| T 17 | 0 46 | 15 24 | 4 15 | 4 24 | 2 56 | 19 41 | 2 44 | 15 27 | 0 29 | 11 54 | 0 54 | 16 40 | 1 8 | 19 16 | 0 37 | 20 36 | 1 30 | 10 33 | 17 38 | 1 19 | 1 20 | 16 34 | 2 54 | 3 20 |
| F 18 | 1 10 | 12 26 | 3 20 | 3 56 | 2 46 | 20 3 | 2 48 | 15 40 | 0 30 | 11 58 | 0 54 | 16 39 | 1 8 | 19 16 | 0 37 | 20 36 | 1 30 | 10 33 | 17 38 | 1 19 | 1 21 | 16 33 | 2 55 | 3 19 |
| S 19 | 1 33 | 8 42 | 2 12 | 3 26 | 2 34 | 20 24 | 2 52 | 15 53 | 0 31 | 12 3 | 0 54 | 16 37 | 1 8 | 19 15 | 0 37 | 20 36 | 1 30 | 10 34 | 17 38 | 1 19 | 1 23 | 16 32 | 2 57 | 3 19 |
| S 20 | 1 57 | 4 27 | 0 56 | 2 56 | 2 21 | 20 44 | 2 55 | 16 6 | 0 31 | 12 7 | 0 54 | 16 35 | 1 9 | 19 15 | 0 37 | 20 35 | 1 30 | 10 35 | 17 39 | 1 19 | 1 24 | 16 31 | 2 58 | 3 19 |
| M21 | 2 20 | 0 0 | 0n23 | 2 24 | 2 7 | 21 5 | 2 59 | 16 19 | 0 32 | 12 12 | 0 54 | 16 34 | 1 9 | 19 14 | 0 37 | 20 35 | 1 30 | 10 35 | 17 39 | 1 19 | 1 25 | 16 30 | 2 59 | 3 19 |
| T 22 | 2 44 | 4s23 | 1 39 | 1 53 | 1 52 | 21 24 | 3 3 | 16 32 | 0 32 | 12 17 | 0 54 | 16 32 | 1 9 | 19 13 | 0 37 | 20 35 | 1 30 | 10 36 | 17 39 | 1 19 | 1 26 | 16 30 | 3 1 | 3 19 |
| W23 | 3 7 | 8 26 | 2 48 | 1 22 | 1 36 | 21 43 | 3 7 | 16 45 | 0 33 | 12 21 | 0 53 | 16 30 | 1 9 | 19 13 | 0 37 | 20 35 | 1 30 | 10 37 | 17 39 | 1 19 | 1 28 | 16 29 | 3 2 | 3 19 |
| T 24 | 3 30 | 11 56 | 3 45 | 0 51 | 1 20 | 22 2 | 3 10 | 16 58 | 0 33 | 12 26 | 0 53 | 16 29 | 1 9 | 19 12 | 0 37 | 20 35 | 1 30 | 10 38 | 17 39 | 1 20 | 1 29 | 16 28 | 3 3 | 3 19 |
| F 25 | 3 53 | 14 46 | 4 29 | 0 22 | 1 4 | 22 20 | 3 14 | 17 10 | 0 34 | 12 31 | 0 53 | 16 27 | 1 9 | 19 12 | 0 37 | 20 35 | 1 30 | 10 38 | 17 39 | 1 21 | 1 30 | 16 27 | 3 5 | 3 19 |
| S 26 | 4 17 | 16 47 | 4 59 | 0s 5 | 0 47 | 22 38 | 3 17 | 17 22 | 0 34 | 12 35 | 0 53 | 16 26 | 1 10 | 19 11 | 0 37 | 20 35 | 1 30 | 10 39 | 17 39 | 1 21 | 1 32 | 16 26 | 3 6 | 3 19 |
| S 27 | 4 40 | 17 58 | 5 14 | 0 31 | 0 31 | 22 55 | 3 21 | 17 35 | 0 35 | 12 40 | 0 53 | 16 24 | 1 10 | 19 11 | 0 37 | 20 35 | 1 30 | 10 40 | 17 39 | 1 22 | 1 33 | 16 25 | 3 7 | 3 19 |
| M28 | 5 3 | 18 18 | 5 15 | 0 55 | 0 15 | 23 12 | 3 24 | 17 47 | 0 35 | 12 44 | 0 53 | 16 23 | 1 10 | 19 11 | 0 37 | 20 34 | 1 30 | 10 40 | 17 39 | 1 22 | 1 34 | 16 25 | 3 9 | 3 19 |
| T 29 | 5 26 | 17 49 | 5 1 | 1 17 | 0s 1 | 23 28 | 3 27 | 17 58 | 0 36 | 12 49 | 0 53 | 16 21 | 1 10 | 19 10 | 0 37 | 20 34 | 1 30 | 10 41 | 17 39 | 1 23 | 1 35 | 16 24 | 3 10 | 3 19 |
| W30 | 5 48 | 16 32 | 4 35 | 1 36 | 0 17 | 23 44 | 3 30 | 18 10 | 0 36 | 12 54 | 0 52 | 16 20 | 1 10 | 19 10 | 0 37 | 20 34 | 1 30 | 10 41 | 17 39 | 1 22 | 1 37 | 16 23 | 3 12 | 3 19 |
| T 31 | 6n11 | 14s33 | 3n58 | 1s53 | 0s32 | 23n59 | 3n33 | 18n22 | 0n37 | 12n58 | 0s52 | 16s18 | 1s10 | 19s 9 | 0s38 | 20s34 | 1n30 | 10n42 | 17n39 | 1n22 | 1n38 | 16s22 | 3n13 | 3n19 |

Julian Day Number = 2083445.5, Delta T = 25m02s
Ecliptic obliquity = 23°34'03, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'37, Lahiri = 9°48'37 Julian Calendar 1 March 992 == Greg. Calendar 6 March 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## APRIL 992 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 59 3 | 16♈36'14 | 19♒51 | 26°D28 | 2♊ 5 | 20♉26 | 6♉50 | 19♒ 8 | 7♒19 | 9°R54 | 13°R59 | 26♍37 | 25♍52 | 28♋18 | 0♈29 | F 1 |
| S 2 | 13 3 0 | 17°34'41 | 1♓54 | 26♓31 | 3° 1 | 21° 6 | 7° 4 | 19°13 | 7°20 | 9♐53 | 13♎57 | 26°38 | 25°49 | 28°25 | 0°33 | S 2 |
| S 3 | 13 6 56 | 18°33'05 | 14°10 | 26°39 | 3°56 | 21°47 | 7°18 | 19°17 | 7°22 | 9°52 | 13°55 | 26°39 | 25°46 | 28°31 | 0°36 | S 3 |
| M 4 | 13 10 53 | 19°31'28 | 26°40 | 26°51 | 4°51 | 22°27 | 7°32 | 19°22 | 7°24 | 9°51 | 13°53 | 26°R40 | 25°42 | 28°38 | 0°40 | M 4 |
| T 5 | 13 14 49 | 20°29'50 | 9♈26 | 27° 9 | 5°45 | 23° 7 | 7°46 | 19°27 | 7°25 | 9°51 | 13°52 | 26°39 | 25°39 | 28°45 | 0°43 | T 5 |
| W 6 | 13 18 46 | 21°28'09 | 22°30 | 27°31 | 6°38 | 23°47 | 7°59 | 19°32 | 7°27 | 9°50 | 13°50 | 26°38 | 25°36 | 28°51 | 0°46 | W 6 |
| T 7 | 13 22 42 | 22°26'27 | 5♉52 | 27°57 | 7°31 | 24°28 | 8°13 | 19°36 | 7°28 | 9°49 | 13°48 | 26°35 | 25°33 | 28°58 | 0°50 | T 7 |
| F 8 | 13 26 39 | 23°24'43 | 19°28 | 28°27 | 8°23 | 25° 8 | 8°27 | 19°41 | 7°30 | 9°48 | 13°47 | 26°31 | 25°30 | 29° 5 | 0°53 | F 8 |
| S 9 | 13 30 36 | 24°22'57 | 3♊18 | 29° 2 | 9°15 | 25°48 | 8°41 | 19°45 | 7°31 | 9°47 | 13°45 | 26°27 | 25°26 | 29°11 | 0°56 | S 9 |
| S 10 | 13 34 32 | 25°21'09 | 17°18 | 29°41 | 10° 5 | 26°28 | 8°55 | 19°49 | 7°32 | 9°46 | 13°43 | 26°23 | 25°23 | 29°18 | 1° 0 | S 10 |
| M11 | 13 38 29 | 26°19'19 | 1♋25 | 0♈23 | 10°55 | 27° 8 | 9° 9 | 19°54 | 7°34 | 9°45 | 13°42 | 26°20 | 25°20 | 29°25 | 1° 3 | M11 |
| T 12 | 13 42 25 | 27°17'26 | 15°35 | 1° 9 | 11°45 | 27°48 | 9°23 | 19°58 | 7°35 | 9°44 | 13°40 | 26°18 | 25°17 | 29°32 | 1° 6 | T 12 |
| W13 | 13 46 22 | 28°15'32 | 29°47 | 1°58 | 12°33 | 28°28 | 9°37 | 20° 2 | 7°36 | 9°43 | 13°39 | 26°D17 | 25°14 | 29°38 | 1° 9 | W13 |
| T 14 | 13 50 18 | 29°13'36 | 13♌58 | 2°51 | 13°21 | 29° 8 | 9°51 | 20° 6 | 7°37 | 9°41 | 13°37 | 26°18 | 25°11 | 29°45 | 1°13 | T 14 |
| F 15 | 13 54 15 | 0♉11'38 | 28° 7 | 3°47 | 14° 8 | 29°48 | 10° 5 | 20°10 | 7°38 | 9°40 | 13°35 | 26°19 | 25° 7 | 29°52 | 1°16 | F 15 |
| S 16 | 13 58 11 | 1° 9'38 | 12♍10 | 4°45 | 14°54 | 0♊28 | 10°19 | 20°14 | 7°39 | 9°39 | 13°34 | 26°21 | 25° 4 | 29°58 | 1°19 | S 16 |
| S 17 | 14 2 8 | 2° 7'36 | 26° 8 | 5°47 | 15°39 | 1° 8 | 10°33 | 20°18 | 7°40 | 9°38 | 13°32 | 26°R21 | 25° 1 | 0♒ 5 | 1°22 | S 17 |
| M18 | 14 6 5 | 3° 5'32 | 9♎56 | 6°52 | 16°23 | 1°48 | 10°47 | 20°21 | 7°41 | 9°37 | 13°31 | 26°21 | 24°58 | 0°12 | 1°25 | M18 |
| T 19 | 14 10 1 | 4° 3'26 | 23°34 | 7°59 | 17° 7 | 2°28 | 11° 1 | 20°25 | 7°42 | 9°36 | 13°29 | 26°18 | 24°55 | 0°18 | 1°28 | T 19 |
| W20 | 14 13 58 | 5° 1'19 | 6♏58 | 9°10 | 17°49 | 3° 8 | 11°15 | 20°29 | 7°43 | 9°34 | 13°27 | 26°14 | 24°51 | 0°25 | 1°31 | W20 |
| T 21 | 14 17 54 | 5°59'10 | 20° 8 | 10°22 | 18°30 | 3°48 | 11°30 | 20°32 | 7°44 | 9°33 | 13°26 | 26° 8 | 24°48 | 0°32 | 1°34 | T 21 |
| F 22 | 14 21 51 | 6°57'00 | 3♐ 1 | 11°38 | 19°10 | 4°27 | 11°44 | 20°35 | 7°45 | 9°32 | 13°24 | 26° 1 | 24°45 | 0°39 | 1°37 | F 22 |
| S 23 | 14 25 47 | 7°54'48 | 15°37 | 12°56 | 19°49 | 5° 7 | 11°58 | 20°39 | 7°45 | 9°30 | 13°23 | 25°54 | 24°42 | 0°45 | 1°40 | S 23 |
| S 24 | 14 29 44 | 8°52'35 | 27°58 | 14°16 | 20°27 | 5°47 | 12°12 | 20°42 | 7°46 | 9°29 | 13°21 | 25°47 | 24°39 | 0°52 | 1°43 | S 24 |
| M25 | 14 33 40 | 9°50'21 | 10♑ 7 | 15°39 | 21° 3 | 6°27 | 12°26 | 20°45 | 7°47 | 9°28 | 13°20 | 25°42 | 24°36 | 0°59 | 1°46 | M25 |
| T 26 | 14 37 37 | 10°48'05 | 22° 5 | 17° 4 | 21°39 | 7° 6 | 12°40 | 20°48 | 7°47 | 9°26 | 13°18 | 25°38 | 24°32 | 1° 5 | 1°49 | T 26 |
| W27 | 14 41 33 | 11°45'49 | 3♒57 | 18°31 | 22°12 | 7°46 | 12°54 | 20°51 | 7°48 | 9°25 | 13°17 | 25°36 | 24°29 | 1°12 | 1°52 | W27 |
| T 28 | 14 45 30 | 12°43'31 | 15°49 | 20° 1 | 22°45 | 8°25 | 13° 8 | 20°54 | 7°48 | 9°24 | 13°16 | 25°D36 | 24°26 | 1°19 | 1°55 | T 28 |
| F 29 | 14 49 27 | 13°41'12 | 27°44 | 21°32 | 23°16 | 9° 5 | 13°22 | 20°57 | 7°49 | 9°22 | 13°14 | 25°36 | 24°23 | 1°25 | 1°58 | F 29 |
| S 30 | 14 53 23 | 14♉38'52 | 9♓49 | 23♈ 7 | 23♊46 | 9♊45 | 13♉37 | 20♒59 | 7♒49 | 9♐21 | 13♎13 | 25♍38 | 24♍20 | 1♒32 | 2♈ 1 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n34 | 11s57 | 3n 9 | 2s 7 | 0s46 | 24n13 | 3n36 | 18n33 | 0n37 | 13n 3 | 0s52 | 16s17 | 1s10 | 19s 9 | 0s38 | 20s34 | 1n30 | 10n43 | 17n39 | 1n21 | 1n39 | 16s21 | 3n14 | 3n19 |
| S 2 | 6 56 | 8 48 | 2 12 | 2 18 | 1 0 | 24 27 | 3 39 | 18 44 | 0 38 | 13 8 | 0 52 | 16 16 | 1 11 | 19 8 | 0 38 | 20 34 | 1 30 | 10 43 | 17 39 | 1 21 | 1 40 | 16 20 | 3 16 | 3 19 |
| S 3 | 7 19 | 5 13 | 1 8 | 2 27 | 1 13 | 24 41 | 3 42 | 18 56 | 0 38 | 13 12 | 0 52 | 16 14 | 1 11 | 19 8 | 0 38 | 20 34 | 1 30 | 10 44 | 17 39 | 1 20 | 1 42 | 16 20 | 3 17 | 3 19 |
| M 4 | 7 41 | 1 20 | 0 0 | 2 33 | 1 25 | 24 54 | 3 45 | 19 6 | 0 39 | 13 17 | 0 52 | 16 13 | 1 11 | 19 8 | 0 38 | 20 33 | 1 30 | 10 44 | 17 39 | 1 20 | 1 43 | 16 19 | 3 18 | 3 19 |
| T 5 | 8 3 | 2n41 | 1s10 | 2 37 | 1 37 | 25 6 | 3 47 | 19 17 | 0 39 | 13 21 | 0 52 | 16 11 | 1 11 | 19 7 | 0 38 | 20 33 | 1 30 | 10 45 | 17 39 | 1 20 | 1 44 | 16 18 | 3 20 | 3 19 |
| W 6 | 8 25 | 6 41 | 2 17 | 2 38 | 1 48 | 25 18 | 3 49 | 19 28 | 0 40 | 13 26 | 0 52 | 16 10 | 1 11 | 19 7 | 0 38 | 20 33 | 1 30 | 10 46 | 17 39 | 1 21 | 1 45 | 16 17 | 3 21 | 3 19 |
| T 7 | 8 47 | 10 25 | 3 19 | 2 37 | 1 58 | 25 29 | 3 52 | 19 38 | 0 40 | 13 31 | 0 52 | 16 9 | 1 11 | 19 7 | 0 38 | 20 33 | 1 31 | 10 46 | 17 39 | 1 22 | 1 47 | 16 16 | 3 22 | 3 19 |
| F 8 | 9 8 | 13 41 | 4 10 | 2 34 | 2 7 | 25 40 | 3 54 | 19 49 | 0 41 | 13 35 | 0 51 | 16 8 | 1 12 | 19 6 | 0 38 | 20 33 | 1 31 | 10 47 | 17 38 | 1 24 | 1 48 | 16 15 | 3 24 | 3 19 |
| S 9 | 9 30 | 16 13 | 4 48 | 2 28 | 2 16 | 25 50 | 3 56 | 19 59 | 0 41 | 13 40 | 0 51 | 16 6 | 1 12 | 19 6 | 0 38 | 20 33 | 1 31 | 10 47 | 17 38 | 1 25 | 1 49 | 16 14 | 3 25 | 3 19 |
| S 10 | 9 51 | 17 50 | 5 9 | 2 19 | 2 24 | 26 0 | 3 58 | 20 9 | 0 42 | 13 44 | 0 51 | 16 5 | 1 12 | 19 6 | 0 38 | 20 32 | 1 31 | 10 48 | 17 38 | 1 27 | 1 51 | 16 13 | 3 26 | 3 19 |
| M11 | 10 13 | 18 22 | 5 12 | 2 9 | 2 31 | 26 9 | 3 59 | 20 19 | 0 42 | 13 49 | 0 51 | 16 4 | 1 12 | 19 5 | 0 38 | 20 32 | 1 31 | 10 48 | 17 38 | 1 28 | 1 52 | 16 13 | 3 28 | 3 19 |
| T 12 | 10 34 | 17 46 | 4 55 | 1 56 | 2 37 | 26 18 | 4 1 | 20 28 | 0 43 | 13 53 | 0 51 | 16 3 | 1 12 | 19 5 | 0 38 | 20 32 | 1 31 | 10 49 | 17 38 | 1 29 | 1 53 | 16 12 | 3 29 | 3 19 |
| W13 | 10 55 | 16 3 | 4 21 | 1 42 | 2 42 | 26 26 | 4 2 | 20 38 | 0 43 | 13 58 | 0 51 | 16 2 | 1 13 | 19 5 | 0 38 | 20 32 | 1 31 | 10 49 | 17 38 | 1 29 | 1 54 | 16 11 | 3 30 | 3 19 |
| T 14 | 11 15 | 13 21 | 3 31 | 1 25 | 2 47 | 26 33 | 4 3 | 20 47 | 0 44 | 14 3 | 0 51 | 16 1 | 1 13 | 19 5 | 0 38 | 20 32 | 1 31 | 10 50 | 17 38 | 1 29 | 1 56 | 16 10 | 3 32 | 3 19 |
| F 15 | 11 36 | 9 53 | 2 28 | 1 7 | 2 51 | 26 40 | 4 5 | 20 56 | 0 44 | 14 7 | 0 51 | 15 59 | 1 13 | 19 4 | 0 38 | 20 31 | 1 31 | 10 50 | 17 37 | 1 28 | 1 57 | 16 9 | 3 33 | 3 19 |
| S 16 | 11 56 | 5 51 | 1 17 | 0 46 | 2 55 | 26 46 | 4 5 | 21 5 | 0 44 | 14 12 | 0 51 | 15 58 | 1 13 | 19 4 | 0 38 | 20 31 | 1 31 | 10 51 | 17 37 | 1 28 | 1 58 | 16 8 | 3 34 | 3 19 |
| S 17 | 12 17 | 1 32 | 0 1 | 0 24 | 2 57 | 26 52 | 4 6 | 21 14 | 0 45 | 14 16 | 0 51 | 15 57 | 1 13 | 19 4 | 0 38 | 20 31 | 1 31 | 10 51 | 17 37 | 1 27 | 1 59 | 16 7 | 3 36 | 3 19 |
| M18 | 12 37 | 2s50 | 1n13 | 0 0 | 2 59 | 26 57 | 4 7 | 21 22 | 0 45 | 14 21 | 0 50 | 15 56 | 1 13 | 19 4 | 0 38 | 20 31 | 1 31 | 10 51 | 17 37 | 1 28 | 2 1 | 16 6 | 3 37 | 3 19 |
| T 19 | 12 56 | 6 59 | 2 23 | 0n25 | 3 1 | 27 2 | 4 7 | 21 31 | 0 46 | 14 25 | 0 50 | 15 55 | 1 14 | 19 3 | 0 38 | 20 31 | 1 31 | 10 52 | 17 37 | 1 29 | 2 2 | 16 5 | 3 38 | 3 19 |
| W20 | 13 16 | 10 43 | 3 23 | 0 52 | 3 1 | 27 6 | 4 7 | 21 39 | 0 46 | 14 29 | 0 50 | 15 54 | 1 14 | 19 3 | 0 38 | 20 30 | 1 31 | 10 52 | 17 36 | 1 30 | 2 3 | 16 5 | 3 39 | 3 19 |
| T 21 | 13 35 | 13 51 | 4 11 | 1 21 | 3 1 | 27 10 | 4 7 | 21 47 | 0 46 | 14 34 | 0 50 | 15 53 | 1 14 | 19 3 | 0 38 | 20 30 | 1 31 | 10 53 | 17 36 | 1 33 | 2 4 | 16 4 | 3 41 | 3 20 |
| F 22 | 13 54 | 16 13 | 4 45 | 1 51 | 3 1 | 27 13 | 4 7 | 21 55 | 0 47 | 14 38 | 0 50 | 15 53 | 1 14 | 19 3 | 0 38 | 20 30 | 1 31 | 10 53 | 17 36 | 1 36 | 2 6 | 16 3 | 3 42 | 3 20 |
| S 23 | 14 13 | 17 45 | 5 4 | 2 23 | 2 59 | 27 16 | 4 6 | 22 3 | 0 47 | 14 43 | 0 50 | 15 52 | 1 14 | 19 3 | 0 38 | 20 30 | 1 31 | 10 53 | 17 36 | 1 38 | 2 7 | 16 2 | 3 43 | 3 20 |
| S 24 | 14 32 | 18 24 | 5 9 | 2 56 | 2 57 | 27 18 | 4 5 | 22 10 | 0 48 | 14 47 | 0 50 | 15 51 | 1 15 | 19 3 | 0 38 | 20 30 | 1 31 | 10 54 | 17 35 | 1 41 | 2 8 | 16 1 | 3 44 | 3 20 |
| M25 | 14 50 | 18 12 | 4 59 | 3 30 | 2 55 | 27 19 | 4 4 | 22 17 | 0 48 | 14 52 | 0 50 | 15 50 | 1 15 | 19 2 | 0 38 | 20 29 | 1 31 | 10 54 | 17 35 | 1 43 | 2 10 | 16 0 | 3 46 | 3 20 |
| T 26 | 15 9 | 17 11 | 4 37 | 4 5 | 2 52 | 27 21 | 4 3 | 22 25 | 0 48 | 14 56 | 0 50 | 15 49 | 1 15 | 19 2 | 0 38 | 20 29 | 1 31 | 10 54 | 17 35 | 1 45 | 2 11 | 15 59 | 3 47 | 3 20 |
| W27 | 15 27 | 15 26 | 4 3 | 4 42 | 2 48 | 27 21 | 4 1 | 22 31 | 0 49 | 15 0 | 0 50 | 15 48 | 1 15 | 19 2 | 0 38 | 20 29 | 1 31 | 10 54 | 17 35 | 1 45 | 2 12 | 15 58 | 3 48 | 3 20 |
| T 28 | 15 44 | 13 1 | 3 18 | 5 20 | 2 44 | 27 21 | 4 0 | 22 38 | 0 49 | 15 5 | 0 50 | 15 48 | 1 15 | 19 2 | 0 39 | 20 29 | 1 31 | 10 55 | 17 34 | 1 46 | 2 13 | 15 57 | 3 49 | 3 20 |
| F 29 | 16 2 | 10 3 | 2 25 | 5 59 | 2 39 | 27 21 | 3 57 | 22 45 | 0 50 | 15 9 | 0 50 | 15 47 | 1 16 | 19 2 | 0 39 | 20 28 | 1 31 | 10 55 | 17 34 | 1 45 | 2 15 | 15 56 | 3 50 | 3 20 |
| S 30 | 16n19 | 6s38 | 1n24 | 6n39 | 2s34 | 27n20 | 3n55 | 22n51 | 0n50 | 15n13 | 0s49 | 15s46 | 1s16 | 19s 2 | 0s39 | 20s28 | 1n31 | 10n55 | 17n34 | 1n45 | 2n16 | 15s55 | 3n52 | 3n20 |

Julian Day Number = 2083476.5, Delta T = 25m01s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'41, Lahiri = 9°48'42 Julian Calendar 1 Apr. 992 == Greg. Calendar 6 Apr. 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## MAY 992 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 57 20 | 15♉36'31 | 22♓ 7 | 24♈43 | 24♊14 | 10♊24 | 13♉51 | 21♒ 2 | 7♒49 | 9°R19 | 13°R11 | 25°R39 | 24♍17 | 1♒39 | 2♈ 3 | S 1 |
| M 2 | 15 1 16 | 16°34'08 | 4♈43 | 26°22 | 24°41 | 11° 4 | 14° 5 | 21° 4 | 7°49 | 9♐18 | 13♎10 | 25♍38 | 24°13 | 1°46 | 2° 6 | M 2 |
| T 3 | 15 5 13 | 17°31'45 | 17°41 | 28° 3 | 25° 6 | 11°43 | 14°19 | 21° 7 | 7°50 | 9°16 | 13° 9 | 25°36 | 24°10 | 1°52 | 2° 9 | T 3 |
| W 4 | 15 9 9 | 18°29'21 | 1♉ 1 | 29°46 | 25°29 | 12°22 | 14°33 | 21° 9 | 7°50 | 9°15 | 13° 7 | 25°32 | 24° 7 | 1°59 | 2°11 | W 4 |
| T 5 | 15 13 6 | 19°26'55 | 14°43 | 1♉31 | 25°51 | 13° 2 | 14°47 | 21°11 | 7°50 | 9°13 | 13° 6 | 25°25 | 24° 4 | 2° 6 | 2°14 | T 5 |
| F 6 | 15 17 2 | 20°24'29 | 28°46 | 3°19 | 26°11 | 13°41 | 15° 1 | 21°13 | 7°50 | 9°12 | 13° 5 | 25°17 | 24° 1 | 2°12 | 2°17 | F 6 |
| S 7 | 15 20 59 | 21°22'01 | 13♊ 3 | 5° 9 | 26°29 | 14°21 | 15°15 | 21°16 | 7°R50 | 9°10 | 13° 4 | 25° 8 | 23°57 | 2°19 | 2°19 | S 7 |
| S 8 | 15 24 56 | 22°19'32 | 27°30 | 7° 1 | 26°45 | 15° 0 | 15°29 | 21°17 | 7°50 | 9° 9 | 13° 2 | 25° 0 | 23°54 | 2°26 | 2°22 | S 8 |
| M 9 | 15 28 52 | 23°17'02 | 12♋ 0 | 8°55 | 26°59 | 15°39 | 15°43 | 21°19 | 7°50 | 9° 7 | 13° 1 | 24°52 | 23°51 | 2°32 | 2°24 | M 9 |
| T 10 | 15 32 49 | 24°14'30 | 26°27 | 10°52 | 27°11 | 16°19 | 15°57 | 21°21 | 7°50 | 9° 6 | 13° 0 | 24°47 | 23°48 | 2°39 | 2°27 | T 10 |
| W11 | 15 36 45 | 25°11'57 | 10♌47 | 12°50 | 27°21 | 16°58 | 16°11 | 21°23 | 7°50 | 9° 4 | 12°59 | 24°45 | 23°45 | 2°46 | 2°29 | W11 |
| T 12 | 15 40 42 | 26° 9'23 | 24°57 | 14°50 | 27°29 | 17°37 | 16°25 | 21°24 | 7°50 | 9° 3 | 12°58 | 24°D44 | 23°42 | 2°52 | 2°31 | T 12 |
| F 13 | 15 44 38 | 27° 6'47 | 8♍56 | 16°53 | 27°34 | 18°16 | 16°39 | 21°26 | 7°49 | 9° 1 | 12°57 | 24°44 | 23°38 | 2°59 | 2°34 | F 13 |
| S 14 | 15 48 35 | 28° 4'10 | 22°43 | 18°57 | 27°37 | 18°56 | 16°53 | 21°27 | 7°49 | 9° 0 | 12°56 | 24°R44 | 23°35 | 3° 6 | 2°36 | S 14 |
| S 15 | 15 52 31 | 29° 1'32 | 6♎19 | 21° 3 | 27°R38 | 19°35 | 17° 7 | 21°28 | 7°49 | 8°58 | 12°55 | 24°44 | 23°32 | 3°13 | 2°38 | S 15 |
| M16 | 15 56 28 | 29°58'53 | 19°44 | 23°10 | 27°37 | 20°14 | 17°21 | 21°29 | 7°48 | 8°56 | 12°53 | 24°42 | 23°29 | 3°19 | 2°41 | M16 |
| T 17 | 16 0 25 | 0♊56'12 | 2♏58 | 25°19 | 27°33 | 20°53 | 17°35 | 21°30 | 7°48 | 8°55 | 12°53 | 24°37 | 23°26 | 3°26 | 2°43 | T 17 |
| W18 | 16 4 21 | 1°53'31 | 16° 0 | 27°29 | 27°27 | 21°32 | 17°49 | 21°31 | 7°47 | 8°53 | 12°52 | 24°29 | 23°23 | 3°33 | 2°45 | W18 |
| T 19 | 16 8 18 | 2°50'49 | 28°51 | 29°40 | 27°18 | 22°11 | 18° 3 | 21°32 | 7°47 | 8°52 | 12°51 | 24°19 | 23°19 | 3°39 | 2°47 | T 19 |
| F 20 | 16 12 14 | 3°48'06 | 11♐29 | 1♊51 | 27° 7 | 22°50 | 18°16 | 21°33 | 7°46 | 8°50 | 12°50 | 24° 7 | 23°16 | 3°46 | 2°49 | F 20 |
| S 21 | 16 16 11 | 4°45'23 | 23°55 | 4° 3 | 26°54 | 23°29 | 18°30 | 21°34 | 7°45 | 8°48 | 12°49 | 23°55 | 23°13 | 3°53 | 2°51 | S 21 |
| S 22 | 16 20 7 | 5°42'38 | 6♑10 | 6°15 | 26°38 | 24° 8 | 18°44 | 21°34 | 7°45 | 8°47 | 12°48 | 23°44 | 23°10 | 3°59 | 2°53 | S 22 |
| M23 | 16 24 4 | 6°39'54 | 18°13 | 8°27 | 26°19 | 24°47 | 18°58 | 21°35 | 7°44 | 8°45 | 12°47 | 23°34 | 23° 7 | 4° 6 | 2°55 | M23 |
| T 24 | 16 28 0 | 7°37'08 | 0♒ 9 | 10°38 | 25°59 | 25°26 | 19°11 | 21°35 | 7°43 | 8°44 | 12°46 | 23°26 | 23° 3 | 4°13 | 2°57 | T 24 |
| W25 | 16 31 57 | 8°34'23 | 12° 0 | 12°48 | 25°36 | 26° 5 | 19°25 | 21°35 | 7°42 | 8°42 | 12°46 | 23°21 | 23° 0 | 4°19 | 2°59 | W25 |
| T 26 | 16 35 54 | 9°31'37 | 23°50 | 14°58 | 25°11 | 26°44 | 19°39 | 21°36 | 7°41 | 8°40 | 12°45 | 23°18 | 22°57 | 4°26 | 3° 1 | T 26 |
| F 27 | 16 39 50 | 10°28'50 | 5♓44 | 17° 7 | 24°45 | 27°23 | 19°52 | 21°R36 | 7°41 | 8°39 | 12°44 | 23°17 | 22°54 | 4°33 | 3° 2 | F 27 |
| S 28 | 16 43 47 | 11°26'03 | 17°47 | 19°14 | 24°16 | 28° 2 | 20° 6 | 21°36 | 7°40 | 8°37 | 12°43 | 23°17 | 22°51 | 4°39 | 3° 4 | S 28 |
| S 29 | 16 47 43 | 12°23'17 | 0♈ 5 | 21°19 | 23°45 | 28°41 | 20°20 | 21°35 | 7°39 | 8°35 | 12°43 | 23°17 | 22°48 | 4°46 | 3° 6 | S 29 |
| M30 | 16 51 40 | 13°20'29 | 12°42 | 23°23 | 23°13 | 29°20 | 20°33 | 21°35 | 7°38 | 8°34 | 12°42 | 23°15 | 22°44 | 4°53 | 3° 7 | M30 |
| T 31 | 16 55 36 | 14♊17'42 | 25♈43 | 25♊26 | 22♊40 | 29♊58 | 20♉47 | 21♒35 | 7♒36 | 8♐32 | 12♎42 | 23♍12 | 22♍41 | 5♒ 0 | 3♈ 9 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n36 | 2s51 | 0n19 | 7n20 | 2s28 | 27n19 | 3n52 | 22n57 | 0n50 | 15n18 | 0s49 | 15s46 | 1s16 | 19s 2 | 0s39 | 20s28 | 1n31 | 10n55 | 17n33 | 1n44 | 2n17 | 15s54 | 3n53 | 3n20 |
| M 2 | 16 53 | 1n 8 | 0s49 | 8 2 | 2 21 | 27 17 | 3 49 | 23 3 | 0 51 | 15 22 | 0 49 | 15 45 | 1 16 | 19 2 | 0 39 | 20 28 | 1 31 | 10 56 | 17 33 | 1 45 | 2 18 | 15 53 | 3 54 | 3 20 |
| T 3 | 17 9 | 5 12 | 1 56 | 8 45 | 2 14 | 27 14 | 3 46 | 23 9 | 0 51 | 15 26 | 0 49 | 15 44 | 1 16 | 19 2 | 0 39 | 20 28 | 1 31 | 10 56 | 17 33 | 1 45 | 2 20 | 15 53 | 3 55 | 3 20 |
| W 4 | 17 25 | 9 6 | 2 58 | 9 28 | 2 7 | 27 12 | 3 42 | 23 15 | 0 51 | 15 30 | 0 49 | 15 44 | 1 17 | 19 2 | 0 39 | 20 27 | 1 31 | 10 56 | 17 32 | 1 47 | 2 21 | 15 52 | 3 56 | 3 20 |
| T 5 | 17 41 | 12 38 | 3 52 | 10 12 | 1 59 | 27 8 | 3 38 | 23 20 | 0 52 | 15 35 | 0 49 | 15 43 | 1 17 | 19 2 | 0 39 | 20 27 | 1 31 | 10 56 | 17 32 | 1 50 | 2 22 | 15 51 | 3 57 | 3 20 |
| F 6 | 17 57 | 15 33 | 4 33 | 10 57 | 1 51 | 27 5 | 3 34 | 23 26 | 0 52 | 15 39 | 0 49 | 15 43 | 1 17 | 19 2 | 0 39 | 20 27 | 1 31 | 10 56 | 17 32 | 1 53 | 2 23 | 15 50 | 3 58 | 3 20 |
| S 7 | 18 12 | 17 33 | 4 58 | 11 42 | 1 42 | 27 0 | 3 29 | 23 31 | 0 52 | 15 43 | 0 49 | 15 42 | 1 17 | 19 2 | 0 39 | 20 27 | 1 31 | 10 56 | 17 31 | 1 57 | 2 25 | 15 49 | 3 59 | 3 21 |
| S 8 | 18 27 | 18 28 | 5 5 | 12 28 | 1 33 | 26 56 | 3 24 | 23 36 | 0 53 | 15 47 | 0 49 | 15 42 | 1 17 | 19 2 | 0 39 | 20 26 | 1 31 | 10 56 | 17 31 | 2 0 | 2 26 | 15 48 | 4 1 | 3 21 |
| M 9 | 18 42 | 18 11 | 4 52 | 13 14 | 1 23 | 26 50 | 3 19 | 23 40 | 0 53 | 15 51 | 0 49 | 15 42 | 1 18 | 19 2 | 0 39 | 20 26 | 1 31 | 10 57 | 17 30 | 2 3 | 2 27 | 15 47 | 4 2 | 3 21 |
| T 10 | 18 56 | 16 43 | 4 20 | 14 0 | 1 13 | 26 45 | 3 13 | 23 45 | 0 53 | 15 55 | 0 49 | 15 41 | 1 18 | 19 2 | 0 39 | 20 26 | 1 31 | 10 57 | 17 30 | 2 5 | 2 29 | 15 46 | 4 3 | 3 21 |
| W11 | 19 10 | 14 13 | 3 32 | 14 46 | 1 3 | 26 39 | 3 6 | 23 49 | 0 54 | 15 59 | 0 49 | 15 41 | 1 18 | 19 2 | 0 39 | 20 26 | 1 31 | 10 57 | 17 30 | 2 6 | 2 30 | 15 45 | 4 4 | 3 21 |
| T 12 | 19 24 | 10 53 | 2 32 | 15 32 | 0 53 | 26 32 | 3 0 | 23 53 | 0 54 | 16 4 | 0 49 | 15 41 | 1 18 | 19 2 | 0 39 | 20 25 | 1 31 | 10 57 | 17 29 | 2 6 | 2 31 | 15 44 | 4 5 | 3 21 |
| F 13 | 19 37 | 6 59 | 1 23 | 16 17 | 0 42 | 26 25 | 2 52 | 23 57 | 0 54 | 16 8 | 0 49 | 15 40 | 1 18 | 19 2 | 0 39 | 20 25 | 1 31 | 10 57 | 17 29 | 2 6 | 2 32 | 15 43 | 4 6 | 3 21 |
| S 14 | 19 50 | 2 44 | 0 11 | 17 2 | 0 32 | 26 18 | 2 45 | 24 1 | 0 55 | 16 12 | 0 49 | 15 40 | 1 19 | 19 3 | 0 39 | 20 25 | 1 31 | 10 57 | 17 28 | 2 6 | 2 34 | 15 42 | 4 7 | 3 21 |
| S 15 | 20 3 | 1s35 | 1n 1 | 17 47 | 0 21 | 26 10 | 2 37 | 24 4 | 0 55 | 16 16 | 0 49 | 15 40 | 1 19 | 19 3 | 0 39 | 20 25 | 1 31 | 10 57 | 17 28 | 2 6 | 2 35 | 15 41 | 4 8 | 3 21 |
| M16 | 20 15 | 5 46 | 2 9 | 18 30 | 0 10 | 26 1 | 2 28 | 24 8 | 0 55 | 16 20 | 0 49 | 15 40 | 1 19 | 19 3 | 0 39 | 20 24 | 1 31 | 10 57 | 17 27 | 2 7 | 2 36 | 15 40 | 4 9 | 3 21 |
| T 17 | 20 27 | 9 37 | 3 9 | 19 12 | 0n 1 | 25 52 | 2 19 | 24 11 | 0 56 | 16 24 | 0 48 | 15 40 | 1 19 | 19 3 | 0 39 | 20 24 | 1 31 | 10 57 | 17 27 | 2 9 | 2 37 | 15 39 | 4 10 | 3 21 |
| W18 | 20 39 | 12 56 | 3 57 | 19 53 | 0 11 | 25 42 | 2 10 | 24 14 | 0 56 | 16 27 | 0 48 | 15 39 | 1 19 | 19 3 | 0 39 | 20 24 | 1 31 | 10 57 | 17 27 | 2 12 | 2 39 | 15 38 | 4 11 | 3 22 |
| T 19 | 20 50 | 15 34 | 4 33 | 20 32 | 0 22 | 25 32 | 2 0 | 24 16 | 0 56 | 16 31 | 0 48 | 15 39 | 1 20 | 19 3 | 0 39 | 20 24 | 1 31 | 10 57 | 17 26 | 2 16 | 2 40 | 15 37 | 4 12 | 3 22 |
| F 20 | 21 1 | 17 25 | 4 55 | 21 10 | 0 32 | 25 22 | 1 50 | 24 19 | 0 57 | 16 35 | 0 48 | 15 39 | 1 20 | 19 3 | 0 39 | 20 23 | 1 31 | 10 56 | 17 26 | 2 21 | 2 41 | 15 36 | 4 12 | 3 22 |
| S 21 | 21 12 | 18 24 | 5 2 | 21 45 | 0 42 | 25 11 | 1 39 | 24 21 | 0 57 | 16 39 | 0 48 | 15 39 | 1 20 | 19 4 | 0 39 | 20 23 | 1 31 | 10 56 | 17 25 | 2 26 | 2 42 | 15 35 | 4 13 | 3 22 |
| S 22 | 21 22 | 18 31 | 4 55 | 22 19 | 0 51 | 24 59 | 1 28 | 24 23 | 0 57 | 16 43 | 0 48 | 15 39 | 1 20 | 19 4 | 0 39 | 20 23 | 1 31 | 10 56 | 17 25 | 2 30 | 2 44 | 15 34 | 4 14 | 3 22 |
| M23 | 21 32 | 17 47 | 4 35 | 22 49 | 1 0 | 24 47 | 1 16 | 24 25 | 0 57 | 16 47 | 0 48 | 15 39 | 1 20 | 19 4 | 0 39 | 20 23 | 1 31 | 10 56 | 17 24 | 2 34 | 2 45 | 15 33 | 4 15 | 3 22 |
| T 24 | 21 42 | 16 16 | 4 3 | 23 18 | 1 9 | 24 35 | 1 4 | 24 27 | 0 58 | 16 51 | 0 48 | 15 39 | 1 21 | 19 4 | 0 39 | 20 22 | 1 31 | 10 56 | 17 24 | 2 37 | 2 46 | 15 32 | 4 16 | 3 22 |
| W25 | 21 51 | 14 5 | 3 20 | 23 43 | 1 17 | 24 21 | 0 52 | 24 28 | 0 58 | 16 54 | 0 48 | 15 40 | 1 21 | 19 5 | 0 40 | 20 22 | 1 31 | 10 56 | 17 23 | 2 39 | 2 47 | 15 31 | 4 17 | 3 22 |
| T 26 | 22 0 | 11 18 | 2 30 | 24 6 | 1 24 | 24 8 | 0 39 | 24 30 | 0 58 | 16 58 | 0 48 | 15 40 | 1 21 | 19 5 | 0 40 | 20 22 | 1 31 | 10 56 | 17 23 | 2 41 | 2 49 | 15 30 | 4 18 | 3 22 |
| F 27 | 22 8 | 8 2 | 1 32 | 24 27 | 1 31 | 23 54 | 0 26 | 24 31 | 0 58 | 17 2 | 0 48 | 15 40 | 1 21 | 19 5 | 0 40 | 20 22 | 1 31 | 10 55 | 17 22 | 2 41 | 2 50 | 15 29 | 4 18 | 3 22 |
| S 28 | 22 16 | 4 24 | 0 29 | 24 44 | 1 37 | 23 39 | 0 13 | 24 32 | 0 59 | 17 5 | 0 48 | 15 40 | 1 22 | 19 5 | 0 40 | 20 21 | 1 31 | 10 55 | 17 22 | 2 41 | 2 51 | 15 28 | 4 19 | 3 23 |
| S 29 | 22 24 | 0 31 | 0s36 | 24 59 | 1 42 | 23 24 | 0s 1 | 24 33 | 0 59 | 17 9 | 0 48 | 15 40 | 1 22 | 19 6 | 0 40 | 20 21 | 1 31 | 10 55 | 17 21 | 2 41 | 2 53 | 15 27 | 4 20 | 3 23 |
| M30 | 22 31 | 3n30 | 1 41 | 25 10 | 1 47 | 23 9 | 0 15 | 24 33 | 0 59 | 17 13 | 0 48 | 15 41 | 1 22 | 19 6 | 0 40 | 20 21 | 1 31 | 10 55 | 17 21 | 2 41 | 2 54 | 15 26 | 4 21 | 3 23 |
| T 31 | 22n38 | 7n28 | 2s43 | 25n20 | 1n50 | 22n53 | 0s29 | 24n34 | 1n 0 | 17n16 | 0s48 | 15s41 | 1s22 | 19s 6 | 0s40 | 20s21 | 1n31 | 10n54 | 17n20 | 2n43 | 2n55 | 15s25 | 4n22 | 3n23 |

Julian Day Number = 2083506.5, Delta T = 25m01s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'45, Lahiri = 9°48'46 Julian Calendar 1 May 992 == Greg. Calendar 6 May 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## JUNE 992 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 59 33 | 15♊14'55 | 9♉11 | 27♊26 | 22°R 5 | 0♋37 | 21♉ 0 | 21°R34 | 7°R35 | 8°R31 | 12°R41 | 23°R 6 | 22♍38 | 5♒ 6 | 3♈11 | W 1 |
| T 2 | 17 3 29 | 16°12'07 | 23° 6 | 29°24 | 21♊30 | 1°16 | 21°13 | 21♒34 | 7♒34 | 8♐29 | 12♎41 | 22♍58 | 22°35 | 5°13 | 3°12 | T 2 |
| F 3 | 17 7 26 | 17° 9'19 | 7♊26 | 1♋21 | 20°53 | 1°55 | 21°27 | 21°33 | 7°33 | 8°27 | 12°40 | 22°48 | 22°32 | 5°20 | 3°14 | F 3 |
| S 4 | 17 11 23 | 18° 6'31 | 22° 5 | 3°15 | 20°16 | 2°34 | 21°40 | 21°33 | 7°32 | 8°26 | 12°40 | 22°37 | 22°29 | 5°26 | 3°15 | S 4 |
| S 5 | 17 15 19 | 19° 3'43 | 6♋56 | 5° 7 | 19°39 | 3°12 | 21°53 | 21°32 | 7°30 | 8°24 | 12°39 | 22°26 | 22°25 | 5°33 | 3°16 | S 5 |
| M 6 | 17 19 16 | 20° 0'55 | 21°50 | 6°57 | 19° 1 | 3°51 | 22° 7 | 21°31 | 7°29 | 8°23 | 12°39 | 22°17 | 22°22 | 5°40 | 3°18 | M 6 |
| T 7 | 17 23 12 | 20°58'06 | 6♌39 | 8°45 | 18°24 | 4°30 | 22°20 | 21°30 | 7°28 | 8°21 | 12°38 | 22°10 | 22°19 | 5°46 | 3°19 | T 7 |
| W 8 | 17 27 9 | 21°55'16 | 21°15 | 10°30 | 17°47 | 5° 8 | 22°33 | 21°29 | 7°26 | 8°19 | 12°38 | 22° 5 | 22°16 | 5°53 | 3°20 | W 8 |
| T 9 | 17 31 5 | 22°52'27 | 5♍34 | 12°14 | 17°11 | 5°47 | 22°46 | 21°28 | 7°25 | 8°18 | 12°38 | 22° 3 | 22°13 | 6° 0 | 3°21 | T 9 |
| F 10 | 17 35 2 | 23°49'36 | 19°35 | 13°55 | 16°35 | 6°26 | 22°59 | 21°26 | 7°23 | 8°16 | 12°38 | 22° 3 | 22° 9 | 6° 6 | 3°22 | F 10 |
| S 11 | 17 38 59 | 24°46'46 | 3♎17 | 15°34 | 16° 0 | 7° 4 | 23°12 | 21°25 | 7°22 | 8°15 | 12°37 | 22° 3 | 22° 6 | 6°13 | 3°23 | S 11 |
| S 12 | 17 42 55 | 25°43'55 | 16°42 | 17°11 | 15°27 | 7°43 | 23°25 | 21°23 | 7°20 | 8°13 | 12°37 | 22° 2 | 22° 3 | 6°20 | 3°24 | S 12 |
| M13 | 17 46 52 | 26°41'03 | 29°51 | 18°46 | 14°55 | 8°22 | 23°38 | 21°22 | 7°19 | 8°12 | 12°37 | 21°59 | 22° 0 | 6°26 | 3°25 | M13 |
| T 14 | 17 50 48 | 27°38'12 | 12♏47 | 20°19 | 14°25 | 9° 0 | 23°50 | 21°20 | 7°17 | 8°10 | 12°37 | 21°53 | 21°57 | 6°33 | 3°26 | T 14 |
| W15 | 17 54 45 | 28°35'20 | 25°31 | 21°49 | 13°57 | 9°39 | 24° 3 | 21°18 | 7°15 | 8° 9 | 12°37 | 21°45 | 21°54 | 6°40 | 3°27 | W15 |
| T 16 | 17 58 41 | 29°32'29 | 8♐ 3 | 23°17 | 13°30 | 10°17 | 24°16 | 21°16 | 7°14 | 8° 7 | 12°37 | 21°34 | 21°50 | 6°47 | 3°28 | T 16 |
| F 17 | 18 2 38 | 0♋29'37 | 20°26 | 24°43 | 13° 5 | 10°56 | 24°29 | 21°15 | 7°12 | 8° 6 | 12°D37 | 21°21 | 21°47 | 6°53 | 3°29 | F 17 |
| S 18 | 18 6 34 | 1°26'46 | 2♑40 | 26° 6 | 12°43 | 11°34 | 24°41 | 21°12 | 7°10 | 8° 4 | 12°37 | 21° 8 | 21°44 | 7° 0 | 3°29 | S 18 |
| S 19 | 18 10 31 | 2°23'55 | 14°45 | 27°27 | 12°23 | 12°13 | 24°54 | 21°10 | 7° 8 | 8° 3 | 12°37 | 20°55 | 21°41 | 7° 7 | 3°30 | S 19 |
| M20 | 18 14 28 | 3°21'04 | 26°42 | 28°46 | 12° 5 | 12°51 | 25° 6 | 21° 8 | 7° 6 | 8° 1 | 12°37 | 20°44 | 21°38 | 7°13 | 3°31 | M20 |
| T 21 | 18 18 24 | 4°18'13 | 8♒34 | 0♌ 3 | 11°50 | 13°30 | 25°18 | 21° 6 | 7° 5 | 8° 0 | 12°37 | 20°35 | 21°35 | 7°20 | 3°31 | T 21 |
| W22 | 18 22 21 | 5°15'23 | 20°23 | 1°17 | 11°36 | 14° 8 | 25°31 | 21° 3 | 7° 3 | 7°59 | 12°37 | 20°29 | 21°31 | 7°27 | 3°32 | W22 |
| T 23 | 18 26 17 | 6°12'34 | 2♓12 | 2°28 | 11°26 | 14°47 | 25°43 | 21° 1 | 7° 1 | 7°57 | 12°37 | 20°26 | 21°28 | 7°33 | 3°32 | T 23 |
| F 24 | 18 30 14 | 7° 9'45 | 14° 5 | 3°37 | 11°17 | 15°25 | 25°55 | 20°58 | 6°59 | 7°56 | 12°37 | 20°24 | 21°25 | 7°40 | 3°33 | F 24 |
| S 25 | 18 34 10 | 8° 6'56 | 26° 7 | 4°43 | 11°11 | 16° 4 | 26° 7 | 20°56 | 6°57 | 7°55 | 12°38 | 20°D24 | 21°22 | 7°47 | 3°33 | S 25 |
| S 26 | 18 38 7 | 9° 4'08 | 8♈23 | 5°46 | 11° 8 | 16°42 | 26°19 | 20°53 | 6°55 | 7°53 | 12°38 | 20°R25 | 21°19 | 7°53 | 3°33 | S 26 |
| M27 | 18 42 3 | 10° 1'21 | 20°58 | 6°47 | 11°D 7 | 17°21 | 26°31 | 20°50 | 6°53 | 7°52 | 12°38 | 20°24 | 21°15 | 8° 0 | 3°33 | M27 |
| T 28 | 18 46 0 | 10°58'35 | 3♉58 | 7°44 | 11° 8 | 17°59 | 26°43 | 20°47 | 6°51 | 7°51 | 12°39 | 20°22 | 21°12 | 8° 7 | 3°34 | T 28 |
| W29 | 18 49 57 | 11°55'50 | 17°25 | 8°39 | 11°11 | 18°37 | 26°55 | 20°44 | 6°49 | 7°49 | 12°39 | 20°18 | 21° 9 | 8°13 | 3°34 | W29 |
| T 30 | 18 53 53 | 12♋53'05 | 1♊21 | 9♌30 | 11♊17 | 19♋16 | 27♉ 7 | 20♒41 | 6♒46 | 7♐48 | 12♎39 | 20♍11 | 21♍ 6 | 8♒20 | 3♈34 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n45 | 11n12 | 3s38 | 25n26 | 1n54 | 22n37 | 0s43 | 24n34 | 1n 0 | 17n20 | 0s48 | 15s41 | 1s22 | 19s 7 | 0s40 | 20s20 | 1n31 | 10n54 | 17n20 | 2n45 | 2n56 | 15s24 | 4n22 | 3n23 |
| T 2 | 22 51 | 14 26 | 4 21 | 25 30 | 1 56 | 22 21 | 0 57 | 24 34 | 1 0 | 17 23 | 0 48 | 15 42 | 1 23 | 19 7 | 0 40 | 20 20 | 1 31 | 10 54 | 17 19 | 2 48 | 2 58 | 15 23 | 4 23 | 3 23 |
| F 3 | 22 57 | 16 54 | 4 50 | 25 31 | 1 58 | 22 4 | 1 11 | 24 33 | 1 0 | 17 27 | 0 48 | 15 42 | 1 23 | 19 7 | 0 40 | 20 20 | 1 31 | 10 54 | 17 18 | 2 52 | 2 59 | 15 22 | 4 24 | 3 23 |
| S 4 | 23 2 | 18 20 | 5 1 | 25 30 | 1 58 | 21 48 | 1 25 | 24 33 | 1 0 | 17 30 | 0 48 | 15 42 | 1 23 | 19 8 | 0 40 | 20 20 | 1 31 | 10 53 | 17 18 | 2 57 | 3 0 | 15 21 | 4 24 | 3 23 |
| S 5 | 23 7 | 18 32 | 4 51 | 25 27 | 1 59 | 21 31 | 1 39 | 24 32 | 1 1 | 17 34 | 0 48 | 15 43 | 1 23 | 19 8 | 0 40 | 20 20 | 1 31 | 10 53 | 17 17 | 3 1 | 3 1 | 15 20 | 4 25 | 3 23 |
| M 6 | 23 11 | 17 28 | 4 22 | 25 21 | 1 58 | 21 14 | 1 53 | 24 32 | 1 1 | 17 37 | 0 48 | 15 43 | 1 23 | 19 8 | 0 40 | 20 19 | 1 31 | 10 53 | 17 17 | 3 5 | 3 3 | 15 19 | 4 26 | 3 24 |
| T 7 | 23 15 | 15 14 | 3 35 | 25 13 | 1 57 | 20 57 | 2 6 | 24 31 | 1 1 | 17 41 | 0 48 | 15 44 | 1 24 | 19 9 | 0 40 | 20 19 | 1 31 | 10 52 | 17 16 | 3 8 | 3 4 | 15 18 | 4 26 | 3 24 |
| W 8 | 23 19 | 12 3 | 2 35 | 25 4 | 1 55 | 20 41 | 2 20 | 24 29 | 1 1 | 17 44 | 0 48 | 15 44 | 1 24 | 19 9 | 0 40 | 20 19 | 1 31 | 10 52 | 17 16 | 3 9 | 3 5 | 15 17 | 4 27 | 3 24 |
| T 9 | 23 22 | 8 11 | 1 26 | 24 52 | 1 53 | 20 25 | 2 33 | 24 28 | 1 2 | 17 47 | 0 48 | 15 45 | 1 24 | 19 10 | 0 40 | 20 19 | 1 31 | 10 51 | 17 15 | 3 10 | 3 6 | 15 16 | 4 27 | 3 24 |
| F 10 | 23 25 | 3 57 | 0 13 | 24 39 | 1 50 | 20 9 | 2 45 | 24 26 | 1 2 | 17 51 | 0 48 | 15 46 | 1 24 | 19 10 | 0 40 | 20 18 | 1 31 | 10 51 | 17 15 | 3 10 | 3 8 | 15 15 | 4 28 | 3 24 |
| S 11 | 23 28 | 0s25 | 0n59 | 24 25 | 1 46 | 19 53 | 2 57 | 24 25 | 1 2 | 17 54 | 0 48 | 15 46 | 1 24 | 19 10 | 0 40 | 20 18 | 1 31 | 10 51 | 17 14 | 3 10 | 3 9 | 15 14 | 4 28 | 3 24 |
| S 12 | 23 30 | 4 39 | 2 6 | 24 8 | 1 42 | 19 38 | 3 9 | 24 23 | 1 2 | 17 57 | 0 48 | 15 47 | 1 25 | 19 11 | 0 40 | 20 18 | 1 31 | 10 50 | 17 13 | 3 11 | 3 10 | 15 13 | 4 29 | 3 24 |
| M13 | 23 32 | 8 35 | 3 6 | 23 51 | 1 37 | 19 23 | 3 20 | 24 20 | 1 3 | 18 1 | 0 48 | 15 48 | 1 25 | 19 11 | 0 40 | 20 18 | 1 31 | 10 50 | 17 13 | 3 12 | 3 11 | 15 12 | 4 30 | 3 24 |
| T 14 | 23 33 | 12 2 | 3 54 | 23 32 | 1 32 | 19 9 | 3 31 | 24 18 | 1 3 | 18 4 | 0 48 | 15 48 | 1 25 | 19 12 | 0 40 | 20 18 | 1 31 | 10 49 | 17 12 | 3 14 | 3 13 | 15 11 | 4 30 | 3 25 |
| W15 | 23 34 | 14 52 | 4 30 | 23 12 | 1 26 | 18 56 | 3 41 | 24 16 | 1 3 | 18 7 | 0 48 | 15 49 | 1 25 | 19 12 | 0 40 | 20 17 | 1 31 | 10 49 | 17 12 | 3 17 | 3 14 | 15 10 | 4 30 | 3 25 |
| T 16 | 23 34 | 16 58 | 4 52 | 22 51 | 1 19 | 18 43 | 3 51 | 24 13 | 1 3 | 18 10 | 0 48 | 15 50 | 1 25 | 19 13 | 0 40 | 20 17 | 1 31 | 10 48 | 17 11 | 3 22 | 3 15 | 15 9 | 4 31 | 3 25 |
| F 17 | 23 34 | 18 14 | 5 0 | 22 29 | 1 12 | 18 31 | 4 0 | 24 10 | 1 3 | 18 13 | 0 48 | 15 51 | 1 26 | 19 13 | 0 40 | 20 17 | 1 31 | 10 48 | 17 11 | 3 27 | 3 16 | 15 8 | 4 31 | 3 25 |
| S 18 | 23 34 | 18 38 | 4 54 | 22 6 | 1 4 | 18 20 | 4 9 | 24 7 | 1 4 | 18 16 | 0 48 | 15 52 | 1 26 | 19 14 | 0 40 | 20 17 | 1 31 | 10 47 | 17 10 | 3 32 | 3 18 | 15 7 | 4 32 | 3 25 |
| S 19 | 23 33 | 18 11 | 4 35 | 21 42 | 0 56 | 18 10 | 4 17 | 24 4 | 1 4 | 18 19 | 0 48 | 15 52 | 1 26 | 19 14 | 0 40 | 20 16 | 1 31 | 10 47 | 17 9 | 3 37 | 3 19 | 15 6 | 4 32 | 3 25 |
| M20 | 23 31 | 16 56 | 4 4 | 21 18 | 0 48 | 18 0 | 4 24 | 24 0 | 1 4 | 18 22 | 0 48 | 15 53 | 1 26 | 19 15 | 0 40 | 20 16 | 1 31 | 10 46 | 17 9 | 3 41 | 3 20 | 15 5 | 4 32 | 3 25 |
| T 21 | 23 30 | 14 57 | 3 23 | 20 53 | 0 39 | 17 51 | 4 31 | 23 56 | 1 4 | 18 25 | 0 48 | 15 54 | 1 26 | 19 15 | 0 40 | 20 16 | 1 31 | 10 45 | 17 8 | 3 45 | 3 21 | 15 4 | 4 33 | 3 26 |
| W22 | 23 28 | 12 22 | 2 32 | 20 28 | 0 30 | 17 43 | 4 37 | 23 53 | 1 4 | 18 28 | 0 48 | 15 55 | 1 27 | 19 16 | 0 40 | 20 16 | 1 31 | 10 45 | 17 8 | 3 47 | 3 23 | 15 2 | 4 33 | 3 26 |
| T 23 | 23 25 | 9 16 | 1 35 | 20 2 | 0 20 | 17 36 | 4 43 | 23 49 | 1 4 | 18 31 | 0 48 | 15 56 | 1 27 | 19 16 | 0 40 | 20 16 | 1 31 | 10 44 | 17 7 | 3 49 | 3 24 | 15 1 | 4 33 | 3 26 |
| F 24 | 23 22 | 5 47 | 0 34 | 19 36 | 0 10 | 17 30 | 4 48 | 23 44 | 1 5 | 18 34 | 0 48 | 15 57 | 1 27 | 19 17 | 0 40 | 20 16 | 1 31 | 10 44 | 17 7 | 3 49 | 3 25 | 15 0 | 4 34 | 3 26 |
| S 25 | 23 19 | 2 1 | 0s30 | 19 10 | 0s 1 | 17 24 | 4 53 | 23 40 | 1 5 | 18 37 | 0 48 | 15 58 | 1 27 | 19 17 | 0 40 | 20 15 | 1 31 | 10 43 | 17 6 | 3 49 | 3 27 | 14 59 | 4 34 | 3 26 |
| S 26 | 23 15 | 1n54 | 1 34 | 18 44 | 0 12 | 17 20 | 4 57 | 23 35 | 1 5 | 18 40 | 0 48 | 15 59 | 1 27 | 19 18 | 0 40 | 20 15 | 1 31 | 10 42 | 17 5 | 3 49 | 3 28 | 14 58 | 4 34 | 3 26 |
| M27 | 23 11 | 5 50 | 2 35 | 18 18 | 0 23 | 17 16 | 5 1 | 23 31 | 1 5 | 18 42 | 0 48 | 16 0 | 1 28 | 19 18 | 0 40 | 20 15 | 1 30 | 10 42 | 17 5 | 3 49 | 3 29 | 14 57 | 4 34 | 3 26 |
| T 28 | 23 7 | 9 37 | 3 30 | 17 52 | 0 35 | 17 13 | 5 4 | 23 26 | 1 5 | 18 45 | 0 48 | 16 1 | 1 28 | 19 19 | 0 40 | 20 15 | 1 30 | 10 41 | 17 4 | 3 50 | 3 30 | 14 56 | 4 35 | 3 26 |
| W29 | 23 2 | 13 2 | 4 15 | 17 26 | 0 47 | 17 11 | 5 7 | 23 21 | 1 5 | 18 48 | 0 48 | 16 3 | 1 28 | 19 19 | 0 40 | 20 15 | 1 30 | 10 40 | 17 4 | 3 52 | 3 32 | 14 55 | 4 35 | 3 27 |
| T 30 | 22n56 | 15n51 | 4s47 | 17n 1 | 0s59 | 17n 9 | 5s 9 | 23n15 | 1n 6 | 18n51 | 0s48 | 16s 4 | 1s28 | 19s20 | 0s41 | 20s14 | 1n30 | 10n40 | 17n 3 | 3n55 | 3n33 | 14s54 | 4n35 | 3n27 |

Julian Day Number = 2083537.5, Delta T = 25m01s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'49, Lahiri = 9°48'50 Julian Calendar 1 June 992 == Greg. Calendar 6 June 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## JULY 992 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 57 50 | 13♋50'21 | 15♊46 | 10♌18 | 11♊25 | 19♋54 | 27♉19 | 20°R38 | 6°R44 | 7°R47 | 12♎40 | 20°R 2 | 21♍ 3 | 8♒27 | 3°R34 | F 1 |
| S 2 | 19 1 46 | 14°47'38 | 0♋34 | 11° 3 | 11°35 | 20°33 | 27°30 | 20♒35 | 6♒42 | 7♐46 | 12°40 | 19♍53 | 21° 0 | 8°33 | 3♈34 | S 2 |
| S 3 | 19 5 43 | 15°44'56 | 15°39 | 11°43 | 11°47 | 21°11 | 27°42 | 20°32 | 6°40 | 7°44 | 12°41 | 19°44 | 20°56 | 8°40 | 3°34 | S 3 |
| M 4 | 19 9 39 | 16°42'15 | 0♌50 | 12°20 | 12° 1 | 21°49 | 27°53 | 20°29 | 6°38 | 7°43 | 12°41 | 19°35 | 20°53 | 8°47 | 3°34 | M 4 |
| T 5 | 19 13 36 | 17°39'34 | 15°56 | 12°54 | 12°17 | 22°28 | 28° 4 | 20°25 | 6°36 | 7°42 | 12°42 | 19°29 | 20°50 | 8°54 | 3°34 | T 5 |
| W 6 | 19 17 32 | 18°36'53 | 0♍50 | 13°23 | 12°35 | 23° 6 | 28°16 | 20°22 | 6°33 | 7°41 | 12°43 | 19°26 | 20°47 | 9° 0 | 3°33 | W 6 |
| T 7 | 19 21 29 | 19°34'13 | 15°24 | 13°47 | 12°54 | 23°44 | 28°27 | 20°18 | 6°31 | 7°40 | 12°43 | 19°D25 | 20°44 | 9° 7 | 3°33 | T 7 |
| F 8 | 19 25 26 | 20°31'34 | 29°35 | 14° 8 | 13°16 | 24°23 | 28°38 | 20°15 | 6°29 | 7°39 | 12°44 | 19°25 | 20°41 | 9°14 | 3°33 | F 8 |
| S 9 | 19 29 22 | 21°28'55 | 13♎22 | 14°23 | 13°39 | 25° 1 | 28°49 | 20°11 | 6°27 | 7°38 | 12°45 | 19°26 | 20°37 | 9°20 | 3°32 | S 9 |
| S 10 | 19 33 19 | 22°26'17 | 26°46 | 14°34 | 14° 4 | 25°39 | 29° 0 | 20° 7 | 6°24 | 7°37 | 12°45 | 19°R26 | 20°34 | 9°27 | 3°32 | S 10 |
| M11 | 19 37 15 | 23°23'39 | 9♏49 | 14°40 | 14°30 | 26°18 | 29°11 | 20° 4 | 6°22 | 7°36 | 12°46 | 19°24 | 20°31 | 9°34 | 3°31 | M11 |
| T 12 | 19 41 12 | 24°21'02 | 22°35 | 14°R41 | 14°58 | 26°56 | 29°21 | 20° 0 | 6°20 | 7°35 | 12°47 | 19°21 | 20°28 | 9°40 | 3°31 | T 12 |
| W13 | 19 45 8 | 25°18'26 | 5♐ 7 | 14°36 | 15°28 | 27°34 | 29°32 | 19°56 | 6°17 | 7°34 | 12°48 | 19°15 | 20°25 | 9°47 | 3°30 | W13 |
| T 14 | 19 49 5 | 26°15'51 | 17°27 | 14°26 | 15°59 | 28°13 | 29°42 | 19°52 | 6°15 | 7°33 | 12°49 | 19° 8 | 20°21 | 9°54 | 3°30 | T 14 |
| F 15 | 19 53 1 | 27°13'16 | 29°37 | 14°11 | 16°31 | 28°51 | 29°53 | 19°48 | 6°13 | 7°32 | 12°50 | 18°59 | 20°18 | 10° 0 | 3°29 | F 15 |
| S 16 | 19 56 58 | 28°10'43 | 11♑40 | 13°51 | 17° 5 | 29°29 | 0♊ 3 | 19°44 | 6°10 | 7°31 | 12°51 | 18°49 | 20°15 | 10° 7 | 3°28 | S 16 |
| S 17 | 20 0 55 | 29° 8'10 | 23°37 | 13°26 | 17°40 | 0♌ 7 | 0°13 | 19°40 | 6° 8 | 7°30 | 12°52 | 18°40 | 20°12 | 10°14 | 3°27 | S 17 |
| M18 | 20 4 51 | 0♌ 5'38 | 5♒29 | 12°56 | 18°16 | 0°46 | 0°23 | 19°36 | 6° 6 | 7°29 | 12°53 | 18°32 | 20° 9 | 10°20 | 3°27 | M18 |
| T 19 | 20 8 48 | 1° 3'08 | 17°19 | 12°21 | 18°54 | 1°24 | 0°33 | 19°32 | 6° 3 | 7°28 | 12°54 | 18°26 | 20° 6 | 10°27 | 3°26 | T 19 |
| W20 | 20 12 44 | 2° 0'39 | 29° 7 | 11°42 | 19°32 | 2° 2 | 0°43 | 19°27 | 6° 1 | 7°28 | 12°55 | 18°22 | 20° 2 | 10°34 | 3°25 | W20 |
| T 21 | 20 16 41 | 2°58'11 | 10♓58 | 10°59 | 20°12 | 2°40 | 0°53 | 19°23 | 5°58 | 7°27 | 12°56 | 18°20 | 19°59 | 10°40 | 3°24 | T 21 |
| F 22 | 20 20 37 | 3°55'44 | 22°54 | 10°14 | 20°53 | 3°18 | 1° 3 | 19°19 | 5°56 | 7°26 | 12°57 | 18°D19 | 19°56 | 10°47 | 3°23 | F 22 |
| S 23 | 20 24 34 | 4°53'19 | 4♈58 | 9°26 | 21°34 | 3°57 | 1°12 | 19°15 | 5°54 | 7°25 | 12°58 | 18°20 | 19°53 | 10°54 | 3°22 | S 23 |
| S 24 | 20 28 30 | 5°50'55 | 17°15 | 8°36 | 22°17 | 4°35 | 1°22 | 19°10 | 5°51 | 7°25 | 12°59 | 18°22 | 19°50 | 11° 0 | 3°21 | S 24 |
| M25 | 20 32 27 | 6°48'33 | 29°50 | 7°46 | 23° 1 | 5°13 | 1°31 | 19° 6 | 5°49 | 7°24 | 13° 1 | 18°23 | 19°46 | 11° 7 | 3°19 | M25 |
| T 26 | 20 36 24 | 7°46'13 | 12♉46 | 6°56 | 23°46 | 5°51 | 1°40 | 19° 1 | 5°46 | 7°24 | 13° 2 | 18°R23 | 19°43 | 11°14 | 3°18 | T 26 |
| W27 | 20 40 20 | 8°43'54 | 26° 8 | 6° 8 | 24°31 | 6°30 | 1°49 | 18°57 | 5°44 | 7°23 | 13° 3 | 18°22 | 19°40 | 11°20 | 3°17 | W27 |
| T 28 | 20 44 17 | 9°41'37 | 9♊58 | 5°21 | 25°18 | 7° 8 | 1°58 | 18°53 | 5°42 | 7°22 | 13° 5 | 18°19 | 19°37 | 11°27 | 3°16 | T 28 |
| F 29 | 20 48 13 | 10°39'22 | 24°16 | 4°38 | 26° 5 | 7°46 | 2° 7 | 18°48 | 5°39 | 7°22 | 13° 6 | 18°14 | 19°34 | 11°34 | 3°14 | F 29 |
| S 30 | 20 52 10 | 11°37'08 | 8♋59 | 3°59 | 26°53 | 8°24 | 2°16 | 18°44 | 5°37 | 7°21 | 13° 7 | 18° 9 | 19°31 | 11°40 | 3°13 | S 30 |
| S 31 | 20 56 6 | 12♌34'56 | 24♋ 1 | 3♌26 | 27♊42 | 9♌ 2 | 2♊24 | 18♒39 | 5♒34 | 7♐21 | 13♎ 9 | 18♍ 4 | 19♍27 | 11♒47 | 3♈11 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n51 | 17n47 | 5s 3 | 16n36 | 1s12 | 17n 8 | 5s11 | 23n10 | 1n 6 | 18n53 | 0s48 | 16s 5 | 1s28 | 19s20 | 0s41 | 20s14 | 1n30 | 10n39 | 17n 2 | 3n58 | 3n34 | 14s53 | 4n35 | 3n27 |
| S 2 | 22 44 | 18 36 | 4 58 | 16 12 | 1 24 | 17 8 | 5 12 | 23 4 | 1 6 | 18 56 | 0 48 | 16 6 | 1 28 | 19 21 | 0 41 | 20 14 | 1 30 | 10 38 | 17 2 | 4 2 | 3 35 | 14 52 | 4 35 | 3 27 |
| S 3 | 22 38 | 18 7 | 4 33 | 15 48 | 1 37 | 17 8 | 5 14 | 22 59 | 1 6 | 18 59 | 0 48 | 16 7 | 1 29 | 19 22 | 0 41 | 20 14 | 1 30 | 10 37 | 17 1 | 4 5 | 3 37 | 14 51 | 4 35 | 3 27 |
| M 4 | 22 31 | 16 21 | 3 49 | 15 26 | 1 50 | 17 9 | 5 14 | 22 53 | 1 6 | 19 1 | 0 48 | 16 9 | 1 29 | 19 22 | 0 41 | 20 14 | 1 30 | 10 37 | 17 1 | 4 9 | 3 38 | 14 50 | 4 35 | 3 27 |
| T 5 | 22 24 | 13 27 | 2 49 | 15 4 | 2 3 | 17 11 | 5 15 | 22 46 | 1 6 | 19 4 | 0 48 | 16 10 | 1 29 | 19 23 | 0 41 | 20 14 | 1 30 | 10 36 | 17 0 | 4 11 | 3 39 | 14 48 | 4 35 | 3 27 |
| W 6 | 22 16 | 9 43 | 1 38 | 14 43 | 2 17 | 17 13 | 5 15 | 22 40 | 1 6 | 19 6 | 0 48 | 16 11 | 1 29 | 19 23 | 0 41 | 20 14 | 1 30 | 10 35 | 17 0 | 4 12 | 3 40 | 14 47 | 4 35 | 3 27 |
| T 7 | 22 8 | 5 27 | 0 21 | 14 23 | 2 30 | 17 16 | 5 15 | 22 34 | 1 7 | 19 9 | 0 48 | 16 12 | 1 29 | 19 24 | 0 41 | 20 13 | 1 30 | 10 34 | 16 59 | 4 13 | 3 42 | 14 46 | 4 35 | 3 28 |
| F 8 | 21 59 | 1 0 | 0n54 | 14 5 | 2 43 | 17 19 | 5 14 | 22 27 | 1 7 | 19 11 | 0 48 | 16 14 | 1 29 | 19 24 | 0 41 | 20 13 | 1 30 | 10 34 | 16 58 | 4 13 | 3 43 | 14 45 | 4 35 | 3 28 |
| S 9 | 21 51 | 3s23 | 2 5 | 13 48 | 2 56 | 17 23 | 5 13 | 22 20 | 1 7 | 19 13 | 0 48 | 16 15 | 1 30 | 19 25 | 0 41 | 20 13 | 1 30 | 10 33 | 16 58 | 4 12 | 3 44 | 14 44 | 4 35 | 3 28 |
| S 10 | 21 41 | 7 29 | 3 6 | 13 32 | 3 9 | 17 26 | 5 12 | 22 13 | 1 7 | 19 16 | 0 48 | 16 16 | 1 30 | 19 26 | 0 41 | 20 13 | 1 30 | 10 32 | 16 57 | 4 12 | 3 45 | 14 43 | 4 35 | 3 28 |
| M11 | 21 32 | 11 6 | 3 57 | 13 19 | 3 21 | 17 31 | 5 11 | 22 6 | 1 7 | 19 18 | 0 48 | 16 18 | 1 30 | 19 26 | 0 41 | 20 13 | 1 30 | 10 31 | 16 57 | 4 13 | 3 47 | 14 42 | 4 35 | 3 28 |
| T 12 | 21 22 | 14 6 | 4 34 | 13 7 | 3 34 | 17 35 | 5 9 | 21 59 | 1 7 | 19 20 | 0 48 | 16 19 | 1 30 | 19 27 | 0 41 | 20 13 | 1 30 | 10 30 | 16 56 | 4 14 | 3 48 | 14 41 | 4 35 | 3 28 |
| W13 | 21 11 | 16 24 | 4 57 | 12 57 | 3 45 | 17 40 | 5 8 | 21 52 | 1 7 | 19 23 | 0 48 | 16 20 | 1 30 | 19 27 | 0 41 | 20 13 | 1 30 | 10 30 | 16 56 | 4 17 | 3 49 | 14 40 | 4 35 | 3 28 |
| T 14 | 21 1 | 17 54 | 5 6 | 12 49 | 3 56 | 17 45 | 5 6 | 21 44 | 1 8 | 19 25 | 0 48 | 16 22 | 1 30 | 19 28 | 0 41 | 20 13 | 1 30 | 10 29 | 16 55 | 4 20 | 3 50 | 14 38 | 4 35 | 3 28 |
| F 15 | 20 50 | 18 33 | 5 1 | 12 43 | 4 7 | 17 51 | 5 3 | 21 36 | 1 8 | 19 27 | 0 48 | 16 23 | 1 30 | 19 29 | 0 41 | 20 12 | 1 30 | 10 28 | 16 54 | 4 23 | 3 52 | 14 37 | 4 35 | 3 29 |
| S 16 | 20 38 | 18 22 | 4 43 | 12 40 | 4 16 | 17 57 | 5 1 | 21 28 | 1 8 | 19 29 | 0 48 | 16 25 | 1 31 | 19 29 | 0 41 | 20 12 | 1 30 | 10 27 | 16 54 | 4 27 | 3 53 | 14 36 | 4 35 | 3 29 |
| S 17 | 20 26 | 17 21 | 4 12 | 12 39 | 4 25 | 18 2 | 4 58 | 21 20 | 1 8 | 19 31 | 0 48 | 16 26 | 1 31 | 19 30 | 0 41 | 20 12 | 1 30 | 10 26 | 16 53 | 4 30 | 3 54 | 14 35 | 4 34 | 3 29 |
| M18 | 20 14 | 15 36 | 3 30 | 12 40 | 4 32 | 18 8 | 4 56 | 21 12 | 1 8 | 19 33 | 0 48 | 16 27 | 1 31 | 19 30 | 0 41 | 20 12 | 1 30 | 10 25 | 16 53 | 4 34 | 3 55 | 14 34 | 4 34 | 3 29 |
| T 19 | 20 2 | 13 12 | 2 40 | 12 44 | 4 38 | 18 14 | 4 53 | 21 4 | 1 8 | 19 36 | 0 48 | 16 29 | 1 31 | 19 31 | 0 41 | 20 12 | 1 30 | 10 24 | 16 52 | 4 36 | 3 57 | 14 33 | 4 34 | 3 29 |
| W20 | 19 49 | 10 15 | 1 42 | 12 50 | 4 43 | 18 20 | 4 50 | 20 55 | 1 8 | 19 38 | 0 48 | 16 30 | 1 31 | 19 32 | 0 41 | 20 12 | 1 29 | 10 23 | 16 52 | 4 38 | 3 58 | 14 32 | 4 34 | 3 29 |
| T 21 | 19 36 | 6 53 | 0 40 | 12 59 | 4 46 | 18 27 | 4 46 | 20 47 | 1 8 | 19 40 | 0 48 | 16 32 | 1 31 | 19 32 | 0 41 | 20 12 | 1 29 | 10 22 | 16 51 | 4 38 | 3 59 | 14 31 | 4 33 | 3 29 |
| F 22 | 19 22 | 3 13 | 0s25 | 13 10 | 4 47 | 18 33 | 4 43 | 20 38 | 1 8 | 19 42 | 0 48 | 16 33 | 1 31 | 19 33 | 0 41 | 20 12 | 1 29 | 10 22 | 16 51 | 4 38 | 4 0 | 14 29 | 4 33 | 3 29 |
| S 23 | 19 9 | 0n37 | 1 29 | 13 23 | 4 46 | 18 39 | 4 39 | 20 29 | 1 8 | 19 43 | 0 48 | 16 35 | 1 31 | 19 33 | 0 41 | 20 12 | 1 29 | 10 21 | 16 50 | 4 38 | 4 2 | 14 28 | 4 33 | 3 30 |
| S 24 | 18 55 | 4 30 | 2 31 | 13 38 | 4 44 | 18 45 | 4 36 | 20 20 | 1 9 | 19 45 | 0 48 | 16 36 | 1 32 | 19 34 | 0 41 | 20 12 | 1 29 | 10 20 | 16 50 | 4 38 | 4 3 | 14 27 | 4 32 | 3 30 |
| M25 | 18 40 | 8 15 | 3 26 | 13 55 | 4 40 | 18 51 | 4 32 | 20 10 | 1 9 | 19 47 | 0 48 | 16 38 | 1 32 | 19 35 | 0 41 | 20 12 | 1 29 | 10 19 | 16 49 | 4 37 | 4 4 | 14 26 | 4 32 | 3 30 |
| T 26 | 18 25 | 11 44 | 4 13 | 14 13 | 4 34 | 18 57 | 4 28 | 20 1 | 1 9 | 19 49 | 0 48 | 16 39 | 1 32 | 19 35 | 0 41 | 20 12 | 1 29 | 10 18 | 16 48 | 4 37 | 4 5 | 14 25 | 4 32 | 3 30 |
| W27 | 18 10 | 14 43 | 4 48 | 14 33 | 4 26 | 19 3 | 4 24 | 19 52 | 1 9 | 19 51 | 0 48 | 16 41 | 1 32 | 19 36 | 0 41 | 20 12 | 1 29 | 10 17 | 16 48 | 4 38 | 4 7 | 14 24 | 4 31 | 3 30 |
| T 28 | 17 55 | 16 59 | 5 8 | 14 53 | 4 16 | 19 9 | 4 20 | 19 42 | 1 9 | 19 53 | 0 48 | 16 42 | 1 32 | 19 36 | 0 41 | 20 12 | 1 29 | 10 16 | 16 47 | 4 39 | 4 8 | 14 23 | 4 31 | 3 30 |
| F 29 | 17 39 | 18 17 | 5 10 | 15 14 | 4 5 | 19 15 | 4 16 | 19 32 | 1 9 | 19 54 | 0 48 | 16 44 | 1 32 | 19 37 | 0 41 | 20 12 | 1 29 | 10 15 | 16 47 | 4 40 | 4 9 | 14 21 | 4 30 | 3 30 |
| S 30 | 17 23 | 18 25 | 4 51 | 15 36 | 3 52 | 19 20 | 4 11 | 19 22 | 1 9 | 19 56 | 0 48 | 16 45 | 1 32 | 19 38 | 0 41 | 20 11 | 1 29 | 10 14 | 16 46 | 4 42 | 4 10 | 14 20 | 4 30 | 3 30 |
| S 31 | 17n 7 | 17n17 | 4s12 | 15n58 | 3s38 | 19n26 | 4s 7 | 19n12 | 1n 9 | 19n58 | 0s49 | 16s47 | 1s32 | 19s38 | 0s41 | 20s11 | 1n29 | 10n13 | 16n46 | 4n45 | 4n12 | 14s19 | 4n29 | 3n30 |

Julian Day Number = 2083567.5, Delta T = 25m00s
Ecliptic obliquity = 23°34'01, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'54, Lahiri = 9°48'54 Julian Calendar 1 July 992 == Greg. Calendar 6 July 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## AUGUST 992 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 21 0 3 | 13♌32'45 | 9♌14 | 2°R57 | 28♊32 | 9♌41 | 2♊33 | 18°R35 | 5°R32 | 7°R21 | 13♎10 | 18°R 0 | 19♍24 | 11♒54 | 3°R10 | M 1 |
| T 2 | 21 3 59 | 14°30'36 | 24°28 | 2♌36 | 29°22 | 10°19 | 2°41 | 18♒30 | 5♒30 | 7♐20 | 13°12 | 17♍56 | 19°21 | 12° 0 | 3♈ 8 | T 2 |
| W 3 | 21 7 56 | 15°28'29 | 9♍32 | 2°21 | 0♋13 | 10°57 | 2°49 | 18°25 | 5°27 | 7°20 | 13°13 | 17°55 | 19°18 | 12° 7 | 3° 7 | W 3 |
| T 4 | 21 11 53 | 16°26'23 | 24°19 | 2°D14 | 1° 5 | 11°35 | 2°57 | 18°21 | 5°25 | 7°19 | 13°15 | 17°D55 | 19°15 | 12°14 | 3° 5 | T 4 |
| F 5 | 21 15 49 | 17°24'18 | 8♎41 | 2°15 | 1°57 | 12°13 | 3° 5 | 18°16 | 5°23 | 7°19 | 13°16 | 17°56 | 19°12 | 12°21 | 3° 3 | F 5 |
| S 6 | 21 19 46 | 18°22'14 | 22°38 | 2°23 | 2°50 | 12°52 | 3°13 | 18°12 | 5°20 | 7°19 | 13°18 | 17°57 | 19° 8 | 12°27 | 3° 2 | S 6 |
| S 7 | 21 23 42 | 19°20'12 | 6♏ 9 | 2°40 | 3°43 | 13°30 | 3°21 | 18° 7 | 5°18 | 7°19 | 13°19 | 17°58 | 19° 5 | 12°34 | 3° 0 | S 7 |
| M 8 | 21 27 39 | 20°18'11 | 19°15 | 3° 5 | 4°37 | 14° 8 | 3°28 | 18° 3 | 5°16 | 7°18 | 13°21 | 17°R59 | 19° 2 | 12°41 | 2°58 | M 8 |
| T 9 | 21 31 35 | 21°16'12 | 2♐ 0 | 3°37 | 5°32 | 14°46 | 3°36 | 17°58 | 5°14 | 7°18 | 13°23 | 17°59 | 18°59 | 12°47 | 2°56 | T 9 |
| W10 | 21 35 32 | 22°14'14 | 14°27 | 4°18 | 6°27 | 15°24 | 3°43 | 17°54 | 5°11 | 7°18 | 13°24 | 17°57 | 18°56 | 12°54 | 2°55 | W10 |
| T 11 | 21 39 28 | 23°12'17 | 26°40 | 5° 7 | 7°23 | 16° 3 | 3°50 | 17°49 | 5° 9 | 7°18 | 13°26 | 17°54 | 18°52 | 13° 1 | 2°53 | T 11 |
| F 12 | 21 43 25 | 24°10'22 | 8♑43 | 6° 2 | 8°19 | 16°41 | 3°57 | 17°45 | 5° 7 | 7°18 | 13°28 | 17°51 | 18°49 | 13° 7 | 2°51 | F 12 |
| S 13 | 21 47 22 | 25° 8'29 | 20°39 | 7° 5 | 9°16 | 17°19 | 4° 4 | 17°40 | 5° 5 | 7°18 | 13°29 | 17°47 | 18°46 | 13°14 | 2°49 | S 13 |
| S 14 | 21 51 18 | 26° 6'37 | 2♒30 | 8°15 | 10°13 | 17°57 | 4°10 | 17°36 | 5° 2 | 7°D18 | 13°31 | 17°43 | 18°43 | 13°21 | 2°47 | S 14 |
| M15 | 21 55 15 | 27° 4'47 | 14°20 | 9°31 | 11°11 | 18°35 | 4°17 | 17°31 | 5° 0 | 7°18 | 13°33 | 17°40 | 18°40 | 13°27 | 2°45 | M15 |
| T 16 | 21 59 11 | 28° 2'58 | 26°10 | 10°53 | 12° 9 | 19°14 | 4°23 | 17°27 | 4°58 | 7°18 | 13°35 | 17°38 | 18°37 | 13°34 | 2°42 | T 16 |
| W17 | 22 3 8 | 29° 1'11 | 8♓ 2 | 12°20 | 13° 7 | 19°52 | 4°29 | 17°22 | 4°56 | 7°18 | 13°37 | 17°37 | 18°33 | 13°41 | 2°40 | W17 |
| T 18 | 22 7 4 | 29°59'26 | 19°59 | 13°51 | 14° 6 | 20°30 | 4°35 | 17°18 | 4°54 | 7°18 | 13°39 | 17°D36 | 18°30 | 13°47 | 2°38 | T 18 |
| F 19 | 22 11 1 | 0♍57'43 | 2♈ 3 | 15°27 | 15° 6 | 21° 8 | 4°41 | 17°13 | 4°52 | 7°18 | 13°40 | 17°37 | 18°27 | 13°54 | 2°36 | F 19 |
| S 20 | 22 14 57 | 1°56'02 | 14°16 | 17° 7 | 16° 6 | 21°46 | 4°47 | 17° 9 | 4°50 | 7°18 | 13°42 | 17°38 | 18°24 | 14° 1 | 2°34 | S 20 |
| S 21 | 22 18 54 | 2°54'23 | 26°41 | 18°49 | 17° 6 | 22°25 | 4°52 | 17° 5 | 4°48 | 7°19 | 13°44 | 17°39 | 18°21 | 14° 7 | 2°32 | S 21 |
| M22 | 22 22 50 | 3°52'47 | 9♉21 | 20°35 | 18° 6 | 23° 3 | 4°57 | 17° 1 | 4°46 | 7°19 | 13°46 | 17°40 | 18°18 | 14°14 | 2°29 | M22 |
| T 23 | 22 26 47 | 4°51'12 | 22°19 | 22°22 | 19° 7 | 23°41 | 5° 3 | 16°56 | 4°44 | 7°19 | 13°48 | 17°41 | 18°14 | 14°21 | 2°27 | T 23 |
| W24 | 22 30 44 | 5°49'40 | 5♊38 | 24°11 | 20° 9 | 24°19 | 5° 8 | 16°52 | 4°42 | 7°19 | 13°50 | 17°R42 | 18°11 | 14°27 | 2°25 | W24 |
| T 25 | 22 34 40 | 6°48'10 | 19°19 | 26° 2 | 21°10 | 24°57 | 5°12 | 16°48 | 4°40 | 7°20 | 13°52 | 17°41 | 18° 8 | 14°34 | 2°22 | T 25 |
| F 26 | 22 38 37 | 7°46'42 | 3♋25 | 27°53 | 22°12 | 25°36 | 5°17 | 16°44 | 4°38 | 7°20 | 13°54 | 17°41 | 18° 5 | 14°41 | 2°20 | F 26 |
| S 27 | 22 42 33 | 8°45'16 | 17°52 | 29°45 | 23°15 | 26°14 | 5°22 | 16°40 | 4°36 | 7°21 | 13°56 | 17°40 | 18° 2 | 14°47 | 2°17 | S 27 |
| S 28 | 22 46 30 | 9°43'53 | 2♌39 | 1♍38 | 24°18 | 26°52 | 5°26 | 16°36 | 4°34 | 7°21 | 13°58 | 17°39 | 17°58 | 14°54 | 2°15 | S 28 |
| M29 | 22 50 26 | 10°42'32 | 17°39 | 3°30 | 25°21 | 27°30 | 5°30 | 16°32 | 4°32 | 7°22 | 14° 1 | 17°38 | 17°55 | 15° 1 | 2°13 | M29 |
| T 30 | 22 54 23 | 11°41'13 | 2♍43 | 5°23 | 26°24 | 28° 9 | 5°34 | 16°28 | 4°31 | 7°22 | 14° 3 | 17°37 | 17°52 | 15° 7 | 2°10 | T 30 |
| W31 | 22 58 19 | 12♍39'56 | 17♍44 | 7♍15 | 27♋27 | 28♌47 | 5♊38 | 16♒24 | 4♒29 | 7♐23 | 14♎ 5 | 17°D37 | 17♍49 | 15♒14 | 2♈ 7 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n51 | 14n54 | 3s16 | 16n19 | 3s23 | 19n31 | 4s 3 | 19n 2 | 1n 9 | 19n59 | 0s49 | 16s48 | 1s32 | 19s39 | 0s41 | 20s11 | 1n29 | 10n12 | 16n45 | 4n46 | 4n13 | 14s18 | 4n29 | 3n30 |
| T 2 | 16 34 | 11 29 | 2 5 | 16 39 | 3 6 | 19 36 | 3 58 | 18 52 | 1 9 | 20 1 | 0 49 | 16 50 | 1 33 | 19 39 | 0 41 | 20 11 | 1 29 | 10 11 | 16 45 | 4 48 | 4 14 | 14 17 | 4 28 | 3 31 |
| W 3 | 16 17 | 7 20 | 0 46 | 16 59 | 2 49 | 19 41 | 3 53 | 18 41 | 1 9 | 20 2 | 0 49 | 16 51 | 1 33 | 19 40 | 0 41 | 20 11 | 1 29 | 10 10 | 16 44 | 4 48 | 4 15 | 14 16 | 4 28 | 3 31 |
| T 4 | 16 0 | 2 48 | 0n35 | 17 18 | 2 32 | 19 45 | 3 49 | 18 31 | 1 9 | 20 4 | 0 49 | 16 53 | 1 33 | 19 41 | 0 41 | 20 11 | 1 29 | 10 9 | 16 44 | 4 48 | 4 17 | 14 14 | 4 27 | 3 31 |
| F 5 | 15 42 | 1s45 | 1 52 | 17 35 | 2 14 | 19 49 | 3 44 | 18 20 | 1 9 | 20 5 | 0 49 | 16 54 | 1 33 | 19 41 | 0 41 | 20 11 | 1 29 | 10 8 | 16 44 | 4 48 | 4 18 | 14 13 | 4 27 | 3 31 |
| S 6 | 15 24 | 6 5 | 2 59 | 17 51 | 1 56 | 19 53 | 3 39 | 18 9 | 1 9 | 20 7 | 0 49 | 16 56 | 1 33 | 19 42 | 0 41 | 20 11 | 1 29 | 10 7 | 16 43 | 4 47 | 4 19 | 14 12 | 4 26 | 3 31 |
| S 7 | 15 6 | 9 57 | 3 54 | 18 5 | 1 38 | 19 57 | 3 34 | 17 58 | 1 10 | 20 8 | 0 49 | 16 57 | 1 33 | 19 42 | 0 41 | 20 11 | 1 29 | 10 6 | 16 43 | 4 47 | 4 20 | 14 11 | 4 25 | 3 31 |
| M 8 | 14 48 | 13 12 | 4 36 | 18 16 | 1 20 | 20 0 | 3 29 | 17 47 | 1 10 | 20 10 | 0 49 | 16 59 | 1 33 | 19 43 | 0 41 | 20 11 | 1 28 | 10 5 | 16 42 | 4 46 | 4 22 | 14 10 | 4 25 | 3 31 |
| T 9 | 14 29 | 15 44 | 5 2 | 18 26 | 1 3 | 20 3 | 3 24 | 17 36 | 1 10 | 20 11 | 0 49 | 17 0 | 1 33 | 19 43 | 0 41 | 20 12 | 1 28 | 10 4 | 16 42 | 4 47 | 4 23 | 14 9 | 4 24 | 3 31 |
| W10 | 14 10 | 17 28 | 5 14 | 18 33 | 0 46 | 20 5 | 3 19 | 17 25 | 1 10 | 20 12 | 0 49 | 17 2 | 1 33 | 19 44 | 0 41 | 20 12 | 1 28 | 10 3 | 16 41 | 4 47 | 4 24 | 14 7 | 4 23 | 3 31 |
| T 11 | 13 51 | 18 21 | 5 11 | 18 37 | 0 29 | 20 7 | 3 14 | 17 13 | 1 10 | 20 14 | 0 49 | 17 3 | 1 33 | 19 44 | 0 41 | 20 12 | 1 28 | 10 2 | 16 41 | 4 48 | 4 25 | 14 6 | 4 23 | 3 31 |
| F 12 | 13 32 | 18 24 | 4 54 | 18 39 | 0 14 | 20 9 | 3 9 | 17 2 | 1 10 | 20 15 | 0 49 | 17 5 | 1 33 | 19 45 | 0 41 | 20 12 | 1 28 | 10 1 | 16 40 | 4 50 | 4 27 | 14 5 | 4 22 | 3 31 |
| S 13 | 13 13 | 17 37 | 4 24 | 18 37 | 0n 1 | 20 11 | 3 4 | 16 50 | 1 10 | 20 16 | 0 49 | 17 6 | 1 33 | 19 46 | 0 41 | 20 12 | 1 28 | 10 0 | 16 40 | 4 51 | 4 28 | 14 4 | 4 21 | 3 31 |
| S 14 | 12 53 | 16 4 | 3 44 | 18 33 | 0 16 | 20 12 | 2 59 | 16 38 | 1 10 | 20 17 | 0 49 | 17 7 | 1 33 | 19 46 | 0 41 | 20 12 | 1 28 | 9 58 | 16 40 | 4 53 | 4 29 | 14 3 | 4 20 | 3 31 |
| M15 | 12 33 | 13 51 | 2 54 | 18 26 | 0 29 | 20 12 | 2 54 | 16 26 | 1 10 | 20 18 | 0 49 | 17 9 | 1 33 | 19 47 | 0 41 | 20 12 | 1 28 | 9 57 | 16 39 | 4 54 | 4 30 | 14 1 | 4 20 | 3 31 |
| T 16 | 12 13 | 11 3 | 1 56 | 18 15 | 0 41 | 20 12 | 2 49 | 16 15 | 1 10 | 20 20 | 0 49 | 17 10 | 1 33 | 19 47 | 0 41 | 20 12 | 1 28 | 9 56 | 16 39 | 4 55 | 4 32 | 14 0 | 4 19 | 3 32 |
| W17 | 11 53 | 7 47 | 0 53 | 18 2 | 0 52 | 20 12 | 2 44 | 16 2 | 1 10 | 20 21 | 0 49 | 17 12 | 1 34 | 19 48 | 0 41 | 20 12 | 1 28 | 9 55 | 16 38 | 4 55 | 4 33 | 13 59 | 4 18 | 3 32 |
| T 18 | 11 32 | 4 11 | 0s13 | 17 45 | 1 2 | 20 11 | 2 38 | 15 50 | 1 10 | 20 22 | 0 49 | 17 13 | 1 34 | 19 48 | 0 41 | 20 12 | 1 28 | 9 54 | 16 38 | 4 55 | 4 34 | 13 58 | 4 17 | 3 32 |
| F 19 | 11 11 | 0 23 | 1 19 | 17 26 | 1 12 | 20 10 | 2 33 | 15 38 | 1 10 | 20 23 | 0 49 | 17 14 | 1 34 | 19 49 | 0 41 | 20 12 | 1 28 | 9 53 | 16 38 | 4 55 | 4 35 | 13 57 | 4 16 | 3 32 |
| S 20 | 10 51 | 3n28 | 2 22 | 17 3 | 1 20 | 20 9 | 2 28 | 15 26 | 1 10 | 20 24 | 0 49 | 17 16 | 1 34 | 19 49 | 0 41 | 20 12 | 1 28 | 9 52 | 16 37 | 4 55 | 4 37 | 13 55 | 4 16 | 3 32 |
| S 21 | 10 30 | 7 14 | 3 20 | 16 38 | 1 27 | 20 6 | 2 23 | 15 13 | 1 10 | 20 25 | 0 50 | 17 17 | 1 34 | 19 50 | 0 41 | 20 12 | 1 28 | 9 51 | 16 37 | 4 54 | 4 38 | 13 54 | 4 15 | 3 32 |
| M22 | 10 8 | 10 45 | 4 9 | 16 10 | 1 33 | 20 4 | 2 18 | 15 1 | 1 10 | 20 26 | 0 50 | 17 18 | 1 34 | 19 50 | 0 41 | 20 12 | 1 28 | 9 50 | 16 36 | 4 54 | 4 39 | 13 53 | 4 14 | 3 32 |
| T 23 | 9 47 | 13 49 | 4 47 | 15 40 | 1 38 | 20 1 | 2 12 | 14 48 | 1 10 | 20 26 | 0 50 | 17 20 | 1 34 | 19 50 | 0 41 | 20 12 | 1 28 | 9 49 | 16 36 | 4 53 | 4 40 | 13 52 | 4 13 | 3 32 |
| W24 | 9 25 | 16 16 | 5 10 | 15 8 | 1 42 | 19 57 | 2 7 | 14 35 | 1 10 | 20 27 | 0 50 | 17 21 | 1 34 | 19 51 | 0 41 | 20 13 | 1 28 | 9 48 | 16 36 | 4 53 | 4 42 | 13 51 | 4 12 | 3 32 |
| T 25 | 9 4 | 17 52 | 5 17 | 14 33 | 1 45 | 19 53 | 2 2 | 14 22 | 1 10 | 20 28 | 0 50 | 17 22 | 1 34 | 19 51 | 0 41 | 20 13 | 1 28 | 9 47 | 16 35 | 4 53 | 4 43 | 13 49 | 4 11 | 3 32 |
| F 26 | 8 42 | 18 26 | 5 5 | 13 57 | 1 47 | 19 48 | 1 57 | 14 9 | 1 10 | 20 29 | 0 50 | 17 24 | 1 34 | 19 52 | 0 41 | 20 13 | 1 27 | 9 46 | 16 35 | 4 54 | 4 44 | 13 48 | 4 10 | 3 32 |
| S 27 | 8 20 | 17 50 | 4 34 | 13 19 | 1 49 | 19 43 | 1 51 | 13 56 | 1 10 | 20 30 | 0 50 | 17 25 | 1 34 | 19 52 | 0 41 | 20 13 | 1 27 | 9 45 | 16 35 | 4 54 | 4 45 | 13 47 | 4 9 | 3 32 |
| S 28 | 7 58 | 16 1 | 3 45 | 12 39 | 1 50 | 19 38 | 1 46 | 13 43 | 1 10 | 20 30 | 0 50 | 17 26 | 1 34 | 19 53 | 0 41 | 20 13 | 1 27 | 9 43 | 16 34 | 4 54 | 4 47 | 13 46 | 4 8 | 3 32 |
| M29 | 7 35 | 13 6 | 2 39 | 11 58 | 1 50 | 19 32 | 1 41 | 13 30 | 1 10 | 20 31 | 0 50 | 17 27 | 1 34 | 19 53 | 0 41 | 20 13 | 1 27 | 9 42 | 16 34 | 4 55 | 4 48 | 13 44 | 4 7 | 3 32 |
| T 30 | 7 13 | 9 17 | 1 22 | 11 16 | 1 49 | 19 25 | 1 36 | 13 17 | 1 10 | 20 32 | 0 50 | 17 29 | 1 34 | 19 54 | 0 41 | 20 13 | 1 27 | 9 41 | 16 34 | 4 55 | 4 49 | 13 43 | 4 6 | 3 32 |
| W31 | 6n51 | 4n53 | 0n 1 | 10n33 | 1n48 | 19n18 | 1s31 | 13n 3 | 1n10 | 20n32 | 0s50 | 17s30 | 1s34 | 19s54 | 0s41 | 20s13 | 1n27 | 9n40 | 16n33 | 4n55 | 4n50 | 13s42 | 4n 5 | 3n32 |

Julian Day Number = 2083598.5, Delta T = 25m00s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°41'58, Lahiri = 9°48'58 Julian Calendar 1 Aug. 992 == Greg. Calendar 6 Aug. 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## SEPTEMBER 992 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 2 16 | 13♍38'40 | 2♎32 | 9♍ 7 | 28♋31 | 29♌25 | 5♊41 | 16°R20 | 4°R27 | 7♐23 | 14♎ 7 | 17♍37 | 17♍46 | 15♒21 | 2°R 5 | T 1 |
| F 2 | 23 6 13 | 14°37'27 | 17° 1 | 10°58 | 29°36 | 0♍ 3 | 5°45 | 16♒17 | 4♒26 | 7°24 | 14° 9 | 17°38 | 17°43 | 15°27 | 2♈ 2 | F 2 |
| S 3 | 23 10 9 | 15°36'16 | 1♏ 5 | 12°48 | 0♌40 | 0°42 | 5°48 | 16°13 | 4°24 | 7°24 | 14°11 | 17°38 | 17°39 | 15°34 | 2° 0 | S 3 |
| S 4 | 23 14 6 | 16°35'06 | 14°44 | 14°38 | 1°45 | 1°20 | 5°51 | 16° 9 | 4°22 | 7°25 | 14°13 | 17°38 | 17°36 | 15°41 | 1°57 | S 4 |
| M 5 | 23 18 2 | 17°33'59 | 27°56 | 16°27 | 2°50 | 1°58 | 5°54 | 16° 6 | 4°21 | 7°26 | 14°16 | 17°R38 | 17°33 | 15°47 | 1°55 | M 5 |
| T 6 | 23 21 59 | 18°32'53 | 10♐45 | 18°16 | 3°55 | 2°36 | 5°56 | 16° 2 | 4°19 | 7°27 | 14°18 | 17°38 | 17°30 | 15°54 | 1°52 | T 6 |
| W 7 | 23 25 55 | 19°31'49 | 23°13 | 20° 3 | 5° 0 | 3°15 | 5°59 | 15°59 | 4°18 | 7°27 | 14°20 | 17°D38 | 17°27 | 16° 1 | 1°49 | W 7 |
| T 8 | 23 29 52 | 20°30'47 | 5♑25 | 21°50 | 6° 6 | 3°53 | 6° 1 | 15°55 | 4°16 | 7°28 | 14°22 | 17°38 | 17°23 | 16° 7 | 1°47 | T 8 |
| F 9 | 23 33 48 | 21°29'46 | 17°25 | 23°36 | 7°12 | 4°31 | 6° 3 | 15°52 | 4°15 | 7°29 | 14°25 | 17°38 | 17°20 | 16°14 | 1°44 | F 9 |
| S 10 | 23 37 45 | 22°28'48 | 29°18 | 25°20 | 8°18 | 5° 9 | 6° 5 | 15°49 | 4°14 | 7°30 | 14°27 | 17°39 | 17°17 | 16°21 | 1°41 | S 10 |
| S 11 | 23 41 42 | 23°27'51 | 11♒ 7 | 27° 4 | 9°25 | 5°48 | 6° 7 | 15°46 | 4°12 | 7°31 | 14°29 | 17°40 | 17°14 | 16°27 | 1°39 | S 11 |
| M12 | 23 45 38 | 24°26'56 | 22°57 | 28°48 | 10°31 | 6°26 | 6° 8 | 15°43 | 4°11 | 7°32 | 14°31 | 17°40 | 17°11 | 16°34 | 1°36 | M12 |
| T 13 | 23 49 35 | 25°26'03 | 4♓50 | 0♎30 | 11°38 | 7° 4 | 6° 9 | 15°40 | 4°10 | 7°33 | 14°34 | 17°41 | 17° 8 | 16°41 | 1°33 | T 13 |
| W14 | 23 53 31 | 26°25'12 | 16°49 | 2°11 | 12°45 | 7°43 | 6°10 | 15°37 | 4° 9 | 7°34 | 14°36 | 17°R41 | 17° 4 | 16°47 | 1°31 | W14 |
| T 15 | 23 57 28 | 27°24'23 | 28°57 | 3°52 | 13°52 | 8°21 | 6°11 | 15°34 | 4° 8 | 7°35 | 14°38 | 17°41 | 17° 1 | 16°54 | 1°28 | T 15 |
| F 16 | 0 1 24 | 28°23'36 | 11♈14 | 5°32 | 15° 0 | 8°59 | 6°12 | 15°31 | 4° 6 | 7°36 | 14°41 | 17°40 | 16°58 | 17° 1 | 1°25 | F 16 |
| S 17 | 0 5 21 | 29°22'52 | 23°43 | 7°11 | 16° 8 | 9°38 | 6°13 | 15°29 | 4° 5 | 7°37 | 14°43 | 17°39 | 16°55 | 17° 7 | 1°22 | S 17 |
| S 18 | 0 9 17 | 0♎22'09 | 6♉24 | 8°49 | 17°16 | 10°16 | 6°13 | 15°26 | 4° 4 | 7°38 | 14°45 | 17°37 | 16°52 | 17°14 | 1°20 | S 18 |
| M19 | 0 13 14 | 1°21'29 | 19°18 | 10°27 | 18°24 | 10°54 | 6°R13 | 15°24 | 4° 3 | 7°39 | 14°48 | 17°35 | 16°49 | 17°21 | 1°17 | M19 |
| T 20 | 0 17 10 | 2°20'51 | 2♊27 | 12° 3 | 19°32 | 11°33 | 6°13 | 15°21 | 4° 2 | 7°40 | 14°50 | 17°33 | 16°45 | 17°27 | 1°14 | T 20 |
| W21 | 0 21 7 | 3°20'16 | 15°52 | 13°39 | 20°40 | 12°11 | 6°12 | 15°19 | 4° 2 | 7°41 | 14°53 | 17°32 | 16°42 | 17°34 | 1°12 | W21 |
| T 22 | 0 25 4 | 4°19'43 | 29°32 | 15°15 | 21°49 | 12°49 | 6°12 | 15°17 | 4° 1 | 7°43 | 14°55 | 17°D31 | 16°39 | 17°41 | 1° 9 | T 22 |
| F 23 | 0 29 0 | 5°19'12 | 13♋28 | 16°49 | 22°58 | 13°28 | 6°11 | 15°15 | 4° 0 | 7°44 | 14°57 | 17°31 | 16°36 | 17°47 | 1° 6 | F 23 |
| S 24 | 0 32 57 | 6°18'44 | 27°39 | 18°23 | 24° 7 | 14° 6 | 6°10 | 15°13 | 3°59 | 7°45 | 15° 0 | 17°32 | 16°33 | 17°54 | 1° 3 | S 24 |
| S 25 | 0 36 53 | 7°18'18 | 12♌ 5 | 19°57 | 25°16 | 14°44 | 6° 9 | 15°11 | 3°59 | 7°46 | 15° 2 | 17°34 | 16°29 | 18° 1 | 1° 1 | S 25 |
| M26 | 0 40 50 | 8°17'55 | 26°41 | 21°29 | 26°25 | 15°23 | 6° 8 | 15° 9 | 3°58 | 7°48 | 15° 5 | 17°35 | 16°26 | 18° 7 | 0°58 | M26 |
| T 27 | 0 44 46 | 9°17'33 | 11♍22 | 23° 1 | 27°35 | 16° 1 | 6° 6 | 15° 7 | 3°57 | 7°49 | 15° 7 | 17°R36 | 16°23 | 18°14 | 0°55 | T 27 |
| W28 | 0 48 43 | 10°17'14 | 26° 4 | 24°33 | 28°45 | 16°40 | 6° 5 | 15° 6 | 3°57 | 7°50 | 15° 9 | 17°36 | 16°20 | 18°21 | 0°53 | W28 |
| T 29 | 0 52 39 | 11°16'57 | 10♎39 | 26° 3 | 29°54 | 17°18 | 6° 3 | 15° 4 | 3°56 | 7°52 | 15°12 | 17°34 | 16°17 | 18°27 | 0°50 | T 29 |
| F 30 | 0 56 36 | 12♎16'42 | 25♎ 1 | 27♎33 | 1♍ 4 | 17♍57 | 6♊ 1 | 15♒ 3 | 3♒56 | 7♐53 | 15♎14 | 17♍32 | 16♍14 | 18♒34 | 0♈47 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n28 | 0n14 | 1n22 | 9n50 | 1n46 | 19n10 | 1s26 | 12n50 | 1n10 | 20n33 | 0s50 | 17s31 | 1s34 | 19s54 | 0s41 | 20s14 | 1n27 | 9n39 | 16n33 | 4n55 | 4n52 | 13s41 | 4n 4 | 3n32 |
| F 2 | 6 5 | 4s19 | 2 36 | 9 5 | 1 43 | 19 2 | 1 21 | 12 36 | 1 10 | 20 33 | 0 50 | 17 32 | 1 34 | 19 55 | 0 40 | 20 14 | 1 27 | 9 38 | 16 33 | 4 55 | 4 53 | 13 40 | 4 3 | 3 32 |
| S 3 | 5 42 | 8 30 | 3 39 | 8 20 | 1 40 | 18 53 | 1 15 | 12 22 | 1 10 | 20 34 | 0 50 | 17 33 | 1 34 | 19 55 | 0 40 | 20 14 | 1 27 | 9 37 | 16 33 | 4 55 | 4 54 | 13 38 | 4 2 | 3 32 |
| S 4 | 5 19 | 12 5 | 4 27 | 7 34 | 1 37 | 18 44 | 1 10 | 12 9 | 1 10 | 20 34 | 0 50 | 17 34 | 1 34 | 19 55 | 0 40 | 20 14 | 1 27 | 9 36 | 16 32 | 4 55 | 4 55 | 13 37 | 4 1 | 3 32 |
| M 5 | 4 56 | 14 57 | 4 59 | 6 48 | 1 33 | 18 34 | 1 5 | 11 55 | 1 10 | 20 35 | 0 50 | 17 35 | 1 34 | 19 56 | 0 40 | 20 14 | 1 27 | 9 35 | 16 32 | 4 55 | 4 57 | 13 36 | 4 0 | 3 32 |
| T 6 | 4 33 | 16 58 | 5 16 | 6 2 | 1 29 | 18 24 | 1 1 | 11 41 | 1 10 | 20 35 | 0 50 | 17 36 | 1 34 | 19 56 | 0 40 | 20 14 | 1 27 | 9 34 | 16 32 | 4 55 | 4 58 | 13 35 | 3 59 | 3 32 |
| W 7 | 4 10 | 18 8 | 5 16 | 5 15 | 1 24 | 18 13 | 0 56 | 11 27 | 1 10 | 20 36 | 0 50 | 17 37 | 1 34 | 19 56 | 0 40 | 20 15 | 1 27 | 9 33 | 16 32 | 4 55 | 4 59 | 13 33 | 3 58 | 3 32 |
| T 8 | 3 47 | 18 25 | 5 3 | 4 29 | 1 20 | 18 2 | 0 51 | 11 13 | 1 10 | 20 36 | 0 50 | 17 38 | 1 34 | 19 57 | 0 40 | 20 15 | 1 27 | 9 32 | 16 31 | 4 55 | 5 0 | 13 32 | 3 57 | 3 32 |
| F 9 | 3 23 | 17 52 | 4 36 | 3 42 | 1 15 | 17 50 | 0 46 | 10 59 | 1 10 | 20 36 | 0 51 | 17 39 | 1 34 | 19 57 | 0 40 | 20 15 | 1 27 | 9 31 | 16 31 | 4 55 | 5 2 | 13 31 | 3 56 | 3 32 |
| S 10 | 3 0 | 16 32 | 3 58 | 2 55 | 1 9 | 17 37 | 0 41 | 10 45 | 1 10 | 20 36 | 0 51 | 17 40 | 1 34 | 19 57 | 0 40 | 20 15 | 1 27 | 9 30 | 16 31 | 4 54 | 5 3 | 13 30 | 3 55 | 3 32 |
| S 11 | 2 37 | 14 29 | 3 10 | 2 8 | 1 4 | 17 25 | 0 36 | 10 31 | 1 10 | 20 37 | 0 51 | 17 41 | 1 34 | 19 58 | 0 40 | 20 15 | 1 27 | 9 29 | 16 31 | 4 54 | 5 4 | 13 28 | 3 54 | 3 32 |
| M12 | 2 13 | 11 51 | 2 13 | 1 22 | 0 58 | 17 11 | 0 32 | 10 17 | 1 10 | 20 37 | 0 51 | 17 42 | 1 34 | 19 58 | 0 40 | 20 16 | 1 27 | 9 27 | 16 31 | 4 54 | 5 5 | 13 27 | 3 53 | 3 32 |
| T 13 | 1 49 | 8 42 | 1 11 | 0 35 | 0 52 | 16 57 | 0 27 | 10 2 | 1 10 | 20 37 | 0 51 | 17 43 | 1 34 | 19 58 | 0 40 | 20 16 | 1 26 | 9 26 | 16 30 | 4 54 | 5 7 | 13 26 | 3 51 | 3 32 |
| W14 | 1 26 | 5 9 | 0 5 | 0s11 | 0 46 | 16 43 | 0 22 | 9 48 | 1 9 | 20 37 | 0 51 | 17 44 | 1 33 | 19 59 | 0 40 | 20 16 | 1 26 | 9 25 | 16 30 | 4 54 | 5 8 | 13 25 | 3 50 | 3 32 |
| T 15 | 1 2 | 1 22 | 1s 2 | 0 57 | 0 39 | 16 28 | 0 18 | 9 33 | 1 9 | 20 37 | 0 51 | 17 44 | 1 33 | 19 59 | 0 40 | 20 16 | 1 26 | 9 24 | 16 30 | 4 54 | 5 9 | 13 23 | 3 49 | 3 32 |
| F 16 | 0 39 | 2n31 | 2 7 | 1 42 | 0 33 | 16 13 | 0 13 | 9 19 | 1 9 | 20 37 | 0 51 | 17 45 | 1 33 | 19 59 | 0 40 | 20 16 | 1 26 | 9 23 | 16 30 | 4 54 | 5 10 | 13 22 | 3 48 | 3 32 |
| S 17 | 0 15 | 6 22 | 3 7 | 2 28 | 0 26 | 15 57 | 0 9 | 9 4 | 1 9 | 20 37 | 0 51 | 17 46 | 1 33 | 19 59 | 0 40 | 20 17 | 1 26 | 9 22 | 16 30 | 4 54 | 5 12 | 13 21 | 3 47 | 3 32 |
| S 18 | 0s 9 | 9 58 | 3 58 | 3 13 | 0 20 | 15 40 | 0 5 | 8 50 | 1 9 | 20 37 | 0 51 | 17 47 | 1 33 | 19 59 | 0 40 | 20 17 | 1 26 | 9 21 | 16 29 | 4 55 | 5 13 | 13 19 | 3 46 | 3 32 |
| M19 | 0 33 | 13 10 | 4 39 | 3 58 | 0 13 | 15 23 | 0 0 | 8 35 | 1 9 | 20 37 | 0 51 | 17 47 | 1 33 | 20 0 | 0 40 | 20 17 | 1 26 | 9 20 | 16 29 | 4 56 | 5 14 | 13 18 | 3 45 | 3 32 |
| T 20 | 0 56 | 15 46 | 5 5 | 4 42 | 0 6 | 15 6 | 0n 4 | 8 20 | 1 9 | 20 37 | 0 51 | 17 48 | 1 33 | 20 0 | 0 40 | 20 17 | 1 26 | 9 19 | 16 29 | 4 57 | 5 15 | 13 17 | 3 44 | 3 31 |
| W21 | 1 20 | 17 34 | 5 16 | 5 26 | 0s 1 | 14 48 | 0 8 | 8 5 | 1 9 | 20 37 | 0 51 | 17 49 | 1 33 | 20 0 | 0 40 | 20 18 | 1 26 | 9 18 | 16 29 | 4 57 | 5 17 | 13 16 | 3 42 | 3 31 |
| T 22 | 1 44 | 18 25 | 5 9 | 6 9 | 0 8 | 14 30 | 0 12 | 7 51 | 1 9 | 20 37 | 0 51 | 17 49 | 1 33 | 20 0 | 0 40 | 20 18 | 1 26 | 9 17 | 16 29 | 4 57 | 5 18 | 13 14 | 3 41 | 3 31 |
| F 23 | 2 7 | 18 10 | 4 45 | 6 52 | 0 15 | 14 11 | 0 16 | 7 36 | 1 9 | 20 37 | 0 51 | 17 50 | 1 33 | 20 0 | 0 40 | 20 18 | 1 26 | 9 16 | 16 29 | 4 57 | 5 19 | 13 13 | 3 40 | 3 31 |
| S 24 | 2 31 | 16 47 | 4 2 | 7 35 | 0 22 | 13 52 | 0 20 | 7 21 | 1 9 | 20 37 | 0 51 | 17 50 | 1 33 | 20 1 | 0 40 | 20 18 | 1 26 | 9 15 | 16 29 | 4 57 | 5 20 | 13 12 | 3 39 | 3 31 |
| S 25 | 2 55 | 14 19 | 3 4 | 8 17 | 0 28 | 13 33 | 0 24 | 7 6 | 1 9 | 20 37 | 0 51 | 17 51 | 1 33 | 20 1 | 0 40 | 20 19 | 1 26 | 9 14 | 16 29 | 4 56 | 5 22 | 13 10 | 3 38 | 3 31 |
| M26 | 3 18 | 10 55 | 1 53 | 8 58 | 0 35 | 13 13 | 0 28 | 6 51 | 1 9 | 20 36 | 0 51 | 17 51 | 1 33 | 20 1 | 0 40 | 20 19 | 1 26 | 9 13 | 16 29 | 4 56 | 5 23 | 13 9 | 3 37 | 3 31 |
| T 27 | 3 42 | 6 49 | 0 34 | 9 39 | 0 42 | 12 52 | 0 32 | 6 36 | 1 9 | 20 36 | 0 51 | 17 52 | 1 33 | 20 1 | 0 40 | 20 19 | 1 26 | 9 12 | 16 29 | 4 56 | 5 24 | 13 8 | 3 35 | 3 31 |
| W28 | 4 6 | 2 17 | 0n47 | 10 19 | 0 49 | 12 32 | 0 35 | 6 21 | 1 8 | 20 36 | 0 51 | 17 52 | 1 33 | 20 1 | 0 40 | 20 19 | 1 26 | 9 11 | 16 28 | 4 56 | 5 25 | 13 7 | 3 34 | 3 31 |
| T 29 | 4 29 | 2s21 | 2 4 | 10 59 | 0 56 | 12 10 | 0 39 | 6 5 | 1 8 | 20 35 | 0 51 | 17 53 | 1 33 | 20 1 | 0 40 | 20 20 | 1 26 | 9 10 | 16 28 | 4 56 | 5 27 | 13 5 | 3 33 | 3 31 |
| F 30 | 4s53 | 6s46 | 3n12 | 11s38 | 1s 3 | 11n49 | 0n42 | 5n50 | 1n 8 | 20n35 | 0s51 | 17s53 | 1s33 | 20s 1 | 0s40 | 20s20 | 1n26 | 9n 9 | 16n28 | 4n57 | 5n28 | 13s 4 | 3n32 | 3n31 |

Julian Day Number = 2083629.5, Delta T = 24m59s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'02, Lahiri = 9°49'03 Julian Calendar 1 Sept. 992 == Greg. Calendar 6 Sept. 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## OCTOBER 992 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 1 0 33 | 13♎16'29 | 9♏ 4 | 29♎ 3 | 2♍14 | 18♍35 | 5°R58 | 15°R 1 | 3°R56 | 7♐55 | 15♎17 | 17°R28 | 16♍10 | 18♒41 | 0°R45 | S 1 |
| S 2 | 1 4 29 | 14°16'18 | 22°44 | 0♏32 | 3°25 | 19°13 | 5♊56 | 15♒ 0 | 3♒55 | 7°56 | 15°19 | 17♍24 | 16° 7 | 18°47 | 0♈42 | S 2 |
| M 3 | 1 8 26 | 15°16'09 | 6♐ 1 | 2° 0 | 4°35 | 19°52 | 5°53 | 14°59 | 3°55 | 7°58 | 15°21 | 17°20 | 16° 4 | 18°54 | 0°39 | M 3 |
| T 4 | 1 12 22 | 16°16'02 | 18°53 | 3°28 | 5°45 | 20°30 | 5°50 | 14°58 | 3°55 | 7°59 | 15°24 | 17°16 | 16° 1 | 19° 0 | 0°37 | T 4 |
| W 5 | 1 16 19 | 17°15'56 | 1♑25 | 4°54 | 6°56 | 21° 9 | 5°47 | 14°57 | 3°54 | 8° 1 | 15°26 | 17°14 | 15°58 | 19° 7 | 0°34 | W 5 |
| T 6 | 1 20 15 | 18°15'52 | 13°38 | 6°21 | 8° 7 | 21°47 | 5°44 | 14°56 | 3°54 | 8° 3 | 15°29 | 17°D12 | 15°54 | 19°14 | 0°32 | T 6 |
| F 7 | 1 24 12 | 19°15'50 | 25°38 | 7°46 | 9°18 | 22°26 | 5°40 | 14°55 | 3°54 | 8° 4 | 15°31 | 17°13 | 15°51 | 19°20 | 0°29 | F 7 |
| S 8 | 1 28 8 | 20°15'50 | 7♒30 | 9°11 | 10°29 | 23° 4 | 5°36 | 14°55 | 3°D54 | 8° 6 | 15°34 | 17°14 | 15°48 | 19°27 | 0°27 | S 8 |
| S 9 | 1 32 5 | 21°15'51 | 19°19 | 10°35 | 11°40 | 23°43 | 5°33 | 14°54 | 3°54 | 8° 8 | 15°36 | 17°16 | 15°45 | 19°34 | 0°24 | S 9 |
| M10 | 1 36 2 | 22°15'54 | 1♓10 | 11°58 | 12°51 | 24°21 | 5°29 | 14°54 | 3°54 | 8° 9 | 15°38 | 17°17 | 15°42 | 19°40 | 0°22 | M10 |
| T 11 | 1 39 58 | 23°15'58 | 13° 6 | 13°20 | 14° 3 | 25° 0 | 5°24 | 14°53 | 3°54 | 8°11 | 15°41 | 17°R18 | 15°39 | 19°47 | 0°19 | T 11 |
| W12 | 1 43 55 | 24°16'04 | 25°12 | 14°41 | 15°14 | 25°38 | 5°20 | 14°53 | 3°55 | 8°13 | 15°43 | 17°18 | 15°35 | 19°54 | 0°17 | W12 |
| T 13 | 1 47 51 | 25°16'12 | 7♈31 | 16° 2 | 16°26 | 26°17 | 5°15 | 14°53 | 3°55 | 8°14 | 15°46 | 17°16 | 15°32 | 20° 0 | 0°14 | T 13 |
| F 14 | 1 51 48 | 26°16'22 | 20° 4 | 17°21 | 17°37 | 26°55 | 5°10 | 14°D53 | 3°55 | 8°16 | 15°48 | 17°12 | 15°29 | 20° 7 | 0°12 | F 14 |
| S 15 | 1 55 44 | 27°16'34 | 2♉53 | 18°39 | 18°49 | 27°34 | 5° 6 | 14°53 | 3°55 | 8°18 | 15°50 | 17° 7 | 15°26 | 20°14 | 0°10 | S 15 |
| S 16 | 1 59 41 | 28°16'47 | 15°57 | 19°55 | 20° 1 | 28°12 | 5° 0 | 14°53 | 3°56 | 8°20 | 15°53 | 17° 0 | 15°23 | 20°20 | 0° 7 | S 16 |
| M17 | 2 3 37 | 29°17'03 | 29°15 | 21°10 | 21°13 | 28°51 | 4°55 | 14°54 | 3°56 | 8°22 | 15°55 | 16°52 | 15°20 | 20°27 | 0° 5 | M17 |
| T 18 | 2 7 34 | 0♏17'20 | 12♊45 | 22°24 | 22°25 | 29°29 | 4°50 | 14°54 | 3°57 | 8°24 | 15°57 | 16°45 | 15°16 | 20°34 | 0° 3 | T 18 |
| W19 | 2 11 30 | 1°17'40 | 26°26 | 23°35 | 23°38 | 0♎ 8 | 4°44 | 14°54 | 3°57 | 8°25 | 16° 0 | 16°39 | 15°13 | 20°40 | 0° 0 | W19 |
| T 20 | 2 15 27 | 2°18'01 | 10♋17 | 24°45 | 24°50 | 0°47 | 4°38 | 14°55 | 3°58 | 8°27 | 16° 2 | 16°35 | 15°10 | 20°47 | 29♓58 | T 20 |
| F 21 | 2 19 24 | 3°18'24 | 24°14 | 25°52 | 26° 2 | 1°25 | 4°32 | 14°56 | 3°58 | 8°29 | 16° 5 | 16°33 | 15° 7 | 20°54 | 29°56 | F 21 |
| S 22 | 2 23 20 | 4°18'50 | 8♌18 | 26°57 | 27°15 | 2° 4 | 4°26 | 14°57 | 3°59 | 8°31 | 16° 7 | 16°D32 | 15° 4 | 21° 0 | 29°54 | S 22 |
| S 23 | 2 27 17 | 5°19'17 | 22°27 | 27°58 | 28°27 | 2°42 | 4°20 | 14°58 | 4° 0 | 8°33 | 16° 9 | 16°33 | 15° 0 | 21° 7 | 29°52 | S 23 |
| M24 | 2 31 13 | 6°19'47 | 6♍41 | 28°57 | 29°40 | 3°21 | 4°14 | 14°59 | 4° 1 | 8°35 | 16°12 | 16°34 | 14°57 | 21°14 | 29°50 | M24 |
| T 25 | 2 35 10 | 7°20'18 | 20°56 | 29°51 | 0♎53 | 4° 0 | 4° 7 | 15° 0 | 4° 1 | 8°37 | 16°14 | 16°R35 | 14°54 | 21°20 | 29°48 | T 25 |
| W26 | 2 39 6 | 8°20'51 | 5♎10 | 0♐42 | 2° 6 | 4°38 | 4° 1 | 15° 1 | 4° 2 | 8°39 | 16°16 | 16°33 | 14°51 | 21°27 | 29°46 | W26 |
| T 27 | 2 43 3 | 9°21'26 | 19°20 | 1°28 | 3°19 | 5°17 | 3°54 | 15° 2 | 4° 3 | 8°41 | 16°18 | 16°29 | 14°48 | 21°34 | 29°44 | T 27 |
| F 28 | 2 46 59 | 10°22'02 | 3♏21 | 2° 8 | 4°32 | 5°56 | 3°47 | 15° 4 | 4° 4 | 8°43 | 16°21 | 16°23 | 14°45 | 21°40 | 29°42 | F 28 |
| S 29 | 2 50 56 | 11°22'40 | 17° 9 | 2°43 | 5°45 | 6°34 | 3°40 | 15° 5 | 4° 5 | 8°45 | 16°23 | 16°14 | 14°41 | 21°47 | 29°40 | S 29 |
| S 30 | 2 54 53 | 12°23'20 | 0♐41 | 3°11 | 6°58 | 7°13 | 3°33 | 15° 7 | 4° 6 | 8°47 | 16°25 | 16° 4 | 14°38 | 21°54 | 29°38 | S 30 |
| M31 | 2 58 49 | 13♏24'01 | 13♐52 | 3♐32 | 8♎11 | 7♎52 | 3♊26 | 15♒ 9 | 4♒ 7 | 8♐49 | 16♎27 | 15♍54 | 14♍35 | 22♒ 0 | 29♓36 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s16 | 10s42 | 4n 6 | 12s16 | 1s 9 | 11n27 | 0n46 | 5n35 | 1n 8 | 20n34 | 0s51 | 17s53 | 1s33 | 20s 1 | 0s40 | 20s20 | 1n26 | 9n 9 | 16n28 | 4n59 | 5n29 | 13s 3 | 3n31 | 3n31 |
| S 2 | 5 39 | 13 57 | 4 45 | 12 54 | 1 16 | 11 4 | 0 49 | 5 20 | 1 8 | 20 34 | 0 51 | 17 54 | 1 32 | 20 1 | 0 40 | 20 21 | 1 26 | 9 8 | 16 28 | 5 0 | 5 30 | 13 1 | 3 30 | 3 30 |
| M 3 | 6 3 | 16 22 | 5 8 | 13 31 | 1 22 | 10 42 | 0 53 | 5 5 | 1 8 | 20 34 | 0 51 | 17 54 | 1 32 | 20 1 | 0 40 | 20 21 | 1 26 | 9 7 | 16 28 | 5 2 | 5 31 | 13 0 | 3 29 | 3 30 |
| T 4 | 6 26 | 17 53 | 5 14 | 14 7 | 1 29 | 10 19 | 0 56 | 4 49 | 1 8 | 20 33 | 0 51 | 17 54 | 1 32 | 20 1 | 0 40 | 20 21 | 1 25 | 9 6 | 16 28 | 5 3 | 5 33 | 12 59 | 3 27 | 3 30 |
| W 5 | 6 49 | 18 29 | 5 4 | 14 43 | 1 35 | 9 55 | 0 59 | 4 34 | 1 8 | 20 32 | 0 51 | 17 54 | 1 32 | 20 1 | 0 40 | 20 21 | 1 25 | 9 5 | 16 28 | 5 4 | 5 34 | 12 57 | 3 26 | 3 30 |
| T 6 | 7 12 | 18 12 | 4 41 | 15 17 | 1 41 | 9 32 | 1 2 | 4 18 | 1 8 | 20 32 | 0 52 | 17 55 | 1 32 | 20 1 | 0 40 | 20 22 | 1 25 | 9 4 | 16 28 | 5 5 | 5 35 | 12 56 | 3 25 | 3 30 |
| F 7 | 7 35 | 17 6 | 4 6 | 15 51 | 1 47 | 9 8 | 1 5 | 4 3 | 1 7 | 20 31 | 0 52 | 17 55 | 1 32 | 20 1 | 0 40 | 20 22 | 1 25 | 9 3 | 16 28 | 5 5 | 5 36 | 12 55 | 3 24 | 3 30 |
| S 8 | 7 58 | 15 15 | 3 21 | 16 24 | 1 52 | 8 43 | 1 8 | 3 48 | 1 7 | 20 31 | 0 52 | 17 55 | 1 32 | 20 1 | 0 40 | 20 22 | 1 25 | 9 2 | 16 28 | 5 4 | 5 38 | 12 53 | 3 23 | 3 30 |
| S 9 | 8 20 | 12 47 | 2 27 | 16 56 | 1 58 | 8 19 | 1 11 | 3 32 | 1 7 | 20 30 | 0 52 | 17 55 | 1 32 | 20 1 | 0 40 | 20 23 | 1 25 | 9 1 | 16 28 | 5 4 | 5 39 | 12 52 | 3 22 | 3 30 |
| M10 | 8 43 | 9 46 | 1 27 | 17 28 | 2 3 | 7 54 | 1 13 | 3 17 | 1 7 | 20 29 | 0 52 | 17 55 | 1 32 | 20 1 | 0 40 | 20 23 | 1 25 | 9 0 | 16 28 | 5 3 | 5 40 | 12 51 | 3 21 | 3 30 |
| T 11 | 9 5 | 6 19 | 0 23 | 17 58 | 2 8 | 7 29 | 1 16 | 3 1 | 1 7 | 20 28 | 0 52 | 17 55 | 1 32 | 20 1 | 0 40 | 20 23 | 1 25 | 9 0 | 16 29 | 5 2 | 5 41 | 12 50 | 3 20 | 3 29 |
| W12 | 9 28 | 2 34 | 0s43 | 18 27 | 2 13 | 7 3 | 1 18 | 2 46 | 1 7 | 20 28 | 0 52 | 17 55 | 1 32 | 20 1 | 0 39 | 20 24 | 1 25 | 8 59 | 16 29 | 5 3 | 5 43 | 12 48 | 3 18 | 3 29 |
| T 13 | 9 50 | 1n21 | 1 48 | 18 55 | 2 18 | 6 37 | 1 21 | 2 30 | 1 7 | 20 27 | 0 52 | 17 55 | 1 32 | 20 1 | 0 39 | 20 24 | 1 25 | 8 58 | 16 29 | 5 3 | 5 44 | 12 47 | 3 17 | 3 29 |
| F 14 | 10 12 | 5 17 | 2 49 | 19 22 | 2 22 | 6 11 | 1 23 | 2 15 | 1 7 | 20 26 | 0 52 | 17 55 | 1 31 | 20 1 | 0 39 | 20 24 | 1 25 | 8 57 | 16 29 | 5 5 | 5 45 | 12 46 | 3 16 | 3 29 |
| S 15 | 10 33 | 9 3 | 3 42 | 19 48 | 2 26 | 5 45 | 1 25 | 1 59 | 1 6 | 20 25 | 0 52 | 17 55 | 1 31 | 20 1 | 0 39 | 20 25 | 1 25 | 8 56 | 16 29 | 5 7 | 5 46 | 12 44 | 3 15 | 3 29 |
| S 16 | 10 55 | 12 28 | 4 25 | 20 13 | 2 30 | 5 19 | 1 27 | 1 44 | 1 6 | 20 24 | 0 52 | 17 55 | 1 31 | 20 1 | 0 39 | 20 25 | 1 25 | 8 56 | 16 29 | 5 10 | 5 48 | 12 43 | 3 14 | 3 29 |
| M17 | 11 17 | 15 18 | 4 55 | 20 36 | 2 33 | 4 52 | 1 30 | 1 28 | 1 6 | 20 23 | 0 51 | 17 54 | 1 31 | 20 1 | 0 39 | 20 25 | 1 25 | 8 55 | 16 29 | 5 13 | 5 49 | 12 42 | 3 13 | 3 29 |
| T 18 | 11 38 | 17 21 | 5 8 | 20 59 | 2 36 | 4 25 | 1 32 | 1 13 | 1 6 | 20 22 | 0 51 | 17 54 | 1 31 | 20 0 | 0 39 | 20 25 | 1 25 | 8 54 | 16 29 | 5 15 | 5 50 | 12 40 | 3 12 | 3 28 |
| W19 | 11 59 | 18 27 | 5 4 | 21 19 | 2 38 | 3 58 | 1 33 | 0 57 | 1 6 | 20 21 | 0 51 | 17 54 | 1 31 | 20 0 | 0 39 | 20 26 | 1 25 | 8 53 | 16 29 | 5 18 | 5 51 | 12 39 | 3 11 | 3 28 |
| T 20 | 12 20 | 18 28 | 4 43 | 21 39 | 2 40 | 3 31 | 1 35 | 0 41 | 1 6 | 20 20 | 0 51 | 17 54 | 1 31 | 20 0 | 0 39 | 20 26 | 1 25 | 8 52 | 16 29 | 5 19 | 5 53 | 12 37 | 3 10 | 3 28 |
| F 21 | 12 41 | 17 22 | 4 5 | 21 56 | 2 42 | 3 4 | 1 37 | 0 26 | 1 5 | 20 19 | 0 51 | 17 53 | 1 31 | 20 0 | 0 39 | 20 26 | 1 25 | 8 52 | 16 30 | 5 20 | 5 54 | 12 36 | 3 9 | 3 28 |
| S 22 | 13 2 | 15 12 | 3 12 | 22 13 | 2 42 | 2 36 | 1 38 | 0 10 | 1 5 | 20 18 | 0 51 | 17 53 | 1 31 | 20 0 | 0 39 | 20 27 | 1 25 | 8 51 | 16 30 | 5 20 | 5 55 | 12 35 | 3 8 | 3 28 |
| S 23 | 13 22 | 12 7 | 2 6 | 22 27 | 2 42 | 2 9 | 1 40 | 0s 5 | 1 5 | 20 17 | 0 51 | 17 53 | 1 31 | 20 0 | 0 39 | 20 27 | 1 25 | 8 50 | 16 30 | 5 20 | 5 56 | 12 33 | 3 7 | 3 28 |
| M24 | 13 42 | 8 17 | 0 53 | 22 40 | 2 42 | 1 41 | 1 41 | 0 21 | 1 5 | 20 16 | 0 51 | 17 52 | 1 31 | 19 59 | 0 39 | 20 28 | 1 25 | 8 50 | 16 30 | 5 20 | 5 57 | 12 32 | 3 6 | 3 27 |
| T 25 | 14 2 | 3 58 | 0n23 | 22 50 | 2 41 | 1 13 | 1 43 | 0 36 | 1 5 | 20 15 | 0 51 | 17 52 | 1 31 | 19 59 | 0 39 | 20 28 | 1 25 | 8 49 | 16 30 | 5 20 | 5 59 | 12 31 | 3 5 | 3 27 |
| W26 | 14 22 | 0s34 | 1 38 | 22 59 | 2 38 | 0 45 | 1 44 | 0 52 | 1 5 | 20 13 | 0 51 | 17 51 | 1 30 | 19 59 | 0 39 | 20 28 | 1 25 | 8 48 | 16 30 | 5 20 | 6 0 | 12 29 | 3 4 | 3 27 |
| T 27 | 14 41 | 5 2 | 2 47 | 23 6 | 2 35 | 0 17 | 1 45 | 1 8 | 1 4 | 20 12 | 0 51 | 17 51 | 1 30 | 19 59 | 0 39 | 20 29 | 1 25 | 8 48 | 16 31 | 5 22 | 6 1 | 12 28 | 3 3 | 3 27 |
| F 28 | 15 1 | 9 11 | 3 44 | 23 10 | 2 31 | 0s11 | 1 46 | 1 23 | 1 4 | 20 11 | 0 51 | 17 50 | 1 30 | 19 58 | 0 39 | 20 29 | 1 25 | 8 47 | 16 31 | 5 24 | 6 2 | 12 27 | 3 2 | 3 27 |
| S 29 | 15 19 | 12 46 | 4 27 | 23 12 | 2 26 | 0 39 | 1 47 | 1 39 | 1 4 | 20 10 | 0 51 | 17 50 | 1 30 | 19 58 | 0 39 | 20 29 | 1 25 | 8 46 | 16 31 | 5 28 | 6 4 | 12 25 | 3 1 | 3 26 |
| S 30 | 15 38 | 15 36 | 4 54 | 23 11 | 2 20 | 1 8 | 1 48 | 1 54 | 1 4 | 20 8 | 0 51 | 17 49 | 1 30 | 19 58 | 0 39 | 20 30 | 1 25 | 8 46 | 16 31 | 5 32 | 6 5 | 12 24 | 3 0 | 3 26 |
| M31 | 15s57 | 17s33 | 5n 5 | 23s 8 | 2s12 | 1s36 | 1n49 | 2s10 | 1n 4 | 20n 7 | 0s51 | 17s49 | 1s30 | 19s58 | 0s39 | 20s30 | 1n25 | 8n45 | 16n32 | 5n36 | 6n 6 | 12s23 | 2n59 | 3n26 |

Julian Day Number = 2083659.5, Delta T = 24m59s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'06, Lahiri = 9°49'07 Julian Calendar 1 Oct. 992 == Greg. Calendar 6 Oct. 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## NOVEMBER 992 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 2 46 | 14♏24'44 | 26♐43 | 3♐44 | 9♎25 | 8♎30 | 3°R18 | 15♒10 | 4♒ 9 | 8♐51 | 16♎30 | 15°R44 | 14♍32 | 22♒ 7 | 29°R35 | T 1 |
| W 2 | 3 6 42 | 15°25'27 | 9♑15 | 3°R48 | 10°38 | 9° 9 | 3♊11 | 15°12 | 4°10 | 8°54 | 16°32 | 15♍36 | 14°29 | 22°14 | 29♓33 | W 2 |
| T 3 | 3 10 39 | 16°26'12 | 21°29 | 3°41 | 11°51 | 9°48 | 3° 3 | 15°15 | 4°11 | 8°56 | 16°34 | 15°30 | 14°26 | 22°20 | 29°31 | T 3 |
| F 4 | 3 14 35 | 17°26'58 | 3♒30 | 3°25 | 13° 5 | 10°26 | 2°56 | 15°17 | 4°12 | 8°58 | 16°36 | 15°27 | 14°22 | 22°27 | 29°30 | F 4 |
| S 5 | 3 18 32 | 18°27'45 | 15°21 | 2°58 | 14°19 | 11° 5 | 2°48 | 15°19 | 4°14 | 9° 0 | 16°38 | 15°D26 | 14°19 | 22°34 | 29°28 | S 5 |
| S 6 | 3 22 28 | 19°28'33 | 27°10 | 2°20 | 15°32 | 11°44 | 2°40 | 15°21 | 4°15 | 9° 2 | 16°40 | 15°26 | 14°16 | 22°40 | 29°26 | S 6 |
| M 7 | 3 26 25 | 20°29'22 | 9♓ 0 | 1°31 | 16°46 | 12°23 | 2°33 | 15°24 | 4°17 | 9° 4 | 16°43 | 15°27 | 14°13 | 22°47 | 29°25 | M 7 |
| T 8 | 3 30 22 | 21°30'12 | 20°57 | 0°32 | 18° 0 | 13° 1 | 2°25 | 15°26 | 4°18 | 9° 6 | 16°45 | 15°R27 | 14°10 | 22°54 | 29°24 | T 8 |
| W 9 | 3 34 18 | 22°31'04 | 3♈ 7 | 29♏24 | 19°13 | 13°40 | 2°17 | 15°29 | 4°20 | 9° 9 | 16°47 | 15°25 | 14° 6 | 23° 0 | 29°22 | W 9 |
| T 10 | 3 38 15 | 23°31'56 | 15°33 | 28° 9 | 20°27 | 14°19 | 2° 9 | 15°32 | 4°21 | 9°11 | 16°49 | 15°21 | 14° 3 | 23° 7 | 29°21 | T 10 |
| F 11 | 3 42 11 | 24°32'49 | 28°19 | 26°49 | 21°41 | 14°58 | 2° 1 | 15°35 | 4°23 | 9°13 | 16°51 | 15°14 | 14° 0 | 23°13 | 29°20 | F 11 |
| S 12 | 3 46 8 | 25°33'43 | 11♉25 | 25°27 | 22°55 | 15°36 | 1°53 | 15°37 | 4°25 | 9°15 | 16°53 | 15° 5 | 13°57 | 23°20 | 29°18 | S 12 |
| S 13 | 3 50 4 | 26°34'38 | 24°51 | 24° 4 | 24° 9 | 16°15 | 1°45 | 15°41 | 4°27 | 9°17 | 16°55 | 14°54 | 13°54 | 23°27 | 29°17 | S 13 |
| M14 | 3 54 1 | 27°35'34 | 8♊36 | 22°45 | 25°23 | 16°54 | 1°36 | 15°44 | 4°28 | 9°20 | 16°57 | 14°42 | 13°51 | 23°33 | 29°16 | M14 |
| T 15 | 3 57 57 | 28°36'31 | 22°34 | 21°32 | 26°37 | 17°33 | 1°28 | 15°47 | 4°30 | 9°22 | 16°59 | 14°30 | 13°47 | 23°40 | 29°15 | T 15 |
| W16 | 4 1 54 | 29°37'30 | 6♋42 | 20°26 | 27°51 | 18°12 | 1°20 | 15°50 | 4°32 | 9°24 | 17° 1 | 14°19 | 13°44 | 23°47 | 29°14 | W16 |
| T 17 | 4 5 51 | 0♐38'29 | 20°55 | 19°30 | 29° 5 | 18°50 | 1°12 | 15°54 | 4°34 | 9°26 | 17° 3 | 14°12 | 13°41 | 23°53 | 29°13 | T 17 |
| F 18 | 4 9 47 | 1°39'30 | 5♌ 8 | 18°44 | 0♏20 | 19°29 | 1° 4 | 15°57 | 4°36 | 9°29 | 17° 4 | 14° 7 | 13°38 | 24° 0 | 29°12 | F 18 |
| S 19 | 4 13 44 | 2°40'32 | 19°18 | 18°10 | 1°34 | 20° 8 | 0°56 | 16° 1 | 4°38 | 9°31 | 17° 6 | 14° 4 | 13°35 | 24° 7 | 29°11 | S 19 |
| S 20 | 4 17 40 | 3°41'35 | 3♍25 | 17°47 | 2°48 | 20°47 | 0°47 | 16° 4 | 4°40 | 9°33 | 17° 8 | 14°D 4 | 13°32 | 24°13 | 29°10 | S 20 |
| M21 | 4 21 37 | 4°42'39 | 17°26 | 17°35 | 4° 3 | 21°26 | 0°39 | 16° 8 | 4°42 | 9°35 | 17°10 | 14°R 4 | 13°28 | 24°20 | 29° 9 | M21 |
| T 22 | 4 25 33 | 5°43'44 | 1♎22 | 17°D33 | 5°17 | 22° 5 | 0°31 | 16°12 | 4°44 | 9°38 | 17°12 | 14° 3 | 13°25 | 24°27 | 29° 9 | T 22 |
| W23 | 4 29 30 | 6°44'50 | 15°12 | 17°42 | 6°31 | 22°43 | 0°23 | 16°16 | 4°46 | 9°40 | 17°13 | 14° 0 | 13°22 | 24°33 | 29° 8 | W23 |
| T 24 | 4 33 26 | 7°45'58 | 28°55 | 17°59 | 7°46 | 23°22 | 0°15 | 16°20 | 4°49 | 9°42 | 17°15 | 13°54 | 13°19 | 24°40 | 29° 7 | T 24 |
| F 25 | 4 37 23 | 8°47'06 | 12♏29 | 18°25 | 9° 0 | 24° 1 | 0° 7 | 16°24 | 4°51 | 9°45 | 17°17 | 13°45 | 13°16 | 24°47 | 29° 7 | F 25 |
| S 26 | 4 41 20 | 9°48'15 | 25°54 | 18°59 | 10°15 | 24°40 | 29♉59 | 16°28 | 4°53 | 9°47 | 17°19 | 13°34 | 13°12 | 24°53 | 29° 6 | S 26 |
| S 27 | 4 45 16 | 10°49'24 | 9♐ 5 | 19°39 | 11°29 | 25°19 | 29°51 | 16°33 | 4°56 | 9°49 | 17°20 | 13°20 | 13° 9 | 25° 0 | 29° 6 | S 27 |
| M28 | 4 49 13 | 11°50'34 | 22° 3 | 20°25 | 12°44 | 25°58 | 29°43 | 16°37 | 4°58 | 9°51 | 17°22 | 13° 6 | 13° 6 | 25° 7 | 29° 5 | M28 |
| T 29 | 4 53 9 | 12°51'45 | 4♑44 | 21°16 | 13°58 | 26°37 | 29°35 | 16°41 | 5° 0 | 9°54 | 17°24 | 12°52 | 13° 3 | 25°13 | 29° 5 | T 29 |
| W30 | 4 57 6 | 13♐52'56 | 17♑ 9 | 22♏12 | 15♏13 | 27♎16 | 29♉28 | 16♒46 | 5♒ 3 | 9♐56 | 17♎25 | 12♍41 | 13♍ 0 | 25♒20 | 29♓ 5 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s15 | 18s32 | 5n 0 | 23s 1 | 2s 3 | 2s 4 | 1n49 | 2s25 | 1n 3 | 20n 6 | 0s51 | 17s48 | 1s30 | 19s57 | 0s39 | 20s30 | 1n24 | 8n44 | 16n32 | 5n39 | 6n 7 | 12s21 | 2n59 | 3n26 |
| W 2 | 16 33 | 18 35 | 4 40 | 22 51 | 1 52 | 2 33 | 1 50 | 2 41 | 1 3 | 20 4 | 0 51 | 17 47 | 1 30 | 19 57 | 0 39 | 20 31 | 1 24 | 8 44 | 16 32 | 5 42 | 6 9 | 12 20 | 2 58 | 3 26 |
| T 3 | 16 50 | 17 46 | 4 8 | 22 38 | 1 40 | 3 1 | 1 51 | 2 56 | 1 3 | 20 3 | 0 51 | 17 47 | 1 30 | 19 57 | 0 39 | 20 31 | 1 24 | 8 43 | 16 32 | 5 45 | 6 10 | 12 18 | 2 57 | 3 25 |
| F 4 | 17 8 | 16 9 | 3 25 | 22 22 | 1 27 | 3 29 | 1 51 | 3 12 | 1 3 | 20 2 | 0 51 | 17 46 | 1 30 | 19 56 | 0 39 | 20 31 | 1 24 | 8 43 | 16 33 | 5 46 | 6 11 | 12 17 | 2 56 | 3 25 |
| S 5 | 17 25 | 13 52 | 2 34 | 22 2 | 1 11 | 3 58 | 1 51 | 3 27 | 1 2 | 20 0 | 0 51 | 17 45 | 1 30 | 19 56 | 0 39 | 20 32 | 1 24 | 8 42 | 16 33 | 5 46 | 6 12 | 12 16 | 2 55 | 3 25 |
| S 6 | 17 42 | 11 1 | 1 36 | 21 38 | 0 55 | 4 26 | 1 51 | 3 43 | 1 2 | 19 59 | 0 50 | 17 44 | 1 29 | 19 55 | 0 39 | 20 32 | 1 24 | 8 42 | 16 33 | 5 46 | 6 13 | 12 14 | 2 54 | 3 25 |
| M 7 | 17 58 | 7 42 | 0 34 | 21 10 | 0 37 | 4 54 | 1 52 | 3 58 | 1 2 | 19 57 | 0 50 | 17 44 | 1 29 | 19 55 | 0 39 | 20 32 | 1 24 | 8 41 | 16 33 | 5 46 | 6 15 | 12 13 | 2 54 | 3 25 |
| T 8 | 18 14 | 4 3 | 0s29 | 20 39 | 0 17 | 5 22 | 1 52 | 4 13 | 1 2 | 19 56 | 0 50 | 17 43 | 1 29 | 19 55 | 0 39 | 20 33 | 1 24 | 8 41 | 16 34 | 5 46 | 6 16 | 12 11 | 2 53 | 3 24 |
| W 9 | 18 30 | 0 10 | 1 33 | 20 5 | 0n 3 | 5 51 | 1 52 | 4 29 | 1 1 | 19 55 | 0 50 | 17 42 | 1 29 | 19 54 | 0 39 | 20 33 | 1 24 | 8 40 | 16 34 | 5 47 | 6 17 | 12 10 | 2 52 | 3 24 |
| T 10 | 18 45 | 3n48 | 2 33 | 19 29 | 0 23 | 6 19 | 1 52 | 4 44 | 1 1 | 19 53 | 0 50 | 17 41 | 1 29 | 19 54 | 0 39 | 20 33 | 1 24 | 8 40 | 16 34 | 5 48 | 6 18 | 12 9 | 2 51 | 3 24 |
| F 11 | 19 0 | 7 42 | 3 27 | 18 51 | 0 44 | 6 46 | 1 51 | 4 59 | 1 1 | 19 52 | 0 50 | 17 40 | 1 29 | 19 53 | 0 39 | 20 34 | 1 24 | 8 39 | 16 35 | 5 51 | 6 20 | 12 7 | 2 51 | 3 24 |
| S 12 | 19 15 | 11 21 | 4 12 | 18 12 | 1 4 | 7 14 | 1 51 | 5 14 | 1 1 | 19 50 | 0 50 | 17 39 | 1 29 | 19 53 | 0 39 | 20 34 | 1 24 | 8 39 | 16 35 | 5 54 | 6 21 | 12 6 | 2 50 | 3 24 |
| S 13 | 19 30 | 14 30 | 4 44 | 17 33 | 1 23 | 7 42 | 1 51 | 5 30 | 1 0 | 19 49 | 0 50 | 17 38 | 1 29 | 19 53 | 0 39 | 20 34 | 1 24 | 8 38 | 16 35 | 5 59 | 6 22 | 12 4 | 2 49 | 3 23 |
| M14 | 19 44 | 16 55 | 5 0 | 16 57 | 1 40 | 8 10 | 1 50 | 5 45 | 1 0 | 19 47 | 0 50 | 17 37 | 1 29 | 19 52 | 0 39 | 20 35 | 1 24 | 8 38 | 16 36 | 6 4 | 6 23 | 12 3 | 2 49 | 3 23 |
| T 15 | 19 57 | 18 23 | 4 59 | 16 23 | 1 56 | 8 37 | 1 50 | 6 0 | 1 0 | 19 45 | 0 49 | 17 36 | 1 29 | 19 52 | 0 39 | 20 35 | 1 24 | 8 37 | 16 36 | 6 8 | 6 25 | 12 2 | 2 48 | 3 23 |
| W16 | 20 11 | 18 45 | 4 39 | 15 52 | 2 10 | 9 4 | 1 49 | 6 15 | 1 0 | 19 44 | 0 49 | 17 35 | 1 29 | 19 51 | 0 38 | 20 36 | 1 24 | 8 37 | 16 36 | 6 12 | 6 26 | 12 0 | 2 47 | 3 23 |
| T 17 | 20 24 | 17 56 | 4 2 | 15 26 | 2 21 | 9 31 | 1 48 | 6 30 | 0 59 | 19 42 | 0 49 | 17 34 | 1 29 | 19 51 | 0 38 | 20 36 | 1 24 | 8 37 | 16 37 | 6 15 | 6 27 | 11 59 | 2 47 | 3 23 |
| F 18 | 20 36 | 16 0 | 3 11 | 15 5 | 2 30 | 9 58 | 1 48 | 6 45 | 0 59 | 19 41 | 0 49 | 17 33 | 1 28 | 19 50 | 0 38 | 20 36 | 1 24 | 8 36 | 16 37 | 6 17 | 6 28 | 11 57 | 2 46 | 3 22 |
| S 19 | 20 48 | 13 6 | 2 7 | 14 48 | 2 38 | 10 25 | 1 47 | 7 0 | 0 59 | 19 39 | 0 49 | 17 32 | 1 28 | 19 50 | 0 38 | 20 37 | 1 24 | 8 36 | 16 37 | 6 18 | 6 29 | 11 56 | 2 46 | 3 22 |
| S 20 | 21 0 | 9 26 | 0 56 | 14 37 | 2 43 | 10 51 | 1 46 | 7 15 | 0 59 | 19 38 | 0 49 | 17 30 | 1 28 | 19 49 | 0 38 | 20 37 | 1 24 | 8 36 | 16 38 | 6 18 | 6 31 | 11 55 | 2 45 | 3 22 |
| M21 | 21 12 | 5 16 | 0n18 | 14 31 | 2 46 | 11 17 | 1 45 | 7 30 | 0 58 | 19 36 | 0 49 | 17 29 | 1 28 | 19 49 | 0 38 | 20 37 | 1 24 | 8 35 | 16 38 | 6 18 | 6 32 | 11 53 | 2 45 | 3 22 |
| T 22 | 21 23 | 0 50 | 1 30 | 14 29 | 2 47 | 11 43 | 1 44 | 7 45 | 0 58 | 19 35 | 0 48 | 17 28 | 1 28 | 19 48 | 0 38 | 20 38 | 1 24 | 8 35 | 16 39 | 6 18 | 6 33 | 11 52 | 2 44 | 3 21 |
| W23 | 21 33 | 3s36 | 2 37 | 14 32 | 2 47 | 12 9 | 1 43 | 8 0 | 0 58 | 19 33 | 0 48 | 17 27 | 1 28 | 19 48 | 0 38 | 20 38 | 1 24 | 8 35 | 16 39 | 6 20 | 6 34 | 11 50 | 2 44 | 3 21 |
| T 24 | 21 43 | 7 49 | 3 33 | 14 38 | 2 46 | 12 34 | 1 42 | 8 14 | 0 57 | 19 32 | 0 48 | 17 25 | 1 28 | 19 47 | 0 38 | 20 38 | 1 24 | 8 35 | 16 39 | 6 22 | 6 36 | 11 49 | 2 43 | 3 21 |
| F 25 | 21 53 | 11 35 | 4 17 | 14 48 | 2 43 | 12 59 | 1 40 | 8 29 | 0 57 | 19 30 | 0 48 | 17 24 | 1 28 | 19 46 | 0 38 | 20 39 | 1 24 | 8 34 | 16 40 | 6 25 | 6 37 | 11 47 | 2 43 | 3 21 |
| S 26 | 22 2 | 14 42 | 4 46 | 15 0 | 2 39 | 13 24 | 1 39 | 8 44 | 0 57 | 19 29 | 0 48 | 17 23 | 1 28 | 19 46 | 0 38 | 20 39 | 1 24 | 8 34 | 16 40 | 6 30 | 6 38 | 11 46 | 2 42 | 3 20 |
| S 27 | 22 11 | 17 0 | 4 59 | 15 15 | 2 35 | 13 49 | 1 38 | 8 58 | 0 56 | 19 27 | 0 48 | 17 21 | 1 28 | 19 45 | 0 38 | 20 39 | 1 24 | 8 34 | 16 41 | 6 35 | 6 39 | 11 45 | 2 42 | 3 20 |
| M28 | 22 20 | 18 24 | 4 56 | 15 33 | 2 30 | 14 13 | 1 36 | 9 13 | 0 56 | 19 26 | 0 48 | 17 20 | 1 28 | 19 45 | 0 38 | 20 40 | 1 24 | 8 34 | 16 41 | 6 40 | 6 40 | 11 43 | 2 41 | 3 20 |
| T 29 | 22 28 | 18 50 | 4 39 | 15 52 | 2 24 | 14 37 | 1 35 | 9 27 | 0 56 | 19 24 | 0 47 | 17 19 | 1 28 | 19 44 | 0 38 | 20 40 | 1 24 | 8 33 | 16 42 | 6 46 | 6 42 | 11 42 | 2 41 | 3 20 |
| W30 | 22s35 | 18s21 | 4n 8 | 16s12 | 2n18 | 15s 0 | 1n33 | 9s42 | 0n55 | 19n23 | 0s47 | 17s17 | 1s28 | 19s43 | 0s38 | 20s40 | 1n24 | 8n33 | 16n42 | 6n50 | 6n43 | 11s40 | 2n41 | 3n20 |

Julian Day Number = 2083690.5, Delta T = 24m59s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'10, Lahiri = 9°49'11 Julian Calendar 1 Nov. 992 == Greg. Calendar 6 Nov. 992


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# ASTRODIENST EPHEMERIS for the year 992
# geocentric

## DECEMBER 992 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 1 2 | 14♐54'07 | 29♉20 | 23♏12 | 16♏28 | 27♎55 | 29°R20 | 16♒50 | 5♒ 5 | 9♐58 | 17♎27 | 12°R32 | 12♍57 | 25♒27 | 29°R 5 | T 1 |
| F 2 | 5 4 59 | 15°55'19 | 11♒19 | 24°15 | 17°42 | 28°33 | 29♉13 | 16°55 | 5° 8 | 10° 0 | 17°28 | 12♍26 | 12°53 | 25°33 | 29♓ 4 | F 2 |
| S 3 | 5 8 56 | 16°56'31 | 23° 9 | 25°22 | 18°57 | 29°12 | 29° 5 | 17° 0 | 5°10 | 10° 3 | 17°30 | 12°23 | 12°50 | 25°40 | 29° 4 | S 3 |
| S 4 | 5 12 52 | 17°57'42 | 4♓56 | 26°31 | 20°12 | 29°51 | 28°58 | 17° 5 | 5°13 | 10° 5 | 17°31 | 12°22 | 12°47 | 25°47 | 29° 4 | S 4 |
| M 5 | 5 16 49 | 18°58'54 | 16°45 | 27°43 | 21°26 | 0♏30 | 28°50 | 17°10 | 5°16 | 10° 7 | 17°33 | 12°21 | 12°44 | 25°53 | 29°D 4 | M 5 |
| T 6 | 5 20 45 | 20° 0'06 | 28°41 | 28°57 | 22°41 | 1° 9 | 28°43 | 17°15 | 5°18 | 10° 9 | 17°34 | 12°21 | 12°41 | 26° 0 | 29° 4 | T 6 |
| W 7 | 5 24 42 | 21° 1'17 | 10♈50 | 0♐12 | 23°56 | 1°48 | 28°36 | 17°20 | 5°21 | 10°12 | 17°35 | 12°20 | 12°37 | 26° 6 | 29° 4 | W 7 |
| T 8 | 5 28 38 | 22° 2'29 | 23°17 | 1°30 | 25°11 | 2°27 | 28°29 | 17°25 | 5°24 | 10°14 | 17°37 | 12°16 | 12°34 | 26°13 | 29° 4 | T 8 |
| F 9 | 5 32 35 | 23° 3'40 | 6♉ 6 | 2°49 | 26°25 | 3° 6 | 28°23 | 17°30 | 5°27 | 10°16 | 17°38 | 12°10 | 12°31 | 26°20 | 29° 5 | F 9 |
| S 10 | 5 36 31 | 24° 4'52 | 19°20 | 4° 9 | 27°40 | 3°45 | 28°16 | 17°35 | 5°29 | 10°18 | 17°39 | 12° 1 | 12°28 | 26°26 | 29° 5 | S 10 |
| S 11 | 5 40 28 | 25° 6'03 | 3♊ 0 | 5°30 | 28°55 | 4°24 | 28° 9 | 17°41 | 5°32 | 10°21 | 17°40 | 11°50 | 12°25 | 26°33 | 29° 5 | S 11 |
| M12 | 5 44 25 | 26° 7'14 | 17° 4 | 6°53 | 0♐10 | 5° 3 | 28° 3 | 17°46 | 5°35 | 10°23 | 17°42 | 11°38 | 12°22 | 26°40 | 29° 6 | M12 |
| T 13 | 5 48 21 | 27° 8'25 | 1♋27 | 8°16 | 1°25 | 5°42 | 27°57 | 17°52 | 5°38 | 10°25 | 17°43 | 11°26 | 12°18 | 26°46 | 29° 6 | T 13 |
| W14 | 5 52 18 | 28° 9'37 | 16° 3 | 9°41 | 2°40 | 6°21 | 27°51 | 17°57 | 5°41 | 10°27 | 17°44 | 11°16 | 12°15 | 26°53 | 29° 7 | W14 |
| T 15 | 5 56 14 | 29°10'48 | 0♌43 | 11° 6 | 3°54 | 7° 0 | 27°45 | 18° 3 | 5°44 | 10°29 | 17°45 | 11° 8 | 12°12 | 27° 0 | 29° 7 | T 15 |
| F 16 | 6 0 11 | 0♉11'59 | 15°22 | 12°32 | 5° 9 | 7°39 | 27°39 | 18° 8 | 5°47 | 10°31 | 17°46 | 11° 2 | 12° 9 | 27° 6 | 29° 8 | F 16 |
| S 17 | 6 4 7 | 1°13'10 | 29°52 | 13°59 | 6°24 | 8°18 | 27°33 | 18°14 | 5°50 | 10°34 | 17°47 | 11° 0 | 12° 6 | 27°13 | 29° 8 | S 17 |
| S 18 | 6 8 4 | 2°14'21 | 14♍11 | 15°26 | 7°39 | 8°57 | 27°28 | 18°20 | 5°53 | 10°36 | 17°48 | 11°D 0 | 12° 3 | 27°20 | 29° 9 | S 18 |
| M19 | 6 12 0 | 3°15'32 | 28°16 | 16°54 | 8°54 | 9°36 | 27°22 | 18°26 | 5°56 | 10°38 | 17°49 | 11°R 0 | 11°59 | 27°26 | 29°10 | M19 |
| T 20 | 6 15 57 | 4°16'43 | 12♎ 7 | 18°23 | 10° 9 | 10°15 | 27°17 | 18°32 | 5°59 | 10°40 | 17°50 | 11° 0 | 11°56 | 27°33 | 29°11 | T 20 |
| W21 | 6 19 54 | 5°17'55 | 25°44 | 19°52 | 11°24 | 10°54 | 27°12 | 18°38 | 6° 2 | 10°42 | 17°51 | 10°58 | 11°53 | 27°40 | 29°11 | W21 |
| T 22 | 6 23 50 | 6°19'06 | 9♏ 8 | 21°21 | 12°39 | 11°33 | 27° 7 | 18°44 | 6° 5 | 10°44 | 17°52 | 10°54 | 11°50 | 27°46 | 29°12 | T 22 |
| F 23 | 6 27 47 | 7°20'17 | 22°21 | 22°52 | 13°54 | 12°12 | 27° 3 | 18°50 | 6° 8 | 10°46 | 17°53 | 10°47 | 11°47 | 27°53 | 29°13 | F 23 |
| S 24 | 6 31 43 | 8°21'28 | 5♐22 | 24°22 | 15° 9 | 12°51 | 26°58 | 18°56 | 6°11 | 10°48 | 17°54 | 10°37 | 11°43 | 28° 0 | 29°14 | S 24 |
| S 25 | 6 35 40 | 9°22'38 | 18°11 | 25°54 | 16°24 | 13°30 | 26°54 | 19° 2 | 6°15 | 10°50 | 17°54 | 10°26 | 11°40 | 28° 6 | 29°15 | S 25 |
| M26 | 6 39 36 | 10°23'48 | 0♉48 | 27°25 | 17°39 | 14° 9 | 26°50 | 19° 8 | 6°18 | 10°53 | 17°55 | 10°14 | 11°37 | 28°13 | 29°17 | M26 |
| T 27 | 6 43 33 | 11°24'58 | 13°14 | 28°58 | 18°54 | 14°48 | 26°46 | 19°14 | 6°21 | 10°55 | 17°56 | 10° 3 | 11°34 | 28°19 | 29°18 | T 27 |
| W28 | 6 47 29 | 12°26'07 | 25°27 | 0♉31 | 20° 8 | 15°27 | 26°42 | 19°21 | 6°24 | 10°57 | 17°56 | 9°53 | 11°31 | 28°26 | 29°19 | W28 |
| T 29 | 6 51 26 | 13°27'15 | 7♒31 | 2° 4 | 21°23 | 16° 6 | 26°39 | 19°27 | 6°28 | 10°59 | 17°57 | 9°45 | 11°28 | 28°33 | 29°20 | T 29 |
| F 30 | 6 55 23 | 14°28'22 | 19°26 | 3°38 | 22°38 | 16°45 | 26°35 | 19°34 | 6°31 | 11° 1 | 17°58 | 9°40 | 11°24 | 28°39 | 29°22 | F 30 |
| S 31 | 6 59 19 | 15♉29'29 | 1♓14 | 5♉12 | 23♐53 | 17♏24 | 26♉32 | 19♒40 | 6♒34 | 11♐ 2 | 17♎58 | 9♍38 | 11♍21 | 28♒46 | 29♓23 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s42 | 17s 2 | 3n27 | 16s34 | 2n11 | 15s23 | 1n31 | 9s56 | 0n55 | 19n21 | 0s47 | 17s16 | 1s28 | 19s43 | 0s38 | 20s41 | 1n24 | 8n33 | 16n42 | 6n54 | 6n44 | 11s39 | 2n40 | 3n19 |
| F 2 | 22 49 | 14 58 | 2 37 | 16 56 | 2 4 | 15 46 | 1 30 | 10 10 | 0 55 | 19 20 | 0 47 | 17 14 | 1 27 | 19 42 | 0 38 | 20 41 | 1 24 | 8 33 | 16 43 | 6 56 | 6 45 | 11 37 | 2 40 | 3 19 |
| S 3 | 22 55 | 12 18 | 1 40 | 17 19 | 1 56 | 16 8 | 1 28 | 10 24 | 0 54 | 19 18 | 0 47 | 17 13 | 1 27 | 19 41 | 0 38 | 20 41 | 1 24 | 8 33 | 16 43 | 6 57 | 6 47 | 11 36 | 2 40 | 3 19 |
| S 4 | 23 1 | 9 9 | 0 39 | 17 43 | 1 49 | 16 30 | 1 26 | 10 38 | 0 54 | 19 17 | 0 46 | 17 11 | 1 27 | 19 41 | 0 38 | 20 42 | 1 24 | 8 33 | 16 44 | 6 58 | 6 48 | 11 35 | 2 40 | 3 19 |
| M 5 | 23 6 | 5 37 | 0s23 | 18 7 | 1 41 | 16 52 | 1 24 | 10 52 | 0 54 | 19 15 | 0 46 | 17 10 | 1 27 | 19 40 | 0 38 | 20 42 | 1 24 | 8 33 | 16 44 | 6 58 | 6 49 | 11 33 | 2 39 | 3 18 |
| T 6 | 23 11 | 1 50 | 1 25 | 18 31 | 1 33 | 17 13 | 1 22 | 11 6 | 0 53 | 19 14 | 0 46 | 17 8 | 1 27 | 19 40 | 0 38 | 20 42 | 1 24 | 8 33 | 16 45 | 6 58 | 6 50 | 11 32 | 2 39 | 3 18 |
| W 7 | 23 16 | 2n 5 | 2 25 | 18 55 | 1 25 | 17 34 | 1 20 | 11 20 | 0 53 | 19 13 | 0 46 | 17 6 | 1 27 | 19 39 | 0 38 | 20 43 | 1 24 | 8 33 | 16 45 | 6 58 | 6 51 | 11 30 | 2 39 | 3 18 |
| T 8 | 23 20 | 6 1 | 3 19 | 19 19 | 1 17 | 17 54 | 1 18 | 11 34 | 0 52 | 19 11 | 0 46 | 17 5 | 1 27 | 19 38 | 0 38 | 20 43 | 1 24 | 8 33 | 16 46 | 7 0 | 6 53 | 11 29 | 2 39 | 3 18 |
| F 9 | 23 23 | 9 47 | 4 4 | 19 42 | 1 9 | 18 13 | 1 16 | 11 48 | 0 52 | 19 10 | 0 45 | 17 3 | 1 27 | 19 37 | 0 38 | 20 43 | 1 24 | 8 33 | 16 46 | 7 2 | 6 54 | 11 27 | 2 39 | 3 17 |
| S 10 | 23 26 | 13 11 | 4 38 | 20 5 | 1 1 | 18 33 | 1 14 | 12 1 | 0 52 | 19 9 | 0 45 | 17 1 | 1 27 | 19 37 | 0 38 | 20 44 | 1 24 | 8 33 | 16 47 | 7 5 | 6 55 | 11 26 | 2 39 | 3 17 |
| S 11 | 23 29 | 16 0 | 4 58 | 20 28 | 0 53 | 18 51 | 1 12 | 12 15 | 0 51 | 19 7 | 0 45 | 17 0 | 1 27 | 19 36 | 0 38 | 20 44 | 1 24 | 8 33 | 16 47 | 7 10 | 6 56 | 11 24 | 2 39 | 3 17 |
| M12 | 23 31 | 17 57 | 5 0 | 20 50 | 0 45 | 19 9 | 1 10 | 12 29 | 0 51 | 19 6 | 0 45 | 16 58 | 1 27 | 19 35 | 0 38 | 20 44 | 1 24 | 8 33 | 16 48 | 7 14 | 6 58 | 11 23 | 2 39 | 3 17 |
| T 13 | 23 32 | 18 50 | 4 43 | 21 11 | 0 37 | 19 27 | 1 7 | 12 42 | 0 50 | 19 5 | 0 45 | 16 56 | 1 27 | 19 35 | 0 38 | 20 45 | 1 24 | 8 33 | 16 48 | 7 19 | 6 59 | 11 21 | 2 38 | 3 16 |
| W14 | 23 33 | 18 29 | 4 8 | 21 32 | 0 29 | 19 44 | 1 5 | 12 55 | 0 50 | 19 4 | 0 44 | 16 55 | 1 27 | 19 34 | 0 38 | 20 45 | 1 24 | 8 33 | 16 49 | 7 23 | 7 0 | 11 20 | 2 38 | 3 16 |
| T 15 | 23 34 | 16 54 | 3 17 | 21 52 | 0 22 | 20 1 | 1 3 | 13 9 | 0 49 | 19 3 | 0 44 | 16 53 | 1 27 | 19 33 | 0 38 | 20 45 | 1 24 | 8 33 | 16 49 | 7 26 | 7 1 | 11 18 | 2 38 | 3 16 |
| F 16 | 23 34 | 14 13 | 2 12 | 22 11 | 0 14 | 20 17 | 1 1 | 13 22 | 0 49 | 19 2 | 0 44 | 16 51 | 1 27 | 19 32 | 0 38 | 20 45 | 1 24 | 8 33 | 16 50 | 7 28 | 7 2 | 11 17 | 2 38 | 3 16 |
| S 17 | 23 34 | 10 40 | 0 59 | 22 30 | 0 6 | 20 32 | 0 58 | 13 35 | 0 49 | 19 1 | 0 44 | 16 49 | 1 27 | 19 32 | 0 38 | 20 46 | 1 24 | 8 33 | 16 50 | 7 29 | 7 4 | 11 16 | 2 39 | 3 16 |
| S 18 | 23 33 | 6 31 | 0n17 | 22 47 | 0s 1 | 20 47 | 0 56 | 13 48 | 0 48 | 19 0 | 0 43 | 16 47 | 1 27 | 19 31 | 0 38 | 20 46 | 1 24 | 8 33 | 16 51 | 7 29 | 7 5 | 11 14 | 2 39 | 3 15 |
| M19 | 23 32 | 2 5 | 1 31 | 23 4 | 0 8 | 21 1 | 0 53 | 14 1 | 0 48 | 18 59 | 0 43 | 16 45 | 1 27 | 19 30 | 0 38 | 20 46 | 1 24 | 8 33 | 16 52 | 7 29 | 7 6 | 11 13 | 2 39 | 3 15 |
| T 20 | 23 30 | 2s24 | 2 38 | 23 19 | 0 16 | 21 15 | 0 51 | 14 13 | 0 47 | 18 58 | 0 43 | 16 44 | 1 27 | 19 29 | 0 38 | 20 47 | 1 24 | 8 33 | 16 52 | 7 29 | 7 7 | 11 11 | 2 39 | 3 15 |
| W21 | 23 28 | 6 40 | 3 35 | 23 33 | 0 23 | 21 28 | 0 48 | 14 26 | 0 47 | 18 57 | 0 43 | 16 42 | 1 27 | 19 28 | 0 38 | 20 47 | 1 24 | 8 34 | 16 53 | 7 30 | 7 9 | 11 10 | 2 39 | 3 15 |
| T 22 | 23 25 | 10 32 | 4 19 | 23 47 | 0 30 | 21 41 | 0 46 | 14 39 | 0 46 | 18 56 | 0 43 | 16 40 | 1 27 | 19 28 | 0 38 | 20 47 | 1 24 | 8 34 | 16 53 | 7 31 | 7 10 | 11 8 | 2 39 | 3 14 |
| F 23 | 23 22 | 13 48 | 4 48 | 23 59 | 0 36 | 21 52 | 0 43 | 14 51 | 0 46 | 18 55 | 0 42 | 16 38 | 1 26 | 19 27 | 0 38 | 20 48 | 1 24 | 8 34 | 16 54 | 7 34 | 7 11 | 11 7 | 2 39 | 3 14 |
| S 24 | 23 18 | 16 21 | 5 2 | 24 10 | 0 43 | 22 3 | 0 41 | 15 3 | 0 45 | 18 54 | 0 42 | 16 36 | 1 26 | 19 26 | 0 38 | 20 48 | 1 24 | 8 34 | 16 54 | 7 38 | 7 12 | 11 5 | 2 39 | 3 14 |
| S 25 | 23 14 | 18 2 | 5 1 | 24 19 | 0 49 | 22 14 | 0 38 | 15 16 | 0 45 | 18 53 | 0 42 | 16 34 | 1 26 | 19 25 | 0 38 | 20 48 | 1 24 | 8 34 | 16 55 | 7 42 | 7 13 | 11 4 | 2 40 | 3 14 |
| M26 | 23 9 | 18 49 | 4 45 | 24 28 | 0 55 | 22 24 | 0 36 | 15 28 | 0 44 | 18 53 | 0 42 | 16 32 | 1 26 | 19 24 | 0 38 | 20 48 | 1 24 | 8 35 | 16 55 | 7 46 | 7 15 | 11 2 | 2 40 | 3 13 |
| T 27 | 23 4 | 18 41 | 4 15 | 24 35 | 1 1 | 22 33 | 0 33 | 15 40 | 0 44 | 18 52 | 0 41 | 16 30 | 1 26 | 19 24 | 0 38 | 20 49 | 1 24 | 8 35 | 16 56 | 7 51 | 7 16 | 11 1 | 2 40 | 3 13 |
| W28 | 22 59 | 17 39 | 3 34 | 24 41 | 1 7 | 22 42 | 0 30 | 15 52 | 0 43 | 18 51 | 0 41 | 16 28 | 1 26 | 19 23 | 0 38 | 20 49 | 1 24 | 8 35 | 16 56 | 7 54 | 7 17 | 10 59 | 2 41 | 3 13 |
| T 29 | 22 53 | 15 51 | 2 44 | 24 46 | 1 13 | 22 49 | 0 28 | 16 4 | 0 43 | 18 51 | 0 41 | 16 26 | 1 26 | 19 22 | 0 38 | 20 49 | 1 24 | 8 35 | 16 57 | 7 57 | 7 18 | 10 58 | 2 41 | 3 13 |
| F 30 | 22 47 | 13 23 | 1 46 | 24 49 | 1 18 | 22 56 | 0 25 | 16 15 | 0 42 | 18 50 | 0 41 | 16 24 | 1 26 | 19 21 | 0 38 | 20 49 | 1 24 | 8 36 | 16 58 | 7 59 | 7 19 | 10 56 | 2 41 | 3 13 |
| S 31 | 22s40 | 10s24 | 0n45 | 24s51 | 1s23 | 23s 3 | 0n23 | 16s27 | 0n42 | 18n50 | 0s40 | 16s22 | 1s26 | 19s20 | 0s38 | 20s50 | 1n24 | 8n36 | 16n58 | 8n 0 | 7n21 | 10s55 | 2n42 | 3n12 |

Julian Day Number = 2083720.5, Delta T = 24m58s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'15, Lahiri = 9°49'15 Julian Calendar 1 Dec. 992 == Greg. Calendar 6 Dec. 992


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## JANUARY 993 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 3 16 | 16♑30'34 | 13♓ 0 | 6♑47 | 25♐ 8 | 18♏ 3 | 26°R29 | 19♒47 | 6♒37 | 11♐ 4 | 17♎59 | 9°D38 | 11♍18 | 28♒53 | 29♓24 | S 1 |
| M 2 | 7 7 12 | 17°31'39 | 24°48 | 8°23 | 26°23 | 18°42 | 26♉26 | 19°53 | 6°41 | 11° 6 | 17°59 | 9♍38 | 11°15 | 28°59 | 29°26 | M 2 |
| T 3 | 7 11 9 | 18°32'42 | 6♈42 | 9°59 | 27°38 | 19°21 | 26°24 | 20° 0 | 6°44 | 11° 8 | 18° 0 | 9°40 | 11°12 | 29° 6 | 29°28 | T 3 |
| W 4 | 7 15 5 | 19°33'44 | 18°48 | 11°36 | 28°53 | 20° 0 | 26°22 | 20° 6 | 6°48 | 11°10 | 18° 0 | 9°R40 | 11° 9 | 29°13 | 29°29 | W 4 |
| T 5 | 7 19 2 | 20°34'46 | 1♉11 | 13°13 | 0♑ 8 | 20°39 | 26°19 | 20°13 | 6°51 | 11°12 | 18° 0 | 9°40 | 11° 5 | 29°19 | 29°31 | T 5 |
| F 6 | 7 22 58 | 21°35'46 | 13°57 | 14°51 | 1°23 | 21°18 | 26°17 | 20°20 | 6°54 | 11°14 | 18° 1 | 9°37 | 11° 2 | 29°26 | 29°32 | F 6 |
| S 7 | 7 26 55 | 22°36'44 | 27° 9 | 16°30 | 2°38 | 21°56 | 26°16 | 20°27 | 6°58 | 11°16 | 18° 1 | 9°33 | 10°59 | 29°33 | 29°34 | S 7 |
| S 8 | 7 30 52 | 23°37'42 | 10♊49 | 18° 9 | 3°53 | 22°35 | 26°14 | 20°33 | 7° 1 | 11°17 | 18° 1 | 9°26 | 10°56 | 29°39 | 29°36 | S 8 |
| M 9 | 7 34 48 | 24°38'38 | 24°57 | 19°49 | 5° 8 | 23°14 | 26°13 | 20°40 | 7° 4 | 11°19 | 18° 1 | 9°19 | 10°53 | 29°46 | 29°38 | M 9 |
| T 10 | 7 38 45 | 25°39'34 | 9♋30 | 21°30 | 6°23 | 23°53 | 26°12 | 20°47 | 7° 8 | 11°21 | 18° 2 | 9°12 | 10°49 | 29°53 | 29°40 | T 10 |
| W11 | 7 42 41 | 26°40'27 | 24°22 | 23°11 | 7°38 | 24°32 | 26°11 | 20°54 | 7°11 | 11°23 | 18° 2 | 9° 5 | 10°46 | 29°59 | 29°42 | W11 |
| T 12 | 7 46 38 | 27°41'20 | 9♌24 | 24°53 | 8°53 | 25°11 | 26°10 | 21° 1 | 7°15 | 11°24 | 18° 2 | 9° 0 | 10°43 | 0♓ 6 | 29°44 | T 12 |
| F 13 | 7 50 34 | 28°42'12 | 24°27 | 26°36 | 10° 8 | 25°50 | 26° 9 | 21° 8 | 7°18 | 11°26 | 18° 2 | 8°58 | 10°40 | 0°13 | 29°46 | F 13 |
| S 14 | 7 54 31 | 29°43'02 | 9♍22 | 28°20 | 11°23 | 26°29 | 26° 9 | 21°15 | 7°22 | 11°28 | 18° 2 | 8°D57 | 10°37 | 0°19 | 29°48 | S 14 |
| S 15 | 7 58 27 | 0♒43'52 | 24° 3 | 0♒ 4 | 12°38 | 27° 8 | 26°D 9 | 21°22 | 7°25 | 11°30 | 18°R 2 | 8°57 | 10°34 | 0°26 | 29°50 | S 15 |
| M16 | 8 2 24 | 1°44'40 | 8♎24 | 1°49 | 13°53 | 27°47 | 26° 9 | 21°29 | 7°29 | 11°31 | 18° 2 | 8°59 | 10°30 | 0°32 | 29°52 | M16 |
| T 17 | 8 6 21 | 2°45'28 | 22°25 | 3°35 | 15° 8 | 28°26 | 26° 9 | 21°36 | 7°32 | 11°33 | 18° 2 | 9° 0 | 10°27 | 0°39 | 29°54 | T 17 |
| W18 | 8 10 17 | 3°46'14 | 6♏ 4 | 5°21 | 16°23 | 29° 5 | 26°10 | 21°43 | 7°36 | 11°34 | 18° 2 | 9°R 1 | 10°24 | 0°46 | 29°56 | W18 |
| T 19 | 8 14 14 | 4°47'00 | 19°23 | 7° 8 | 17°38 | 29°44 | 26°11 | 21°50 | 7°39 | 11°36 | 18° 2 | 9° 0 | 10°21 | 0°52 | 29°59 | T 19 |
| F 20 | 8 18 10 | 5°47'44 | 2♐24 | 8°56 | 18°52 | 0♐23 | 26°11 | 21°57 | 7°43 | 11°37 | 18° 2 | 8°57 | 10°18 | 0°59 | 0♈ 1 | F 20 |
| S 21 | 8 22 7 | 6°48'28 | 15° 9 | 10°45 | 20° 7 | 1° 2 | 26°13 | 22° 5 | 7°46 | 11°39 | 18° 1 | 8°53 | 10°15 | 1° 6 | 0° 3 | S 21 |
| S 22 | 8 26 3 | 7°49'10 | 27°41 | 12°34 | 21°22 | 1°41 | 26°14 | 22°12 | 7°50 | 11°40 | 18° 1 | 8°48 | 10°11 | 1°12 | 0° 6 | S 22 |
| M23 | 8 30 0 | 8°49'51 | 10♑ 1 | 14°23 | 22°37 | 2°20 | 26°15 | 22°19 | 7°53 | 11°42 | 18° 1 | 8°42 | 10° 8 | 1°19 | 0° 8 | M23 |
| T 24 | 8 33 56 | 9°50'30 | 22°10 | 16°14 | 23°52 | 2°59 | 26°17 | 22°26 | 7°56 | 11°43 | 18° 0 | 8°37 | 10° 5 | 1°26 | 0°11 | T 24 |
| W25 | 8 37 53 | 10°51'08 | 4♒12 | 18° 4 | 25° 7 | 3°38 | 26°19 | 22°33 | 8° 0 | 11°45 | 18° 0 | 8°32 | 10° 2 | 1°32 | 0°13 | W25 |
| T 26 | 8 41 50 | 11°51'45 | 16° 7 | 19°55 | 26°22 | 4°17 | 26°21 | 22°41 | 8° 3 | 11°46 | 18° 0 | 8°29 | 9°59 | 1°39 | 0°16 | T 26 |
| F 27 | 8 45 46 | 12°52'20 | 27°57 | 21°45 | 27°37 | 4°56 | 26°23 | 22°48 | 8° 7 | 11°47 | 17°59 | 8°27 | 9°55 | 1°46 | 0°18 | F 27 |
| S 28 | 8 49 43 | 13°52'53 | 9♓44 | 23°36 | 28°52 | 5°35 | 26°26 | 22°55 | 8°10 | 11°49 | 17°59 | 8°D27 | 9°52 | 1°52 | 0°21 | S 28 |
| S 29 | 8 53 39 | 14°53'24 | 21°30 | 25°26 | 0♒ 7 | 6°13 | 26°28 | 23° 3 | 8°14 | 11°50 | 17°58 | 8°27 | 9°49 | 1°59 | 0°24 | S 29 |
| M30 | 8 57 36 | 15°53'54 | 3♈20 | 27°16 | 1°22 | 6°52 | 26°31 | 23°10 | 8°17 | 11°51 | 17°58 | 8°29 | 9°46 | 2° 5 | 0°26 | M30 |
| T 31 | 9 1 32 | 16♒54'21 | 15♈16 | 29♒ 5 | 2♒36 | 7♐31 | 26♉34 | 23♒17 | 8♒21 | 11♐52 | 17♎57 | 8♍30 | 9♍43 | 2♓12 | 0♈29 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s32 | 7s 0 | 0s18 | 24s51 | 1s28 | 23s 9 | 0n20 | 16s38 | 0n41 | 18n49 | 0s40 | 16s20 | 1s26 | 19s19 | 0s38 | 20s50 | 1n24 | 8n36 | 16n59 | 8n 0 | 7n22 | 10s53 | 2n42 | 3n12 |
| M 2 | 22 25 | 3 19 | 1 21 | 24 50 | 1 32 | 23 14 | 0 17 | 16 50 | 0 41 | 18 49 | 0 40 | 16 18 | 1 26 | 19 19 | 0 38 | 20 50 | 1 24 | 8 37 | 16 59 | 8 0 | 7 23 | 10 52 | 2 42 | 3 12 |
| T 3 | 22 17 | 0n31 | 2 21 | 24 48 | 1 37 | 23 18 | 0 15 | 17 1 | 0 40 | 18 49 | 0 40 | 16 15 | 1 26 | 19 18 | 0 38 | 20 50 | 1 24 | 8 37 | 17 0 | 7 59 | 7 24 | 10 50 | 2 43 | 3 12 |
| W 4 | 22 8 | 4 23 | 3 16 | 24 44 | 1 41 | 23 22 | 0 12 | 17 12 | 0 39 | 18 48 | 0 39 | 16 13 | 1 26 | 19 17 | 0 38 | 20 51 | 1 24 | 8 37 | 17 0 | 7 59 | 7 26 | 10 49 | 2 43 | 3 11 |
| T 5 | 21 59 | 8 10 | 4 2 | 24 38 | 1 45 | 23 25 | 0 9 | 17 23 | 0 39 | 18 48 | 0 39 | 16 11 | 1 26 | 19 16 | 0 38 | 20 51 | 1 24 | 8 38 | 17 1 | 7 59 | 7 27 | 10 47 | 2 44 | 3 11 |
| F 6 | 21 49 | 11 40 | 4 39 | 24 31 | 1 48 | 23 27 | 0 7 | 17 34 | 0 38 | 18 48 | 0 39 | 16 9 | 1 26 | 19 15 | 0 38 | 20 51 | 1 24 | 8 38 | 17 2 | 8 0 | 7 28 | 10 46 | 2 44 | 3 11 |
| S 7 | 21 40 | 14 44 | 5 2 | 24 23 | 1 51 | 23 28 | 0 4 | 17 45 | 0 38 | 18 48 | 0 39 | 16 7 | 1 26 | 19 14 | 0 38 | 20 51 | 1 24 | 8 39 | 17 2 | 8 2 | 7 29 | 10 44 | 2 45 | 3 11 |
| S 8 | 21 29 | 17 5 | 5 9 | 24 13 | 1 54 | 23 29 | 0 2 | 17 55 | 0 37 | 18 47 | 0 38 | 16 5 | 1 26 | 19 13 | 0 38 | 20 52 | 1 24 | 8 39 | 17 3 | 8 4 | 7 30 | 10 43 | 2 45 | 3 11 |
| M 9 | 21 19 | 18 31 | 4 58 | 24 1 | 1 56 | 23 29 | 0s 1 | 18 6 | 0 36 | 18 47 | 0 38 | 16 2 | 1 26 | 19 13 | 0 38 | 20 52 | 1 24 | 8 39 | 17 3 | 8 7 | 7 32 | 10 41 | 2 46 | 3 10 |
| T 10 | 21 7 | 18 47 | 4 27 | 23 47 | 1 59 | 23 28 | 0 4 | 18 16 | 0 36 | 18 47 | 0 38 | 16 0 | 1 26 | 19 12 | 0 38 | 20 52 | 1 25 | 8 40 | 17 4 | 8 10 | 7 33 | 10 40 | 2 46 | 3 10 |
| W11 | 20 56 | 17 47 | 3 38 | 23 32 | 2 0 | 23 27 | 0 6 | 18 26 | 0 35 | 18 47 | 0 38 | 15 58 | 1 26 | 19 11 | 0 38 | 20 52 | 1 25 | 8 40 | 17 4 | 8 12 | 7 34 | 10 38 | 2 47 | 3 10 |
| T 12 | 20 44 | 15 32 | 2 34 | 23 16 | 2 2 | 23 25 | 0 9 | 18 36 | 0 35 | 18 47 | 0 38 | 15 56 | 1 26 | 19 10 | 0 38 | 20 52 | 1 25 | 8 41 | 17 5 | 8 14 | 7 35 | 10 36 | 2 47 | 3 10 |
| F 13 | 20 32 | 12 13 | 1 18 | 22 57 | 2 3 | 23 22 | 0 11 | 18 46 | 0 34 | 18 48 | 0 37 | 15 53 | 1 26 | 19 9 | 0 38 | 20 53 | 1 25 | 8 41 | 17 6 | 8 15 | 7 36 | 10 35 | 2 48 | 3 10 |
| S 14 | 20 19 | 8 8 | 0n 2 | 22 37 | 2 3 | 23 18 | 0 14 | 18 56 | 0 33 | 18 48 | 0 37 | 15 51 | 1 26 | 19 8 | 0 38 | 20 53 | 1 25 | 8 42 | 17 6 | 8 16 | 7 38 | 10 33 | 2 49 | 3 9 |
| S 15 | 20 6 | 3 37 | 1 21 | 22 15 | 2 4 | 23 14 | 0 16 | 19 6 | 0 33 | 18 48 | 0 37 | 15 49 | 1 26 | 19 7 | 0 38 | 20 53 | 1 25 | 8 42 | 17 7 | 8 15 | 7 39 | 10 32 | 2 49 | 3 9 |
| M16 | 19 53 | 1s 0 | 2 34 | 21 52 | 2 3 | 23 9 | 0 19 | 19 15 | 0 32 | 18 48 | 0 37 | 15 47 | 1 26 | 19 6 | 0 38 | 20 53 | 1 25 | 8 43 | 17 7 | 8 15 | 7 40 | 10 30 | 2 50 | 3 9 |
| T 17 | 19 39 | 5 27 | 3 35 | 21 26 | 2 3 | 23 3 | 0 21 | 19 25 | 0 31 | 18 48 | 0 36 | 15 44 | 1 26 | 19 6 | 0 38 | 20 53 | 1 25 | 8 43 | 17 8 | 8 14 | 7 41 | 10 29 | 2 51 | 3 9 |
| W18 | 19 25 | 9 29 | 4 23 | 20 59 | 2 1 | 22 57 | 0 24 | 19 34 | 0 30 | 18 49 | 0 36 | 15 42 | 1 26 | 19 5 | 0 38 | 20 54 | 1 25 | 8 44 | 17 8 | 8 14 | 7 42 | 10 27 | 2 51 | 3 9 |
| T 19 | 19 10 | 12 57 | 4 54 | 20 31 | 2 0 | 22 50 | 0 26 | 19 43 | 0 30 | 18 49 | 0 36 | 15 40 | 1 26 | 19 4 | 0 38 | 20 54 | 1 25 | 8 45 | 17 9 | 8 14 | 7 44 | 10 26 | 2 52 | 3 8 |
| F 20 | 18 55 | 15 41 | 5 10 | 20 0 | 1 57 | 22 42 | 0 28 | 19 52 | 0 29 | 18 50 | 0 36 | 15 37 | 1 26 | 19 3 | 0 38 | 20 54 | 1 25 | 8 45 | 17 9 | 8 15 | 7 45 | 10 24 | 2 53 | 3 8 |
| S 21 | 18 40 | 17 35 | 5 11 | 19 28 | 1 55 | 22 33 | 0 31 | 20 1 | 0 28 | 18 50 | 0 35 | 15 35 | 1 26 | 19 2 | 0 38 | 20 54 | 1 25 | 8 46 | 17 10 | 8 17 | 7 46 | 10 23 | 2 54 | 3 8 |
| S 22 | 18 25 | 18 37 | 4 56 | 18 54 | 1 51 | 22 24 | 0 33 | 20 9 | 0 28 | 18 51 | 0 35 | 15 33 | 1 26 | 19 1 | 0 38 | 20 54 | 1 25 | 8 46 | 17 10 | 8 19 | 7 47 | 10 21 | 2 54 | 3 8 |
| M23 | 18 9 | 18 45 | 4 27 | 18 19 | 1 47 | 22 14 | 0 35 | 20 18 | 0 27 | 18 51 | 0 35 | 15 30 | 1 26 | 19 0 | 0 38 | 20 54 | 1 25 | 8 47 | 17 11 | 8 21 | 7 48 | 10 20 | 2 55 | 3 8 |
| T 24 | 17 53 | 18 0 | 3 47 | 17 42 | 1 43 | 22 4 | 0 37 | 20 26 | 0 26 | 18 52 | 0 35 | 15 28 | 1 26 | 18 59 | 0 38 | 20 55 | 1 25 | 8 48 | 17 12 | 8 23 | 7 50 | 10 18 | 2 56 | 3 7 |
| W25 | 17 36 | 16 26 | 2 57 | 17 3 | 1 38 | 21 52 | 0 40 | 20 35 | 0 25 | 18 52 | 0 34 | 15 26 | 1 26 | 18 58 | 0 38 | 20 55 | 1 25 | 8 48 | 17 12 | 8 25 | 7 51 | 10 16 | 2 57 | 3 7 |
| T 26 | 17 19 | 14 11 | 2 0 | 16 23 | 1 32 | 21 41 | 0 42 | 20 43 | 0 25 | 18 53 | 0 34 | 15 23 | 1 26 | 18 57 | 0 38 | 20 55 | 1 25 | 8 49 | 17 13 | 8 26 | 7 52 | 10 15 | 2 58 | 3 7 |
| F 27 | 17 2 | 11 21 | 0 58 | 15 41 | 1 26 | 21 28 | 0 44 | 20 51 | 0 24 | 18 54 | 0 34 | 15 21 | 1 27 | 18 57 | 0 38 | 20 55 | 1 25 | 8 49 | 17 13 | 8 27 | 7 53 | 10 13 | 2 59 | 3 7 |
| S 28 | 16 45 | 8 4 | 0s 7 | 14 58 | 1 19 | 21 15 | 0 46 | 20 58 | 0 23 | 18 55 | 0 34 | 15 19 | 1 27 | 18 56 | 0 38 | 20 55 | 1 25 | 8 50 | 17 14 | 8 27 | 7 55 | 10 12 | 3 0 | 3 7 |
| S 29 | 16 27 | 4 29 | 1 12 | 14 13 | 1 11 | 21 1 | 0 48 | 21 6 | 0 22 | 18 56 | 0 34 | 15 16 | 1 27 | 18 55 | 0 38 | 20 55 | 1 25 | 8 51 | 17 14 | 8 27 | 7 56 | 10 10 | 3 0 | 3 7 |
| M30 | 16 9 | 0 42 | 2 13 | 13 28 | 1 3 | 20 47 | 0 50 | 21 13 | 0 21 | 18 57 | 0 33 | 15 14 | 1 27 | 18 54 | 0 38 | 20 55 | 1 25 | 8 51 | 17 15 | 8 26 | 7 57 | 10 9 | 3 1 | 3 6 |
| T 31 | 15s51 | 3n 7 | 3s10 | 12s41 | 0s54 | 20s32 | 0s52 | 21s21 | 0n21 | 18n57 | 0s33 | 15s12 | 1s27 | 18s53 | 0s38 | 20s56 | 1n25 | 8n52 | 17n15 | 8n25 | 7n58 | 10s 7 | 3n 2 | 3n 6 |

Julian Day Number = 2083751.5, Delta T = 24m58s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'19, Lahiri = 9°49'19 Julian Calendar 1 Jan. 993 == Greg. Calendar 6 Jan. 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## FEBRUARY 993 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 5 29 | 17♒54'47 | 27♈22 | 0♓53 | 3♒51 | 8♐10 | 26♉38 | 23♒25 | 8♒24 | 11♐53 | 17°R57 | 8♍32 | 9♍40 | 2♓19 | 0♈32 | W 1 |
| T 2 | 9 9 25 | 18°55'11 | 9♉44 | 2°39 | 5° 6 | 8°49 | 26°41 | 23°32 | 8°28 | 11°55 | 17♎56 | 8°33 | 9°36 | 2°25 | 0°34 | T 2 |
| F 3 | 9 13 22 | 19°55'33 | 22°25 | 4°23 | 6°21 | 9°28 | 26°45 | 23°39 | 8°31 | 11°56 | 17°55 | 8°R33 | 9°33 | 2°32 | 0°37 | F 3 |
| S 4 | 9 17 19 | 20°55'53 | 5♊29 | 6° 5 | 7°36 | 10° 6 | 26°49 | 23°47 | 8°35 | 11°57 | 17°55 | 8°33 | 9°30 | 2°39 | 0°40 | S 4 |
| S 5 | 9 21 15 | 21°56'11 | 19° 1 | 7°44 | 8°51 | 10°45 | 26°53 | 23°54 | 8°38 | 11°58 | 17°54 | 8°31 | 9°27 | 2°45 | 0°43 | S 5 |
| M 6 | 9 25 12 | 22°56'27 | 3♋ 0 | 9°19 | 10° 5 | 11°24 | 26°57 | 24° 1 | 8°41 | 11°59 | 17°53 | 8°29 | 9°24 | 2°52 | 0°46 | M 6 |
| T 7 | 9 29 8 | 23°56'41 | 17°27 | 10°50 | 11°20 | 12° 3 | 27° 1 | 24° 9 | 8°45 | 12° 0 | 17°53 | 8°27 | 9°21 | 2°59 | 0°49 | T 7 |
| W 8 | 9 33 5 | 24°56'52 | 2♌16 | 12°17 | 12°35 | 12°42 | 27° 6 | 24°16 | 8°48 | 12° 1 | 17°52 | 8°26 | 9°17 | 3° 5 | 0°52 | W 8 |
| T 9 | 9 37 1 | 25°57'02 | 17°23 | 13°38 | 13°50 | 13°20 | 27°10 | 24°23 | 8°52 | 12° 2 | 17°51 | 8°25 | 9°14 | 3°12 | 0°55 | T 9 |
| F 10 | 9 40 58 | 26°57'10 | 2♍36 | 14°54 | 15° 5 | 13°59 | 27°15 | 24°31 | 8°55 | 12° 3 | 17°50 | 8°D24 | 9°11 | 3°19 | 0°58 | F 10 |
| S 11 | 9 44 54 | 27°57'16 | 17°48 | 16° 3 | 16°19 | 14°38 | 27°20 | 24°38 | 8°58 | 12° 4 | 17°49 | 8°24 | 9° 8 | 3°25 | 1° 1 | S 11 |
| S 12 | 9 48 51 | 28°57'20 | 2♎48 | 17° 5 | 17°34 | 15°16 | 27°25 | 24°45 | 9° 2 | 12° 5 | 17°48 | 8°25 | 9° 5 | 3°32 | 1° 4 | S 12 |
| M13 | 9 52 48 | 29°57'22 | 17°29 | 18° 0 | 18°49 | 15°55 | 27°31 | 24°53 | 9° 5 | 12° 5 | 17°47 | 8°25 | 9° 1 | 3°39 | 1° 7 | M13 |
| T 14 | 9 56 44 | 0♓57'23 | 1♏46 | 18°47 | 20° 3 | 16°34 | 27°36 | 25° 0 | 9° 8 | 12° 6 | 17°46 | 8°26 | 8°58 | 3°45 | 1°10 | T 14 |
| W15 | 10 0 41 | 1°57'22 | 15°36 | 19°25 | 21°18 | 17°12 | 27°42 | 25° 7 | 9°11 | 12° 7 | 17°45 | 8°27 | 8°55 | 3°52 | 1°13 | W15 |
| T 16 | 10 4 37 | 2°57'19 | 29° 1 | 19°55 | 22°33 | 17°51 | 27°48 | 25°15 | 9°15 | 12° 8 | 17°44 | 8°R27 | 8°52 | 3°58 | 1°17 | T 16 |
| F 17 | 10 8 34 | 3°57'15 | 12♐ 2 | 20°16 | 23°48 | 18°30 | 27°54 | 25°22 | 9°18 | 12° 8 | 17°43 | 8°27 | 8°49 | 4° 5 | 1°20 | F 17 |
| S 18 | 10 12 30 | 4°57'09 | 24°43 | 20°28 | 25° 2 | 19° 8 | 28° 0 | 25°29 | 9°21 | 12° 9 | 17°42 | 8°27 | 8°46 | 4°12 | 1°23 | S 18 |
| S 19 | 10 16 27 | 5°57'01 | 7♑ 6 | 20°R32 | 26°17 | 19°47 | 28° 7 | 25°36 | 9°24 | 12°10 | 17°41 | 8°26 | 8°42 | 4°18 | 1°26 | S 19 |
| M20 | 10 20 23 | 6°56'52 | 19°15 | 20°26 | 27°32 | 20°25 | 28°13 | 25°44 | 9°28 | 12°10 | 17°40 | 8°26 | 8°39 | 4°25 | 1°30 | M20 |
| T 21 | 10 24 20 | 7°56'41 | 1♒15 | 20°13 | 28°46 | 21° 4 | 28°20 | 25°51 | 9°31 | 12°11 | 17°39 | 8°D26 | 8°36 | 4°32 | 1°33 | T 21 |
| W22 | 10 28 17 | 8°56'28 | 13° 7 | 19°51 | 0♓ 1 | 21°42 | 28°27 | 25°58 | 9°34 | 12°11 | 17°37 | 8°26 | 8°33 | 4°38 | 1°36 | W22 |
| T 23 | 10 32 13 | 9°56'12 | 24°55 | 19°22 | 1°16 | 22°21 | 28°34 | 26° 5 | 9°37 | 12°12 | 17°36 | 8°26 | 8°30 | 4°45 | 1°40 | T 23 |
| F 24 | 10 36 10 | 10°55'55 | 6♓42 | 18°46 | 2°30 | 22°59 | 28°41 | 26°13 | 9°40 | 12°12 | 17°35 | 8°R26 | 8°26 | 4°52 | 1°43 | F 24 |
| S 25 | 10 40 6 | 11°55'36 | 18°30 | 18° 4 | 3°45 | 23°38 | 28°48 | 26°20 | 9°43 | 12°13 | 17°34 | 8°26 | 8°23 | 4°58 | 1°46 | S 25 |
| S 26 | 10 44 3 | 12°55'15 | 0♈21 | 17°18 | 5° 0 | 24°16 | 28°55 | 26°27 | 9°46 | 12°13 | 17°32 | 8°26 | 8°20 | 5° 5 | 1°50 | S 26 |
| M27 | 10 47 59 | 13°54'52 | 12°16 | 16°28 | 6°14 | 24°55 | 29° 3 | 26°34 | 9°49 | 12°13 | 17°31 | 8°25 | 8°17 | 5°12 | 1°53 | M27 |
| T 28 | 10 51 56 | 14♓54'26 | 24♈19 | 15♓35 | 7♓29 | 25♐33 | 29♉11 | 26♒41 | 9♒52 | 12♐14 | 17♎30 | 8♍24 | 8♍14 | 5♓18 | 1♈56 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 15s33 | 6n53 | 3s59 | 11s54 | 0s44 | 20s16 | 0s54 | 21s28 | 0n20 | 18n58 | 0s33 | 15s 9 | 1s27 | 18s52 | 0s38 | 20s56 | 1n25 | 8n53 | 17n16 | 8n25 | 7n59 | 10s 5 | 3n 3 | 3n 6 | W 1 |
| T 2 | 15 14 | 10 25 | 4 38 | 11 6 | 0 33 | 20 0 | 0 56 | 21 35 | 0 19 | 18 59 | 0 33 | 15 7 | 1 27 | 18 51 | 0 38 | 20 56 | 1 25 | 8 53 | 17 16 | 8 24 | 8 1 | 10 4 | 3 4 | 3 6 | T 2 |
| F 3 | 14 55 | 13 34 | 5 4 | 10 18 | 0 22 | 19 43 | 0 58 | 21 42 | 0 18 | 19 0 | 0 32 | 15 4 | 1 27 | 18 50 | 0 38 | 20 56 | 1 25 | 8 54 | 17 17 | 8 24 | 8 2 | 10 2 | 3 5 | 3 6 | F 3 |
| S 4 | 14 36 | 16 9 | 5 16 | 9 29 | 0 10 | 19 26 | 0 59 | 21 48 | 0 17 | 19 2 | 0 32 | 15 2 | 1 27 | 18 49 | 0 38 | 20 56 | 1 25 | 8 55 | 17 17 | 8 25 | 8 3 | 10 1 | 3 6 | 3 6 | S 4 |
| S 5 | 14 16 | 17 56 | 5 11 | 8 41 | 0n 2 | 19 8 | 1 1 | 21 55 | 0 16 | 19 3 | 0 32 | 15 0 | 1 27 | 18 48 | 0 38 | 20 56 | 1 25 | 8 56 | 17 18 | 8 25 | 8 4 | 9 59 | 3 7 | 3 5 | S 5 |
| M 6 | 13 57 | 18 44 | 4 48 | 7 53 | 0 15 | 18 49 | 1 3 | 22 1 | 0 15 | 19 4 | 0 32 | 14 57 | 1 27 | 18 48 | 0 38 | 20 56 | 1 25 | 8 56 | 17 18 | 8 26 | 8 5 | 9 58 | 3 8 | 3 5 | M 6 |
| T 7 | 13 37 | 18 21 | 4 7 | 7 6 | 0 28 | 18 30 | 1 4 | 22 7 | 0 14 | 19 5 | 0 32 | 14 55 | 1 27 | 18 47 | 0 38 | 20 56 | 1 25 | 8 57 | 17 19 | 8 27 | 8 7 | 9 56 | 3 9 | 3 5 | T 7 |
| W 8 | 13 17 | 16 43 | 3 7 | 6 21 | 0 42 | 18 11 | 1 6 | 22 13 | 0 13 | 19 6 | 0 31 | 14 52 | 1 27 | 18 46 | 0 38 | 20 56 | 1 25 | 8 58 | 17 19 | 8 27 | 8 8 | 9 54 | 3 10 | 3 5 | W 8 |
| T 9 | 12 56 | 13 54 | 1 54 | 5 36 | 0 56 | 17 51 | 1 8 | 22 19 | 0 13 | 19 8 | 0 31 | 14 50 | 1 27 | 18 45 | 0 38 | 20 56 | 1 26 | 8 58 | 17 20 | 8 28 | 8 9 | 9 53 | 3 11 | 3 5 | T 9 |
| F 10 | 12 36 | 10 6 | 0 32 | 4 54 | 1 11 | 17 30 | 1 9 | 22 25 | 0 12 | 19 9 | 0 31 | 14 47 | 1 27 | 18 44 | 0 38 | 20 57 | 1 26 | 8 59 | 17 20 | 8 28 | 8 10 | 9 51 | 3 12 | 3 5 | F 10 |
| S 11 | 12 15 | 5 39 | 0n52 | 4 13 | 1 25 | 17 9 | 1 10 | 22 30 | 0 11 | 19 10 | 0 31 | 14 45 | 1 27 | 18 43 | 0 38 | 20 57 | 1 26 | 9 0 | 17 21 | 8 28 | 8 11 | 9 50 | 3 14 | 3 5 | S 11 |
| S 12 | 11 54 | 0 54 | 2 12 | 3 36 | 1 40 | 16 47 | 1 12 | 22 35 | 0 10 | 19 12 | 0 30 | 14 43 | 1 27 | 18 42 | 0 38 | 20 57 | 1 26 | 9 1 | 17 21 | 8 28 | 8 13 | 9 48 | 3 15 | 3 4 | S 12 |
| M13 | 11 33 | 3s48 | 3 21 | 3 1 | 1 54 | 16 25 | 1 13 | 22 40 | 0 9 | 19 13 | 0 30 | 14 40 | 1 27 | 18 41 | 0 38 | 20 57 | 1 26 | 9 1 | 17 21 | 8 27 | 8 14 | 9 46 | 3 16 | 3 4 | M13 |
| T 14 | 11 12 | 8 9 | 4 15 | 2 30 | 2 8 | 16 3 | 1 14 | 22 45 | 0 8 | 19 15 | 0 30 | 14 38 | 1 27 | 18 41 | 0 38 | 20 57 | 1 26 | 9 2 | 17 22 | 8 27 | 8 15 | 9 45 | 3 17 | 3 4 | T 14 |
| W15 | 10 50 | 11 55 | 4 53 | 2 2 | 2 22 | 15 40 | 1 15 | 22 50 | 0 7 | 19 16 | 0 30 | 14 35 | 1 28 | 18 40 | 0 38 | 20 57 | 1 26 | 9 3 | 17 22 | 8 27 | 8 16 | 9 43 | 3 18 | 3 4 | W15 |
| T 16 | 10 28 | 14 56 | 5 14 | 1 38 | 2 35 | 15 17 | 1 17 | 22 55 | 0 6 | 19 18 | 0 30 | 14 33 | 1 28 | 18 39 | 0 38 | 20 57 | 1 26 | 9 4 | 17 23 | 8 27 | 8 17 | 9 42 | 3 19 | 3 4 | T 16 |
| F 17 | 10 7 | 17 7 | 5 17 | 1 19 | 2 47 | 14 53 | 1 18 | 22 59 | 0 5 | 19 19 | 0 29 | 14 31 | 1 28 | 18 38 | 0 38 | 20 57 | 1 26 | 9 5 | 17 23 | 8 27 | 8 19 | 9 40 | 3 20 | 3 4 | F 17 |
| S 18 | 9 45 | 18 23 | 5 5 | 1 3 | 2 59 | 14 29 | 1 19 | 23 4 | 0 4 | 19 21 | 0 29 | 14 28 | 1 28 | 18 37 | 0 38 | 20 57 | 1 26 | 9 5 | 17 24 | 8 27 | 8 20 | 9 38 | 3 22 | 3 4 | S 18 |
| S 19 | 9 23 | 18 44 | 4 39 | 0 53 | 3 9 | 14 4 | 1 20 | 23 8 | 0 3 | 19 22 | 0 29 | 14 26 | 1 28 | 18 36 | 0 38 | 20 57 | 1 26 | 9 6 | 17 24 | 8 27 | 8 21 | 9 37 | 3 23 | 3 3 | S 19 |
| M20 | 9 0 | 18 12 | 4 1 | 0 46 | 3 18 | 13 39 | 1 21 | 23 12 | 0 1 | 19 24 | 0 29 | 14 23 | 1 28 | 18 35 | 0 38 | 20 57 | 1 26 | 9 7 | 17 24 | 8 27 | 8 22 | 9 35 | 3 24 | 3 3 | M20 |
| T 21 | 8 38 | 16 51 | 3 13 | 0 45 | 3 26 | 13 14 | 1 21 | 23 16 | 0 0 | 19 26 | 0 29 | 14 21 | 1 28 | 18 35 | 0 38 | 20 57 | 1 26 | 9 8 | 17 25 | 8 27 | 8 23 | 9 34 | 3 25 | 3 3 | T 21 |
| W22 | 8 16 | 14 47 | 2 16 | 0 48 | 3 32 | 12 48 | 1 22 | 23 19 | 0s 1 | 19 28 | 0 28 | 14 19 | 1 28 | 18 34 | 0 38 | 20 57 | 1 26 | 9 8 | 17 25 | 8 27 | 8 25 | 9 32 | 3 26 | 3 3 | W22 |
| T 23 | 7 53 | 12 7 | 1 14 | 0 55 | 3 36 | 12 22 | 1 23 | 23 23 | 0 2 | 19 29 | 0 28 | 14 16 | 1 28 | 18 33 | 0 38 | 20 57 | 1 26 | 9 9 | 17 25 | 8 27 | 8 26 | 9 30 | 3 28 | 3 3 | T 23 |
| F 24 | 7 30 | 8 57 | 0 10 | 1 7 | 3 39 | 11 56 | 1 23 | 23 26 | 0 3 | 19 31 | 0 28 | 14 14 | 1 28 | 18 32 | 0 38 | 20 57 | 1 26 | 9 10 | 17 26 | 8 27 | 8 27 | 9 29 | 3 29 | 3 3 | F 24 |
| S 25 | 7 8 | 5 26 | 0s56 | 1 22 | 3 40 | 11 29 | 1 24 | 23 29 | 0 4 | 19 33 | 0 28 | 14 11 | 1 28 | 18 31 | 0 38 | 20 57 | 1 26 | 9 11 | 17 26 | 8 27 | 8 28 | 9 27 | 3 30 | 3 3 | S 25 |
| S 26 | 6 45 | 1 41 | 1 59 | 1 41 | 3 39 | 11 2 | 1 24 | 23 32 | 0 5 | 19 35 | 0 28 | 14 9 | 1 28 | 18 31 | 0 38 | 20 57 | 1 26 | 9 12 | 17 26 | 8 27 | 8 29 | 9 26 | 3 31 | 3 3 | S 26 |
| M27 | 6 22 | 2n 9 | 2 57 | 2 4 | 3 35 | 10 35 | 1 25 | 23 35 | 0 7 | 19 36 | 0 27 | 14 7 | 1 29 | 18 30 | 0 38 | 20 57 | 1 26 | 9 12 | 17 27 | 8 27 | 8 30 | 9 24 | 3 33 | 3 3 | M27 |
| T 28 | 5s59 | 5n56 | 3s49 | 2s29 | 3n30 | 10s 8 | 1s25 | 23s37 | 0s 8 | 19n38 | 0s27 | 14s 4 | 1s29 | 18s29 | 0s38 | 20s57 | 1n26 | 9n13 | 17n27 | 8n28 | 8n32 | 9s22 | 3n34 | 3n 2 | T 28 |

Julian Day Number = 2083782.5, Delta T = 24m57s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'23, Lahiri = 9°49'23 Julian Calendar 1 Feb. 993 == Greg. Calendar 6 Feb. 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## MARCH 993 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 55 52 | 15♓53'58 | 6♉33 | 14°R41 | 8♓43 | 26♐11 | 29♉19 | 26♒48 | 9♒55 | 12♐14 | 17°R28 | 8°R23 | 8♍11 | 5♓25 | 2♈ 0 | W 1 |
| T 2 | 10 59 49 | 16°53'28 | 18°59 | 13♓46 | 9°58 | 26°49 | 29°27 | 26°55 | 9°58 | 12°14 | 17♎27 | 8♍22 | 8° 7 | 5°31 | 2° 3 | T 2 |
| F 3 | 11 3 45 | 17°52'56 | 1♊41 | 12°53 | 11°12 | 27°28 | 29°35 | 27° 3 | 10° 1 | 12°14 | 17°26 | 8°22 | 8° 4 | 5°38 | 2° 7 | F 3 |
| S 4 | 11 7 42 | 18°52'21 | 14°43 | 12° 1 | 12°27 | 28° 6 | 29°43 | 27°10 | 10° 4 | 12°15 | 17°24 | 8°D21 | 8° 1 | 5°45 | 2°10 | S 4 |
| S 5 | 11 11 39 | 19°51'44 | 28° 6 | 11°13 | 13°41 | 28°44 | 29°51 | 27°17 | 10° 7 | 12°15 | 17°23 | 8°21 | 7°58 | 5°51 | 2°14 | S 5 |
| M 6 | 11 15 35 | 20°51'04 | 11♋53 | 10°27 | 14°56 | 29°22 | 29°59 | 27°24 | 10°10 | 12°15 | 17°21 | 8°22 | 7°55 | 5°58 | 2°17 | M 6 |
| T 7 | 11 19 32 | 21°50'23 | 26° 5 | 9°46 | 16°10 | 0♌ 0 | 0♊ 8 | 27°30 | 10°13 | 12°15 | 17°20 | 8°23 | 7°52 | 6° 5 | 2°21 | T 7 |
| W 8 | 11 23 28 | 22°49'38 | 10♌39 | 9°10 | 17°25 | 0°38 | 0°17 | 27°37 | 10°16 | 12°15 | 17°18 | 8°24 | 7°48 | 6°11 | 2°24 | W 8 |
| T 9 | 11 27 25 | 23°48'52 | 25°32 | 8°40 | 18°39 | 1°16 | 0°26 | 27°44 | 10°18 | 12°R15 | 17°17 | 8°25 | 7°45 | 6°18 | 2°27 | T 9 |
| F 10 | 11 31 21 | 24°48'03 | 10♍38 | 8°14 | 19°54 | 1°54 | 0°35 | 27°51 | 10°21 | 12°15 | 17°15 | 8°R25 | 7°42 | 6°25 | 2°31 | F 10 |
| S 11 | 11 35 18 | 25°47'12 | 25°48 | 7°54 | 21° 8 | 2°32 | 0°44 | 27°58 | 10°24 | 12°15 | 17°14 | 8°24 | 7°39 | 6°31 | 2°34 | S 11 |
| S 12 | 11 39 14 | 26°46'19 | 10♎53 | 7°40 | 22°22 | 3°10 | 0°54 | 28° 5 | 10°26 | 12°15 | 17°12 | 8°23 | 7°36 | 6°38 | 2°38 | S 12 |
| M13 | 11 43 11 | 27°45'24 | 25°43 | 7°32 | 23°37 | 3°48 | 1° 3 | 28°11 | 10°29 | 12°15 | 17°11 | 8°21 | 7°32 | 6°45 | 2°42 | M13 |
| T 14 | 11 47 8 | 28°44'27 | 10♏12 | 7°D30 | 24°51 | 4°26 | 1°12 | 28°18 | 10°32 | 12°15 | 17° 9 | 8°18 | 7°29 | 6°51 | 2°45 | T 14 |
| W15 | 11 51 4 | 29°43'28 | 24°15 | 7°32 | 26° 6 | 5° 4 | 1°22 | 28°25 | 10°34 | 12°14 | 17° 7 | 8°15 | 7°26 | 6°58 | 2°49 | W15 |
| T 16 | 11 55 1 | 0♈42'27 | 7♐49 | 7°41 | 27°20 | 5°41 | 1°32 | 28°31 | 10°37 | 12°14 | 17° 6 | 8°13 | 7°23 | 7° 5 | 2°52 | T 16 |
| F 17 | 11 58 57 | 1°41'25 | 20°57 | 7°54 | 28°34 | 6°19 | 1°41 | 28°38 | 10°39 | 12°14 | 17° 4 | 8°11 | 7°20 | 7°11 | 2°56 | F 17 |
| S 18 | 12 2 54 | 2°40'20 | 3♑40 | 8°12 | 29°49 | 6°57 | 1°51 | 28°45 | 10°42 | 12°14 | 17° 3 | 8°D11 | 7°17 | 7°18 | 2°59 | S 18 |
| S 19 | 12 6 50 | 3°39'14 | 16° 2 | 8°35 | 1♈ 3 | 7°34 | 2° 1 | 28°51 | 10°44 | 12°13 | 17° 1 | 8°12 | 7°13 | 7°24 | 3° 3 | S 19 |
| M20 | 12 10 47 | 4°38'06 | 28° 9 | 9° 3 | 2°17 | 8°12 | 2°12 | 28°57 | 10°46 | 12°13 | 16°59 | 8°13 | 7°10 | 7°31 | 3° 6 | M20 |
| T 21 | 12 14 43 | 5°36'57 | 10♒ 4 | 9°35 | 3°32 | 8°49 | 2°22 | 29° 4 | 10°49 | 12°13 | 16°58 | 8°15 | 7° 7 | 7°38 | 3°10 | T 21 |
| W22 | 12 18 40 | 6°35'45 | 21°52 | 10°11 | 4°46 | 9°27 | 2°32 | 29°10 | 10°51 | 12°12 | 16°56 | 8°16 | 7° 4 | 7°44 | 3°13 | W22 |
| T 23 | 12 22 36 | 7°34'32 | 3♓38 | 10°51 | 6° 0 | 10° 4 | 2°43 | 29°17 | 10°53 | 12°12 | 16°54 | 8°R17 | 7° 1 | 7°51 | 3°17 | T 23 |
| F 24 | 12 26 33 | 8°33'17 | 15°25 | 11°35 | 7°14 | 10°42 | 2°53 | 29°23 | 10°56 | 12°11 | 16°53 | 8°17 | 6°58 | 7°58 | 3°20 | F 24 |
| S 25 | 12 30 30 | 9°31'59 | 27°17 | 12°22 | 8°29 | 11°19 | 3° 4 | 29°29 | 10°58 | 12°11 | 16°51 | 8°16 | 6°54 | 8° 4 | 3°24 | S 25 |
| S 26 | 12 34 26 | 10°30'40 | 9♈14 | 13°13 | 9°43 | 11°56 | 3°14 | 29°35 | 11° 0 | 12°10 | 16°49 | 8°12 | 6°51 | 8°11 | 3°27 | S 26 |
| M27 | 12 38 23 | 11°29'19 | 21°20 | 14° 6 | 10°57 | 12°33 | 3°25 | 29°41 | 11° 2 | 12°10 | 16°48 | 8° 8 | 6°48 | 8°18 | 3°31 | M27 |
| T 28 | 12 42 19 | 12°27'56 | 3♉36 | 15° 3 | 12°11 | 13°10 | 3°36 | 29°47 | 11° 4 | 12° 9 | 16°46 | 8° 2 | 6°45 | 8°24 | 3°34 | T 28 |
| W29 | 12 46 16 | 13°26'31 | 16° 3 | 16° 3 | 13°25 | 13°47 | 3°47 | 29°54 | 11° 6 | 12° 9 | 16°44 | 7°56 | 6°42 | 8°31 | 3°38 | W29 |
| T 30 | 12 50 12 | 14°25'03 | 28°43 | 17° 6 | 14°40 | 14°24 | 3°58 | 29°59 | 11° 8 | 12° 8 | 16°43 | 7°50 | 6°38 | 8°38 | 3°41 | T 30 |
| F 31 | 12 54 9 | 15♈23'34 | 11♊35 | 18♓11 | 15♈54 | 15♑ 1 | 4♊ 9 | 0♓ 5 | 11♒10 | 12♐ 7 | 16♎41 | 7♍45 | 6♍35 | 8♓44 | 3♈45 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 5s35 | 9n31 | 4s30 | 2s56 | 3n24 | 9s40 | 1s26 | 23s40 | 0s 9 | 19n40 | 0s27 | 14s 2 | 1s29 | 18s28 | 0s38 | 20s57 | 1n26 | 9n14 | 17n27 | 8n28 | 8n33 | 9s21 | 3n35 | 3n 2 | |
| T 2 | 5 12 | 12 45 | 5 0 | 3 25 | 3 15 | 9 12 | 1 26 | 23 42 | 0 10 | 19 42 | 0 27 | 14 0 | 1 29 | 18 27 | 0 38 | 20 57 | 1 26 | 9 15 | 17 28 | 8 28 | 8 34 | 9 19 | 3 36 | 3 2 | |
| F 3 | 4 49 | 15 28 | 5 15 | 3 55 | 3 5 | 8 44 | 1 26 | 23 44 | 0 11 | 19 44 | 0 27 | 13 57 | 1 29 | 18 27 | 0 38 | 20 57 | 1 26 | 9 16 | 17 28 | 8 29 | 8 35 | 9 17 | 3 38 | 3 2 | |
| S 4 | 4 26 | 17 28 | 5 16 | 4 25 | 2 54 | 8 15 | 1 26 | 23 46 | 0 13 | 19 46 | 0 26 | 13 55 | 1 29 | 18 26 | 0 38 | 20 57 | 1 26 | 9 16 | 17 28 | 8 29 | 8 36 | 9 16 | 3 39 | 3 2 | |
| S 5 | 4 2 | 18 34 | 4 59 | 4 55 | 2 41 | 7 46 | 1 26 | 23 48 | 0 14 | 19 48 | 0 26 | 13 53 | 1 29 | 18 25 | 0 38 | 20 57 | 1 26 | 9 17 | 17 29 | 8 29 | 8 38 | 9 14 | 3 40 | 3 2 | |
| M 6 | 3 39 | 18 38 | 4 25 | 5 25 | 2 27 | 7 17 | 1 26 | 23 49 | 0 15 | 19 50 | 0 26 | 13 50 | 1 29 | 18 24 | 0 38 | 20 57 | 1 27 | 9 18 | 17 29 | 8 29 | 8 39 | 9 13 | 3 42 | 3 2 | |
| T 7 | 3 15 | 17 33 | 3 34 | 5 54 | 2 13 | 6 48 | 1 26 | 23 51 | 0 17 | 19 52 | 0 26 | 13 48 | 1 29 | 18 24 | 0 38 | 20 57 | 1 27 | 9 19 | 17 29 | 8 28 | 8 40 | 9 11 | 3 43 | 3 2 | |
| W 8 | 2 52 | 15 17 | 2 28 | 6 21 | 1 58 | 6 19 | 1 26 | 23 52 | 0 18 | 19 54 | 0 26 | 13 46 | 1 30 | 18 23 | 0 38 | 20 57 | 1 27 | 9 19 | 17 29 | 8 28 | 8 41 | 9 9 | 3 44 | 3 2 | |
| T 9 | 2 28 | 11 58 | 1 11 | 6 47 | 1 43 | 5 50 | 1 26 | 23 53 | 0 19 | 19 56 | 0 26 | 13 44 | 1 30 | 18 22 | 0 38 | 20 57 | 1 27 | 9 20 | 17 30 | 8 28 | 8 42 | 9 8 | 3 45 | 3 2 | |
| F 10 | 2 5 | 7 48 | 0n12 | 7 11 | 1 27 | 5 20 | 1 26 | 23 54 | 0 21 | 19 58 | 0 25 | 13 41 | 1 30 | 18 21 | 0 38 | 20 57 | 1 27 | 9 21 | 17 30 | 8 27 | 8 44 | 9 6 | 3 47 | 3 2 | |
| S 11 | 1 41 | 3 8 | 1 35 | 7 32 | 1 12 | 4 50 | 1 25 | 23 54 | 0 22 | 20 0 | 0 25 | 13 39 | 1 30 | 18 21 | 0 38 | 20 57 | 1 27 | 9 22 | 17 30 | 8 28 | 8 45 | 9 4 | 3 48 | 3 2 | |
| S 12 | 1 17 | 1s43 | 2 50 | 7 52 | 0 56 | 4 20 | 1 25 | 23 55 | 0 23 | 20 2 | 0 25 | 13 37 | 1 30 | 18 20 | 0 38 | 20 57 | 1 27 | 9 23 | 17 30 | 8 28 | 8 46 | 9 3 | 3 49 | 3 1 | |
| M13 | 0 54 | 6 23 | 3 53 | 8 9 | 0 41 | 3 50 | 1 24 | 23 55 | 0 25 | 20 4 | 0 25 | 13 35 | 1 30 | 18 19 | 0 39 | 20 57 | 1 27 | 9 23 | 17 30 | 8 29 | 8 47 | 9 1 | 3 51 | 3 1 | |
| T 14 | 0 30 | 10 33 | 4 39 | 8 24 | 0 26 | 3 20 | 1 24 | 23 56 | 0 26 | 20 6 | 0 25 | 13 32 | 1 30 | 18 19 | 0 39 | 20 57 | 1 27 | 9 24 | 17 31 | 8 30 | 8 48 | 8 59 | 3 52 | 3 1 | |
| W15 | 0 7 | 13 59 | 5 6 | 8 36 | 0 12 | 2 50 | 1 23 | 23 56 | 0 28 | 20 9 | 0 25 | 13 30 | 1 30 | 18 18 | 0 39 | 20 57 | 1 27 | 9 25 | 17 31 | 8 31 | 8 50 | 8 58 | 3 54 | 3 1 | |
| T 16 | 0n17 | 16 32 | 5 16 | 8 47 | 0s 3 | 2 20 | 1 23 | 23 56 | 0 29 | 20 11 | 0 24 | 13 28 | 1 31 | 18 17 | 0 39 | 20 57 | 1 27 | 9 26 | 17 31 | 8 32 | 8 51 | 8 56 | 3 55 | 3 1 | |
| F 17 | 0 41 | 18 8 | 5 8 | 8 54 | 0 16 | 1 49 | 1 22 | 23 55 | 0 30 | 20 13 | 0 24 | 13 26 | 1 31 | 18 17 | 0 39 | 20 57 | 1 27 | 9 26 | 17 31 | 8 33 | 8 52 | 8 54 | 3 56 | 3 1 | |
| S 18 | 1 4 | 18 46 | 4 45 | 8 59 | 0 29 | 1 19 | 1 21 | 23 55 | 0 32 | 20 15 | 0 24 | 13 24 | 1 31 | 18 16 | 0 39 | 20 57 | 1 27 | 9 27 | 17 31 | 8 33 | 8 53 | 8 53 | 3 58 | 3 1 | |
| S 19 | 1 28 | 18 28 | 4 10 | 9 2 | 0 42 | 0 49 | 1 20 | 23 54 | 0 33 | 20 17 | 0 24 | 13 21 | 1 31 | 18 15 | 0 39 | 20 56 | 1 27 | 9 28 | 17 31 | 8 33 | 8 54 | 8 51 | 3 59 | 3 1 | |
| M20 | 1 51 | 17 19 | 3 23 | 9 3 | 0 54 | 0 18 | 1 20 | 23 54 | 0 35 | 20 19 | 0 24 | 13 19 | 1 31 | 18 15 | 0 39 | 20 56 | 1 27 | 9 28 | 17 32 | 8 32 | 8 55 | 8 49 | 4 0 | 3 1 | |
| T 21 | 2 15 | 15 25 | 2 29 | 9 2 | 1 5 | 0n13 | 1 19 | 23 53 | 0 37 | 20 22 | 0 24 | 13 17 | 1 31 | 18 14 | 0 39 | 20 56 | 1 27 | 9 29 | 17 32 | 8 31 | 8 57 | 8 48 | 4 2 | 3 1 | |
| W22 | 2 38 | 12 53 | 1 29 | 8 58 | 1 16 | 0 43 | 1 18 | 23 52 | 0 38 | 20 24 | 0 23 | 13 15 | 1 31 | 18 13 | 0 39 | 20 56 | 1 27 | 9 30 | 17 32 | 8 31 | 8 58 | 8 46 | 4 3 | 3 1 | |
| T 23 | 3 1 | 9 50 | 0 26 | 8 52 | 1 26 | 1 14 | 1 17 | 23 51 | 0 40 | 20 26 | 0 23 | 13 13 | 1 32 | 18 13 | 0 39 | 20 56 | 1 27 | 9 31 | 17 32 | 8 30 | 8 59 | 8 44 | 4 4 | 3 1 | |
| F 24 | 3 25 | 6 23 | 0s39 | 8 44 | 1 36 | 1 44 | 1 15 | 23 49 | 0 41 | 20 28 | 0 23 | 13 11 | 1 32 | 18 12 | 0 39 | 20 56 | 1 27 | 9 31 | 17 32 | 8 30 | 9 0 | 8 43 | 4 6 | 3 1 | |
| S 25 | 3 48 | 2 39 | 1 42 | 8 34 | 1 45 | 2 15 | 1 14 | 23 48 | 0 43 | 20 30 | 0 23 | 13 9 | 1 32 | 18 12 | 0 39 | 20 56 | 1 27 | 9 32 | 17 32 | 8 31 | 9 1 | 8 41 | 4 7 | 3 1 | |
| S 26 | 4 11 | 1n12 | 2 41 | 8 22 | 1 53 | 2 45 | 1 13 | 23 46 | 0 45 | 20 33 | 0 23 | 13 7 | 1 32 | 18 11 | 0 39 | 20 56 | 1 27 | 9 33 | 17 32 | 8 32 | 9 3 | 8 39 | 4 9 | 3 1 | |
| M27 | 4 34 | 5 4 | 3 34 | 8 8 | 2 1 | 3 15 | 1 12 | 23 44 | 0 46 | 20 35 | 0 23 | 13 5 | 1 32 | 18 11 | 0 39 | 20 56 | 1 27 | 9 33 | 17 32 | 8 34 | 9 4 | 8 38 | 4 10 | 3 1 | |
| T 28 | 4 57 | 8 45 | 4 17 | 7 53 | 2 8 | 3 46 | 1 10 | 23 42 | 0 48 | 20 37 | 0 22 | 13 3 | 1 32 | 18 10 | 0 39 | 20 56 | 1 27 | 9 34 | 17 32 | 8 36 | 9 5 | 8 36 | 4 11 | 3 1 | |
| W29 | 5 20 | 12 7 | 4 49 | 7 35 | 2 14 | 4 16 | 1 9 | 23 40 | 0 50 | 20 39 | 0 22 | 13 1 | 1 32 | 18 10 | 0 39 | 20 55 | 1 27 | 9 35 | 17 32 | 8 38 | 9 6 | 8 34 | 4 13 | 3 1 | |
| T 30 | 5 43 | 14 59 | 5 7 | 7 16 | 2 20 | 4 46 | 1 8 | 23 38 | 0 51 | 20 42 | 0 22 | 12 59 | 1 33 | 18 9 | 0 39 | 20 55 | 1 27 | 9 35 | 17 32 | 8 41 | 9 7 | 8 33 | 4 14 | 3 1 | |
| F 31 | 6n 6 | 17n10 | 5s10 | 6s55 | 2s25 | 5n16 | 1s 6 | 23s36 | 0s53 | 20n44 | 0s22 | 12s57 | 1s33 | 18s 8 | 0s39 | 20s55 | 1n27 | 9n36 | 17n32 | 8n43 | 9n 8 | 8s31 | 4n15 | 3n 1 | |

Julian Day Number = 2083810.5, Delta T = 24m57s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'27, Lahiri = 9°49'27 Julian Calendar 1 March 993 == Greg. Calendar 6 March 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## APRIL 993 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 58 5 | 16♈22'03 | 24♊43 | 19♓19 | 17♈ 8 | 15♑38 | 4♊21 | 0♓11 | 11♒12 | 12°R 6 | 16°R39 | 7°R41 | 6♍32 | 8♓51 | 3♈48 | S 1 |
| S 2 | 13 2 2 | 17°20'29 | 8♋ 6 | 20°29 | 18°22 | 16°14 | 4°32 | 0°17 | 11°14 | 12♐ 6 | 16♎37 | 7♍39 | 6°29 | 8°57 | 3°52 | S 2 |
| M 3 | 13 5 59 | 18°18'53 | 21°47 | 21°41 | 19°36 | 16°51 | 4°43 | 0°23 | 11°16 | 12° 5 | 16°36 | 7°D39 | 6°26 | 9° 4 | 3°55 | M 3 |
| T 4 | 13 9 55 | 19°17'15 | 5♌46 | 22°56 | 20°50 | 17°28 | 4°55 | 0°29 | 11°18 | 12° 4 | 16°34 | 7°39 | 6°23 | 9°11 | 3°59 | T 4 |
| W 5 | 13 13 52 | 20°15'35 | 20° 3 | 24°13 | 22° 4 | 18° 4 | 5° 6 | 0°34 | 11°19 | 12° 3 | 16°32 | 7°41 | 6°19 | 9°17 | 4° 2 | W 5 |
| T 6 | 13 17 48 | 21°13'52 | 4♍36 | 25°33 | 23°18 | 18°40 | 5°18 | 0°40 | 11°21 | 12° 3 | 16°31 | 7°R42 | 6°16 | 9°24 | 4° 5 | T 6 |
| F 7 | 13 21 45 | 22°12'07 | 19°21 | 26°54 | 24°32 | 19°17 | 5°30 | 0°45 | 11°23 | 12° 2 | 16°29 | 7°41 | 6°13 | 9°31 | 4° 9 | F 7 |
| S 8 | 13 25 41 | 23°10'21 | 4♎14 | 28°18 | 25°46 | 19°53 | 5°41 | 0°51 | 11°24 | 12° 1 | 16°27 | 7°39 | 6°10 | 9°37 | 4°12 | S 8 |
| S 9 | 13 29 38 | 24° 8'32 | 19° 6 | 29°43 | 27° 0 | 20°29 | 5°53 | 0°56 | 11°26 | 12° 0 | 16°26 | 7°34 | 6° 7 | 9°44 | 4°16 | S 9 |
| M10 | 13 33 34 | 25° 6'42 | 3♏49 | 1♈11 | 28°14 | 21° 5 | 6° 5 | 1° 1 | 11°28 | 11°59 | 16°24 | 7°28 | 6° 3 | 9°51 | 4°19 | M10 |
| T 11 | 13 37 31 | 26° 4'50 | 18°16 | 2°41 | 29°28 | 21°41 | 6°17 | 1° 7 | 11°29 | 11°58 | 16°22 | 7°20 | 6° 0 | 9°57 | 4°22 | T 11 |
| W12 | 13 41 28 | 27° 2'56 | 2♐21 | 4°12 | 0♉42 | 22°17 | 6°29 | 1°12 | 11°30 | 11°57 | 16°21 | 7°13 | 5°57 | 10° 4 | 4°26 | W12 |
| T 13 | 13 45 24 | 28° 1'01 | 16° 0 | 5°46 | 1°56 | 22°53 | 6°41 | 1°17 | 11°32 | 11°56 | 16°19 | 7° 5 | 5°54 | 10°11 | 4°29 | T 13 |
| F 14 | 13 49 21 | 28°59'05 | 29°12 | 7°21 | 3°10 | 23°28 | 6°53 | 1°22 | 11°33 | 11°55 | 16°17 | 7° 0 | 5°51 | 10°17 | 4°32 | F 14 |
| S 15 | 13 53 17 | 29°57'06 | 11♑59 | 8°59 | 4°24 | 24° 4 | 7° 6 | 1°27 | 11°34 | 11°54 | 16°16 | 6°56 | 5°48 | 10°24 | 4°36 | S 15 |
| S 16 | 13 57 14 | 0♉55'07 | 24°24 | 10°38 | 5°38 | 24°39 | 7°18 | 1°32 | 11°36 | 11°53 | 16°14 | 6°54 | 5°44 | 10°30 | 4°39 | S 16 |
| M17 | 14 1 10 | 1°53'06 | 6♒32 | 12°19 | 6°52 | 25°14 | 7°30 | 1°37 | 11°37 | 11°52 | 16°12 | 6°D54 | 5°41 | 10°37 | 4°42 | M17 |
| T 18 | 14 5 7 | 2°51'04 | 18°27 | 14° 2 | 8° 6 | 25°50 | 7°43 | 1°41 | 11°38 | 11°50 | 16°11 | 6°55 | 5°38 | 10°44 | 4°45 | T 18 |
| W19 | 14 9 3 | 3°49'00 | 0♓16 | 15°47 | 9°20 | 26°25 | 7°55 | 1°46 | 11°39 | 11°49 | 16° 9 | 6°56 | 5°35 | 10°50 | 4°48 | W19 |
| T 20 | 14 13 0 | 4°46'55 | 12° 2 | 17°35 | 10°33 | 27° 0 | 8° 8 | 1°51 | 11°40 | 11°48 | 16° 8 | 6°R56 | 5°32 | 10°57 | 4°52 | T 20 |
| F 21 | 14 16 57 | 5°44'49 | 23°52 | 19°24 | 11°47 | 27°34 | 8°20 | 1°55 | 11°41 | 11°47 | 16° 6 | 6°54 | 5°29 | 11° 4 | 4°55 | F 21 |
| S 22 | 14 20 53 | 6°42'41 | 5♈48 | 21°14 | 13° 1 | 28° 9 | 8°33 | 2° 0 | 11°42 | 11°46 | 16° 5 | 6°50 | 5°25 | 11°10 | 4°58 | S 22 |
| S 23 | 14 24 50 | 7°40'32 | 17°55 | 23° 7 | 14°15 | 28°44 | 8°46 | 2° 4 | 11°43 | 11°44 | 16° 3 | 6°44 | 5°22 | 11°17 | 5° 1 | S 23 |
| M24 | 14 28 46 | 8°38'21 | 0♉13 | 25° 2 | 15°29 | 29°18 | 8°58 | 2° 9 | 11°44 | 11°43 | 16° 1 | 6°35 | 5°19 | 11°24 | 5° 4 | M24 |
| T 25 | 14 32 43 | 9°36'09 | 12°45 | 26°59 | 16°43 | 29°52 | 9°11 | 2°13 | 11°45 | 11°42 | 16° 0 | 6°25 | 5°16 | 11°30 | 5° 7 | T 25 |
| W26 | 14 36 39 | 10°33'56 | 25°31 | 28°57 | 17°56 | 0♒26 | 9°24 | 2°17 | 11°46 | 11°40 | 15°58 | 6°14 | 5°13 | 11°37 | 5°10 | W26 |
| T 27 | 14 40 36 | 11°31'41 | 8♊30 | 0♉58 | 19°10 | 1° 0 | 9°37 | 2°21 | 11°46 | 11°39 | 15°57 | 6° 3 | 5° 9 | 11°44 | 5°13 | T 27 |
| F 28 | 14 44 32 | 12°29'24 | 21°41 | 3° 0 | 20°24 | 1°34 | 9°50 | 2°25 | 11°47 | 11°38 | 15°55 | 5°53 | 5° 6 | 11°50 | 5°16 | F 28 |
| S 29 | 14 48 29 | 13°27'06 | 5♋ 4 | 5° 4 | 21°38 | 2° 8 | 10° 3 | 2°29 | 11°48 | 11°36 | 15°54 | 5°46 | 5° 3 | 11°57 | 5°19 | S 29 |
| S 30 | 14 52 25 | 14♉24'47 | 18♋38 | 7♉ 9 | 22♉51 | 2♒41 | 10♊16 | 2♓33 | 11♒48 | 11♐35 | 15♎53 | 5♍41 | 5♍ 0 | 12♓ 4 | 5♈22 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n28 | 18n30 | 4s58 | 6s32 | 2s29 | 5n46 | 1s 5 | 23s33 | 0s55 | 20n46 | 0s22 | 12s55 | 1s33 | 18s 8 | 0s39 | 20s55 | 1n28 | 9n37 | 17n32 | 8n44 | 9n10 | 8s29 | 4n17 | 3n 1 |
| S 2 | 6 51 | 18 51 | 4 28 | 6 8 | 2 33 | 6 16 | 1 3 | 23 31 | 0 57 | 20 48 | 0 22 | 12 53 | 1 33 | 18 7 | 0 39 | 20 55 | 1 28 | 9 37 | 17 32 | 8 45 | 9 11 | 8 28 | 4 18 | 3 1 |
| M 3 | 7 13 | 18 7 | 3 44 | 5 43 | 2 37 | 6 46 | 1 1 | 23 28 | 0 58 | 20 50 | 0 22 | 12 51 | 1 33 | 18 7 | 0 39 | 20 55 | 1 28 | 9 38 | 17 32 | 8 45 | 9 12 | 8 26 | 4 19 | 3 1 |
| T 4 | 7 35 | 16 16 | 2 45 | 5 15 | 2 39 | 7 15 | 1 0 | 23 25 | 1 0 | 20 53 | 0 21 | 12 49 | 1 33 | 18 7 | 0 39 | 20 55 | 1 28 | 9 38 | 17 32 | 8 45 | 9 13 | 8 24 | 4 21 | 3 0 |
| W 5 | 7 57 | 13 23 | 1 34 | 4 46 | 2 42 | 7 45 | 0 58 | 23 22 | 1 2 | 20 55 | 0 21 | 12 47 | 1 34 | 18 6 | 0 39 | 20 55 | 1 28 | 9 39 | 17 32 | 8 44 | 9 14 | 8 23 | 4 22 | 3 0 |
| T 6 | 8 20 | 9 37 | 0 17 | 4 16 | 2 43 | 8 14 | 0 56 | 23 19 | 1 4 | 20 57 | 0 21 | 12 46 | 1 34 | 18 6 | 0 39 | 20 54 | 1 28 | 9 40 | 17 32 | 8 44 | 9 16 | 8 21 | 4 24 | 3 0 |
| F 7 | 8 41 | 5 12 | 1n 3 | 3 45 | 2 44 | 8 43 | 0 54 | 23 16 | 1 6 | 20 59 | 0 21 | 12 44 | 1 34 | 18 5 | 0 39 | 20 54 | 1 28 | 9 40 | 17 32 | 8 44 | 9 17 | 8 19 | 4 25 | 3 0 |
| S 8 | 9 3 | 0 26 | 2 19 | 3 12 | 2 44 | 9 12 | 0 53 | 23 12 | 1 8 | 21 2 | 0 21 | 12 42 | 1 34 | 18 5 | 0 39 | 20 54 | 1 28 | 9 41 | 17 32 | 8 45 | 9 18 | 8 17 | 4 26 | 3 0 |
| S 9 | 9 25 | 4s21 | 3 25 | 2 37 | 2 44 | 9 40 | 0 51 | 23 9 | 1 10 | 21 4 | 0 21 | 12 40 | 1 34 | 18 4 | 0 39 | 20 54 | 1 28 | 9 41 | 17 32 | 8 47 | 9 19 | 8 16 | 4 28 | 3 0 |
| M10 | 9 46 | 8 50 | 4 17 | 2 2 | 2 44 | 10 9 | 0 49 | 23 5 | 1 12 | 21 6 | 0 21 | 12 38 | 1 35 | 18 4 | 0 39 | 20 54 | 1 28 | 9 42 | 17 32 | 8 49 | 9 20 | 8 14 | 4 29 | 3 0 |
| T 11 | 10 7 | 12 42 | 4 51 | 1 25 | 2 42 | 10 37 | 0 47 | 23 1 | 1 14 | 21 8 | 0 20 | 12 37 | 1 35 | 18 4 | 0 39 | 20 54 | 1 28 | 9 42 | 17 32 | 8 52 | 9 21 | 8 12 | 4 30 | 3 0 |
| W12 | 10 29 | 15 44 | 5 7 | 0 46 | 2 40 | 11 5 | 0 45 | 22 58 | 1 16 | 21 10 | 0 20 | 12 35 | 1 35 | 18 3 | 0 39 | 20 53 | 1 28 | 9 43 | 17 32 | 8 55 | 9 23 | 8 11 | 4 32 | 3 0 |
| T 13 | 10 50 | 17 47 | 5 4 | 0 7 | 2 38 | 11 32 | 0 43 | 22 54 | 1 18 | 21 13 | 0 20 | 12 33 | 1 35 | 18 3 | 0 40 | 20 53 | 1 28 | 9 43 | 17 31 | 8 57 | 9 24 | 8 9 | 4 33 | 3 0 |
| F 14 | 11 10 | 18 49 | 4 45 | 0n34 | 2 35 | 12 0 | 0 41 | 22 50 | 1 20 | 21 15 | 0 20 | 12 32 | 1 35 | 18 3 | 0 40 | 20 53 | 1 28 | 9 44 | 17 31 | 8 59 | 9 25 | 8 7 | 4 34 | 3 0 |
| S 15 | 11 31 | 18 50 | 4 12 | 1 16 | 2 31 | 12 27 | 0 39 | 22 45 | 1 22 | 21 17 | 0 20 | 12 30 | 1 35 | 18 2 | 0 40 | 20 53 | 1 28 | 9 44 | 17 31 | 9 1 | 9 26 | 8 6 | 4 36 | 3 0 |
| S 16 | 11 51 | 17 56 | 3 29 | 1 58 | 2 27 | 12 54 | 0 37 | 22 41 | 1 24 | 21 19 | 0 20 | 12 29 | 1 36 | 18 2 | 0 40 | 20 53 | 1 28 | 9 45 | 17 31 | 9 1 | 9 27 | 8 4 | 4 37 | 3 1 |
| M17 | 12 12 | 16 13 | 2 36 | 2 42 | 2 23 | 13 20 | 0 34 | 22 37 | 1 26 | 21 21 | 0 20 | 12 27 | 1 36 | 18 2 | 0 40 | 20 53 | 1 28 | 9 45 | 17 31 | 9 1 | 9 28 | 8 2 | 4 38 | 3 1 |
| T 18 | 12 32 | 13 50 | 1 38 | 3 27 | 2 18 | 13 46 | 0 32 | 22 32 | 1 28 | 21 24 | 0 19 | 12 25 | 1 36 | 18 1 | 0 40 | 20 52 | 1 28 | 9 46 | 17 31 | 9 1 | 9 30 | 8 0 | 4 39 | 3 1 |
| W19 | 12 51 | 10 53 | 0 36 | 4 13 | 2 12 | 14 12 | 0 30 | 22 28 | 1 31 | 21 26 | 0 19 | 12 24 | 1 36 | 18 1 | 0 40 | 20 52 | 1 28 | 9 46 | 17 30 | 9 1 | 9 31 | 7 59 | 4 41 | 3 1 |
| T 20 | 13 11 | 7 30 | 0s27 | 5 0 | 2 6 | 14 38 | 0 28 | 22 23 | 1 33 | 21 28 | 0 19 | 12 22 | 1 36 | 18 1 | 0 40 | 20 52 | 1 28 | 9 46 | 17 30 | 9 1 | 9 32 | 7 57 | 4 42 | 3 1 |
| F 21 | 13 30 | 3 49 | 1 30 | 5 48 | 1 59 | 15 3 | 0 25 | 22 18 | 1 35 | 21 30 | 0 19 | 12 21 | 1 37 | 18 1 | 0 40 | 20 52 | 1 28 | 9 47 | 17 30 | 9 1 | 9 33 | 7 55 | 4 43 | 3 1 |
| S 22 | 13 50 | 0n 3 | 2 28 | 6 36 | 1 52 | 15 28 | 0 23 | 22 14 | 1 37 | 21 32 | 0 19 | 12 20 | 1 37 | 18 0 | 0 40 | 20 52 | 1 28 | 9 47 | 17 30 | 9 3 | 9 34 | 7 53 | 4 45 | 3 1 |
| S 23 | 14 9 | 3 58 | 3 21 | 7 25 | 1 44 | 15 52 | 0 21 | 22 9 | 1 39 | 21 34 | 0 19 | 12 18 | 1 37 | 18 0 | 0 40 | 20 52 | 1 28 | 9 48 | 17 30 | 9 5 | 9 36 | 7 52 | 4 46 | 3 1 |
| M24 | 14 27 | 7 47 | 4 5 | 8 15 | 1 36 | 16 16 | 0 19 | 22 4 | 1 42 | 21 36 | 0 19 | 12 17 | 1 37 | 18 0 | 0 40 | 20 51 | 1 28 | 9 48 | 17 29 | 9 8 | 9 37 | 7 50 | 4 47 | 3 1 |
| T 25 | 14 46 | 11 20 | 4 38 | 9 5 | 1 28 | 16 40 | 0 16 | 21 59 | 1 44 | 21 38 | 0 19 | 12 15 | 1 37 | 18 0 | 0 40 | 20 51 | 1 28 | 9 48 | 17 29 | 9 12 | 9 38 | 7 48 | 4 48 | 3 1 |
| W26 | 15 4 | 14 25 | 4 58 | 9 56 | 1 19 | 17 3 | 0 14 | 21 54 | 1 46 | 21 40 | 0 18 | 12 14 | 1 38 | 18 0 | 0 40 | 20 51 | 1 28 | 9 49 | 17 29 | 9 16 | 9 39 | 7 47 | 4 50 | 3 1 |
| T 27 | 15 22 | 16 51 | 5 3 | 10 47 | 1 10 | 17 25 | 0 11 | 21 49 | 1 49 | 21 43 | 0 18 | 12 13 | 1 38 | 17 59 | 0 40 | 20 51 | 1 28 | 9 49 | 17 29 | 9 20 | 9 40 | 7 45 | 4 51 | 3 1 |
| F 28 | 15 40 | 18 27 | 4 52 | 11 38 | 1 0 | 17 48 | 0 9 | 21 43 | 1 51 | 21 45 | 0 18 | 12 12 | 1 38 | 17 59 | 0 40 | 20 51 | 1 28 | 9 49 | 17 28 | 9 24 | 9 41 | 7 43 | 4 52 | 3 1 |
| S 29 | 15 58 | 19 3 | 4 25 | 12 29 | 0 50 | 18 10 | 0 7 | 21 38 | 1 54 | 21 47 | 0 18 | 12 10 | 1 38 | 17 59 | 0 40 | 20 50 | 1 28 | 9 49 | 17 28 | 9 27 | 9 43 | 7 41 | 4 53 | 3 1 |
| S 30 | 16n15 | 18n35 | 3s43 | 13n21 | 0s40 | 18n31 | 0s 4 | 21s33 | 1s56 | 21n49 | 0s18 | 12s 9 | 1s39 | 17s59 | 0s40 | 20s50 | 1n28 | 9n50 | 17n28 | 9n29 | 9n44 | 7s40 | 4n54 | 3n 1 |

Julian Day Number = 2083841.5, Delta T = 24m56s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'31, Lahiri = 9°49'32 Julian Calendar 1 Apr. 993 == Greg. Calendar 6 Apr. 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## MAY 993 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 56 22 | 15♉22'26 | 2♌23 | 9♉16 | 24♉ 5 | 3♒14 | 10♊29 | 2♓37 | 11♒49 | 11°R34 | 15°R51 | 5°R38 | 4♍57 | 12♓10 | 5♈25 | M 1 |
| T 2 | 15 0 19 | 16°20'03 | 16°19 | 11°24 | 25°19 | 3°47 | 10°42 | 2°40 | 11°49 | 11♐32 | 15♎50 | 5°D38 | 4°54 | 12°17 | 5°28 | T 2 |
| W 3 | 15 4 15 | 17°17'39 | 0♍25 | 13°34 | 26°32 | 4°20 | 10°55 | 2°44 | 11°50 | 11°31 | 15°48 | 5°R38 | 4°50 | 12°23 | 5°30 | W 3 |
| T 4 | 15 8 12 | 18°15'13 | 14°41 | 15°44 | 27°46 | 4°53 | 11° 8 | 2°47 | 11°50 | 11°29 | 15°47 | 5♍38 | 4°47 | 12°30 | 5°33 | T 4 |
| F 5 | 15 12 8 | 19°12'45 | 29° 5 | 17°55 | 29° 0 | 5°26 | 11°21 | 2°51 | 11°50 | 11°28 | 15°46 | 5°36 | 4°44 | 12°37 | 5°36 | F 5 |
| S 6 | 15 16 5 | 20°10'16 | 13♎33 | 20° 7 | 0♊13 | 5°58 | 11°34 | 2°54 | 11°51 | 11°26 | 15°44 | 5°32 | 4°41 | 12°43 | 5°39 | S 6 |
| S 7 | 15 20 1 | 21° 7'46 | 28° 2 | 22°18 | 1°27 | 6°30 | 11°48 | 2°57 | 11°51 | 11°25 | 15°43 | 5°25 | 4°38 | 12°50 | 5°41 | S 7 |
| M 8 | 15 23 58 | 22° 5'15 | 12♏25 | 24°30 | 2°41 | 7° 2 | 12° 1 | 3° 0 | 11°51 | 11°23 | 15°42 | 5°16 | 4°34 | 12°57 | 5°44 | M 8 |
| T 9 | 15 27 54 | 23° 2'42 | 26°36 | 26°41 | 3°54 | 7°34 | 12°14 | 3° 4 | 11°51 | 11°22 | 15°40 | 5° 5 | 4°31 | 13° 3 | 5°47 | T 9 |
| W10 | 15 31 51 | 24° 0'09 | 10♐30 | 28°52 | 5° 8 | 8° 5 | 12°28 | 3° 7 | 11°51 | 11°20 | 15°39 | 4°53 | 4°28 | 13°10 | 5°49 | W10 |
| T 11 | 15 35 48 | 24°57'34 | 24° 3 | 1♊ 2 | 6°21 | 8°37 | 12°41 | 3° 9 | 11°R51 | 11°19 | 15°38 | 4°42 | 4°25 | 13°17 | 5°52 | T 11 |
| F 12 | 15 39 44 | 25°54'59 | 7♑12 | 3°11 | 7°35 | 9° 8 | 12°54 | 3°12 | 11°51 | 11°17 | 15°37 | 4°33 | 4°22 | 13°23 | 5°54 | F 12 |
| S 13 | 15 43 41 | 26°52'22 | 19°58 | 5°19 | 8°49 | 9°39 | 13° 8 | 3°15 | 11°51 | 11°16 | 15°36 | 4°26 | 4°19 | 13°30 | 5°57 | S 13 |
| S 14 | 15 47 37 | 27°49'45 | 2♒24 | 7°25 | 10° 2 | 10° 9 | 13°21 | 3°18 | 11°51 | 11°14 | 15°34 | 4°22 | 4°15 | 13°37 | 5°59 | S 14 |
| M15 | 15 51 34 | 28°47'08 | 14°32 | 9°29 | 11°16 | 10°40 | 13°35 | 3°20 | 11°51 | 11°13 | 15°33 | 4°20 | 4°12 | 13°43 | 6° 2 | M15 |
| T 16 | 15 55 30 | 29°44'29 | 26°29 | 11°31 | 12°29 | 11°10 | 13°48 | 3°23 | 11°51 | 11°11 | 15°32 | 4°20 | 4° 9 | 13°50 | 6° 4 | T 16 |
| W17 | 15 59 27 | 0♊41'50 | 8♓18 | 13°32 | 13°43 | 11°40 | 14° 2 | 3°25 | 11°51 | 11° 9 | 15°31 | 4°19 | 4° 6 | 13°56 | 6° 7 | W17 |
| T 18 | 16 3 23 | 1°39'11 | 20° 7 | 15°30 | 14°56 | 12° 9 | 14°15 | 3°27 | 11°50 | 11° 8 | 15°30 | 4°19 | 4° 3 | 14° 3 | 6° 9 | T 18 |
| F 19 | 16 7 20 | 2°36'31 | 1♈59 | 17°26 | 16°10 | 12°39 | 14°29 | 3°29 | 11°50 | 11° 6 | 15°29 | 4°17 | 4° 0 | 14°10 | 6°11 | F 19 |
| S 20 | 16 11 17 | 3°33'50 | 14° 0 | 19°19 | 17°23 | 13° 8 | 14°42 | 3°31 | 11°50 | 11° 5 | 15°28 | 4°12 | 3°56 | 14°16 | 6°13 | S 20 |
| S 21 | 16 15 13 | 4°31'09 | 26°14 | 21°11 | 18°37 | 13°37 | 14°56 | 3°33 | 11°49 | 11° 3 | 15°27 | 4° 5 | 3°53 | 14°23 | 6°16 | S 21 |
| M22 | 16 19 10 | 5°28'27 | 8♉43 | 23° 0 | 19°50 | 14° 5 | 15° 9 | 3°35 | 11°49 | 11° 1 | 15°26 | 3°56 | 3°50 | 14°30 | 6°18 | M22 |
| T 23 | 16 23 6 | 6°25'45 | 21°30 | 24°46 | 21° 4 | 14°33 | 15°23 | 3°37 | 11°48 | 11° 0 | 15°25 | 3°44 | 3°47 | 14°36 | 6°20 | T 23 |
| W24 | 16 27 3 | 7°23'02 | 4♊35 | 26°30 | 22°17 | 15° 1 | 15°37 | 3°39 | 11°48 | 10°58 | 15°24 | 3°32 | 3°44 | 14°43 | 6°22 | W24 |
| T 25 | 16 30 59 | 8°20'18 | 17°55 | 28°11 | 23°31 | 15°28 | 15°50 | 3°40 | 11°47 | 10°57 | 15°24 | 3°19 | 3°40 | 14°50 | 6°24 | T 25 |
| F 26 | 16 34 56 | 9°17'34 | 1♋30 | 29°50 | 24°44 | 15°56 | 16° 4 | 3°42 | 11°46 | 10°55 | 15°23 | 3° 8 | 3°37 | 14°56 | 6°26 | F 26 |
| S 27 | 16 38 52 | 10°14'50 | 15°16 | 1♋27 | 25°57 | 16°22 | 16°18 | 3°43 | 11°46 | 10°53 | 15°22 | 3° 0 | 3°34 | 15° 3 | 6°28 | S 27 |
| S 28 | 16 42 49 | 11°12'04 | 29°11 | 3° 1 | 27°11 | 16°49 | 16°31 | 3°44 | 11°45 | 10°52 | 15°21 | 2°54 | 3°31 | 15°10 | 6°30 | S 28 |
| M29 | 16 46 46 | 12° 9'18 | 13♌11 | 4°32 | 28°24 | 17°15 | 16°45 | 3°46 | 11°44 | 10°50 | 15°20 | 2°51 | 3°28 | 15°16 | 6°32 | M29 |
| T 30 | 16 50 42 | 13° 6'31 | 27°15 | 6° 1 | 29°38 | 17°41 | 16°59 | 3°47 | 11°43 | 10°49 | 15°20 | 2°50 | 3°25 | 15°23 | 6°33 | T 30 |
| W31 | 16 54 39 | 14♊ 3'44 | 11♍21 | 7♋27 | 0♋51 | 18♒ 6 | 17♊12 | 3♓48 | 11♒42 | 10♐47 | 15♎19 | 2♍50 | 3♍21 | 15♓30 | 6♈35 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n32 | 17n 1 | 2s47 | 14n11 | 0s30 | 18n52 | 0s 2 | 21s28 | 1s59 | 21n51 | 0s18 | 12s 8 | 1s39 | 17s59 | 0s40 | 20s50 | 1n28 | 9n50 | 17n27 | 9n30 | 9n45 | 7s38 | 4n56 | 3n 1 |
| T 2 | 16 49 | 14 26 | 1 41 | 15 2 | 0 19 | 19 12 | 0n 1 | 21 22 | 2 1 | 21 53 | 0 18 | 12 7 | 1 39 | 17 59 | 0 40 | 20 50 | 1 28 | 9 50 | 17 27 | 9 30 | 9 46 | 7 36 | 4 57 | 3 1 |
| W 3 | 17 5 | 10 57 | 0 28 | 15 51 | 0 9 | 19 32 | 0 3 | 21 17 | 2 4 | 21 55 | 0 18 | 12 6 | 1 39 | 17 59 | 0 40 | 20 50 | 1 28 | 9 50 | 17 27 | 9 30 | 9 47 | 7 34 | 4 58 | 3 1 |
| T 4 | 17 21 | 6 48 | 0n48 | 16 40 | 0n 2 | 19 51 | 0 5 | 21 11 | 2 6 | 21 57 | 0 18 | 12 5 | 1 39 | 17 59 | 0 40 | 20 49 | 1 28 | 9 51 | 17 26 | 9 30 | 9 48 | 7 33 | 4 59 | 3 1 |
| F 5 | 17 37 | 2 13 | 2 1 | 17 28 | 0 13 | 20 10 | 0 8 | 21 6 | 2 9 | 21 58 | 0 17 | 12 4 | 1 40 | 17 59 | 0 40 | 20 49 | 1 28 | 9 51 | 17 26 | 9 30 | 9 50 | 7 31 | 5 0 | 3 1 |
| S 6 | 17 53 | 2s31 | 3 7 | 18 14 | 0 23 | 20 28 | 0 10 | 21 0 | 2 12 | 22 0 | 0 17 | 12 3 | 1 40 | 17 58 | 0 40 | 20 49 | 1 28 | 9 51 | 17 26 | 9 32 | 9 51 | 7 29 | 5 1 | 3 1 |
| S 7 | 18 8 | 7 5 | 4 0 | 18 59 | 0 33 | 20 46 | 0 13 | 20 55 | 2 14 | 22 2 | 0 17 | 12 2 | 1 40 | 17 58 | 0 40 | 20 49 | 1 28 | 9 51 | 17 25 | 9 34 | 9 52 | 7 27 | 5 3 | 3 1 |
| M 8 | 18 23 | 11 14 | 4 38 | 19 42 | 0 43 | 21 3 | 0 15 | 20 49 | 2 17 | 22 4 | 0 17 | 12 1 | 1 40 | 17 58 | 0 40 | 20 48 | 1 28 | 9 51 | 17 25 | 9 38 | 9 53 | 7 26 | 5 4 | 3 1 |
| T 9 | 18 38 | 14 40 | 4 58 | 20 23 | 0 53 | 21 20 | 0 18 | 20 43 | 2 20 | 22 6 | 0 17 | 12 0 | 1 41 | 17 58 | 0 40 | 20 48 | 1 28 | 9 51 | 17 25 | 9 42 | 9 54 | 7 24 | 5 5 | 3 1 |
| W10 | 18 52 | 17 12 | 5 0 | 21 1 | 1 2 | 21 36 | 0 20 | 20 38 | 2 22 | 22 8 | 0 17 | 11 59 | 1 41 | 17 58 | 0 41 | 20 48 | 1 28 | 9 52 | 17 24 | 9 46 | 9 55 | 7 22 | 5 6 | 3 1 |
| T 11 | 19 7 | 18 42 | 4 45 | 21 38 | 1 11 | 21 51 | 0 22 | 20 32 | 2 25 | 22 10 | 0 17 | 11 58 | 1 41 | 17 58 | 0 41 | 20 48 | 1 28 | 9 52 | 17 24 | 9 50 | 9 57 | 7 20 | 5 7 | 3 2 |
| F 12 | 19 20 | 19 8 | 4 14 | 22 12 | 1 19 | 22 6 | 0 25 | 20 27 | 2 28 | 22 12 | 0 17 | 11 57 | 1 41 | 17 58 | 0 41 | 20 48 | 1 28 | 9 52 | 17 23 | 9 54 | 9 58 | 7 19 | 5 8 | 3 2 |
| S 13 | 19 34 | 18 34 | 3 32 | 22 44 | 1 27 | 22 20 | 0 27 | 20 21 | 2 31 | 22 13 | 0 16 | 11 57 | 1 41 | 17 59 | 0 41 | 20 47 | 1 28 | 9 52 | 17 23 | 9 56 | 9 59 | 7 17 | 5 9 | 3 2 |
| S 14 | 19 47 | 17 7 | 2 41 | 23 12 | 1 34 | 22 34 | 0 29 | 20 15 | 2 34 | 22 15 | 0 16 | 11 56 | 1 42 | 17 59 | 0 41 | 20 47 | 1 28 | 9 52 | 17 23 | 9 58 | 10 0 | 7 15 | 5 10 | 3 2 |
| M15 | 20 0 | 14 55 | 1 43 | 23 39 | 1 40 | 22 46 | 0 32 | 20 10 | 2 36 | 22 17 | 0 16 | 11 55 | 1 42 | 17 59 | 0 41 | 20 47 | 1 28 | 9 52 | 17 22 | 9 58 | 10 1 | 7 13 | 5 11 | 3 2 |
| T 16 | 20 12 | 12 6 | 0 42 | 24 2 | 1 46 | 22 59 | 0 34 | 20 4 | 2 39 | 22 19 | 0 16 | 11 54 | 1 42 | 17 59 | 0 41 | 20 47 | 1 28 | 9 52 | 17 22 | 9 59 | 10 2 | 7 12 | 5 12 | 3 2 |
| W17 | 20 24 | 8 50 | 0s21 | 24 23 | 1 51 | 23 10 | 0 36 | 19 59 | 2 42 | 22 20 | 0 16 | 11 54 | 1 42 | 17 59 | 0 41 | 20 46 | 1 28 | 9 52 | 17 21 | 9 59 | 10 4 | 7 10 | 5 13 | 3 2 |
| T 18 | 20 36 | 5 12 | 1 23 | 24 41 | 1 55 | 23 21 | 0 39 | 19 53 | 2 45 | 22 22 | 0 16 | 11 53 | 1 43 | 17 59 | 0 41 | 20 46 | 1 28 | 9 52 | 17 21 | 9 59 | 10 5 | 7 8 | 5 14 | 3 2 |
| F 19 | 20 48 | 1 22 | 2 21 | 24 57 | 1 59 | 23 31 | 0 41 | 19 48 | 2 48 | 22 24 | 0 16 | 11 53 | 1 43 | 17 59 | 0 41 | 20 46 | 1 28 | 9 52 | 17 20 | 10 0 | 10 6 | 7 6 | 5 15 | 3 2 |
| S 20 | 20 59 | 2n35 | 3 14 | 25 10 | 2 2 | 23 41 | 0 43 | 19 42 | 2 51 | 22 25 | 0 16 | 11 52 | 1 43 | 17 59 | 0 41 | 20 46 | 1 28 | 9 52 | 17 20 | 10 1 | 10 7 | 7 4 | 5 16 | 3 2 |
| S 21 | 21 9 | 6 29 | 3 58 | 25 20 | 2 4 | 23 50 | 0 45 | 19 37 | 2 54 | 22 27 | 0 16 | 11 52 | 1 43 | 17 59 | 0 41 | 20 46 | 1 28 | 9 52 | 17 20 | 10 4 | 10 8 | 7 3 | 5 17 | 3 2 |
| M22 | 21 20 | 10 11 | 4 32 | 25 28 | 2 5 | 23 58 | 0 48 | 19 31 | 2 58 | 22 29 | 0 16 | 11 51 | 1 44 | 18 0 | 0 41 | 20 45 | 1 28 | 9 52 | 17 19 | 10 7 | 10 9 | 7 1 | 5 18 | 3 2 |
| T 23 | 21 30 | 13 30 | 4 54 | 25 34 | 2 6 | 24 6 | 0 50 | 19 26 | 3 1 | 22 30 | 0 15 | 11 51 | 1 44 | 18 0 | 0 41 | 20 45 | 1 28 | 9 52 | 17 19 | 10 11 | 10 10 | 6 59 | 5 19 | 3 2 |
| W24 | 21 40 | 16 15 | 5 1 | 25 37 | 2 6 | 24 12 | 0 52 | 19 21 | 3 4 | 22 32 | 0 15 | 11 50 | 1 44 | 18 0 | 0 41 | 20 45 | 1 28 | 9 51 | 17 18 | 10 16 | 10 12 | 6 57 | 5 20 | 3 2 |
| T 25 | 21 49 | 18 11 | 4 51 | 25 38 | 2 5 | 24 18 | 0 54 | 19 15 | 3 7 | 22 33 | 0 15 | 11 50 | 1 44 | 18 0 | 0 41 | 20 45 | 1 28 | 9 51 | 17 18 | 10 20 | 10 13 | 6 56 | 5 21 | 3 3 |
| F 26 | 21 58 | 19 8 | 4 25 | 25 37 | 2 3 | 24 24 | 0 56 | 19 10 | 3 10 | 22 35 | 0 15 | 11 50 | 1 45 | 18 0 | 0 41 | 20 44 | 1 28 | 9 51 | 17 17 | 10 24 | 10 14 | 6 54 | 5 22 | 3 3 |
| S 27 | 22 6 | 18 59 | 3 43 | 25 34 | 2 1 | 24 28 | 0 58 | 19 5 | 3 14 | 22 37 | 0 15 | 11 49 | 1 45 | 18 1 | 0 41 | 20 44 | 1 28 | 9 51 | 17 17 | 10 28 | 10 15 | 6 52 | 5 22 | 3 3 |
| S 28 | 22 14 | 17 41 | 2 48 | 25 30 | 1 58 | 24 32 | 1 0 | 19 0 | 3 17 | 22 38 | 0 15 | 11 49 | 1 45 | 18 1 | 0 41 | 20 44 | 1 28 | 9 51 | 17 16 | 10 30 | 10 16 | 6 50 | 5 23 | 3 3 |
| M29 | 22 22 | 15 19 | 1 42 | 25 24 | 1 54 | 24 36 | 1 2 | 18 55 | 3 20 | 22 39 | 0 15 | 11 49 | 1 45 | 18 1 | 0 41 | 20 44 | 1 28 | 9 51 | 17 16 | 10 31 | 10 17 | 6 48 | 5 24 | 3 3 |
| T 30 | 22 30 | 12 2 | 0 30 | 25 16 | 1 50 | 24 38 | 1 4 | 18 51 | 3 23 | 22 41 | 0 15 | 11 49 | 1 46 | 18 1 | 0 41 | 20 44 | 1 28 | 9 50 | 17 15 | 10 31 | 10 19 | 6 47 | 5 25 | 3 3 |
| W31 | 22n37 | 8n 2 | 0n45 | 25n 6 | 1n45 | 24n40 | 1n 6 | 18s46 | 3s27 | 22n42 | 0s15 | 11s49 | 1s46 | 18s 2 | 0s41 | 20s43 | 1n28 | 9n50 | 17n15 | 10n31 | 10n20 | 6s45 | 5n26 | 3n 3 |

Julian Day Number = 2083871.5, Delta T = 24m56s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'35, Lahiri = 9°49'36 Julian Calendar 1 May 993 == Greg. Calendar 6 May 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## JUNE 993 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 58 35 | 15♊ 0'55 | 25♍30 | 8♋50 | 2♋ 4 | 18♒31 | 17♊26 | 3♓48 | 11°R41 | 10°R45 | 15°R18 | 2°R50 | 3♍18 | 15♓36 | 6♈37 | T 1 |
| F 2 | 17 2 32 | 15°58'06 | 9♎38 | 10°11 | 3°18 | 18°55 | 17°40 | 3°49 | 11♒40 | 10♐44 | 15♎18 | 2♍48 | 3°15 | 15°43 | 6°39 | F 2 |
| S 3 | 17 6 28 | 16°55'16 | 23°46 | 11°29 | 4°31 | 19°20 | 17°53 | 3°50 | 11°39 | 10°42 | 15°17 | 2°44 | 3°12 | 15°50 | 6°40 | S 3 |
| S 4 | 17 10 25 | 17°52'26 | 7♏50 | 12°45 | 5°44 | 19°43 | 18° 7 | 3°50 | 11°38 | 10°40 | 15°17 | 2°37 | 3° 9 | 15°56 | 6°42 | S 4 |
| M 5 | 17 14 21 | 18°49'35 | 21°47 | 13°57 | 6°57 | 20° 7 | 18°21 | 3°51 | 11°37 | 10°39 | 15°16 | 2°28 | 3° 6 | 16° 3 | 6°43 | M 5 |
| T 6 | 17 18 18 | 19°46'44 | 5♐34 | 15° 7 | 8°11 | 20°29 | 18°34 | 3°51 | 11°36 | 10°37 | 15°16 | 2°18 | 3° 2 | 16° 9 | 6°45 | T 6 |
| W 7 | 17 22 15 | 20°43'53 | 19° 7 | 16°14 | 9°24 | 20°52 | 18°48 | 3°52 | 11°35 | 10°36 | 15°15 | 2° 6 | 2°59 | 16°16 | 6°46 | W 7 |
| T 8 | 17 26 11 | 21°41'02 | 2♑23 | 17°17 | 10°37 | 21°14 | 19° 2 | 3°52 | 11°34 | 10°34 | 15°15 | 1°56 | 2°56 | 16°23 | 6°48 | T 8 |
| F 9 | 17 30 8 | 22°38'10 | 15°20 | 18°18 | 11°51 | 21°35 | 19°15 | 3°R52 | 11°32 | 10°32 | 15°14 | 1°46 | 2°53 | 16°29 | 6°49 | F 9 |
| S 10 | 17 34 4 | 23°35'19 | 27°59 | 19°15 | 13° 4 | 21°57 | 19°29 | 3°52 | 11°31 | 10°31 | 15°14 | 1°40 | 2°50 | 16°36 | 6°50 | S 10 |
| S 11 | 17 38 1 | 24°32'27 | 10♒20 | 20°10 | 14°17 | 22°17 | 19°42 | 3°52 | 11°30 | 10°29 | 15°14 | 1°35 | 2°46 | 16°43 | 6°52 | S 11 |
| M12 | 17 41 57 | 25°29'36 | 22°26 | 21° 0 | 15°30 | 22°37 | 19°56 | 3°52 | 11°28 | 10°28 | 15°13 | 1°33 | 2°43 | 16°49 | 6°53 | M12 |
| T 13 | 17 45 54 | 26°26'45 | 4♓22 | 21°48 | 16°43 | 22°57 | 20°10 | 3°51 | 11°27 | 10°26 | 15°13 | 1°D33 | 2°40 | 16°56 | 6°54 | T 13 |
| W14 | 17 49 51 | 27°23'54 | 16°12 | 22°31 | 17°56 | 23°16 | 20°23 | 3°51 | 11°25 | 10°25 | 15°13 | 1°33 | 2°37 | 17° 3 | 6°55 | W14 |
| T 15 | 17 53 47 | 28°21'03 | 28° 1 | 23°11 | 19°10 | 23°34 | 20°37 | 3°50 | 11°24 | 10°23 | 15°13 | 1°R34 | 2°34 | 17° 9 | 6°56 | T 15 |
| F 16 | 17 57 44 | 29°18'13 | 9♈55 | 23°47 | 20°23 | 23°52 | 20°50 | 3°50 | 11°22 | 10°22 | 15°13 | 1°33 | 2°31 | 17°16 | 6°57 | F 16 |
| S 17 | 18 1 40 | 0♋15'23 | 21°58 | 24°19 | 21°36 | 24° 9 | 21° 4 | 3°49 | 11°21 | 10°20 | 15°13 | 1°31 | 2°27 | 17°23 | 6°58 | S 17 |
| S 18 | 18 5 37 | 1°12'34 | 4♉16 | 24°47 | 22°49 | 24°26 | 21°18 | 3°48 | 11°19 | 10°19 | 15°12 | 1°26 | 2°24 | 17°29 | 6°59 | S 18 |
| M19 | 18 9 33 | 2° 9'45 | 16°52 | 25°10 | 24° 2 | 24°42 | 21°31 | 3°47 | 11°17 | 10°17 | 15°12 | 1°20 | 2°21 | 17°36 | 7° 0 | M19 |
| T 20 | 18 13 30 | 3° 6'56 | 29°49 | 25°29 | 25°15 | 24°58 | 21°45 | 3°46 | 11°16 | 10°16 | 15°D12 | 1°11 | 2°18 | 17°43 | 7° 1 | T 20 |
| W21 | 18 17 26 | 4° 4'08 | 13♊ 7 | 25°44 | 26°28 | 25°12 | 21°58 | 3°45 | 11°14 | 10°14 | 15°12 | 1° 2 | 2°15 | 17°49 | 7° 2 | W21 |
| T 22 | 18 21 23 | 5° 1'20 | 26°46 | 25°54 | 27°41 | 25°27 | 22°12 | 3°44 | 11°12 | 10°13 | 15°12 | 0°53 | 2°12 | 17°56 | 7° 2 | T 22 |
| F 23 | 18 25 20 | 5°58'33 | 10♋43 | 25°59 | 28°54 | 25°40 | 22°25 | 3°43 | 11°10 | 10°11 | 15°13 | 0°44 | 2° 8 | 18° 3 | 7° 3 | F 23 |
| S 24 | 18 29 16 | 6°55'46 | 24°54 | 25°R59 | 0♌ 8 | 25°53 | 22°39 | 3°41 | 11° 9 | 10°10 | 15°13 | 0°38 | 2° 5 | 18° 9 | 7° 4 | S 24 |
| S 25 | 18 33 13 | 7°53'00 | 9♌13 | 25°55 | 1°21 | 26° 5 | 22°52 | 3°40 | 11° 7 | 10° 9 | 15°13 | 0°34 | 2° 2 | 18°16 | 7° 4 | S 25 |
| M26 | 18 37 9 | 8°50'13 | 23°36 | 25°45 | 2°34 | 26°17 | 23° 5 | 3°38 | 11° 5 | 10° 7 | 15°13 | 0°32 | 1°59 | 18°22 | 7° 5 | M26 |
| T 27 | 18 41 6 | 9°47'27 | 7♍59 | 25°31 | 3°47 | 26°28 | 23°19 | 3°37 | 11° 3 | 10° 6 | 15°13 | 0°D32 | 1°56 | 18°29 | 7° 5 | T 27 |
| W28 | 18 45 2 | 10°44'41 | 22°17 | 25°13 | 4°59 | 26°38 | 23°32 | 3°35 | 11° 1 | 10° 5 | 15°13 | 0°33 | 1°52 | 18°36 | 7° 5 | W28 |
| T 29 | 18 48 59 | 11°41'55 | 6♎29 | 24°49 | 6°12 | 26°47 | 23°45 | 3°33 | 10°59 | 10° 3 | 15°14 | 0°R34 | 1°49 | 18°42 | 7° 6 | T 29 |
| F 30 | 18 52 55 | 12♋39'09 | 20♎33 | 24♋22 | 7♌25 | 26♒56 | 23♊59 | 3♓31 | 10♒57 | 10♐ 2 | 15♎14 | 0♍34 | 1♍46 | 18♓49 | 7♈ 6 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n43 | 3n35 | 1n57 | 24n55 | 1n39 | 24n41 | 1n 8 | 18s41 | 3s30 | 22n44 | 0s14 | 11s49 | 1s46 | 18s 2 | 0s41 | 20s43 | 1n28 | 9n50 | 17n14 | 10n31 | 10n21 | 6s43 | 5n26 | 3n 3 |
| F 2 | 22 49 | 1s 3 | 3 2 | 24 43 | 1 33 | 24 41 | 1 10 | 18 37 | 3 34 | 22 45 | 0 14 | 11 49 | 1 46 | 18 2 | 0 41 | 20 43 | 1 28 | 9 50 | 17 14 | 10 32 | 10 22 | 6 41 | 5 27 | 3 3 |
| S 3 | 22 55 | 5 37 | 3 56 | 24 30 | 1 26 | 24 41 | 1 11 | 18 32 | 3 37 | 22 46 | 0 14 | 11 49 | 1 47 | 18 3 | 0 41 | 20 43 | 1 28 | 9 49 | 17 13 | 10 33 | 10 23 | 6 39 | 5 28 | 3 3 |
| S 4 | 23 1 | 9 52 | 4 35 | 24 15 | 1 18 | 24 39 | 1 13 | 18 28 | 3 41 | 22 48 | 0 14 | 11 49 | 1 47 | 18 3 | 0 41 | 20 43 | 1 28 | 9 49 | 17 12 | 10 36 | 10 24 | 6 38 | 5 29 | 3 4 |
| M 5 | 23 6 | 13 32 | 4 57 | 24 0 | 1 10 | 24 38 | 1 15 | 18 24 | 3 44 | 22 49 | 0 14 | 11 49 | 1 47 | 18 3 | 0 41 | 20 42 | 1 28 | 9 49 | 17 12 | 10 39 | 10 25 | 6 36 | 5 29 | 3 4 |
| T 6 | 23 10 | 16 24 | 5 1 | 23 43 | 1 1 | 24 35 | 1 16 | 18 20 | 3 48 | 22 50 | 0 14 | 11 49 | 1 47 | 18 4 | 0 42 | 20 42 | 1 28 | 9 48 | 17 11 | 10 43 | 10 27 | 6 34 | 5 30 | 3 4 |
| W 7 | 23 14 | 18 19 | 4 49 | 23 26 | 0 52 | 24 32 | 1 18 | 18 16 | 3 51 | 22 52 | 0 14 | 11 49 | 1 48 | 18 4 | 0 42 | 20 42 | 1 28 | 9 48 | 17 11 | 10 47 | 10 28 | 6 32 | 5 31 | 3 4 |
| T 8 | 23 18 | 19 12 | 4 21 | 23 8 | 0 42 | 24 27 | 1 19 | 18 12 | 3 55 | 22 53 | 0 14 | 11 49 | 1 48 | 18 4 | 0 42 | 20 42 | 1 28 | 9 48 | 17 10 | 10 51 | 10 29 | 6 30 | 5 31 | 3 4 |
| F 9 | 23 22 | 19 2 | 3 40 | 22 50 | 0 32 | 24 23 | 1 21 | 18 8 | 3 58 | 22 54 | 0 14 | 11 49 | 1 48 | 18 5 | 0 42 | 20 41 | 1 28 | 9 47 | 17 10 | 10 54 | 10 30 | 6 29 | 5 32 | 3 4 |
| S 10 | 23 25 | 17 55 | 2 49 | 22 31 | 0 21 | 24 17 | 1 22 | 18 5 | 4 2 | 22 55 | 0 14 | 11 49 | 1 48 | 18 5 | 0 42 | 20 41 | 1 28 | 9 47 | 17 9 | 10 56 | 10 31 | 6 27 | 5 33 | 3 4 |
| S 11 | 23 27 | 15 58 | 1 51 | 22 12 | 0 9 | 24 11 | 1 23 | 18 1 | 4 6 | 22 56 | 0 14 | 11 50 | 1 48 | 18 6 | 0 42 | 20 41 | 1 28 | 9 47 | 17 9 | 10 58 | 10 32 | 6 25 | 5 33 | 3 4 |
| M12 | 23 29 | 13 21 | 0 48 | 21 52 | 0s 3 | 24 4 | 1 25 | 17 58 | 4 9 | 22 58 | 0 13 | 11 50 | 1 49 | 18 6 | 0 42 | 20 41 | 1 28 | 9 46 | 17 8 | 10 59 | 10 34 | 6 23 | 5 34 | 3 4 |
| T 13 | 23 31 | 10 12 | 0s15 | 21 33 | 0 15 | 23 56 | 1 26 | 17 55 | 4 13 | 22 59 | 0 13 | 11 50 | 1 49 | 18 6 | 0 42 | 20 41 | 1 28 | 9 46 | 17 8 | 10 59 | 10 35 | 6 21 | 5 34 | 3 4 |
| W14 | 23 32 | 6 40 | 1 18 | 21 13 | 0 28 | 23 48 | 1 27 | 17 52 | 4 17 | 23 0 | 0 13 | 11 51 | 1 49 | 18 7 | 0 42 | 20 40 | 1 28 | 9 45 | 17 7 | 10 59 | 10 36 | 6 20 | 5 35 | 3 5 |
| T 15 | 23 33 | 2 53 | 2 17 | 20 53 | 0 41 | 23 39 | 1 28 | 17 50 | 4 21 | 23 1 | 0 13 | 11 51 | 1 49 | 18 7 | 0 42 | 20 40 | 1 28 | 9 45 | 17 6 | 10 59 | 10 37 | 6 18 | 5 35 | 3 5 |
| F 16 | 23 34 | 1n 2 | 3 10 | 20 34 | 0 55 | 23 29 | 1 29 | 17 47 | 4 24 | 23 2 | 0 13 | 11 52 | 1 50 | 18 8 | 0 42 | 20 40 | 1 28 | 9 44 | 17 6 | 10 59 | 10 38 | 6 16 | 5 36 | 3 5 |
| S 17 | 23 34 | 4 57 | 3 56 | 20 14 | 1 9 | 23 18 | 1 30 | 17 45 | 4 28 | 23 3 | 0 13 | 11 52 | 1 50 | 18 8 | 0 42 | 20 40 | 1 28 | 9 44 | 17 5 | 11 0 | 10 39 | 6 14 | 5 36 | 3 5 |
| S 18 | 23 34 | 8 44 | 4 32 | 19 55 | 1 23 | 23 7 | 1 31 | 17 43 | 4 32 | 23 4 | 0 13 | 11 53 | 1 50 | 18 9 | 0 42 | 20 40 | 1 28 | 9 43 | 17 5 | 11 1 | 10 40 | 6 12 | 5 37 | 3 5 |
| M19 | 23 33 | 12 14 | 4 56 | 19 37 | 1 38 | 22 56 | 1 32 | 17 41 | 4 36 | 23 5 | 0 13 | 11 53 | 1 50 | 18 9 | 0 42 | 20 40 | 1 28 | 9 43 | 17 4 | 11 4 | 10 42 | 6 10 | 5 37 | 3 5 |
| T 20 | 23 32 | 15 15 | 5 5 | 19 19 | 1 52 | 22 43 | 1 33 | 17 39 | 4 40 | 23 6 | 0 13 | 11 54 | 1 51 | 18 10 | 0 42 | 20 39 | 1 28 | 9 42 | 17 3 | 11 7 | 10 43 | 6 9 | 5 38 | 3 5 |
| W21 | 23 30 | 17 33 | 4 59 | 19 2 | 2 7 | 22 30 | 1 33 | 17 38 | 4 44 | 23 7 | 0 13 | 11 54 | 1 51 | 18 10 | 0 42 | 20 39 | 1 28 | 9 42 | 17 3 | 11 10 | 10 44 | 6 7 | 5 38 | 3 5 |
| T 22 | 23 28 | 18 57 | 4 35 | 18 45 | 2 22 | 22 16 | 1 34 | 17 37 | 4 47 | 23 8 | 0 12 | 11 55 | 1 51 | 18 11 | 0 42 | 20 39 | 1 28 | 9 41 | 17 2 | 11 13 | 10 45 | 6 5 | 5 39 | 3 5 |
| F 23 | 23 26 | 19 14 | 3 55 | 18 30 | 2 37 | 22 2 | 1 35 | 17 36 | 4 51 | 23 9 | 0 12 | 11 56 | 1 51 | 18 11 | 0 42 | 20 39 | 1 28 | 9 41 | 17 2 | 11 16 | 10 46 | 6 3 | 5 39 | 3 6 |
| S 24 | 23 23 | 18 19 | 2 59 | 18 16 | 2 51 | 21 47 | 1 35 | 17 35 | 4 55 | 23 9 | 0 12 | 11 56 | 1 52 | 18 12 | 0 42 | 20 39 | 1 28 | 9 40 | 17 1 | 11 18 | 10 47 | 6 1 | 5 39 | 3 6 |
| S 25 | 23 20 | 16 14 | 1 52 | 18 2 | 3 6 | 21 31 | 1 36 | 17 34 | 4 59 | 23 10 | 0 12 | 11 57 | 1 52 | 18 12 | 0 42 | 20 38 | 1 28 | 9 40 | 17 1 | 11 20 | 10 48 | 5 59 | 5 40 | 3 6 |
| M26 | 23 16 | 13 8 | 0 37 | 17 50 | 3 20 | 21 15 | 1 36 | 17 34 | 5 3 | 23 11 | 0 12 | 11 58 | 1 52 | 18 13 | 0 42 | 20 38 | 1 28 | 9 39 | 17 0 | 11 21 | 10 50 | 5 58 | 5 40 | 3 6 |
| T 27 | 23 12 | 9 14 | 0n40 | 17 39 | 3 33 | 20 58 | 1 36 | 17 34 | 5 7 | 23 12 | 0 12 | 11 59 | 1 52 | 18 13 | 0 42 | 20 38 | 1 28 | 9 38 | 16 59 | 11 21 | 10 51 | 5 56 | 5 40 | 3 6 |
| W28 | 23 8 | 4 50 | 1 55 | 17 30 | 3 46 | 20 41 | 1 36 | 17 34 | 5 11 | 23 13 | 0 12 | 12 0 | 1 53 | 18 14 | 0 42 | 20 38 | 1 28 | 9 38 | 16 59 | 11 20 | 10 52 | 5 54 | 5 40 | 3 6 |
| T 29 | 23 3 | 0 11 | 3 2 | 17 22 | 3 58 | 20 23 | 1 37 | 17 34 | 5 14 | 23 13 | 0 12 | 12 1 | 1 53 | 18 15 | 0 42 | 20 38 | 1 28 | 9 37 | 16 58 | 11 20 | 10 53 | 5 52 | 5 41 | 3 6 |
| F 30 | 22n58 | 4s25 | 3n57 | 17n16 | 4s10 | 20n 4 | 1n37 | 17s34 | 5s18 | 23n14 | 0s12 | 12s 1 | 1s53 | 18s15 | 0s42 | 20s38 | 1n28 | 9n36 | 16n58 | 11n20 | 10n54 | 5s50 | 5n41 | 3n 6 |

Julian Day Number = 2083902.5, Delta T = 24m56s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'39, Lahiri = 9°49'40 Julian Calendar 1 June 993 == Greg. Calendar 6 June 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## JULY 993 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 56 52 | 13♋36'24 | 4♏28 | 23°R51 | 8♌38 | 27♒ 4 | 24♊12 | 3°R29 | 10°R55 | 10°R 1 | 15♎14 | 0°R32 | 1♍43 | 18♓56 | 7♈ 6 | S 1 |
| S 2 | 19 0 49 | 14°33'39 | 18°13 | 23♋16 | 9°51 | 27°11 | 24°25 | 3♓27 | 10♒53 | 9♐59 | 15°15 | 0♍28 | 1°40 | 19° 2 | 7° 7 | S 2 |
| M 3 | 19 4 45 | 15°30'54 | 1♐47 | 22°38 | 11° 4 | 27°18 | 24°38 | 3°24 | 10°51 | 9°58 | 15°15 | 0°23 | 1°37 | 19° 9 | 7° 7 | M 3 |
| T 4 | 19 8 42 | 16°28'10 | 15° 9 | 21°58 | 12°17 | 27°23 | 24°51 | 3°22 | 10°49 | 9°57 | 15°16 | 0°16 | 1°33 | 19°16 | 7° 7 | T 4 |
| W 5 | 19 12 38 | 17°25'27 | 28°17 | 21°16 | 13°30 | 27°28 | 25° 5 | 3°20 | 10°47 | 9°56 | 15°16 | 0° 8 | 1°30 | 19°22 | 7°R 7 | W 5 |
| T 6 | 19 16 35 | 18°22'44 | 11♑12 | 20°33 | 14°42 | 27°32 | 25°18 | 3°17 | 10°44 | 9°54 | 15°17 | 0° 2 | 1°27 | 19°29 | 7° 7 | T 6 |
| F 7 | 19 20 31 | 19°20'02 | 23°52 | 19°49 | 15°55 | 27°36 | 25°31 | 3°15 | 10°42 | 9°53 | 15°17 | 29♎56 | 1°24 | 19°36 | 7° 7 | F 7 |
| S 8 | 19 24 28 | 20°17'21 | 6♒17 | 19° 6 | 17° 8 | 27°39 | 25°44 | 3°12 | 10°40 | 9°52 | 15°18 | 29°52 | 1°21 | 19°42 | 7° 7 | S 8 |
| S 9 | 19 28 24 | 21°14'40 | 18°30 | 18°24 | 18°21 | 27°40 | 25°57 | 3° 9 | 10°38 | 9°51 | 15°18 | 29°49 | 1°18 | 19°49 | 7° 6 | S 9 |
| M10 | 19 32 21 | 22°12'01 | 0♓31 | 17°44 | 19°33 | 27°41 | 26° 9 | 3° 6 | 10°36 | 9°50 | 15°19 | 29°D49 | 1°14 | 19°56 | 7° 6 | M10 |
| T 11 | 19 36 18 | 23° 9'22 | 12°25 | 17° 7 | 20°46 | 27°R42 | 26°22 | 3° 4 | 10°33 | 9°49 | 15°20 | 29°49 | 1°11 | 20° 2 | 7° 6 | T 11 |
| W12 | 19 40 14 | 24° 6'45 | 24°14 | 16°33 | 21°59 | 27°41 | 26°35 | 3° 1 | 10°31 | 9°48 | 15°21 | 29°51 | 1° 8 | 20° 9 | 7° 6 | W12 |
| T 13 | 19 44 11 | 25° 4'09 | 6♈ 2 | 16° 4 | 23°11 | 27°40 | 26°48 | 2°58 | 10°29 | 9°47 | 15°21 | 29°52 | 1° 5 | 20°16 | 7° 5 | T 13 |
| F 14 | 19 48 7 | 26° 1'34 | 17°56 | 15°39 | 24°24 | 27°37 | 27° 1 | 2°54 | 10°27 | 9°46 | 15°22 | 29°54 | 1° 2 | 20°22 | 7° 5 | F 14 |
| S 15 | 19 52 4 | 26°59'00 | 29°59 | 15°19 | 25°37 | 27°34 | 27°13 | 2°51 | 10°24 | 9°45 | 15°23 | 29°R54 | 0°58 | 20°29 | 7° 4 | S 15 |
| S 16 | 19 56 0 | 27°56'28 | 12♉16 | 15° 5 | 26°49 | 27°31 | 27°26 | 2°48 | 10°22 | 9°44 | 15°24 | 29°53 | 0°55 | 20°36 | 7° 4 | S 16 |
| M17 | 19 59 57 | 28°53'57 | 24°53 | 14°57 | 28° 2 | 27°26 | 27°39 | 2°45 | 10°20 | 9°43 | 15°25 | 29°51 | 0°52 | 20°42 | 7° 3 | M17 |
| T 18 | 20 3 53 | 29°51'27 | 7♊52 | 14°D56 | 29°14 | 27°21 | 27°51 | 2°41 | 10°17 | 9°42 | 15°26 | 29°47 | 0°49 | 20°49 | 7° 2 | T 18 |
| W19 | 20 7 50 | 0♌48'59 | 21°16 | 15° 1 | 0♏27 | 27°14 | 28° 4 | 2°38 | 10°15 | 9°41 | 15°27 | 29°43 | 0°46 | 20°55 | 7° 2 | W19 |
| T 20 | 20 11 47 | 1°46'32 | 5♋ 4 | 15°13 | 1°39 | 27° 7 | 28°16 | 2°34 | 10°13 | 9°40 | 15°28 | 29°39 | 0°43 | 21° 2 | 7° 1 | T 20 |
| F 21 | 20 15 43 | 2°44'07 | 19°15 | 15°32 | 2°52 | 27° 0 | 28°28 | 2°30 | 10°10 | 9°39 | 15°29 | 29°35 | 0°39 | 21° 9 | 7° 0 | F 21 |
| S 22 | 20 19 40 | 3°41'43 | 3♌45 | 15°58 | 4° 4 | 26°51 | 28°41 | 2°27 | 10° 8 | 9°39 | 15°30 | 29°32 | 0°36 | 21°15 | 6°59 | S 22 |
| S 23 | 20 23 36 | 4°39'19 | 18°27 | 16°31 | 5°16 | 26°42 | 28°53 | 2°23 | 10° 6 | 9°38 | 15°31 | 29°31 | 0°33 | 21°22 | 6°59 | S 23 |
| M24 | 20 27 33 | 5°36'58 | 3♍15 | 17°11 | 6°29 | 26°32 | 29° 5 | 2°19 | 10° 3 | 9°37 | 15°32 | 29°D30 | 0°30 | 21°29 | 6°58 | M24 |
| T 25 | 20 31 29 | 6°34'37 | 18° 1 | 17°58 | 7°41 | 26°22 | 29°17 | 2°15 | 10° 1 | 9°36 | 15°33 | 29°31 | 0°27 | 21°35 | 6°57 | T 25 |
| W26 | 20 35 26 | 7°32'17 | 2♎39 | 18°51 | 8°53 | 26°11 | 29°29 | 2°11 | 9°58 | 9°36 | 15°34 | 29°32 | 0°24 | 21°42 | 6°56 | W26 |
| T 27 | 20 39 22 | 8°29'58 | 17° 4 | 19°51 | 10° 6 | 25°59 | 29°41 | 2° 7 | 9°56 | 9°35 | 15°35 | 29°34 | 0°20 | 21°49 | 6°54 | T 27 |
| F 28 | 20 43 19 | 9°27'41 | 1♏14 | 20°57 | 11°18 | 25°47 | 29°53 | 2° 3 | 9°54 | 9°34 | 15°37 | 29°35 | 0°17 | 21°55 | 6°53 | F 28 |
| S 29 | 20 47 16 | 10°25'24 | 15° 7 | 22° 9 | 12°30 | 25°34 | 0♋ 5 | 1°59 | 9°51 | 9°34 | 15°38 | 29°R35 | 0°14 | 22° 2 | 6°52 | S 29 |
| S 30 | 20 51 12 | 11°23'09 | 28°43 | 23°27 | 13°42 | 25°21 | 0°17 | 1°55 | 9°49 | 9°33 | 15°39 | 29°34 | 0°11 | 22° 9 | 6°51 | S 30 |
| M31 | 20 55 9 | 12♌20'55 | 12♐ 1 | 24♋50 | 14♍54 | 25♒ 7 | 0♋29 | 1♓51 | 9♒46 | 9♐33 | 15♎40 | 29♌32 | 0♍ 8 | 22♓15 | 6♈50 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n52 | 8s43 | 4n38 | 17n11 | 4s20 | 19n45 | 1n37 | 17s35 | 5s22 | 23n15 | 0s12 | 12s 2 | 1s53 | 18s16 | 0s42 | 20s37 | 1n28 | 9n36 | 16n57 | 11n21 | 10n55 | 5s48 | 5n41 | 3n 6 |
| S 2 | 22 46 | 12 31 | 5 2 | 17 8 | 4 29 | 19 26 | 1 37 | 17 36 | 5 26 | 23 15 | 0 12 | 12 3 | 1 53 | 18 16 | 0 42 | 20 37 | 1 28 | 9 35 | 16 56 | 11 22 | 10 56 | 5 47 | 5 41 | 3 7 |
| M 3 | 22 40 | 15 35 | 5 9 | 17 6 | 4 37 | 19 5 | 1 36 | 17 38 | 5 30 | 23 16 | 0 11 | 12 4 | 1 54 | 18 17 | 0 42 | 20 37 | 1 28 | 9 34 | 16 56 | 11 24 | 10 58 | 5 45 | 5 41 | 3 7 |
| T 4 | 22 33 | 17 47 | 4 59 | 17 7 | 4 43 | 18 45 | 1 36 | 17 39 | 5 33 | 23 17 | 0 11 | 12 6 | 1 54 | 18 17 | 0 42 | 20 37 | 1 28 | 9 34 | 16 55 | 11 26 | 10 59 | 5 43 | 5 42 | 3 7 |
| W 5 | 22 26 | 19 1 | 4 33 | 17 9 | 4 47 | 18 24 | 1 36 | 17 41 | 5 37 | 23 17 | 0 11 | 12 7 | 1 54 | 18 18 | 0 42 | 20 37 | 1 28 | 9 33 | 16 55 | 11 29 | 11 0 | 5 41 | 5 42 | 3 7 |
| T 6 | 22 18 | 19 13 | 3 53 | 17 12 | 4 51 | 18 2 | 1 36 | 17 43 | 5 41 | 23 18 | 0 11 | 12 8 | 1 54 | 18 19 | 0 42 | 20 37 | 1 27 | 9 32 | 16 54 | 11 31 | 11 1 | 5 39 | 5 42 | 3 7 |
| F 7 | 22 10 | 18 27 | 3 3 | 17 17 | 4 52 | 17 40 | 1 35 | 17 45 | 5 44 | 23 18 | 0 11 | 12 9 | 1 55 | 18 19 | 0 42 | 20 37 | 1 27 | 9 31 | 16 54 | 11 33 | 11 2 | 5 37 | 5 42 | 3 7 |
| S 8 | 22 2 | 16 47 | 2 5 | 17 23 | 4 51 | 17 17 | 1 35 | 17 47 | 5 48 | 23 19 | 0 11 | 12 10 | 1 55 | 18 20 | 0 42 | 20 37 | 1 27 | 9 31 | 16 53 | 11 35 | 11 3 | 5 35 | 5 42 | 3 7 |
| S 9 | 21 53 | 14 24 | 1 1 | 17 31 | 4 49 | 16 54 | 1 34 | 17 50 | 5 52 | 23 19 | 0 11 | 12 11 | 1 55 | 18 21 | 0 42 | 20 36 | 1 27 | 9 30 | 16 52 | 11 36 | 11 4 | 5 34 | 5 42 | 3 7 |
| M10 | 21 44 | 11 24 | 0s 4 | 17 40 | 4 45 | 16 31 | 1 33 | 17 53 | 5 55 | 23 20 | 0 11 | 12 12 | 1 55 | 18 21 | 0 42 | 20 36 | 1 27 | 9 29 | 16 52 | 11 36 | 11 5 | 5 32 | 5 42 | 3 7 |
| T 11 | 21 34 | 7 59 | 1 8 | 17 51 | 4 39 | 16 7 | 1 33 | 17 56 | 5 59 | 23 20 | 0 11 | 12 14 | 1 55 | 18 22 | 0 42 | 20 36 | 1 27 | 9 28 | 16 51 | 11 36 | 11 7 | 5 30 | 5 42 | 3 7 |
| W12 | 21 24 | 4 17 | 2 9 | 18 2 | 4 32 | 15 42 | 1 32 | 18 0 | 6 2 | 23 21 | 0 11 | 12 15 | 1 56 | 18 22 | 0 42 | 20 36 | 1 27 | 9 28 | 16 51 | 11 35 | 11 8 | 5 28 | 5 42 | 3 8 |
| T 13 | 21 14 | 0 25 | 3 5 | 18 14 | 4 23 | 15 17 | 1 31 | 18 3 | 6 5 | 23 21 | 0 11 | 12 16 | 1 56 | 18 23 | 0 42 | 20 36 | 1 27 | 9 27 | 16 50 | 11 35 | 11 9 | 5 26 | 5 42 | 3 8 |
| F 14 | 21 3 | 3n29 | 3 53 | 18 27 | 4 13 | 14 52 | 1 30 | 18 7 | 6 8 | 23 21 | 0 11 | 12 18 | 1 56 | 18 24 | 0 42 | 20 36 | 1 27 | 9 26 | 16 49 | 11 34 | 11 10 | 5 24 | 5 42 | 3 8 |
| S 15 | 20 52 | 7 17 | 4 32 | 18 41 | 4 2 | 14 27 | 1 29 | 18 11 | 6 12 | 23 22 | 0 10 | 12 19 | 1 56 | 18 24 | 0 42 | 20 36 | 1 27 | 9 25 | 16 49 | 11 34 | 11 11 | 5 22 | 5 42 | 3 8 |
| S 16 | 20 41 | 10 52 | 4 59 | 18 55 | 3 49 | 14 1 | 1 28 | 18 15 | 6 15 | 23 22 | 0 10 | 12 20 | 1 56 | 18 25 | 0 42 | 20 36 | 1 27 | 9 24 | 16 48 | 11 34 | 11 12 | 5 21 | 5 42 | 3 8 |
| M17 | 20 29 | 14 2 | 5 12 | 19 9 | 3 35 | 13 34 | 1 26 | 18 20 | 6 18 | 23 23 | 0 10 | 12 22 | 1 57 | 18 26 | 0 42 | 20 36 | 1 27 | 9 23 | 16 48 | 11 35 | 11 13 | 5 19 | 5 41 | 3 8 |
| T 18 | 20 17 | 16 38 | 5 10 | 19 24 | 3 21 | 13 8 | 1 25 | 18 24 | 6 21 | 23 23 | 0 10 | 12 23 | 1 57 | 18 26 | 0 42 | 20 35 | 1 27 | 9 23 | 16 47 | 11 36 | 11 15 | 5 17 | 5 41 | 3 8 |
| W19 | 20 5 | 18 26 | 4 52 | 19 38 | 3 6 | 12 41 | 1 24 | 18 29 | 6 23 | 23 23 | 0 10 | 12 25 | 1 57 | 18 27 | 0 42 | 20 35 | 1 27 | 9 22 | 16 47 | 11 38 | 11 16 | 5 15 | 5 41 | 3 8 |
| T 20 | 19 52 | 19 13 | 4 16 | 19 53 | 2 50 | 12 14 | 1 22 | 18 34 | 6 26 | 23 23 | 0 10 | 12 26 | 1 57 | 18 28 | 0 42 | 20 35 | 1 27 | 9 21 | 16 46 | 11 39 | 11 17 | 5 13 | 5 41 | 3 8 |
| F 21 | 19 39 | 18 49 | 3 24 | 20 7 | 2 34 | 11 46 | 1 21 | 18 39 | 6 28 | 23 24 | 0 10 | 12 27 | 1 57 | 18 28 | 0 42 | 20 35 | 1 27 | 9 20 | 16 46 | 11 41 | 11 18 | 5 11 | 5 41 | 3 9 |
| S 22 | 19 26 | 17 12 | 2 17 | 20 20 | 2 18 | 11 18 | 1 19 | 18 44 | 6 31 | 23 24 | 0 10 | 12 29 | 1 57 | 18 29 | 0 43 | 20 35 | 1 27 | 9 19 | 16 45 | 11 42 | 11 19 | 5 9 | 5 40 | 3 9 |
| S 23 | 19 12 | 14 25 | 1 1 | 20 32 | 2 1 | 10 50 | 1 18 | 18 49 | 6 33 | 23 24 | 0 10 | 12 31 | 1 58 | 18 30 | 0 43 | 20 35 | 1 27 | 9 18 | 16 44 | 11 42 | 11 20 | 5 7 | 5 40 | 3 9 |
| M24 | 18 58 | 10 41 | 0n21 | 20 44 | 1 44 | 10 21 | 1 16 | 18 55 | 6 35 | 23 24 | 0 10 | 12 32 | 1 58 | 18 30 | 0 43 | 20 35 | 1 27 | 9 17 | 16 44 | 11 42 | 11 21 | 5 5 | 5 40 | 3 9 |
| T 25 | 18 44 | 6 18 | 1 40 | 20 54 | 1 28 | 9 53 | 1 14 | 19 0 | 6 37 | 23 24 | 0 10 | 12 34 | 1 58 | 18 31 | 0 43 | 20 35 | 1 27 | 9 16 | 16 43 | 11 42 | 11 22 | 5 4 | 5 40 | 3 9 |
| W26 | 18 29 | 1 35 | 2 53 | 21 3 | 1 12 | 9 24 | 1 12 | 19 6 | 6 39 | 23 25 | 0 9 | 12 35 | 1 58 | 18 32 | 0 43 | 20 35 | 1 27 | 9 15 | 16 43 | 11 42 | 11 24 | 5 2 | 5 39 | 3 9 |
| T 27 | 18 14 | 3s 9 | 3 53 | 21 10 | 0 56 | 8 54 | 1 10 | 19 11 | 6 41 | 23 25 | 0 9 | 12 37 | 1 58 | 18 32 | 0 43 | 20 35 | 1 27 | 9 14 | 16 42 | 11 41 | 11 25 | 5 0 | 5 39 | 3 9 |
| F 28 | 17 59 | 7 37 | 4 38 | 21 16 | 0 40 | 8 25 | 1 8 | 19 17 | 6 42 | 23 25 | 0 9 | 12 38 | 1 58 | 18 33 | 0 43 | 20 35 | 1 26 | 9 13 | 16 42 | 11 41 | 11 26 | 4 58 | 5 38 | 3 9 |
| S 29 | 17 43 | 11 35 | 5 6 | 21 19 | 0 25 | 7 55 | 1 6 | 19 23 | 6 43 | 23 25 | 0 9 | 12 40 | 1 59 | 18 33 | 0 43 | 20 35 | 1 26 | 9 12 | 16 41 | 11 41 | 11 27 | 4 56 | 5 38 | 3 9 |
| S 30 | 17 27 | 14 50 | 5 16 | 21 20 | 0 11 | 7 26 | 1 4 | 19 28 | 6 44 | 23 25 | 0 9 | 12 42 | 1 59 | 18 34 | 0 43 | 20 35 | 1 26 | 9 11 | 16 41 | 11 41 | 11 28 | 4 54 | 5 38 | 3 9 |
| M31 | 17n11 | 17s15 | 5n 9 | 21n19 | 0n 3 | 6n56 | 1n 2 | 19s34 | 6s45 | 23n25 | 0s 9 | 12s43 | 1s59 | 18s35 | 0s43 | 20s35 | 1n26 | 9n11 | 16n40 | 11n42 | 11n29 | 4s52 | 5n37 | 3n 9 |

Julian Day Number = 2083932.5, Delta T = 24m55s
Ecliptic obliquity = 23°34'02, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'44, Lahiri = 9°49'44 Julian Calendar 1 July 993 == Greg. Calendar 6 July 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## AUGUST 993 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 59 5 | 13♌18'42 | 25♐ 4 | 26♋19 | 16♍ 6 | 24°R53 | 0♋40 | 1°R47 | 9°R44 | 9°R32 | 15♎42 | 29°R30 | 0♍ 4 | 22♓22 | 6°R48 | T 1 |
| W 2 | 21 3 2 | 14°16'30 | 7♑51 | 27°52 | 17°18 | 24♒38 | 0°52 | 1♓43 | 9♒42 | 9♐32 | 15°43 | 29♌28 | 0° 1 | 22°29 | 6♈47 | W 2 |
| T 3 | 21 6 58 | 15°14'20 | 20°26 | 29°30 | 18°30 | 24°23 | 1° 3 | 1°38 | 9°39 | 9°31 | 15°45 | 29°26 | 29♌58 | 22°35 | 6°46 | T 3 |
| F 4 | 21 10 55 | 16°12'11 | 2♒48 | 1♌11 | 19°42 | 24° 8 | 1°15 | 1°34 | 9°37 | 9°31 | 15°46 | 29°24 | 29°55 | 22°42 | 6°44 | F 4 |
| S 5 | 21 14 51 | 17°10'04 | 14°59 | 2°56 | 20°54 | 23°53 | 1°26 | 1°30 | 9°34 | 9°31 | 15°48 | 29°23 | 29°52 | 22°49 | 6°43 | S 5 |
| S 6 | 21 18 48 | 18° 7'58 | 27° 1 | 4°44 | 22° 6 | 23°37 | 1°37 | 1°25 | 9°32 | 9°30 | 15°49 | 29°D23 | 29°49 | 22°55 | 6°41 | S 6 |
| M 7 | 21 22 45 | 19° 5'54 | 8♓56 | 6°34 | 23°18 | 23°21 | 1°49 | 1°21 | 9°30 | 9°30 | 15°51 | 29°23 | 29°45 | 23° 2 | 6°39 | M 7 |
| T 8 | 21 26 41 | 20° 3'51 | 20°47 | 8°27 | 24°30 | 23° 5 | 2° 0 | 1°16 | 9°27 | 9°30 | 15°52 | 29°24 | 29°42 | 23° 9 | 6°38 | T 8 |
| W 9 | 21 30 38 | 21° 1'51 | 2♈35 | 10°21 | 25°42 | 22°49 | 2°11 | 1°12 | 9°25 | 9°29 | 15°54 | 29°25 | 29°39 | 23°15 | 6°36 | W 9 |
| T 10 | 21 34 34 | 21°59'52 | 14°24 | 12°17 | 26°53 | 22°33 | 2°22 | 1° 7 | 9°23 | 9°29 | 15°55 | 29°25 | 29°36 | 23°22 | 6°34 | T 10 |
| F 11 | 21 38 31 | 22°57'55 | 26°18 | 14°13 | 28° 5 | 22°17 | 2°33 | 1° 3 | 9°20 | 9°29 | 15°57 | 29°26 | 29°33 | 23°29 | 6°33 | F 11 |
| S 12 | 21 42 27 | 23°55'59 | 8♉20 | 16°10 | 29°17 | 22° 1 | 2°43 | 0°58 | 9°18 | 9°29 | 15°59 | 29°27 | 29°29 | 23°35 | 6°31 | S 12 |
| S 13 | 21 46 24 | 24°54'06 | 20°36 | 18° 7 | 0♎28 | 21°45 | 2°54 | 0°54 | 9°16 | 9°29 | 16° 0 | 29°R27 | 29°26 | 23°42 | 6°29 | S 13 |
| M14 | 21 50 20 | 25°52'15 | 3♊10 | 20° 4 | 1°40 | 21°29 | 3° 5 | 0°49 | 9°14 | 9°29 | 16° 2 | 29°27 | 29°23 | 23°49 | 6°27 | M14 |
| T 15 | 21 54 17 | 26°50'27 | 16° 5 | 22° 1 | 2°52 | 21°13 | 3°15 | 0°45 | 9°11 | 9°29 | 16° 4 | 29°27 | 29°20 | 23°55 | 6°25 | T 15 |
| W16 | 21 58 14 | 27°48'40 | 29°25 | 23°58 | 4° 3 | 20°57 | 3°26 | 0°40 | 9° 9 | 9°D28 | 16° 5 | 29°26 | 29°17 | 24° 2 | 6°23 | W16 |
| T 17 | 22 2 10 | 28°46'55 | 13♋11 | 25°54 | 5°15 | 20°42 | 3°36 | 0°35 | 9° 7 | 9°28 | 16° 7 | 29°26 | 29°14 | 24° 9 | 6°21 | T 17 |
| F 18 | 22 6 7 | 29°45'12 | 27°23 | 27°50 | 6°26 | 20°27 | 3°46 | 0°31 | 9° 5 | 9°29 | 16° 9 | 29°D26 | 29°10 | 24°15 | 6°19 | F 18 |
| S 19 | 22 10 3 | 0♍43'31 | 12♌ 0 | 29°44 | 7°37 | 20°13 | 3°56 | 0°26 | 9° 2 | 9°29 | 16°11 | 29°26 | 29° 7 | 24°22 | 6°17 | S 19 |
| S 20 | 22 14 0 | 1°41'53 | 26°54 | 1♍38 | 8°49 | 19°59 | 4° 6 | 0°21 | 9° 0 | 9°29 | 16°13 | 29°R26 | 29° 4 | 24°28 | 6°15 | S 20 |
| M21 | 22 17 56 | 2°40'16 | 11♍59 | 3°31 | 10° 0 | 19°45 | 4°16 | 0°17 | 8°58 | 9°29 | 16°15 | 29°26 | 29° 1 | 24°35 | 6°13 | M21 |
| T 22 | 22 21 53 | 3°38'41 | 27° 6 | 5°23 | 11°11 | 19°32 | 4°26 | 0°12 | 8°56 | 9°29 | 16°17 | 29°26 | 28°58 | 24°42 | 6°11 | T 22 |
| W23 | 22 25 49 | 4°37'07 | 12♎ 5 | 7°14 | 12°22 | 19°19 | 4°36 | 0° 8 | 8°54 | 9°29 | 16°18 | 29°26 | 28°55 | 24°48 | 6° 8 | W23 |
| T 24 | 22 29 46 | 5°35'35 | 26°50 | 9° 4 | 13°34 | 19° 7 | 4°45 | 0° 3 | 8°52 | 9°29 | 16°20 | 29°25 | 28°51 | 24°55 | 6° 6 | T 24 |
| F 25 | 22 33 42 | 6°34'05 | 11♏13 | 10°53 | 14°45 | 18°56 | 4°55 | 29♒58 | 8°50 | 9°30 | 16°22 | 29°24 | 28°48 | 25° 2 | 6° 4 | F 25 |
| S 26 | 22 37 39 | 7°32'37 | 25°14 | 12°41 | 15°56 | 18°45 | 5° 4 | 29°54 | 8°48 | 9°30 | 16°24 | 29°24 | 28°45 | 25° 8 | 6° 2 | S 26 |
| S 27 | 22 41 36 | 8°31'10 | 8♐50 | 14°27 | 17° 7 | 18°35 | 5°13 | 29°49 | 8°46 | 9°30 | 16°26 | 29°D24 | 28°42 | 25°15 | 5°59 | S 27 |
| M28 | 22 45 32 | 9°29'46 | 22° 2 | 16°13 | 18°18 | 18°26 | 5°22 | 29°45 | 8°44 | 9°31 | 16°28 | 29°24 | 28°39 | 25°22 | 5°57 | M28 |
| T 29 | 22 49 29 | 10°28'22 | 4♑54 | 17°57 | 19°28 | 18°17 | 5°31 | 29°40 | 8°42 | 9°31 | 16°30 | 29°25 | 28°35 | 25°28 | 5°55 | T 29 |
| W30 | 22 53 25 | 11°27'01 | 17°28 | 19°41 | 20°39 | 18° 9 | 5°40 | 29°36 | 8°40 | 9°32 | 16°32 | 29°26 | 28°32 | 25°35 | 5°52 | W30 |
| T 31 | 22 57 22 | 12♍25'41 | 29♑48 | 21♍24 | 21♎50 | 18♒ 1 | 5♋49 | 29♒31 | 8♒38 | 9♐32 | 16♎35 | 29♌27 | 28♌29 | 25♓42 | 5♈50 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16n55 | 18s43 | 4n45 | 21n16 | 0n16 | 6n25 | 0n59 | 19s40 | 6s46 | 23n25 | 0s 9 | 12s45 | 1s59 | 18s35 | 0s43 | 20s35 | 1n26 | 9n10 | 16n40 | 11n42 | 11n30 | 4s50 | 5n37 | 3n10 |
| W 2 | 16 38 | 19 12 | 4 8 | 21 10 | 0 28 | 5 55 | 0 57 | 19 45 | 6 47 | 23 25 | 0 9 | 12 47 | 1 59 | 18 36 | 0 43 | 20 35 | 1 26 | 9 9 | 16 39 | 11 43 | 11 31 | 4 48 | 5 36 | 3 10 |
| T 3 | 16 21 | 18 43 | 3 19 | 21 1 | 0 40 | 5 24 | 0 55 | 19 51 | 6 47 | 23 25 | 0 9 | 12 48 | 1 59 | 18 37 | 0 43 | 20 35 | 1 26 | 9 8 | 16 39 | 11 44 | 11 33 | 4 47 | 5 36 | 3 10 |
| F 4 | 16 4 | 17 20 | 2 22 | 20 49 | 0 50 | 4 54 | 0 52 | 19 56 | 6 47 | 23 25 | 0 9 | 12 50 | 1 59 | 18 37 | 0 43 | 20 35 | 1 26 | 9 7 | 16 38 | 11 44 | 11 34 | 4 45 | 5 35 | 3 10 |
| S 5 | 15 46 | 15 10 | 1 19 | 20 35 | 1 0 | 4 23 | 0 50 | 20 1 | 6 47 | 23 25 | 0 9 | 12 52 | 2 0 | 18 38 | 0 43 | 20 35 | 1 26 | 9 6 | 16 38 | 11 45 | 11 35 | 4 43 | 5 35 | 3 10 |
| S 6 | 15 29 | 12 22 | 0 13 | 20 18 | 1 9 | 3 52 | 0 47 | 20 7 | 6 47 | 23 25 | 0 8 | 12 53 | 2 0 | 18 39 | 0 43 | 20 35 | 1 26 | 9 5 | 16 37 | 11 45 | 11 36 | 4 41 | 5 34 | 3 10 |
| M 7 | 15 11 | 9 5 | 0s53 | 19 58 | 1 17 | 3 21 | 0 44 | 20 12 | 6 47 | 23 25 | 0 8 | 12 55 | 2 0 | 18 39 | 0 43 | 20 35 | 1 26 | 9 4 | 16 37 | 11 45 | 11 37 | 4 39 | 5 34 | 3 10 |
| T 8 | 14 52 | 5 27 | 1 56 | 19 36 | 1 24 | 2 50 | 0 42 | 20 16 | 6 46 | 23 25 | 0 8 | 12 57 | 2 0 | 18 40 | 0 43 | 20 35 | 1 26 | 9 3 | 16 36 | 11 45 | 11 38 | 4 37 | 5 33 | 3 10 |
| W 9 | 14 34 | 1 38 | 2 54 | 19 11 | 1 30 | 2 19 | 0 39 | 20 21 | 6 45 | 23 25 | 0 8 | 12 58 | 2 0 | 18 41 | 0 43 | 20 35 | 1 26 | 9 2 | 16 36 | 11 44 | 11 39 | 4 35 | 5 32 | 3 10 |
| T 10 | 14 15 | 2n15 | 3 45 | 18 43 | 1 35 | 1 48 | 0 36 | 20 26 | 6 44 | 23 25 | 0 8 | 13 0 | 2 0 | 18 41 | 0 43 | 20 35 | 1 26 | 9 0 | 16 35 | 11 44 | 11 40 | 4 33 | 5 32 | 3 10 |
| F 11 | 13 56 | 6 4 | 4 26 | 18 14 | 1 39 | 1 16 | 0 33 | 20 30 | 6 43 | 23 25 | 0 8 | 13 2 | 2 0 | 18 42 | 0 43 | 20 35 | 1 26 | 8 59 | 16 35 | 11 44 | 11 42 | 4 31 | 5 31 | 3 10 |
| S 12 | 13 37 | 9 41 | 4 57 | 17 42 | 1 42 | 0 45 | 0 30 | 20 34 | 6 42 | 23 24 | 0 8 | 13 4 | 2 0 | 18 42 | 0 43 | 20 35 | 1 26 | 8 58 | 16 34 | 11 44 | 11 43 | 4 29 | 5 31 | 3 10 |
| S 13 | 13 17 | 12 57 | 5 14 | 17 8 | 1 45 | 0 13 | 0 27 | 20 38 | 6 40 | 23 24 | 0 8 | 13 5 | 2 0 | 18 43 | 0 43 | 20 35 | 1 26 | 8 57 | 16 34 | 11 44 | 11 44 | 4 28 | 5 30 | 3 10 |
| M14 | 12 58 | 15 43 | 5 17 | 16 33 | 1 46 | 0s18 | 0 24 | 20 41 | 6 38 | 23 24 | 0 8 | 13 7 | 2 0 | 18 44 | 0 43 | 20 35 | 1 26 | 8 56 | 16 34 | 11 44 | 11 45 | 4 26 | 5 29 | 3 10 |
| T 15 | 12 38 | 17 47 | 5 5 | 15 56 | 1 47 | 0 49 | 0 21 | 20 45 | 6 36 | 23 24 | 0 8 | 13 9 | 2 1 | 18 44 | 0 43 | 20 35 | 1 26 | 8 55 | 16 33 | 11 44 | 11 46 | 4 24 | 5 28 | 3 11 |
| W16 | 12 18 | 18 58 | 4 36 | 15 17 | 1 47 | 1 21 | 0 18 | 20 48 | 6 34 | 23 24 | 0 8 | 13 10 | 2 1 | 18 45 | 0 43 | 20 35 | 1 25 | 8 54 | 16 33 | 11 44 | 11 47 | 4 22 | 5 28 | 3 11 |
| T 17 | 11 58 | 19 6 | 3 50 | 14 38 | 1 47 | 1 52 | 0 14 | 20 51 | 6 32 | 23 24 | 0 7 | 13 12 | 2 1 | 18 45 | 0 42 | 20 35 | 1 25 | 8 53 | 16 32 | 11 44 | 11 48 | 4 20 | 5 27 | 3 11 |
| F 18 | 11 37 | 18 2 | 2 49 | 13 57 | 1 46 | 2 24 | 0 11 | 20 53 | 6 29 | 23 23 | 0 7 | 13 14 | 2 1 | 18 46 | 0 42 | 20 35 | 1 25 | 8 52 | 16 32 | 11 44 | 11 49 | 4 18 | 5 26 | 3 11 |
| S 19 | 11 16 | 15 45 | 1 36 | 13 15 | 1 44 | 2 55 | 0 8 | 20 56 | 6 27 | 23 23 | 0 7 | 13 16 | 2 1 | 18 46 | 0 42 | 20 35 | 1 25 | 8 51 | 16 31 | 11 44 | 11 50 | 4 16 | 5 25 | 3 11 |
| S 20 | 10 56 | 12 23 | 0 14 | 12 32 | 1 42 | 3 27 | 0 5 | 20 57 | 6 24 | 23 23 | 0 7 | 13 17 | 2 1 | 18 47 | 0 42 | 20 35 | 1 25 | 8 50 | 16 31 | 11 44 | 11 52 | 4 14 | 5 25 | 3 11 |
| M21 | 10 35 | 8 10 | 1n 9 | 11 49 | 1 39 | 3 58 | 0 1 | 20 59 | 6 21 | 23 23 | 0 7 | 13 19 | 2 1 | 18 48 | 0 42 | 20 35 | 1 25 | 8 49 | 16 31 | 11 44 | 11 53 | 4 12 | 5 24 | 3 11 |
| T 22 | 10 13 | 3 25 | 2 28 | 11 5 | 1 36 | 4 29 | 0s 2 | 21 0 | 6 18 | 23 23 | 0 7 | 13 21 | 2 1 | 18 48 | 0 42 | 20 35 | 1 25 | 8 48 | 16 30 | 11 44 | 11 54 | 4 10 | 5 23 | 3 11 |
| W23 | 9 52 | 1s30 | 3 36 | 10 20 | 1 33 | 5 0 | 0 6 | 21 1 | 6 15 | 23 22 | 0 7 | 13 22 | 2 1 | 18 49 | 0 42 | 20 35 | 1 25 | 8 47 | 16 30 | 11 44 | 11 55 | 4 8 | 5 22 | 3 11 |
| T 24 | 9 31 | 6 14 | 4 28 | 9 35 | 1 29 | 5 31 | 0 9 | 21 2 | 6 11 | 23 22 | 0 7 | 13 24 | 2 1 | 18 49 | 0 42 | 20 35 | 1 25 | 8 46 | 16 29 | 11 44 | 11 56 | 4 6 | 5 21 | 3 11 |
| F 25 | 9 9 | 10 30 | 5 2 | 8 49 | 1 24 | 6 2 | 0 13 | 21 2 | 6 8 | 23 22 | 0 7 | 13 26 | 2 1 | 18 50 | 0 42 | 20 36 | 1 25 | 8 45 | 16 29 | 11 44 | 11 57 | 4 4 | 5 20 | 3 11 |
| S 26 | 8 47 | 14 3 | 5 17 | 8 4 | 1 20 | 6 33 | 0 16 | 21 2 | 6 4 | 23 22 | 0 7 | 13 27 | 2 1 | 18 50 | 0 42 | 20 36 | 1 25 | 8 44 | 16 29 | 11 45 | 11 58 | 4 3 | 5 20 | 3 11 |
| S 27 | 8 25 | 16 44 | 5 13 | 7 18 | 1 15 | 7 4 | 0 20 | 21 2 | 6 0 | 23 21 | 0 7 | 13 29 | 2 1 | 18 51 | 0 42 | 20 36 | 1 25 | 8 43 | 16 28 | 11 45 | 11 59 | 4 1 | 5 19 | 3 11 |
| M28 | 8 3 | 18 27 | 4 53 | 6 32 | 1 9 | 7 34 | 0 24 | 21 1 | 5 56 | 23 21 | 0 6 | 13 31 | 2 1 | 18 51 | 0 42 | 20 36 | 1 25 | 8 41 | 16 28 | 11 45 | 12 0 | 3 59 | 5 18 | 3 11 |
| T 29 | 7 41 | 19 10 | 4 19 | 5 46 | 1 4 | 8 5 | 0 27 | 21 0 | 5 52 | 23 21 | 0 6 | 13 32 | 2 1 | 18 52 | 0 42 | 20 36 | 1 25 | 8 40 | 16 28 | 11 44 | 12 2 | 3 57 | 5 17 | 3 11 |
| W30 | 7 18 | 18 54 | 3 33 | 5 0 | 0 58 | 8 35 | 0 31 | 20 59 | 5 48 | 23 20 | 0 6 | 13 34 | 2 1 | 18 52 | 0 42 | 20 36 | 1 25 | 8 39 | 16 27 | 11 44 | 12 3 | 3 55 | 5 16 | 3 11 |
| T 31 | 6n56 | 17s44 | 2n37 | 4n13 | 0n52 | 9s 5 | 0s35 | 20s57 | 5s44 | 23n20 | 0s 6 | 13s35 | 2s 1 | 18s53 | 0s42 | 20s36 | 1n25 | 8n38 | 16n27 | 11n44 | 12n 4 | 3s53 | 5n15 | 3n11 |

Julian Day Number = 2083963.5, Delta T = 24m55s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'48, Lahiri = 9°49'48 Julian Calendar 1 Aug. 993 == Greg. Calendar 6 Aug. 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## SEPTEMBER 993 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 23 1 18 | 13♍24'23 | 11♒56 | 23♍ 5 | 23♎ 1 | 17°R55 | 5♋58 | 29°R27 | 8°R36 | 9♐32 | 16♎37 | 29♌28 | 28♌26 | 25♓48 | 5°R47 | F 1 |
| S 2 | 23 5 15 | 14°23'07 | 23°55 | 24°46 | 24°11 | 17♒49 | 6° 6 | 29♒23 | 8♒35 | 9°33 | 16°39 | 29°R29 | 28°23 | 25°55 | 5♈45 | S 2 |
| S 3 | 23 9 11 | 15°21'53 | 5♓49 | 26°25 | 25°22 | 17°44 | 6°15 | 29°18 | 8°33 | 9°34 | 16°41 | 29°28 | 28°20 | 26° 2 | 5°42 | S 3 |
| M 4 | 23 13 8 | 16°20'41 | 17°39 | 28° 4 | 26°32 | 17°40 | 6°23 | 29°14 | 8°31 | 9°34 | 16°43 | 29°28 | 28°16 | 26° 8 | 5°40 | M 4 |
| T 5 | 23 17 5 | 17°19'31 | 29°28 | 29°41 | 27°43 | 17°36 | 6°31 | 29°10 | 8°29 | 9°35 | 16°45 | 29°26 | 28°13 | 26°15 | 5°37 | T 5 |
| W 6 | 23 21 1 | 18°18'23 | 11♈17 | 1♎18 | 28°53 | 17°34 | 6°39 | 29° 5 | 8°28 | 9°35 | 16°47 | 29°23 | 28°10 | 26°22 | 5°35 | W 6 |
| T 7 | 23 24 58 | 19°17'17 | 23° 9 | 2°54 | 0♏ 3 | 17°32 | 6°47 | 29° 1 | 8°26 | 9°36 | 16°50 | 29°20 | 28° 7 | 26°28 | 5°32 | T 7 |
| F 8 | 23 28 54 | 20°16'13 | 5♉ 7 | 4°29 | 1°13 | 17°30 | 6°55 | 28°57 | 8°24 | 9°37 | 16°52 | 29°17 | 28° 4 | 26°35 | 5°29 | F 8 |
| S 9 | 23 32 51 | 21°15'12 | 17°13 | 6° 3 | 2°24 | 17°D30 | 7° 2 | 28°53 | 8°23 | 9°38 | 16°54 | 29°14 | 28° 1 | 26°42 | 5°27 | S 9 |
| S 10 | 23 36 47 | 22°14'12 | 29°30 | 7°36 | 3°34 | 17°30 | 7°10 | 28°49 | 8°21 | 9°38 | 16°56 | 29°11 | 27°57 | 26°48 | 5°24 | S 10 |
| M11 | 23 40 44 | 23°13'16 | 12♊ 1 | 9° 9 | 4°44 | 17°32 | 7°17 | 28°45 | 8°20 | 9°39 | 16°59 | 29° 9 | 27°54 | 26°55 | 5°22 | M11 |
| T 12 | 23 44 40 | 24°12'21 | 24°51 | 10°40 | 5°54 | 17°34 | 7°24 | 28°41 | 8°18 | 9°40 | 17° 1 | 29°D 9 | 27°51 | 27° 2 | 5°19 | T 12 |
| W13 | 23 48 37 | 25°11'30 | 8♋ 3 | 12°11 | 7° 3 | 17°36 | 7°31 | 28°37 | 8°17 | 9°41 | 17° 3 | 29° 9 | 27°48 | 27° 8 | 5°16 | W13 |
| T 14 | 23 52 34 | 26°10'40 | 21°40 | 13°40 | 8°13 | 17°40 | 7°38 | 28°33 | 8°16 | 9°42 | 17° 5 | 29°11 | 27°45 | 27°15 | 5°14 | T 14 |
| F 15 | 23 56 30 | 27° 9'53 | 5♌42 | 15° 9 | 9°23 | 17°44 | 7°45 | 28°30 | 8°14 | 9°43 | 17° 8 | 29°12 | 27°41 | 27°22 | 5°11 | F 15 |
| S 16 | 0 0 27 | 28° 9'08 | 20°11 | 16°37 | 10°32 | 17°49 | 7°52 | 28°26 | 8°13 | 9°44 | 17°10 | 29°13 | 27°38 | 27°28 | 5° 8 | S 16 |
| S 17 | 0 4 23 | 29° 8'25 | 5♍ 2 | 18° 5 | 11°42 | 17°55 | 7°58 | 28°22 | 8°12 | 9°45 | 17°12 | 29°R13 | 27°35 | 27°35 | 5° 5 | S 17 |
| M18 | 0 8 20 | 0♎ 7'45 | 20° 9 | 19°31 | 12°51 | 18° 2 | 8° 4 | 28°19 | 8°11 | 9°46 | 17°15 | 29°12 | 27°32 | 27°42 | 5° 3 | M18 |
| T 19 | 0 12 16 | 1° 7'07 | 5♎24 | 20°56 | 14° 1 | 18° 9 | 8°10 | 28°15 | 8° 9 | 9°47 | 17°17 | 29° 9 | 27°29 | 27°48 | 5° 0 | T 19 |
| W20 | 0 16 13 | 2° 6'30 | 20°36 | 22°21 | 15°10 | 18°17 | 8°16 | 28°12 | 8° 8 | 9°48 | 17°19 | 29° 5 | 27°26 | 27°55 | 4°57 | W20 |
| T 21 | 0 20 9 | 3° 5'56 | 5♏36 | 23°45 | 16°19 | 18°26 | 8°22 | 28° 8 | 8° 7 | 9°49 | 17°22 | 29° 0 | 27°22 | 28° 2 | 4°54 | T 21 |
| F 22 | 0 24 6 | 4° 5'24 | 20°14 | 25° 7 | 17°28 | 18°36 | 8°28 | 28° 5 | 8° 6 | 9°50 | 17°24 | 28°55 | 27°19 | 28° 8 | 4°52 | F 22 |
| S 23 | 0 28 2 | 5° 4'53 | 4♐27 | 26°29 | 18°37 | 18°46 | 8°33 | 28° 2 | 8° 5 | 9°51 | 17°26 | 28°51 | 27°16 | 28°15 | 4°49 | S 23 |
| S 24 | 0 31 59 | 6° 4'25 | 18°10 | 27°49 | 19°46 | 18°57 | 8°39 | 27°59 | 8° 4 | 9°53 | 17°29 | 28°48 | 27°13 | 28°22 | 4°46 | S 24 |
| M25 | 0 35 56 | 7° 3'58 | 1♑26 | 29° 9 | 20°55 | 19° 9 | 8°44 | 27°56 | 8° 3 | 9°54 | 17°31 | 28°D46 | 27°10 | 28°28 | 4°44 | M25 |
| T 26 | 0 39 52 | 8° 3'33 | 14°16 | 0♏27 | 22° 4 | 19°21 | 8°49 | 27°53 | 8° 2 | 9°55 | 17°34 | 28°46 | 27° 6 | 28°35 | 4°41 | T 26 |
| W27 | 0 43 49 | 9° 3'10 | 26°45 | 1°44 | 23°12 | 19°34 | 8°54 | 27°50 | 8° 2 | 9°56 | 17°36 | 28°47 | 27° 3 | 28°42 | 4°38 | W27 |
| T 28 | 0 47 45 | 10° 2'49 | 8♒57 | 3° 0 | 24°21 | 19°48 | 8°58 | 27°47 | 8° 1 | 9°58 | 17°38 | 28°49 | 27° 0 | 28°48 | 4°35 | T 28 |
| F 29 | 0 51 42 | 11° 2'29 | 20°58 | 4°14 | 25°29 | 20° 2 | 9° 3 | 27°44 | 8° 0 | 9°59 | 17°41 | 28°50 | 26°57 | 28°55 | 4°33 | F 29 |
| S 30 | 0 55 38 | 12♎ 2'11 | 2♓50 | 5♏26 | 26♏37 | 20♒17 | 9♋ 7 | 27♒42 | 8♒ 0 | 10♐ 1 | 17♎43 | 28°R50 | 26♌54 | 29♓ 2 | 4♈30 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n33 | 15s46 | 1n36 | 3n27 | 0n46 | 9s35 | 0s38 | 20s55 | 5s40 | 23n20 | 0s 6 | 13s37 | 2s 1 | 18s53 | 0s42 | 20s36 | 1n25 | 8n37 | 16n27 | 11n43 | 12n 5 | 3s51 | 5n14 | 3n11 |
| S 2 | 6 11 | 13 8 | 0 31 | 2 42 | 0 39 | 10 5 | 0 42 | 20 53 | 5 36 | 23 20 | 0 6 | 13 39 | 2 1 | 18 54 | 0 42 | 20 37 | 1 25 | 8 36 | 16 26 | 11 43 | 12 6 | 3 49 | 5 13 | 3 11 |
| S 3 | 5 48 | 9 58 | 0s35 | 1 56 | 0 33 | 10 34 | 0 46 | 20 51 | 5 31 | 23 19 | 0 6 | 13 40 | 2 1 | 18 54 | 0 42 | 20 37 | 1 24 | 8 35 | 16 26 | 11 43 | 12 7 | 3 47 | 5 12 | 3 11 |
| M 4 | 5 25 | 6 25 | 1 39 | 1 10 | 0 26 | 11 4 | 0 50 | 20 48 | 5 27 | 23 19 | 0 6 | 13 42 | 2 1 | 18 55 | 0 42 | 20 37 | 1 24 | 8 34 | 16 26 | 11 43 | 12 8 | 3 45 | 5 11 | 3 11 |
| T 5 | 5 2 | 2 38 | 2 38 | 0 25 | 0 19 | 11 33 | 0 53 | 20 45 | 5 22 | 23 19 | 0 6 | 13 43 | 2 1 | 18 55 | 0 42 | 20 37 | 1 24 | 8 33 | 16 26 | 11 44 | 12 9 | 3 43 | 5 10 | 3 11 |
| W 6 | 4 39 | 1n15 | 3 31 | 0s20 | 0 12 | 12 2 | 0 57 | 20 41 | 5 18 | 23 18 | 0 6 | 13 45 | 2 1 | 18 55 | 0 42 | 20 37 | 1 24 | 8 32 | 16 25 | 11 45 | 12 10 | 3 41 | 5 9 | 3 11 |
| T 7 | 4 16 | 5 6 | 4 15 | 1 5 | 0 5 | 12 30 | 1 1 | 20 38 | 5 13 | 23 18 | 0 6 | 13 46 | 2 1 | 18 56 | 0 42 | 20 37 | 1 24 | 8 31 | 16 25 | 11 46 | 12 12 | 3 39 | 5 8 | 3 11 |
| F 8 | 3 52 | 8 47 | 4 47 | 1 49 | 0s 2 | 12 58 | 1 5 | 20 34 | 5 9 | 23 18 | 0 5 | 13 48 | 2 1 | 18 56 | 0 42 | 20 37 | 1 24 | 8 30 | 16 25 | 11 47 | 12 13 | 3 37 | 5 7 | 3 11 |
| S 9 | 3 29 | 12 8 | 5 8 | 2 33 | 0 9 | 13 26 | 1 9 | 20 29 | 5 4 | 23 17 | 0 5 | 13 49 | 2 1 | 18 57 | 0 42 | 20 38 | 1 24 | 8 29 | 16 25 | 11 48 | 12 14 | 3 35 | 5 6 | 3 11 |
| S 10 | 3 6 | 15 1 | 5 15 | 3 17 | 0 16 | 13 54 | 1 12 | 20 25 | 5 0 | 23 17 | 0 5 | 13 50 | 2 1 | 18 57 | 0 42 | 20 38 | 1 24 | 8 28 | 16 24 | 11 49 | 12 15 | 3 33 | 5 5 | 3 11 |
| M11 | 2 42 | 17 17 | 5 7 | 4 0 | 0 23 | 14 22 | 1 16 | 20 20 | 4 55 | 23 17 | 0 5 | 13 52 | 2 1 | 18 57 | 0 42 | 20 38 | 1 24 | 8 27 | 16 24 | 11 50 | 12 16 | 3 31 | 5 4 | 3 11 |
| T 12 | 2 19 | 18 44 | 4 44 | 4 43 | 0 31 | 14 49 | 1 20 | 20 15 | 4 50 | 23 17 | 0 5 | 13 53 | 2 1 | 18 58 | 0 42 | 20 38 | 1 24 | 8 25 | 16 24 | 11 50 | 12 17 | 3 30 | 5 2 | 3 11 |
| W13 | 1 55 | 19 14 | 4 5 | 5 25 | 0 38 | 15 15 | 1 24 | 20 10 | 4 46 | 23 16 | 0 5 | 13 54 | 2 1 | 18 58 | 0 42 | 20 38 | 1 24 | 8 24 | 16 24 | 11 50 | 12 18 | 3 28 | 5 1 | 3 11 |
| T 14 | 1 32 | 18 39 | 3 12 | 6 7 | 0 45 | 15 42 | 1 27 | 20 4 | 4 41 | 23 16 | 0 5 | 13 56 | 2 1 | 18 58 | 0 42 | 20 38 | 1 24 | 8 23 | 16 23 | 11 49 | 12 19 | 3 26 | 5 0 | 3 11 |
| F 15 | 1 8 | 16 55 | 2 6 | 6 48 | 0 52 | 16 8 | 1 31 | 19 59 | 4 36 | 23 16 | 0 5 | 13 57 | 2 1 | 18 59 | 0 42 | 20 39 | 1 24 | 8 22 | 16 23 | 11 49 | 12 20 | 3 24 | 4 59 | 3 11 |
| S 16 | 0 44 | 14 3 | 0 50 | 7 29 | 0 59 | 16 34 | 1 35 | 19 53 | 4 32 | 23 15 | 0 5 | 13 58 | 2 1 | 18 59 | 0 42 | 20 39 | 1 24 | 8 21 | 16 23 | 11 48 | 12 21 | 3 22 | 4 58 | 3 11 |
| S 17 | 0 21 | 10 13 | 0n32 | 8 9 | 1 7 | 16 59 | 1 39 | 19 46 | 4 27 | 23 15 | 0 5 | 13 59 | 2 1 | 18 59 | 0 42 | 20 39 | 1 24 | 8 20 | 16 23 | 11 48 | 12 23 | 3 20 | 4 57 | 3 11 |
| M18 | 0s 3 | 5 39 | 1 52 | 8 49 | 1 14 | 17 24 | 1 42 | 19 40 | 4 23 | 23 15 | 0 4 | 14 1 | 2 1 | 19 0 | 0 42 | 20 39 | 1 24 | 8 19 | 16 23 | 11 49 | 12 24 | 3 18 | 4 56 | 3 11 |
| T 19 | 0 27 | 0 41 | 3 5 | 9 28 | 1 21 | 17 49 | 1 46 | 19 33 | 4 18 | 23 15 | 0 4 | 14 2 | 2 1 | 19 0 | 0 42 | 20 39 | 1 24 | 8 18 | 16 22 | 11 50 | 12 25 | 3 16 | 4 55 | 3 11 |
| W20 | 0 51 | 4s18 | 4 5 | 10 6 | 1 28 | 18 13 | 1 50 | 19 26 | 4 13 | 23 14 | 0 4 | 14 3 | 2 1 | 19 0 | 0 42 | 20 40 | 1 24 | 8 17 | 16 22 | 11 51 | 12 26 | 3 14 | 4 54 | 3 11 |
| T 21 | 1 14 | 8 57 | 4 46 | 10 44 | 1 35 | 18 37 | 1 53 | 19 19 | 4 9 | 23 14 | 0 4 | 14 4 | 2 1 | 19 0 | 0 42 | 20 40 | 1 24 | 8 16 | 16 22 | 11 53 | 12 27 | 3 12 | 4 52 | 3 11 |
| F 22 | 1 38 | 12 57 | 5 8 | 11 20 | 1 41 | 19 0 | 1 57 | 19 12 | 4 4 | 23 14 | 0 4 | 14 5 | 2 1 | 19 1 | 0 42 | 20 40 | 1 23 | 8 15 | 16 22 | 11 55 | 12 28 | 3 10 | 4 51 | 3 11 |
| S 23 | 2 2 | 16 3 | 5 10 | 11 57 | 1 48 | 19 23 | 2 0 | 19 4 | 4 0 | 23 14 | 0 4 | 14 6 | 2 0 | 19 1 | 0 42 | 20 40 | 1 23 | 8 14 | 16 22 | 11 56 | 12 29 | 3 8 | 4 50 | 3 11 |
| S 24 | 2 25 | 18 9 | 4 54 | 12 32 | 1 54 | 19 46 | 2 4 | 18 57 | 3 55 | 23 13 | 0 4 | 14 7 | 2 0 | 19 1 | 0 42 | 20 41 | 1 23 | 8 13 | 16 22 | 11 57 | 12 30 | 3 6 | 4 49 | 3 10 |
| M25 | 2 49 | 19 11 | 4 23 | 13 6 | 2 1 | 20 8 | 2 7 | 18 49 | 3 51 | 23 13 | 0 4 | 14 8 | 2 0 | 19 1 | 0 42 | 20 41 | 1 23 | 8 12 | 16 22 | 11 58 | 12 31 | 3 4 | 4 48 | 3 10 |
| T 26 | 3 13 | 19 10 | 3 39 | 13 40 | 2 7 | 20 29 | 2 11 | 18 41 | 3 47 | 23 13 | 0 4 | 14 9 | 2 0 | 19 2 | 0 42 | 20 41 | 1 23 | 8 11 | 16 21 | 11 58 | 12 32 | 3 2 | 4 47 | 3 10 |
| W27 | 3 36 | 18 12 | 2 46 | 14 13 | 2 13 | 20 50 | 2 14 | 18 32 | 3 42 | 23 13 | 0 3 | 14 10 | 2 0 | 19 2 | 0 42 | 20 41 | 1 23 | 8 10 | 16 21 | 11 57 | 12 34 | 3 0 | 4 46 | 3 10 |
| T 28 | 4 0 | 16 25 | 1 46 | 14 44 | 2 18 | 21 11 | 2 17 | 18 24 | 3 38 | 23 12 | 0 3 | 14 11 | 2 0 | 19 2 | 0 42 | 20 42 | 1 23 | 8 9 | 16 21 | 11 57 | 12 35 | 2 58 | 4 44 | 3 10 |
| F 29 | 4 24 | 13 55 | 0 43 | 15 15 | 2 24 | 21 31 | 2 21 | 18 15 | 3 34 | 23 12 | 0 3 | 14 12 | 2 0 | 19 2 | 0 42 | 20 42 | 1 23 | 8 8 | 16 21 | 11 56 | 12 36 | 2 56 | 4 43 | 3 10 |
| S 30 | 4s47 | 10s51 | 0s22 | 15s45 | 2s29 | 21s50 | 2s24 | 18s 7 | 3s30 | 23n12 | 0s 3 | 14s13 | 2s 0 | 19s 2 | 0s42 | 20s42 | 1n23 | 8n 7 | 16n21 | 11n56 | 12n37 | 2s54 | 4n42 | 3n10 |

Julian Day Number = 2083994.5, Delta T = 24m54s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'52, Lahiri = 9°49'53 Julian Calendar 1 Sept. 993 == Greg. Calendar 6 Sept. 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## OCTOBER 993 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 59 35 | 13♎ 1'55 | 14♓39 | 6♏37 | 27♏45 | 20♒33 | 9♋11 | 27°R39 | 7°R59 | 10♐ 2 | 17♎46 | 28°R49 | 26♌51 | 29♓ 8 | 4°R27 | S 1 |
| M 2 | 1 3 31 | 14° 1'41 | 26°27 | 7°46 | 28°53 | 20°49 | 9°15 | 27♒37 | 7♒58 | 10° 3 | 17°48 | 28♌45 | 26°47 | 29°15 | 4♈25 | M 2 |
| T 3 | 1 7 28 | 15° 1'29 | 8♈17 | 8°53 | 0♐ 1 | 21° 6 | 9°19 | 27°34 | 7°58 | 10° 5 | 17°51 | 28°40 | 26°44 | 29°22 | 4°22 | T 3 |
| W 4 | 1 11 25 | 16° 1'19 | 20°11 | 9°58 | 1° 8 | 21°23 | 9°22 | 27°32 | 7°57 | 10° 6 | 17°53 | 28°32 | 26°41 | 29°28 | 4°19 | W 4 |
| T 5 | 1 15 21 | 17° 1'10 | 2♉10 | 11° 0 | 2°16 | 21°41 | 9°26 | 27°30 | 7°57 | 10° 8 | 17°55 | 28°23 | 26°38 | 29°35 | 4°17 | T 5 |
| F 6 | 1 19 18 | 18° 1'04 | 14°17 | 11°59 | 3°23 | 21°59 | 9°29 | 27°28 | 7°57 | 10° 9 | 17°58 | 28°13 | 26°35 | 29°42 | 4°14 | F 6 |
| S 7 | 1 23 14 | 19° 1'00 | 26°31 | 12°55 | 4°30 | 22°18 | 9°32 | 27°26 | 7°56 | 10°11 | 18° 0 | 28° 4 | 26°32 | 29°48 | 4°11 | S 7 |
| S 8 | 1 27 11 | 20° 0'59 | 8♊56 | 13°48 | 5°37 | 22°38 | 9°35 | 27°24 | 7°56 | 10°13 | 18° 3 | 27°55 | 26°28 | 29°55 | 4° 9 | S 8 |
| M 9 | 1 31 7 | 21° 0'59 | 21°33 | 14°38 | 6°44 | 22°58 | 9°38 | 27°22 | 7°56 | 10°14 | 18° 5 | 27°49 | 26°25 | 0♈ 2 | 4° 6 | M 9 |
| T 10 | 1 35 4 | 22° 1'02 | 4♋23 | 15°23 | 7°51 | 23°18 | 9°40 | 27°20 | 7°56 | 10°16 | 18° 7 | 27°45 | 26°22 | 0° 8 | 4° 4 | T 10 |
| W11 | 1 39 0 | 23° 1'06 | 17°31 | 16° 3 | 8°58 | 23°39 | 9°42 | 27°19 | 7°56 | 10°17 | 18°10 | 27°D44 | 26°19 | 0°15 | 4° 1 | W11 |
| T 12 | 1 42 57 | 24° 1'13 | 0♌59 | 16°38 | 10° 4 | 24° 0 | 9°45 | 27°17 | 7°56 | 10°19 | 18°12 | 27°44 | 26°16 | 0°22 | 3°58 | T 12 |
| F 13 | 1 46 54 | 25° 1'22 | 14°48 | 17° 8 | 11°10 | 24°22 | 9°46 | 27°16 | 7°D56 | 10°21 | 18°15 | 27°44 | 26°12 | 0°28 | 3°56 | F 13 |
| S 14 | 1 50 50 | 26° 1'34 | 29° 0 | 17°31 | 12°16 | 24°45 | 9°48 | 27°14 | 7°56 | 10°23 | 18°17 | 27°R45 | 26° 9 | 0°35 | 3°53 | S 14 |
| S 15 | 1 54 47 | 27° 1'47 | 13♍35 | 17°47 | 13°22 | 25° 7 | 9°50 | 27°13 | 7°56 | 10°24 | 18°20 | 27°44 | 26° 6 | 0°42 | 3°51 | S 15 |
| M16 | 1 58 43 | 28° 2'02 | 28°28 | 17°55 | 14°28 | 25°31 | 9°51 | 27°12 | 7°56 | 10°26 | 18°22 | 27°41 | 26° 3 | 0°48 | 3°48 | M16 |
| T 17 | 2 2 40 | 29° 2'20 | 13♎33 | 17°R56 | 15°33 | 25°54 | 9°52 | 27°11 | 7°56 | 10°28 | 18°24 | 27°35 | 26° 0 | 0°55 | 3°46 | T 17 |
| W18 | 2 6 36 | 0♏ 2'39 | 28°41 | 17°47 | 16°38 | 26°18 | 9°53 | 27°10 | 7°56 | 10°30 | 18°27 | 27°26 | 25°57 | 1° 2 | 3°44 | W18 |
| T 19 | 2 10 33 | 1° 3'00 | 13♏42 | 17°28 | 17°43 | 26°43 | 9°54 | 27° 9 | 7°57 | 10°32 | 18°29 | 27°16 | 25°53 | 1° 8 | 3°41 | T 19 |
| F 20 | 2 14 29 | 2° 3'23 | 28°26 | 17° 0 | 18°48 | 27° 7 | 9°54 | 27° 9 | 7°57 | 10°33 | 18°32 | 27° 6 | 25°50 | 1°15 | 3°39 | F 20 |
| S 21 | 2 18 26 | 3° 3'47 | 12♐46 | 16°22 | 19°52 | 27°33 | 9°55 | 27° 8 | 7°57 | 10°35 | 18°34 | 26°56 | 25°47 | 1°22 | 3°37 | S 21 |
| S 22 | 2 22 23 | 4° 4'13 | 26°38 | 15°34 | 20°57 | 27°58 | 9°R55 | 27° 8 | 7°58 | 10°37 | 18°36 | 26°49 | 25°44 | 1°28 | 3°34 | S 22 |
| M23 | 2 26 19 | 5° 4'41 | 10♑ 0 | 14°37 | 22° 1 | 28°24 | 9°55 | 27° 7 | 7°58 | 10°39 | 18°39 | 26°44 | 25°41 | 1°35 | 3°32 | M23 |
| T 24 | 2 30 16 | 6° 5'10 | 22°54 | 13°31 | 23° 5 | 28°51 | 9°54 | 27° 7 | 7°59 | 10°41 | 18°41 | 26°41 | 25°37 | 1°42 | 3°30 | T 24 |
| W25 | 2 34 12 | 7° 5'40 | 5♒25 | 12°18 | 24° 8 | 29°17 | 9°54 | 27° 7 | 8° 0 | 10°43 | 18°43 | 26°D40 | 25°34 | 1°48 | 3°28 | W25 |
| T 26 | 2 38 9 | 8° 6'11 | 17°37 | 11° 0 | 25°11 | 29°44 | 9°53 | 27°D 7 | 8° 0 | 10°45 | 18°46 | 26°40 | 25°31 | 1°55 | 3°26 | T 26 |
| F 27 | 2 42 5 | 9° 6'44 | 29°35 | 9°39 | 26°14 | 0♓12 | 9°52 | 27° 7 | 8° 1 | 10°47 | 18°48 | 26°R40 | 25°28 | 2° 2 | 3°24 | F 27 |
| S 28 | 2 46 2 | 10° 7'18 | 11♓26 | 8°19 | 27°17 | 0°39 | 9°51 | 27° 7 | 8° 2 | 10°49 | 18°50 | 26°39 | 25°25 | 2° 8 | 3°21 | S 28 |
| S 29 | 2 49 58 | 11° 7'53 | 23°13 | 7° 0 | 28°19 | 1° 7 | 9°50 | 27° 7 | 8° 3 | 10°51 | 18°53 | 26°36 | 25°22 | 2°15 | 3°19 | S 29 |
| M30 | 2 53 55 | 12° 8'30 | 5♈ 2 | 5°47 | 29°21 | 1°36 | 9°49 | 27° 8 | 8° 3 | 10°53 | 18°55 | 26°30 | 25°18 | 2°22 | 3°17 | M30 |
| T 31 | 2 57 51 | 13♏ 9'08 | 16♈55 | 4♏42 | 0♑22 | 2♓ 4 | 9♋47 | 27♒ 8 | 8♒ 4 | 10♐55 | 18♎57 | 26♌22 | 25♌15 | 2♈28 | 3♈15 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s10 | 7s23 | 1s25 | 16s13 | 2s34 | 22s 9 | 2s27 | 17s58 | 3s25 | 23n12 | 0s 3 | 14s14 | 2s 0 | 19s 2 | 0s42 | 20s42 | 1n23 | 8n 6 | 16n21 | 11n57 | 12n38 | 2s52 | 4n41 | 3n10 |
| M 2 | 5 34 | 3 37 | 2 24 | 16 40 | 2 38 | 22 28 | 2 30 | 17 48 | 3 21 | 23 12 | 0 3 | 14 14 | 2 0 | 19 2 | 0 42 | 20 43 | 1 23 | 8 5 | 16 21 | 11 58 | 12 39 | 2 50 | 4 40 | 3 10 |
| T 3 | 5 57 | 0n17 | 3 17 | 17 6 | 2 43 | 22 45 | 2 33 | 17 39 | 3 17 | 23 12 | 0 3 | 14 15 | 2 0 | 19 3 | 0 42 | 20 43 | 1 23 | 8 4 | 16 21 | 12 0 | 12 40 | 2 48 | 4 39 | 3 10 |
| W 4 | 6 20 | 4 12 | 4 1 | 17 30 | 2 46 | 23 3 | 2 36 | 17 30 | 3 13 | 23 11 | 0 3 | 14 16 | 1 59 | 19 3 | 0 41 | 20 43 | 1 23 | 8 4 | 16 21 | 12 3 | 12 41 | 2 46 | 4 37 | 3 10 |
| T 5 | 6 43 | 7 59 | 4 35 | 17 53 | 2 50 | 23 19 | 2 39 | 17 20 | 3 9 | 23 11 | 0 3 | 14 16 | 1 59 | 19 3 | 0 41 | 20 43 | 1 23 | 8 3 | 16 21 | 12 6 | 12 42 | 2 44 | 4 36 | 3 10 |
| F 6 | 7 6 | 11 28 | 4 58 | 18 15 | 2 53 | 23 36 | 2 42 | 17 10 | 3 5 | 23 11 | 0 2 | 14 17 | 1 59 | 19 3 | 0 41 | 20 44 | 1 23 | 8 2 | 16 21 | 12 9 | 12 43 | 2 42 | 4 35 | 3 9 |
| S 7 | 7 29 | 14 31 | 5 6 | 18 34 | 2 55 | 23 51 | 2 45 | 17 0 | 3 1 | 23 11 | 0 2 | 14 18 | 1 59 | 19 3 | 0 41 | 20 44 | 1 23 | 8 1 | 16 21 | 12 13 | 12 44 | 2 40 | 4 34 | 3 9 |
| S 8 | 7 52 | 16 57 | 5 1 | 18 52 | 2 57 | 24 6 | 2 47 | 16 50 | 2 57 | 23 11 | 0 2 | 14 18 | 1 59 | 19 3 | 0 41 | 20 44 | 1 23 | 8 0 | 16 21 | 12 16 | 12 46 | 2 38 | 4 33 | 3 9 |
| M 9 | 8 15 | 18 37 | 4 41 | 19 8 | 2 58 | 24 21 | 2 50 | 16 40 | 2 54 | 23 11 | 0 2 | 14 19 | 1 59 | 19 3 | 0 41 | 20 44 | 1 23 | 7 59 | 16 21 | 12 18 | 12 47 | 2 36 | 4 32 | 3 9 |
| T 10 | 8 37 | 19 23 | 4 6 | 19 22 | 2 58 | 24 34 | 2 53 | 16 30 | 2 50 | 23 11 | 0 2 | 14 19 | 1 59 | 19 3 | 0 41 | 20 45 | 1 23 | 7 58 | 16 21 | 12 19 | 12 48 | 2 34 | 4 31 | 3 9 |
| W11 | 9 0 | 19 8 | 3 18 | 19 33 | 2 57 | 24 48 | 2 55 | 16 19 | 2 46 | 23 11 | 0 2 | 14 20 | 1 59 | 19 3 | 0 41 | 20 45 | 1 23 | 7 57 | 16 21 | 12 20 | 12 49 | 2 32 | 4 29 | 3 9 |
| T 12 | 9 22 | 17 48 | 2 18 | 19 42 | 2 56 | 25 0 | 2 57 | 16 8 | 2 42 | 23 11 | 0 2 | 14 20 | 1 59 | 19 3 | 0 41 | 20 45 | 1 23 | 7 56 | 16 21 | 12 20 | 12 50 | 2 30 | 4 28 | 3 9 |
| F 13 | 9 44 | 15 23 | 1 9 | 19 49 | 2 54 | 25 12 | 3 0 | 15 58 | 2 39 | 23 11 | 0 2 | 14 20 | 1 58 | 19 3 | 0 41 | 20 45 | 1 23 | 7 56 | 16 21 | 12 19 | 12 51 | 2 28 | 4 27 | 3 9 |
| S 14 | 10 6 | 11 59 | 0n 7 | 19 52 | 2 50 | 25 23 | 3 2 | 15 47 | 2 35 | 23 11 | 0 1 | 14 21 | 1 58 | 19 3 | 0 41 | 20 46 | 1 23 | 7 55 | 16 21 | 12 19 | 12 52 | 2 26 | 4 26 | 3 8 |
| S 15 | 10 28 | 7 47 | 1 24 | 19 52 | 2 45 | 25 34 | 3 4 | 15 36 | 2 32 | 23 11 | 0 1 | 14 21 | 1 58 | 19 3 | 0 41 | 20 46 | 1 22 | 7 54 | 16 21 | 12 20 | 12 53 | 2 24 | 4 25 | 3 8 |
| M16 | 10 50 | 3 0 | 2 36 | 19 49 | 2 40 | 25 44 | 3 6 | 15 24 | 2 28 | 23 11 | 0 1 | 14 21 | 1 58 | 19 3 | 0 41 | 20 46 | 1 22 | 7 53 | 16 21 | 12 21 | 12 54 | 2 22 | 4 24 | 3 8 |
| T 17 | 11 11 | 2s 1 | 3 39 | 19 42 | 2 32 | 25 53 | 3 8 | 15 13 | 2 25 | 23 11 | 0 1 | 14 22 | 1 58 | 19 3 | 0 41 | 20 47 | 1 22 | 7 52 | 16 21 | 12 23 | 12 55 | 2 20 | 4 23 | 3 8 |
| W18 | 11 33 | 6 55 | 4 27 | 19 31 | 2 23 | 26 2 | 3 9 | 15 2 | 2 21 | 23 11 | 0 1 | 14 22 | 1 58 | 19 3 | 0 41 | 20 47 | 1 22 | 7 51 | 16 21 | 12 26 | 12 56 | 2 18 | 4 22 | 3 8 |
| T 19 | 11 54 | 11 20 | 4 55 | 19 15 | 2 13 | 26 10 | 3 11 | 14 50 | 2 18 | 23 11 | 0 1 | 14 22 | 1 58 | 19 2 | 0 41 | 20 47 | 1 22 | 7 51 | 16 21 | 12 29 | 12 57 | 2 16 | 4 21 | 3 8 |
| F 20 | 12 15 | 14 59 | 5 3 | 18 56 | 2 1 | 26 17 | 3 12 | 14 38 | 2 15 | 23 11 | 0 1 | 14 22 | 1 58 | 19 2 | 0 41 | 20 48 | 1 22 | 7 50 | 16 22 | 12 33 | 12 59 | 2 14 | 4 20 | 3 8 |
| S 21 | 12 36 | 17 37 | 4 52 | 18 31 | 1 47 | 26 24 | 3 14 | 14 27 | 2 11 | 23 11 | 0 1 | 14 22 | 1 57 | 19 2 | 0 41 | 20 48 | 1 22 | 7 49 | 16 22 | 12 36 | 13 0 | 2 12 | 4 18 | 3 8 |
| S 22 | 12 57 | 19 8 | 4 24 | 18 2 | 1 31 | 26 30 | 3 15 | 14 15 | 2 8 | 23 11 | 0 0 | 14 22 | 1 57 | 19 2 | 0 41 | 20 48 | 1 22 | 7 48 | 16 22 | 12 38 | 13 1 | 2 10 | 4 17 | 3 7 |
| M23 | 13 17 | 19 30 | 3 42 | 17 29 | 1 14 | 26 35 | 3 16 | 14 3 | 2 5 | 23 11 | 0 0 | 14 22 | 1 57 | 19 2 | 0 41 | 20 48 | 1 22 | 7 48 | 16 22 | 12 40 | 13 2 | 2 8 | 4 16 | 3 7 |
| T 24 | 13 37 | 18 49 | 2 50 | 16 52 | 0 55 | 26 40 | 3 17 | 13 50 | 2 2 | 23 12 | 0 0 | 14 22 | 1 57 | 19 2 | 0 41 | 20 49 | 1 22 | 7 47 | 16 22 | 12 41 | 13 3 | 2 6 | 4 15 | 3 7 |
| W25 | 13 57 | 17 14 | 1 51 | 16 11 | 0 36 | 26 44 | 3 18 | 13 38 | 1 59 | 23 12 | 0 0 | 14 22 | 1 57 | 19 1 | 0 41 | 20 49 | 1 22 | 7 46 | 16 22 | 12 42 | 13 4 | 2 4 | 4 14 | 3 7 |
| T 26 | 14 17 | 14 52 | 0 48 | 15 27 | 0 16 | 26 48 | 3 19 | 13 26 | 1 56 | 23 12 | 0n 0 | 14 22 | 1 57 | 19 1 | 0 41 | 20 49 | 1 22 | 7 45 | 16 22 | 12 41 | 13 5 | 2 2 | 4 13 | 3 7 |
| F 27 | 14 37 | 11 55 | 0s15 | 14 42 | 0n 5 | 26 50 | 3 20 | 13 13 | 1 53 | 23 12 | 0 0 | 14 22 | 1 57 | 19 1 | 0 41 | 20 50 | 1 22 | 7 45 | 16 23 | 12 41 | 13 6 | 2 0 | 4 12 | 3 7 |
| S 28 | 14 56 | 8 31 | 1 18 | 13 57 | 0 26 | 26 52 | 3 20 | 13 0 | 1 50 | 23 12 | 0 0 | 14 22 | 1 56 | 19 1 | 0 41 | 20 50 | 1 22 | 7 44 | 16 23 | 12 42 | 13 7 | 1 58 | 4 11 | 3 6 |
| S 29 | 15 15 | 4 47 | 2 16 | 13 12 | 0 46 | 26 54 | 3 20 | 12 48 | 1 47 | 23 13 | 0 0 | 14 21 | 1 56 | 19 1 | 0 41 | 20 50 | 1 22 | 7 43 | 16 23 | 12 43 | 13 8 | 1 56 | 4 10 | 3 6 |
| M30 | 15 34 | 0 52 | 3 8 | 12 31 | 1 4 | 26 54 | 3 21 | 12 35 | 1 44 | 23 13 | 0 1 | 14 21 | 1 56 | 19 0 | 0 41 | 20 51 | 1 22 | 7 43 | 16 23 | 12 45 | 13 9 | 1 54 | 4 9 | 3 6 |
| T 31 | 15s52 | 3n 6 | 3s53 | 11s52 | 1n22 | 26s55 | 3s21 | 12s22 | 1s41 | 23n13 | 0n 1 | 14s21 | 1s56 | 19s 0 | 0s41 | 20s51 | 1n22 | 7n42 | 16n23 | 12n48 | 13n10 | 1s52 | 4n 9 | 3n 6 |

Julian Day Number = 2084024.5, Delta T = 24m54s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°42'56, Lahiri = 9°49'57 Julian Calendar 1 Oct. 993 == Greg. Calendar 6 Oct. 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## NOVEMBER 993 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 1 48 | 14♏ 9'48 | 28♈56 | 3°R45 | 1♉24 | 2♓33 | 9°R45 | 27♒ 9 | 8♒ 5 | 10♐57 | 18♎59 | 26°R10 | 25♌12 | 2♈35 | 3°R14 | W 1 |
| T 2 | 3 5 45 | 15°10'28 | 11♉ 6 | 2♏59 | 2°25 | 3° 2 | 9♋43 | 27° 9 | 8° 6 | 10°59 | 19° 2 | 25♌57 | 25° 9 | 2°42 | 3♈12 | T 2 |
| F 3 | 3 9 41 | 16°11'11 | 23°25 | 2°25 | 3°25 | 3°32 | 9°41 | 27°10 | 8° 7 | 11° 1 | 19° 4 | 25°43 | 25° 6 | 2°48 | 3°10 | F 3 |
| S 4 | 3 13 38 | 17°11'54 | 5♊55 | 2° 2 | 4°25 | 4° 1 | 9°38 | 27°11 | 8° 8 | 11° 3 | 19° 6 | 25°29 | 25° 3 | 2°55 | 3° 8 | S 4 |
| S 5 | 3 17 34 | 18°12'39 | 18°36 | 1°51 | 5°25 | 4°31 | 9°36 | 27°12 | 8°10 | 11° 5 | 19° 8 | 25°16 | 24°59 | 3° 2 | 3° 6 | S 5 |
| M 6 | 3 21 31 | 19°13'26 | 1♋27 | 1°D51 | 6°24 | 5° 1 | 9°33 | 27°13 | 8°11 | 11° 8 | 19°10 | 25° 7 | 24°56 | 3° 8 | 3° 5 | M 6 |
| T 7 | 3 25 27 | 20°14'14 | 14°29 | 2° 1 | 7°23 | 5°32 | 9°30 | 27°14 | 8°12 | 11°10 | 19°13 | 25° 0 | 24°53 | 3°15 | 3° 3 | T 7 |
| W 8 | 3 29 24 | 21°15'04 | 27°43 | 2°21 | 8°21 | 6° 2 | 9°27 | 27°16 | 8°13 | 11°12 | 19°15 | 24°56 | 24°50 | 3°22 | 3° 1 | W 8 |
| T 9 | 3 33 20 | 22°15'55 | 11♌11 | 2°50 | 9°19 | 6°33 | 9°23 | 27°17 | 8°15 | 11°14 | 19°17 | 24°54 | 24°47 | 3°28 | 3° 0 | T 9 |
| F 10 | 3 37 17 | 23°16'47 | 24°54 | 3°27 | 10°16 | 7° 4 | 9°20 | 27°19 | 8°16 | 11°16 | 19°19 | 24°54 | 24°43 | 3°35 | 2°58 | F 10 |
| S 11 | 3 41 14 | 24°17'41 | 8♍53 | 4°11 | 11°13 | 7°35 | 9°16 | 27°20 | 8°18 | 11°18 | 19°21 | 24°54 | 24°40 | 3°42 | 2°57 | S 11 |
| S 12 | 3 45 10 | 25°18'37 | 23° 9 | 5° 1 | 12° 9 | 8° 7 | 9°12 | 27°22 | 8°19 | 11°21 | 19°23 | 24°52 | 24°37 | 3°49 | 2°55 | S 12 |
| M13 | 3 49 7 | 26°19'34 | 7♎39 | 5°57 | 13° 5 | 8°39 | 9° 8 | 27°24 | 8°21 | 11°23 | 19°25 | 24°48 | 24°34 | 3°55 | 2°54 | M13 |
| T 14 | 3 53 3 | 27°20'32 | 22°21 | 6°57 | 14° 0 | 9°10 | 9° 3 | 27°26 | 8°22 | 11°25 | 19°27 | 24°41 | 24°31 | 4° 2 | 2°53 | T 14 |
| W15 | 3 57 0 | 28°21'31 | 7♏ 8 | 8° 2 | 14°55 | 9°43 | 8°59 | 27°28 | 8°24 | 11°27 | 19°29 | 24°31 | 24°28 | 4° 9 | 2°51 | W15 |
| T 16 | 4 0 56 | 29°22'32 | 21°52 | 9°10 | 15°49 | 10°15 | 8°54 | 27°30 | 8°26 | 11°29 | 19°31 | 24°19 | 24°24 | 4°15 | 2°50 | T 16 |
| F 17 | 4 4 53 | 0♐23'33 | 6♐25 | 10°21 | 16°42 | 10°47 | 8°49 | 27°32 | 8°27 | 11°32 | 19°33 | 24° 7 | 24°21 | 4°22 | 2°49 | F 17 |
| S 18 | 4 8 49 | 1°24'36 | 20°40 | 11°36 | 17°35 | 11°20 | 8°44 | 27°35 | 8°29 | 11°34 | 19°35 | 23°55 | 24°18 | 4°29 | 2°48 | S 18 |
| S 19 | 4 12 46 | 2°25'39 | 4♑30 | 12°52 | 18°27 | 11°53 | 8°39 | 27°37 | 8°31 | 11°36 | 19°37 | 23°45 | 24°15 | 4°35 | 2°47 | S 19 |
| M20 | 4 16 43 | 3°26'44 | 17°54 | 14°11 | 19°18 | 12°26 | 8°34 | 27°40 | 8°33 | 11°38 | 19°39 | 23°38 | 24°12 | 4°42 | 2°46 | M20 |
| T 21 | 4 20 39 | 4°27'48 | 0♒52 | 15°31 | 20° 8 | 12°59 | 8°28 | 27°42 | 8°35 | 11°41 | 19°41 | 23°34 | 24° 9 | 4°49 | 2°45 | T 21 |
| W22 | 4 24 36 | 5°28'53 | 13°26 | 16°53 | 20°58 | 13°33 | 8°23 | 27°45 | 8°37 | 11°43 | 19°43 | 23°32 | 24° 5 | 4°55 | 2°44 | W22 |
| T 23 | 4 28 32 | 6°29'59 | 25°41 | 18°16 | 21°47 | 14° 6 | 8°17 | 27°48 | 8°39 | 11°45 | 19°45 | 23°D32 | 24° 2 | 5° 2 | 2°43 | T 23 |
| F 24 | 4 32 29 | 7°31'05 | 7♓42 | 19°40 | 22°35 | 14°40 | 8°11 | 27°51 | 8°41 | 11°47 | 19°46 | 23°R32 | 23°59 | 5° 9 | 2°42 | F 24 |
| S 25 | 4 36 25 | 8°32'12 | 19°34 | 21° 5 | 23°22 | 15°14 | 8° 5 | 27°54 | 8°43 | 11°50 | 19°48 | 23°31 | 23°56 | 5°15 | 2°41 | S 25 |
| S 26 | 4 40 22 | 9°33'18 | 1♈22 | 22°32 | 24° 8 | 15°48 | 7°58 | 27°57 | 8°45 | 11°52 | 19°50 | 23°29 | 23°53 | 5°22 | 2°40 | S 26 |
| M27 | 4 44 19 | 10°34'26 | 13°12 | 23°58 | 24°53 | 16°22 | 7°52 | 28° 0 | 8°47 | 11°54 | 19°52 | 23°24 | 23°49 | 5°29 | 2°40 | M27 |
| T 28 | 4 48 15 | 11°35'33 | 25° 9 | 25°26 | 25°37 | 16°56 | 7°45 | 28° 4 | 8°49 | 11°56 | 19°53 | 23°17 | 23°46 | 5°35 | 2°39 | T 28 |
| W29 | 4 52 12 | 12°36'41 | 7♉16 | 26°54 | 26°20 | 17°30 | 7°39 | 28° 7 | 8°52 | 11°59 | 19°55 | 23° 7 | 23°43 | 5°42 | 2°39 | W29 |
| T 30 | 4 56 8 | 13♐37'49 | 19♉35 | 28♏23 | 27♉ 2 | 18♓ 5 | 7♋32 | 28♒11 | 8♒54 | 12♐ 1 | 19♎57 | 22♌55 | 23♌40 | 5♈49 | 2♈38 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| W 1 | 16s10 | 6n59 | 4s27 | 11s19 | 1n37 | 26s54 | 3s20 | 12s 9 | 1s38 | 23n13 | 0n 1 | 14s20 | 1s56 | 19s 0 | 0s41 | 20s51 | 1n22 | 7n42 | 16n23 | 12n52 | 13n11 | 1s50 | 4n 8 | 3n 6 | |
| T 2 | 16 28 | 10 38 | 4 50 | 10 50 | 1 51 | 26 53 | 3 20 | 11 56 | 1 36 | 23 14 | 0 1 | 14 20 | 1 56 | 18 59 | 0 41 | 20 52 | 1 22 | 7 41 | 16 24 | 12 56 | 13 12 | 1 48 | 4 7 | 3 6 | |
| F 3 | 16 46 | 13 53 | 5 0 | 10 27 | 2 3 | 26 51 | 3 20 | 11 43 | 1 33 | 23 14 | 0 1 | 14 20 | 1 56 | 18 59 | 0 41 | 20 52 | 1 22 | 7 40 | 16 24 | 13 1 | 13 14 | 1 46 | 4 6 | 3 5 | |
| S 4 | 17 4 | 16 34 | 4 55 | 10 11 | 2 12 | 26 48 | 3 19 | 11 29 | 1 30 | 23 14 | 0 1 | 14 19 | 1 55 | 18 59 | 0 41 | 20 52 | 1 22 | 7 40 | 16 24 | 13 6 | 13 15 | 1 44 | 4 5 | 3 5 | |
| S 5 | 17 21 | 18 29 | 4 36 | 10 0 | 2 20 | 26 45 | 3 18 | 11 16 | 1 28 | 23 15 | 0 1 | 14 19 | 1 55 | 18 58 | 0 41 | 20 53 | 1 22 | 7 39 | 16 24 | 13 10 | 13 16 | 1 42 | 4 4 | 3 5 | |
| M 6 | 17 37 | 19 31 | 4 3 | 9 54 | 2 25 | 26 42 | 3 17 | 11 2 | 1 25 | 23 15 | 0 2 | 14 18 | 1 55 | 18 58 | 0 40 | 20 53 | 1 22 | 7 39 | 16 25 | 13 13 | 13 17 | 1 40 | 4 3 | 3 5 | |
| T 7 | 17 54 | 19 32 | 3 16 | 9 54 | 2 29 | 26 37 | 3 16 | 10 49 | 1 22 | 23 15 | 0 2 | 14 18 | 1 55 | 18 58 | 0 40 | 20 53 | 1 22 | 7 38 | 16 25 | 13 16 | 13 18 | 1 38 | 4 2 | 3 5 | |
| W 8 | 18 10 | 18 28 | 2 18 | 9 59 | 2 32 | 26 32 | 3 15 | 10 35 | 1 20 | 23 16 | 0 2 | 14 17 | 1 55 | 18 57 | 0 40 | 20 53 | 1 22 | 7 37 | 16 25 | 13 17 | 13 19 | 1 36 | 4 2 | 3 4 | |
| T 9 | 18 26 | 16 22 | 1 12 | 10 8 | 2 33 | 26 27 | 3 13 | 10 21 | 1 17 | 23 16 | 0 2 | 14 16 | 1 55 | 18 57 | 0 40 | 20 54 | 1 22 | 7 37 | 16 25 | 13 17 | 13 20 | 1 34 | 4 1 | 3 4 | |
| F 10 | 18 42 | 13 18 | 0 0 | 10 21 | 2 32 | 26 21 | 3 11 | 10 7 | 1 15 | 23 16 | 0 2 | 14 16 | 1 55 | 18 57 | 0 40 | 20 54 | 1 22 | 7 36 | 16 26 | 13 17 | 13 21 | 1 32 | 4 0 | 3 4 | |
| S 11 | 18 57 | 9 25 | 1n13 | 10 37 | 2 31 | 26 14 | 3 10 | 9 53 | 1 13 | 23 17 | 0 2 | 14 15 | 1 54 | 18 56 | 0 40 | 20 54 | 1 22 | 7 36 | 16 26 | 13 17 | 13 22 | 1 30 | 3 59 | 3 4 | |
| S 12 | 19 12 | 4 56 | 2 23 | 10 56 | 2 29 | 26 7 | 3 7 | 9 39 | 1 10 | 23 17 | 0 2 | 14 14 | 1 54 | 18 56 | 0 40 | 20 55 | 1 22 | 7 35 | 16 26 | 13 18 | 13 23 | 1 28 | 3 58 | 3 4 | |
| M13 | 19 26 | 0 5 | 3 25 | 11 17 | 2 25 | 25 59 | 3 5 | 9 25 | 1 8 | 23 18 | 0 3 | 14 13 | 1 54 | 18 55 | 0 40 | 20 55 | 1 22 | 7 35 | 16 27 | 13 19 | 13 24 | 1 26 | 3 58 | 3 3 | |
| T 14 | 19 40 | 4s49 | 4 14 | 11 41 | 2 21 | 25 51 | 3 2 | 9 11 | 1 6 | 23 18 | 0 3 | 14 13 | 1 54 | 18 55 | 0 40 | 20 55 | 1 22 | 7 35 | 16 27 | 13 22 | 13 25 | 1 24 | 3 57 | 3 3 | |
| W15 | 19 54 | 9 27 | 4 47 | 12 6 | 2 17 | 25 42 | 3 0 | 8 57 | 1 3 | 23 19 | 0 3 | 14 12 | 1 54 | 18 54 | 0 40 | 20 56 | 1 22 | 7 34 | 16 27 | 13 25 | 13 26 | 1 22 | 3 56 | 3 3 | |
| T 16 | 20 7 | 13 30 | 5 0 | 12 33 | 2 12 | 25 33 | 2 57 | 8 42 | 1 1 | 23 19 | 0 3 | 14 11 | 1 54 | 18 54 | 0 40 | 20 56 | 1 22 | 7 34 | 16 28 | 13 29 | 13 27 | 1 20 | 3 56 | 3 3 | |
| F 17 | 20 21 | 16 41 | 4 54 | 13 1 | 2 6 | 25 23 | 2 54 | 8 28 | 0 59 | 23 19 | 0 3 | 14 10 | 1 54 | 18 54 | 0 40 | 20 56 | 1 22 | 7 33 | 16 28 | 13 33 | 13 28 | 1 18 | 3 55 | 3 3 | |
| S 18 | 20 33 | 18 46 | 4 29 | 13 29 | 2 0 | 25 13 | 2 50 | 8 14 | 0 57 | 23 20 | 0 3 | 14 9 | 1 53 | 18 53 | 0 40 | 20 57 | 1 22 | 7 33 | 16 28 | 13 37 | 13 30 | 1 16 | 3 54 | 3 2 | |
| S 19 | 20 45 | 19 41 | 3 49 | 13 59 | 1 54 | 25 2 | 2 46 | 7 59 | 0 55 | 23 20 | 0 3 | 14 8 | 1 53 | 18 53 | 0 40 | 20 57 | 1 22 | 7 32 | 16 29 | 13 40 | 13 31 | 1 14 | 3 54 | 3 2 | |
| M20 | 20 57 | 19 27 | 2 57 | 14 28 | 1 47 | 24 51 | 2 43 | 7 44 | 0 52 | 23 21 | 0 4 | 14 7 | 1 53 | 18 52 | 0 40 | 20 57 | 1 22 | 7 32 | 16 29 | 13 43 | 13 32 | 1 12 | 3 53 | 3 2 | |
| T 21 | 21 9 | 18 10 | 1 57 | 14 58 | 1 40 | 24 39 | 2 38 | 7 30 | 0 50 | 23 21 | 0 4 | 14 6 | 1 53 | 18 51 | 0 40 | 20 58 | 1 21 | 7 32 | 16 29 | 13 44 | 13 33 | 1 10 | 3 52 | 3 2 | |
| W22 | 21 20 | 16 2 | 0 53 | 15 29 | 1 33 | 24 27 | 2 34 | 7 15 | 0 48 | 23 22 | 0 4 | 14 5 | 1 53 | 18 51 | 0 40 | 20 58 | 1 21 | 7 31 | 16 30 | 13 45 | 13 34 | 1 7 | 3 52 | 3 2 | |
| T 23 | 21 31 | 13 12 | 0s11 | 15 59 | 1 26 | 24 15 | 2 29 | 7 0 | 0 46 | 23 22 | 0 4 | 14 4 | 1 53 | 18 50 | 0 40 | 20 58 | 1 21 | 7 31 | 16 30 | 13 45 | 13 35 | 1 5 | 3 51 | 3 1 | |
| F 24 | 21 41 | 9 53 | 1 15 | 16 29 | 1 19 | 24 2 | 2 24 | 6 45 | 0 44 | 23 23 | 0 4 | 14 3 | 1 53 | 18 50 | 0 40 | 20 59 | 1 21 | 7 31 | 16 31 | 13 45 | 13 36 | 1 3 | 3 51 | 3 1 | |
| S 25 | 21 51 | 6 12 | 2 14 | 16 59 | 1 12 | 23 49 | 2 19 | 6 30 | 0 42 | 23 24 | 0 4 | 14 1 | 1 52 | 18 49 | 0 40 | 20 59 | 1 21 | 7 31 | 16 31 | 13 45 | 13 37 | 1 1 | 3 50 | 3 1 | |
| S 26 | 22 0 | 2 18 | 3 7 | 17 28 | 1 4 | 23 36 | 2 14 | 6 15 | 0 40 | 23 24 | 0 4 | 14 0 | 1 52 | 18 49 | 0 40 | 20 59 | 1 21 | 7 30 | 16 31 | 13 46 | 13 38 | 0 59 | 3 50 | 3 1 | |
| M27 | 22 9 | 1n41 | 3 52 | 17 57 | 0 57 | 23 22 | 2 8 | 6 0 | 0 39 | 23 25 | 0 5 | 13 59 | 1 52 | 18 48 | 0 40 | 21 0 | 1 21 | 7 30 | 16 32 | 13 47 | 13 39 | 0 57 | 3 49 | 3 1 | |
| T 28 | 22 18 | 5 39 | 4 27 | 18 26 | 0 49 | 23 8 | 2 2 | 5 45 | 0 37 | 23 25 | 0 5 | 13 58 | 1 52 | 18 47 | 0 40 | 21 0 | 1 21 | 7 30 | 16 32 | 13 50 | 13 40 | 0 55 | 3 49 | 3 0 | |
| W29 | 22 26 | 9 26 | 4 51 | 18 54 | 0 42 | 22 54 | 1 56 | 5 30 | 0 35 | 23 26 | 0 5 | 13 56 | 1 52 | 18 47 | 0 40 | 21 0 | 1 21 | 7 30 | 16 33 | 13 53 | 13 41 | 0 53 | 3 49 | 3 0 | |
| T 30 | 22s34 | 12n53 | 5s 1 | 19s21 | 0n34 | 22s39 | 1s49 | 5s15 | 0s33 | 23n26 | 0n 5 | 13s55 | 1s52 | 18s46 | 0s40 | 21s 0 | 1n21 | 7n29 | 16n33 | 13n57 | 13n42 | 0s51 | 3n48 | 3n 0 | |

Julian Day Number = 2084055.5, Delta T = 24m53s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'00, Lahiri = 9°50'01 Julian Calendar 1 Nov. 993 == Greg. Calendar 6 Nov. 993


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# ASTRODIENST EPHEMERIS for the year 993
# geocentric

## DECEMBER 993 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 5 0 5 | 14♐38'58 | 2♊ 8 | 29♏52 | 27♑43 | 18♓40 | 7°R25 | 28♒14 | 8♒56 | 12♐ 3 | 19♎58 | 22°R42 | 23♌37 | 5♈55 | 2°R38 | F 1 |
| S 2 | 5 4 1 | 15°40'07 | 14°55 | 1♐21 | 28°22 | 19°14 | 7♋18 | 28°18 | 8°59 | 12° 6 | 20° 0 | 22♌29 | 23°34 | 6° 2 | 2♈37 | S 2 |
| S 3 | 5 7 58 | 16°41'17 | 27°56 | 2°51 | 29° 0 | 19°49 | 7°11 | 28°22 | 9° 1 | 12° 8 | 20° 2 | 22°18 | 23°30 | 6° 9 | 2°37 | S 3 |
| M 4 | 5 11 54 | 17°42'27 | 11♋ 9 | 4°22 | 29°37 | 20°24 | 7° 4 | 28°26 | 9° 3 | 12°10 | 20° 3 | 22° 9 | 23°27 | 6°15 | 2°37 | M 4 |
| T 5 | 5 15 51 | 18°43'37 | 24°33 | 5°52 | 0♒13 | 20°59 | 6°57 | 28°30 | 9° 6 | 12°12 | 20° 5 | 22° 3 | 23°24 | 6°22 | 2°36 | T 5 |
| W 6 | 5 19 48 | 19°44'48 | 8♌ 7 | 7°23 | 0°47 | 21°34 | 6°49 | 28°34 | 9° 8 | 12°15 | 20° 6 | 22° 0 | 23°21 | 6°29 | 2°36 | W 6 |
| T 7 | 5 23 44 | 20°45'59 | 21°49 | 8°55 | 1°19 | 22°10 | 6°42 | 28°38 | 9°11 | 12°17 | 20° 8 | 21°D59 | 23°18 | 6°36 | 2°36 | T 7 |
| F 8 | 5 27 41 | 21°47'10 | 5♍39 | 10°26 | 1°51 | 22°45 | 6°34 | 28°42 | 9°14 | 12°19 | 20° 9 | 22° 0 | 23°15 | 6°42 | 2°36 | F 8 |
| S 9 | 5 31 37 | 22°48'22 | 19°38 | 11°58 | 2°20 | 23°21 | 6°27 | 28°46 | 9°16 | 12°21 | 20°10 | 22°R 0 | 23°11 | 6°49 | 2°D36 | S 9 |
| S 10 | 5 35 34 | 23°49'35 | 3♎44 | 13°31 | 2°48 | 23°56 | 6°19 | 28°51 | 9°19 | 12°24 | 20°12 | 22° 0 | 23° 8 | 6°56 | 2°36 | S 10 |
| M11 | 5 39 30 | 24°50'47 | 17°57 | 15° 3 | 3°14 | 24°32 | 6°11 | 28°55 | 9°22 | 12°26 | 20°13 | 21°58 | 23° 5 | 7° 2 | 2°36 | M11 |
| T 12 | 5 43 27 | 25°52'00 | 2♏15 | 16°36 | 3°39 | 25° 8 | 6° 3 | 29° 0 | 9°24 | 12°28 | 20°14 | 21°53 | 23° 2 | 7° 9 | 2°36 | T 12 |
| W13 | 5 47 23 | 26°53'14 | 16°34 | 18°10 | 4° 1 | 25°44 | 5°55 | 29° 5 | 9°27 | 12°30 | 20°16 | 21°46 | 22°59 | 7°16 | 2°37 | W13 |
| T 14 | 5 51 20 | 27°54'27 | 0♐50 | 19°43 | 4°22 | 26°20 | 5°47 | 29° 9 | 9°30 | 12°32 | 20°17 | 21°37 | 22°55 | 7°22 | 2°37 | T 14 |
| F 15 | 5 55 17 | 28°55'41 | 14°57 | 21°17 | 4°41 | 26°56 | 5°39 | 29°14 | 9°33 | 12°35 | 20°18 | 21°28 | 22°52 | 7°29 | 2°37 | F 15 |
| S 16 | 5 59 13 | 29°56'55 | 28°51 | 22°51 | 4°57 | 27°32 | 5°31 | 29°19 | 9°35 | 12°37 | 20°19 | 21°19 | 22°49 | 7°36 | 2°38 | S 16 |
| S 17 | 6 3 10 | 0♑58'08 | 12♑26 | 24°26 | 5°12 | 28° 8 | 5°23 | 29°24 | 9°38 | 12°39 | 20°20 | 21°11 | 22°46 | 7°42 | 2°38 | S 17 |
| M18 | 6 7 6 | 1°59'22 | 25°41 | 26° 1 | 5°24 | 28°44 | 5°15 | 29°29 | 9°41 | 12°41 | 20°22 | 21° 6 | 22°43 | 7°49 | 2°39 | M18 |
| T 19 | 6 11 3 | 3° 0'35 | 8♒35 | 27°37 | 5°35 | 29°21 | 5° 7 | 29°34 | 9°44 | 12°43 | 20°23 | 21° 3 | 22°40 | 7°56 | 2°39 | T 19 |
| W20 | 6 14 59 | 4° 1'47 | 21° 9 | 29°13 | 5°43 | 29°57 | 4°59 | 29°39 | 9°47 | 12°46 | 20°24 | 21°D 2 | 22°36 | 8° 2 | 2°40 | W20 |
| T 21 | 6 18 56 | 5° 2'59 | 3♓25 | 0♑49 | 5°48 | 0♈34 | 4°51 | 29°44 | 9°50 | 12°48 | 20°25 | 21° 3 | 22°33 | 8° 9 | 2°40 | T 21 |
| F 22 | 6 22 52 | 6° 4'10 | 15°28 | 2°26 | 5°51 | 1°10 | 4°43 | 29°50 | 9°53 | 12°50 | 20°26 | 21° 4 | 22°30 | 8°16 | 2°41 | F 22 |
| S 23 | 6 26 49 | 7° 5'20 | 27°21 | 4° 3 | 5°R52 | 1°47 | 4°35 | 29°55 | 9°56 | 12°52 | 20°27 | 21° 6 | 22°27 | 8°22 | 2°42 | S 23 |
| S 24 | 6 30 46 | 8° 6'30 | 9♈11 | 5°41 | 5°50 | 2°24 | 4°27 | 0♓ 1 | 9°59 | 12°54 | 20°27 | 21°R 6 | 22°24 | 8°29 | 2°43 | S 24 |
| M25 | 6 34 42 | 9° 7'39 | 21° 3 | 7°19 | 5°46 | 3° 0 | 4°19 | 0° 6 | 10° 2 | 12°56 | 20°28 | 21° 5 | 22°21 | 8°36 | 2°44 | M25 |
| T 26 | 6 38 39 | 10° 8'48 | 3♉ 1 | 8°58 | 5°39 | 3°37 | 4°11 | 0°12 | 10° 5 | 12°58 | 20°29 | 21° 2 | 22°17 | 8°43 | 2°45 | T 26 |
| W27 | 6 42 35 | 11° 9'55 | 15°10 | 10°37 | 5°30 | 4°14 | 4° 3 | 0°17 | 10° 9 | 13° 0 | 20°30 | 20°58 | 22°14 | 8°49 | 2°46 | W27 |
| T 28 | 6 46 32 | 12°11'02 | 27°33 | 12°16 | 5°18 | 4°51 | 3°55 | 0°23 | 10°12 | 13° 2 | 20°31 | 20°52 | 22°11 | 8°56 | 2°47 | T 28 |
| F 29 | 6 50 28 | 13°12'08 | 10♊15 | 13°57 | 5° 4 | 5°28 | 3°47 | 0°29 | 10°15 | 13° 4 | 20°31 | 20°45 | 22° 8 | 9° 3 | 2°48 | F 29 |
| S 30 | 6 54 25 | 14°13'13 | 23°15 | 15°38 | 4°47 | 6° 5 | 3°39 | 0°35 | 10°18 | 13° 6 | 20°32 | 20°39 | 22° 5 | 9° 9 | 2°49 | S 30 |
| S 31 | 6 58 21 | 15♑14'17 | 6♋33 | 17♑19 | 4♒27 | 6♈42 | 3♋31 | 0♓41 | 10♒21 | 13♐ 8 | 20♎33 | 20♌33 | 22♌ 1 | 9♈16 | 2♈50 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s41 | 15n50 | 4s58 | 19s47 | 0n27 | 22s24 | 1s42 | 4s59 | 0s31 | 23n27 | 0n 5 | 13s54 | 1s52 | 18s46 | 0s40 | 21s 1 | 1n21 | 7n29 | 16n33 | 14n 1 | 13n43 | 0s49 | 3n48 | 3n 0 |
| S 2 | 22 48 | 18 5 | 4 39 | 20 13 | 0 20 | 22 9 | 1 35 | 4 44 | 0 30 | 23 27 | 0 5 | 13 52 | 1 52 | 18 45 | 0 40 | 21 1 | 1 21 | 7 29 | 16 34 | 14 5 | 13 44 | 0 47 | 3 47 | 2 59 |
| S 3 | 22 54 | 19 27 | 4 6 | 20 38 | 0 12 | 21 54 | 1 28 | 4 29 | 0 28 | 23 28 | 0 6 | 13 51 | 1 51 | 18 44 | 0 40 | 21 1 | 1 21 | 7 29 | 16 34 | 14 9 | 13 45 | 0 45 | 3 47 | 2 59 |
| M 4 | 23 0 | 19 47 | 3 19 | 21 3 | 0 5 | 21 38 | 1 20 | 4 13 | 0 26 | 23 28 | 0 6 | 13 49 | 1 51 | 18 44 | 0 40 | 21 2 | 1 21 | 7 29 | 16 35 | 14 12 | 13 46 | 0 43 | 3 47 | 2 59 |
| T 5 | 23 5 | 19 1 | 2 21 | 21 26 | 0s 2 | 21 23 | 1 12 | 3 58 | 0 24 | 23 29 | 0 6 | 13 48 | 1 51 | 18 43 | 0 40 | 21 2 | 1 21 | 7 29 | 16 35 | 14 14 | 13 47 | 0 41 | 3 46 | 2 59 |
| W 6 | 23 10 | 17 9 | 1 13 | 21 48 | 0 9 | 21 7 | 1 3 | 3 42 | 0 23 | 23 29 | 0 6 | 13 46 | 1 51 | 18 42 | 0 40 | 21 2 | 1 21 | 7 28 | 16 36 | 14 15 | 13 49 | 0 39 | 3 46 | 2 59 |
| T 7 | 23 15 | 14 18 | 0 1 | 22 10 | 0 16 | 20 51 | 0 54 | 3 27 | 0 21 | 23 30 | 0 6 | 13 45 | 1 51 | 18 41 | 0 40 | 21 3 | 1 21 | 7 28 | 16 36 | 14 15 | 13 50 | 0 37 | 3 46 | 2 58 |
| F 8 | 23 19 | 10 36 | 1n12 | 22 30 | 0 23 | 20 35 | 0 45 | 3 11 | 0 20 | 23 30 | 0 6 | 13 43 | 1 51 | 18 41 | 0 40 | 21 3 | 1 21 | 7 28 | 16 37 | 14 15 | 13 51 | 0 35 | 3 46 | 2 58 |
| S 9 | 23 22 | 6 18 | 2 22 | 22 50 | 0 29 | 20 19 | 0 36 | 2 56 | 0 18 | 23 31 | 0 6 | 13 41 | 1 51 | 18 40 | 0 40 | 21 3 | 1 21 | 7 28 | 16 37 | 14 15 | 13 52 | 0 33 | 3 46 | 2 58 |
| S 10 | 23 25 | 1 38 | 3 24 | 23 8 | 0 36 | 20 3 | 0 26 | 2 40 | 0 16 | 23 32 | 0 7 | 13 40 | 1 51 | 18 39 | 0 40 | 21 3 | 1 21 | 7 28 | 16 38 | 14 15 | 13 53 | 0 31 | 3 45 | 2 58 |
| M11 | 23 28 | 3s10 | 4 14 | 23 25 | 0 42 | 19 47 | 0 16 | 2 25 | 0 15 | 23 32 | 0 7 | 13 38 | 1 50 | 18 39 | 0 40 | 21 4 | 1 21 | 7 28 | 16 38 | 14 16 | 13 54 | 0 28 | 3 45 | 2 58 |
| T 12 | 23 30 | 7 49 | 4 48 | 23 42 | 0 48 | 19 31 | 0 5 | 2 9 | 0 13 | 23 33 | 0 7 | 13 36 | 1 50 | 18 38 | 0 40 | 21 4 | 1 21 | 7 28 | 16 38 | 14 17 | 13 55 | 0 26 | 3 45 | 2 57 |
| W13 | 23 32 | 12 1 | 5 4 | 23 56 | 0 54 | 19 16 | 0n 6 | 1 53 | 0 12 | 23 33 | 0 7 | 13 35 | 1 50 | 18 37 | 0 40 | 21 4 | 1 21 | 7 28 | 16 39 | 14 20 | 13 56 | 0 24 | 3 45 | 2 57 |
| T 14 | 23 33 | 15 31 | 5 2 | 24 10 | 1 0 | 19 0 | 0 17 | 1 38 | 0 10 | 23 34 | 0 7 | 13 33 | 1 50 | 18 36 | 0 40 | 21 5 | 1 21 | 7 28 | 16 39 | 14 22 | 13 57 | 0 22 | 3 45 | 2 57 |
| F 15 | 23 34 | 18 4 | 4 41 | 24 23 | 1 6 | 18 44 | 0 29 | 1 22 | 0 9 | 23 34 | 0 7 | 13 31 | 1 50 | 18 36 | 0 40 | 21 5 | 1 21 | 7 28 | 16 40 | 14 25 | 13 58 | 0 20 | 3 45 | 2 57 |
| S 16 | 23 34 | 19 31 | 4 3 | 24 34 | 1 11 | 18 28 | 0 41 | 1 6 | 0 8 | 23 35 | 0 7 | 13 29 | 1 50 | 18 35 | 0 39 | 21 5 | 1 21 | 7 28 | 16 40 | 14 28 | 13 59 | 0 18 | 3 45 | 2 56 |
| S 17 | 23 34 | 19 47 | 3 12 | 24 44 | 1 17 | 18 13 | 0 53 | 0 50 | 0 6 | 23 35 | 0 8 | 13 27 | 1 50 | 18 34 | 0 39 | 21 5 | 1 21 | 7 28 | 16 41 | 14 31 | 14 0 | 0 16 | 3 45 | 2 56 |
| M18 | 23 33 | 18 57 | 2 12 | 24 52 | 1 22 | 17 58 | 1 5 | 0 35 | 0 5 | 23 36 | 0 8 | 13 25 | 1 50 | 18 33 | 0 39 | 21 6 | 1 21 | 7 28 | 16 42 | 14 32 | 14 1 | 0 14 | 3 45 | 2 56 |
| T 19 | 23 32 | 17 8 | 1 7 | 24 59 | 1 27 | 17 43 | 1 18 | 0 19 | 0 3 | 23 36 | 0 8 | 13 24 | 1 50 | 18 32 | 0 39 | 21 6 | 1 21 | 7 28 | 16 42 | 14 33 | 14 2 | 0 12 | 3 45 | 2 56 |
| W20 | 23 30 | 14 32 | 0s 1 | 25 5 | 1 31 | 17 28 | 1 32 | 0 3 | 0 2 | 23 36 | 0 8 | 13 22 | 1 49 | 18 32 | 0 39 | 21 6 | 1 21 | 7 28 | 16 43 | 14 34 | 14 3 | 0 10 | 3 45 | 2 56 |
| T 21 | 23 28 | 11 20 | 1 7 | 25 9 | 1 36 | 17 13 | 1 45 | 0n13 | 0 1 | 23 37 | 0 8 | 13 20 | 1 49 | 18 31 | 0 39 | 21 6 | 1 21 | 7 29 | 16 43 | 14 33 | 14 4 | 0 8 | 3 45 | 2 55 |
| F 22 | 23 26 | 7 44 | 2 8 | 25 12 | 1 40 | 16 59 | 1 59 | 0 29 | 0n 1 | 23 37 | 0 8 | 13 18 | 1 49 | 18 30 | 0 39 | 21 7 | 1 21 | 7 29 | 16 44 | 14 33 | 14 5 | 0 6 | 3 45 | 2 55 |
| S 23 | 23 23 | 3 52 | 3 4 | 25 14 | 1 44 | 16 45 | 2 13 | 0 44 | 0 2 | 23 38 | 0 8 | 13 16 | 1 49 | 18 29 | 0 39 | 21 7 | 1 21 | 7 29 | 16 44 | 14 33 | 14 6 | 0 4 | 3 45 | 2 55 |
| S 24 | 23 19 | 0n 7 | 3 51 | 25 14 | 1 47 | 16 32 | 2 28 | 1 0 | 0 3 | 23 38 | 0 9 | 13 14 | 1 49 | 18 28 | 0 39 | 21 7 | 1 21 | 7 29 | 16 45 | 14 32 | 14 7 | 0 2 | 3 45 | 2 55 |
| M25 | 23 15 | 4 6 | 4 29 | 25 12 | 1 50 | 16 18 | 2 42 | 1 16 | 0 4 | 23 39 | 0 9 | 13 12 | 1 49 | 18 27 | 0 39 | 21 7 | 1 21 | 7 29 | 16 45 | 14 33 | 14 8 | 0n 0 | 3 45 | 2 54 |
| T 26 | 23 11 | 7 57 | 4 55 | 25 9 | 1 53 | 16 6 | 2 57 | 1 32 | 0 6 | 23 39 | 0 9 | 13 10 | 1 49 | 18 27 | 0 39 | 21 8 | 1 22 | 7 29 | 16 46 | 14 34 | 14 9 | 0 3 | 3 45 | 2 54 |
| W27 | 23 6 | 11 33 | 5 9 | 25 4 | 1 56 | 15 53 | 3 12 | 1 48 | 0 7 | 23 39 | 0 9 | 13 8 | 1 49 | 18 26 | 0 39 | 21 8 | 1 22 | 7 30 | 16 46 | 14 35 | 14 10 | 0 5 | 3 46 | 2 54 |
| T 28 | 23 0 | 14 43 | 5 8 | 24 58 | 1 58 | 15 42 | 3 27 | 2 4 | 0 8 | 23 40 | 0 9 | 13 5 | 1 49 | 18 25 | 0 39 | 21 8 | 1 22 | 7 30 | 16 47 | 14 37 | 14 11 | 0 7 | 3 46 | 2 54 |
| F 29 | 22 55 | 17 17 | 4 53 | 24 50 | 2 0 | 15 30 | 3 42 | 2 19 | 0 9 | 23 40 | 0 9 | 13 3 | 1 49 | 18 24 | 0 39 | 21 8 | 1 22 | 7 30 | 16 47 | 14 39 | 14 12 | 0 9 | 3 46 | 2 54 |
| S 30 | 22 48 | 19 2 | 4 22 | 24 40 | 2 2 | 15 20 | 3 58 | 2 35 | 0 10 | 23 40 | 0 9 | 13 1 | 1 49 | 18 23 | 0 39 | 21 9 | 1 22 | 7 30 | 16 48 | 14 41 | 14 14 | 0 11 | 3 46 | 2 53 |
| S 31 | 22s42 | 19n48 | 3s36 | 24s28 | 2s 3 | 15s 9 | 4n13 | 2n51 | 0n11 | 23n41 | 0n10 | 12s59 | 1s49 | 18s22 | 0s39 | 21s 9 | 1n22 | 7n31 | 16n48 | 14n43 | 14n15 | 0n13 | 3n47 | 2n53 |

Julian Day Number = 2084085.5, Delta T = 24m53s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'05, Lahiri = 9°50'05 Julian Calendar 1 Dec. 993 == Greg. Calendar 6 Dec. 993


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## JANUARY 994 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 7 2 18 | 16♑15'21 | 20♋ 9 | 19♑ 1 | 4°R 6 | 7♈19 | 3°R23 | 0♓47 | 10♒25 | 13♐10 | 20♎33 | 20°R28 | 21♌58 | 9♈23 | 2♈51 | M 1 |
| T 2 | 7 6 15 | 17°16'24 | 3♌59 | 20°43 | 3♒42 | 7°57 | 3♋16 | 0°53 | 10°28 | 13°12 | 20°34 | 20♌25 | 21°55 | 9°29 | 2°53 | T 2 |
| W 3 | 7 10 11 | 18°17'26 | 18° 0 | 22°26 | 3°16 | 8°34 | 3° 8 | 0°59 | 10°31 | 13°14 | 20°35 | 20°D24 | 21°52 | 9°36 | 2°54 | W 3 |
| T 4 | 7 14 8 | 19°18'27 | 2♍ 9 | 24°10 | 2°47 | 9°11 | 3° 1 | 1° 5 | 10°34 | 13°16 | 20°35 | 20°24 | 21°49 | 9°43 | 2°55 | T 4 |
| F 5 | 7 18 4 | 20°19'28 | 16°21 | 25°53 | 2°17 | 9°48 | 2°53 | 1°11 | 10°38 | 13°18 | 20°36 | 20°26 | 21°46 | 9°49 | 2°57 | F 5 |
| S 6 | 7 22 1 | 21°20'28 | 0♎34 | 27°38 | 1°46 | 10°26 | 2°46 | 1°17 | 10°41 | 13°20 | 20°36 | 20°27 | 21°42 | 9°56 | 2°58 | S 6 |
| S 7 | 7 25 57 | 22°21'27 | 14°46 | 29°23 | 1°13 | 11° 3 | 2°39 | 1°23 | 10°44 | 13°22 | 20°36 | 20°28 | 21°39 | 10° 3 | 3° 0 | S 7 |
| M 8 | 7 29 54 | 23°22'26 | 28°55 | 1♒ 8 | 0°38 | 11°41 | 2°31 | 1°30 | 10°48 | 13°24 | 20°37 | 20°R29 | 21°36 | 10° 9 | 3° 2 | M 8 |
| T 9 | 7 33 50 | 24°23'24 | 12♏59 | 2°53 | 0° 3 | 12°18 | 2°24 | 1°36 | 10°51 | 13°26 | 20°37 | 20°27 | 21°33 | 10°16 | 3° 3 | T 9 |
| W10 | 7 37 47 | 25°24'21 | 26°56 | 4°38 | 29♑27 | 12°56 | 2°17 | 1°43 | 10°54 | 13°27 | 20°37 | 20°25 | 21°30 | 10°23 | 3° 5 | W10 |
| T 11 | 7 41 44 | 26°25'18 | 10♐44 | 6°24 | 28°50 | 13°33 | 2°11 | 1°49 | 10°58 | 13°29 | 20°38 | 20°22 | 21°27 | 10°30 | 3° 7 | T 11 |
| F 12 | 7 45 40 | 27°26'13 | 24°22 | 8° 9 | 28°13 | 14°11 | 2° 4 | 1°56 | 11° 1 | 13°31 | 20°38 | 20°18 | 21°23 | 10°36 | 3° 9 | F 12 |
| S 13 | 7 49 37 | 28°27'08 | 7♑48 | 9°55 | 27°36 | 14°48 | 1°57 | 2° 2 | 11° 5 | 13°33 | 20°38 | 20°15 | 21°20 | 10°43 | 3°10 | S 13 |
| S 14 | 7 53 33 | 29°28'01 | 20°59 | 11°39 | 26°59 | 15°26 | 1°51 | 2° 9 | 11° 8 | 13°34 | 20°38 | 20°12 | 21°17 | 10°50 | 3°12 | S 14 |
| M15 | 7 57 30 | 0♒28'54 | 3♒55 | 13°23 | 26°22 | 16° 4 | 1°45 | 2°16 | 11°11 | 13°36 | 20°38 | 20°10 | 21°14 | 10°56 | 3°14 | M15 |
| T 16 | 8 1 26 | 1°29'45 | 16°36 | 15° 6 | 25°46 | 16°41 | 1°38 | 2°22 | 11°15 | 13°38 | 20°38 | 20°D 9 | 21°11 | 11° 3 | 3°16 | T 16 |
| W17 | 8 5 23 | 2°30'34 | 29° 2 | 16°48 | 25°11 | 17°19 | 1°32 | 2°29 | 11°18 | 13°40 | 20°38 | 20° 9 | 21° 7 | 11°10 | 3°18 | W17 |
| T 18 | 8 9 20 | 3°31'23 | 11♓14 | 18°28 | 24°38 | 17°57 | 1°26 | 2°36 | 11°22 | 13°41 | 20°R38 | 20°10 | 21° 4 | 11°16 | 3°20 | T 18 |
| F 19 | 8 13 16 | 4°32'09 | 23°16 | 20° 5 | 24° 5 | 18°35 | 1°21 | 2°43 | 11°25 | 13°43 | 20°38 | 20°12 | 21° 1 | 11°23 | 3°22 | F 19 |
| S 20 | 8 17 13 | 5°32'54 | 5♈10 | 21°41 | 23°35 | 19°12 | 1°15 | 2°50 | 11°29 | 13°44 | 20°38 | 20°13 | 20°58 | 11°30 | 3°25 | S 20 |
| S 21 | 8 21 9 | 6°33'38 | 17° 0 | 23°13 | 23° 5 | 19°50 | 1°10 | 2°56 | 11°32 | 13°46 | 20°38 | 20°14 | 20°55 | 11°36 | 3°27 | S 21 |
| M22 | 8 25 6 | 7°34'20 | 28°51 | 24°41 | 22°38 | 20°28 | 1° 4 | 3° 3 | 11°36 | 13°47 | 20°38 | 20°15 | 20°52 | 11°43 | 3°29 | M22 |
| T 23 | 8 29 2 | 8°35'00 | 10♉49 | 26° 5 | 22°13 | 21° 6 | 0°59 | 3°10 | 11°39 | 13°49 | 20°38 | 20°R15 | 20°48 | 11°50 | 3°31 | T 23 |
| W24 | 8 32 59 | 9°35'38 | 22°56 | 27°24 | 21°50 | 21°44 | 0°54 | 3°17 | 11°43 | 13°50 | 20°38 | 20°15 | 20°45 | 11°57 | 3°34 | W24 |
| T 25 | 8 36 55 | 10°36'15 | 5♊19 | 28°37 | 21°29 | 22°22 | 0°50 | 3°24 | 11°46 | 13°52 | 20°37 | 20°14 | 20°42 | 12° 3 | 3°36 | T 25 |
| F 26 | 8 40 52 | 11°36'50 | 18° 0 | 29°43 | 21°11 | 23° 0 | 0°45 | 3°31 | 11°50 | 13°53 | 20°37 | 20°13 | 20°39 | 12°10 | 3°39 | F 26 |
| S 27 | 8 44 48 | 12°37'23 | 1♋ 4 | 0♓43 | 20°55 | 23°38 | 0°41 | 3°39 | 11°53 | 13°55 | 20°37 | 20°12 | 20°36 | 12°17 | 3°41 | S 27 |
| S 28 | 8 48 45 | 13°37'54 | 14°31 | 1°35 | 20°41 | 24°16 | 0°36 | 3°46 | 11°56 | 13°56 | 20°36 | 20°11 | 20°32 | 12°23 | 3°43 | S 28 |
| M29 | 8 52 42 | 14°38'24 | 28°20 | 2°18 | 20°30 | 24°54 | 0°32 | 3°53 | 12° 0 | 13°57 | 20°36 | 20°10 | 20°29 | 12°30 | 3°46 | M29 |
| T 30 | 8 56 38 | 15°38'52 | 12♌30 | 2°52 | 20°22 | 25°32 | 0°29 | 4° 0 | 12° 3 | 13°59 | 20°36 | 20°10 | 20°26 | 12°37 | 3°49 | T 30 |
| W31 | 9 0 35 | 16♒39'18 | 26♌57 | 3♓17 | 20♑16 | 26♈10 | 0♋25 | 4♓ 7 | 12♒ 7 | 14♐ 0 | 20♎35 | 20°D10 | 20♌23 | 12♈43 | 3♈51 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22s34 | 19n27 | 2s38 | 24s15 | 2s 4 | 15s 0 | 4n28 | 3n 7 | 0n13 | 23n41 | 0n10 | 12s57 | 1s48 | 18s21 | 0s39 | 21s 9 | 1n22 | 7n31 | 16n49 | 14n45 | 14n16 | 0n15 | 3n47 | 2n53 |
| T 2 | 22 27 | 17 56 | 1 29 | 24 0 | 2 4 | 14 51 | 4 43 | 3 23 | 0 14 | 23 41 | 0 10 | 12 54 | 1 48 | 18 20 | 0 39 | 21 9 | 1 22 | 7 31 | 16 50 | 14 46 | 14 17 | 0 17 | 3 47 | 2 53 |
| W 3 | 22 19 | 15 19 | 0 13 | 23 44 | 2 4 | 14 42 | 4 58 | 3 38 | 0 15 | 23 42 | 0 10 | 12 52 | 1 48 | 18 19 | 0 39 | 21 10 | 1 22 | 7 32 | 16 50 | 14 46 | 14 18 | 0 19 | 3 48 | 2 53 |
| T 4 | 22 10 | 11 46 | 1n 4 | 23 25 | 2 4 | 14 34 | 5 12 | 3 54 | 0 16 | 23 42 | 0 10 | 12 50 | 1 48 | 18 19 | 0 39 | 21 10 | 1 22 | 7 32 | 16 51 | 14 46 | 14 19 | 0 21 | 3 48 | 2 52 |
| F 5 | 22 1 | 7 31 | 2 17 | 23 5 | 2 3 | 14 27 | 5 27 | 4 10 | 0 17 | 23 42 | 0 10 | 12 48 | 1 48 | 18 18 | 0 39 | 21 10 | 1 22 | 7 32 | 16 51 | 14 45 | 14 20 | 0 23 | 3 48 | 2 52 |
| S 6 | 21 52 | 2 52 | 3 23 | 22 43 | 2 1 | 14 20 | 5 40 | 4 25 | 0 18 | 23 43 | 0 10 | 12 45 | 1 48 | 18 17 | 0 39 | 21 10 | 1 22 | 7 33 | 16 52 | 14 45 | 14 21 | 0 25 | 3 49 | 2 52 |
| S 7 | 21 42 | 1s56 | 4 15 | 22 20 | 1 59 | 14 14 | 5 54 | 4 41 | 0 19 | 23 43 | 0 11 | 12 43 | 1 48 | 18 16 | 0 39 | 21 10 | 1 22 | 7 33 | 16 52 | 14 45 | 14 22 | 0 28 | 3 49 | 2 52 |
| M 8 | 21 32 | 6 36 | 4 52 | 21 55 | 1 57 | 14 9 | 6 7 | 4 57 | 0 20 | 23 43 | 0 11 | 12 41 | 1 48 | 18 15 | 0 39 | 21 11 | 1 22 | 7 33 | 16 53 | 14 44 | 14 23 | 0 30 | 3 50 | 2 52 |
| T 9 | 21 21 | 10 52 | 5 11 | 21 27 | 1 53 | 14 4 | 6 19 | 5 12 | 0 21 | 23 44 | 0 11 | 12 38 | 1 48 | 18 14 | 0 39 | 21 11 | 1 22 | 7 34 | 16 53 | 14 45 | 14 24 | 0 32 | 3 50 | 2 51 |
| W10 | 21 10 | 14 31 | 5 12 | 20 59 | 1 50 | 14 0 | 6 31 | 5 28 | 0 22 | 23 44 | 0 11 | 12 36 | 1 48 | 18 13 | 0 39 | 21 11 | 1 22 | 7 34 | 16 54 | 14 46 | 14 25 | 0 34 | 3 51 | 2 51 |
| T 11 | 20 59 | 17 19 | 4 55 | 20 28 | 1 45 | 13 57 | 6 42 | 5 44 | 0 23 | 23 44 | 0 11 | 12 34 | 1 48 | 18 12 | 0 39 | 21 11 | 1 22 | 7 35 | 16 55 | 14 47 | 14 26 | 0 36 | 3 51 | 2 51 |
| F 12 | 20 47 | 19 6 | 4 21 | 19 56 | 1 40 | 13 54 | 6 52 | 5 59 | 0 24 | 23 44 | 0 11 | 12 31 | 1 48 | 18 11 | 0 39 | 21 11 | 1 22 | 7 35 | 16 55 | 14 48 | 14 27 | 0 38 | 3 52 | 2 51 |
| S 13 | 20 35 | 19 48 | 3 33 | 19 23 | 1 35 | 13 52 | 7 1 | 6 15 | 0 25 | 23 44 | 0 11 | 12 29 | 1 48 | 18 10 | 0 39 | 21 12 | 1 22 | 7 35 | 16 56 | 14 49 | 14 28 | 0 40 | 3 52 | 2 51 |
| S 14 | 20 22 | 19 23 | 2 34 | 18 47 | 1 28 | 13 51 | 7 10 | 6 30 | 0 26 | 23 45 | 0 11 | 12 26 | 1 48 | 18 9 | 0 39 | 21 12 | 1 22 | 7 36 | 16 56 | 14 50 | 14 29 | 0 42 | 3 53 | 2 50 |
| M15 | 20 9 | 17 57 | 1 28 | 18 11 | 1 21 | 13 50 | 7 17 | 6 45 | 0 26 | 23 45 | 0 12 | 12 24 | 1 48 | 18 8 | 0 39 | 21 12 | 1 22 | 7 36 | 16 57 | 14 50 | 14 30 | 0 44 | 3 54 | 2 50 |
| T 16 | 19 56 | 15 38 | 0 20 | 17 33 | 1 13 | 13 50 | 7 24 | 7 1 | 0 27 | 23 45 | 0 12 | 12 21 | 1 48 | 18 7 | 0 39 | 21 12 | 1 22 | 7 37 | 16 57 | 14 51 | 14 31 | 0 46 | 3 54 | 2 50 |
| W17 | 19 42 | 12 38 | 0s49 | 16 55 | 1 4 | 13 50 | 7 30 | 7 16 | 0 28 | 23 45 | 0 12 | 12 19 | 1 48 | 18 6 | 0 39 | 21 12 | 1 22 | 7 37 | 16 58 | 14 51 | 14 32 | 0 48 | 3 55 | 2 50 |
| T 18 | 19 28 | 9 9 | 1 54 | 16 15 | 0 55 | 13 51 | 7 35 | 7 32 | 0 29 | 23 45 | 0 12 | 12 16 | 1 48 | 18 5 | 0 39 | 21 13 | 1 22 | 7 38 | 16 58 | 14 50 | 14 33 | 0 51 | 3 56 | 2 50 |
| F 19 | 19 14 | 5 20 | 2 53 | 15 34 | 0 45 | 13 52 | 7 39 | 7 47 | 0 30 | 23 46 | 0 12 | 12 14 | 1 47 | 18 4 | 0 39 | 21 13 | 1 22 | 7 38 | 16 59 | 14 50 | 14 34 | 0 53 | 3 56 | 2 49 |
| S 20 | 18 59 | 1 22 | 3 44 | 14 53 | 0 34 | 13 54 | 7 43 | 8 2 | 0 31 | 23 46 | 0 12 | 12 11 | 1 47 | 18 3 | 0 39 | 21 13 | 1 22 | 7 39 | 17 0 | 14 49 | 14 35 | 0 55 | 3 57 | 2 49 |
| S 21 | 18 44 | 2n38 | 4 25 | 14 12 | 0 22 | 13 56 | 7 45 | 8 17 | 0 32 | 23 46 | 0 12 | 12 9 | 1 47 | 18 3 | 0 39 | 21 13 | 1 22 | 7 39 | 17 0 | 14 49 | 14 36 | 0 57 | 3 58 | 2 49 |
| M22 | 18 29 | 6 32 | 4 55 | 13 31 | 0 9 | 13 59 | 7 47 | 8 32 | 0 32 | 23 46 | 0 12 | 12 6 | 1 47 | 18 2 | 0 39 | 21 13 | 1 22 | 7 40 | 17 1 | 14 49 | 14 37 | 0 59 | 3 58 | 2 49 |
| T 23 | 18 13 | 10 12 | 5 13 | 12 50 | 0n 4 | 14 2 | 7 47 | 8 47 | 0 33 | 23 46 | 0 12 | 12 4 | 1 47 | 18 1 | 0 39 | 21 13 | 1 22 | 7 41 | 17 1 | 14 49 | 14 38 | 1 1 | 3 59 | 2 49 |
| W24 | 17 57 | 13 30 | 5 17 | 12 10 | 0 18 | 14 6 | 7 47 | 9 2 | 0 34 | 23 46 | 0 13 | 12 1 | 1 47 | 18 0 | 0 39 | 21 13 | 1 22 | 7 41 | 17 2 | 14 49 | 14 39 | 1 3 | 4 0 | 2 48 |
| T 25 | 17 40 | 16 17 | 5 6 | 11 31 | 0 32 | 14 9 | 7 47 | 9 17 | 0 35 | 23 47 | 0 13 | 11 59 | 1 47 | 17 59 | 0 39 | 21 14 | 1 22 | 7 42 | 17 2 | 14 49 | 14 40 | 1 5 | 4 1 | 2 48 |
| F 26 | 17 24 | 18 22 | 4 41 | 10 54 | 0 47 | 14 14 | 7 45 | 9 32 | 0 36 | 23 47 | 0 13 | 11 56 | 1 47 | 17 58 | 0 39 | 21 14 | 1 22 | 7 42 | 17 3 | 14 49 | 14 41 | 1 7 | 4 1 | 2 48 |
| S 27 | 17 7 | 19 34 | 4 0 | 10 18 | 1 3 | 14 18 | 7 43 | 9 47 | 0 36 | 23 47 | 0 13 | 11 53 | 1 47 | 17 57 | 0 39 | 21 14 | 1 22 | 7 43 | 17 3 | 14 50 | 14 42 | 1 9 | 4 2 | 2 48 |
| S 28 | 16 49 | 19 42 | 3 5 | 9 45 | 1 18 | 14 23 | 7 40 | 10 2 | 0 37 | 23 47 | 0 13 | 11 51 | 1 47 | 17 56 | 0 39 | 21 14 | 1 22 | 7 44 | 17 4 | 14 50 | 14 43 | 1 12 | 4 3 | 2 48 |
| M29 | 16 32 | 18 40 | 1 58 | 9 15 | 1 34 | 14 28 | 7 37 | 10 17 | 0 38 | 23 47 | 0 13 | 11 48 | 1 47 | 17 55 | 0 39 | 21 14 | 1 22 | 7 44 | 17 4 | 14 50 | 14 44 | 1 14 | 4 4 | 2 48 |
| T 30 | 16 14 | 16 28 | 0 42 | 8 47 | 1 50 | 14 33 | 7 33 | 10 31 | 0 38 | 23 47 | 0 13 | 11 45 | 1 47 | 17 54 | 0 39 | 21 14 | 1 22 | 7 45 | 17 5 | 14 50 | 14 45 | 1 16 | 4 5 | 2 47 |
| W31 | 15s56 | 13n11 | 0n38 | 8s24 | 2n 6 | 14s38 | 7n29 | 10n46 | 0n39 | 23n47 | 0n13 | 11s43 | 1s47 | 17s53 | 0s39 | 21s14 | 1n22 | 7n45 | 17n 5 | 14n50 | 14n46 | 1n18 | 4n 6 | 2n47 |

Julian Day Number = 2084116.5, Delta T = 24m53s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'09, Lahiri = 9°50'09 Julian Calendar 1 Jan. 994 == Greg. Calendar 6 Jan. 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## FEBRUARY 994 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 4 31 | 17♒39'43 | 11♍34 | 3♓31 | 20°R12 | 26♈48 | 0°R21 | 4♓14 | 12♒10 | 14♐ 1 | 20°R35 | 20♌10 | 20♌20 | 12♈50 | 3♈54 | T 1 |
| F 2 | 9 8 28 | 18°40'05 | 26°16 | 3°R36 | 20°D11 | 27°26 | 0♋18 | 4°22 | 12°14 | 14° 2 | 20♎34 | 20°10 | 20°17 | 12°57 | 3°56 | F 2 |
| S 3 | 9 12 24 | 19°40'27 | 10♎55 | 3°31 | 20♑12 | 28° 4 | 0°15 | 4°29 | 12°17 | 14° 4 | 20°34 | 20°11 | 20°13 | 13° 3 | 3°59 | S 3 |
| S 4 | 9 16 21 | 20°40'47 | 25°26 | 3°16 | 20°16 | 28°42 | 0°12 | 4°36 | 12°21 | 14° 5 | 20°33 | 20°R11 | 20°10 | 13°10 | 4° 2 | S 4 |
| M 5 | 9 20 17 | 21°41'05 | 9♏45 | 2°51 | 20°22 | 29°20 | 0° 9 | 4°43 | 12°24 | 14° 6 | 20°32 | 20°10 | 20° 7 | 13°17 | 4° 5 | M 5 |
| T 6 | 9 24 14 | 22°41'22 | 23°49 | 2°18 | 20°30 | 29°58 | 0° 7 | 4°51 | 12°28 | 14° 7 | 20°32 | 20°D10 | 20° 4 | 13°24 | 4° 8 | T 6 |
| W 7 | 9 28 11 | 23°41'38 | 7♐37 | 1°37 | 20°41 | 0♉36 | 0° 4 | 4°58 | 12°31 | 14° 8 | 20°31 | 20°11 | 20° 1 | 13°30 | 4°10 | W 7 |
| T 8 | 9 32 7 | 24°41'52 | 21° 9 | 0°49 | 20°54 | 1°14 | 0° 2 | 5° 5 | 12°34 | 14° 9 | 20°30 | 20°11 | 19°58 | 13°37 | 4°13 | T 8 |
| F 9 | 9 36 4 | 25°42'04 | 4♑25 | 29♒55 | 21° 8 | 1°52 | 29♊59 | 5°13 | 12°38 | 14°10 | 20°30 | 20°11 | 19°54 | 13°44 | 4°16 | F 9 |
| S 10 | 9 40 0 | 26°42'15 | 17°26 | 28°57 | 21°25 | 2°30 | 29°58 | 5°20 | 12°41 | 14°11 | 20°29 | 20°12 | 19°51 | 13°50 | 4°19 | S 10 |
| S 11 | 9 43 57 | 27°42'24 | 0♒13 | 27°56 | 21°44 | 3° 8 | 29°57 | 5°28 | 12°45 | 14°12 | 20°28 | 20°13 | 19°48 | 13°57 | 4°22 | S 11 |
| M12 | 9 47 53 | 28°42'32 | 12°48 | 26°54 | 22° 5 | 3°47 | 29°55 | 5°35 | 12°48 | 14°13 | 20°27 | 20°13 | 19°45 | 14° 4 | 4°25 | M12 |
| T 13 | 9 51 50 | 29°42'37 | 25°11 | 25°53 | 22°27 | 4°25 | 29°54 | 5°42 | 12°51 | 14°14 | 20°26 | 20°R13 | 19°42 | 14°10 | 4°28 | T 13 |
| W14 | 9 55 46 | 0♓42'41 | 7♓24 | 24°52 | 22°52 | 5° 3 | 29°53 | 5°50 | 12°55 | 14°15 | 20°25 | 20°13 | 19°38 | 14°17 | 4°31 | W14 |
| T 15 | 9 59 43 | 1°42'42 | 19°29 | 23°55 | 23°18 | 5°41 | 29°52 | 5°57 | 12°58 | 14°16 | 20°24 | 20°12 | 19°35 | 14°24 | 4°34 | T 15 |
| F 16 | 10 3 40 | 2°42'42 | 1♈26 | 23° 1 | 23°45 | 6°19 | 29°51 | 6° 5 | 13° 1 | 14°17 | 20°23 | 20°10 | 19°32 | 14°31 | 4°37 | F 16 |
| S 17 | 10 7 36 | 3°42'39 | 13°19 | 22°13 | 24°15 | 6°57 | 29°51 | 6°12 | 13° 5 | 14°17 | 20°22 | 20° 8 | 19°29 | 14°37 | 4°40 | S 17 |
| S 18 | 10 11 33 | 4°42'34 | 25° 9 | 21°29 | 24°45 | 7°35 | 29°51 | 6°20 | 13° 8 | 14°18 | 20°21 | 20° 6 | 19°26 | 14°44 | 4°44 | S 18 |
| M19 | 10 15 29 | 5°42'28 | 7♉ 0 | 20°52 | 25°18 | 8°14 | 29°D51 | 6°27 | 13°11 | 14°19 | 20°20 | 20° 4 | 19°23 | 14°51 | 4°47 | M19 |
| T 20 | 10 19 26 | 6°42'18 | 18°57 | 20°20 | 25°51 | 8°52 | 29°51 | 6°34 | 13°15 | 14°19 | 20°19 | 20° 2 | 19°19 | 14°57 | 4°50 | T 20 |
| W21 | 10 23 22 | 7°42'07 | 1♊ 2 | 19°56 | 26°26 | 9°30 | 29°51 | 6°42 | 13°18 | 14°20 | 20°18 | 20° 1 | 19°16 | 15° 4 | 4°53 | W21 |
| T 22 | 10 27 19 | 8°41'54 | 13°21 | 19°37 | 27° 3 | 10° 8 | 29°52 | 6°49 | 13°21 | 14°21 | 20°17 | 20°D 1 | 19°13 | 15°11 | 4°56 | T 22 |
| F 23 | 10 31 15 | 9°41'38 | 25°58 | 19°25 | 27°40 | 10°46 | 29°53 | 6°57 | 13°24 | 14°21 | 20°16 | 20° 2 | 19°10 | 15°17 | 5° 0 | F 23 |
| S 24 | 10 35 12 | 10°41'20 | 8♋56 | 19°D20 | 28°19 | 11°24 | 29°54 | 7° 4 | 13°27 | 14°22 | 20°15 | 20° 3 | 19° 7 | 15°24 | 5° 3 | S 24 |
| S 25 | 10 39 9 | 11°40'59 | 22°20 | 19°20 | 28°59 | 12° 3 | 29°55 | 7°12 | 13°31 | 14°22 | 20°14 | 20° 4 | 19° 4 | 15°31 | 5° 6 | S 25 |
| M26 | 10 43 5 | 12°40'36 | 6♌11 | 19°27 | 29°40 | 12°41 | 29°56 | 7°19 | 13°34 | 14°23 | 20°12 | 20° 6 | 19° 0 | 15°38 | 5°10 | M26 |
| T 27 | 10 47 2 | 13°40'11 | 20°28 | 19°39 | 0♒22 | 13°19 | 29°58 | 7°26 | 13°37 | 14°23 | 20°11 | 20°R 6 | 18°57 | 15°44 | 5°13 | T 27 |
| W28 | 10 50 58 | 14♓39'44 | 5♍ 8 | 19♒56 | 1♒ 5 | 13♉57 | 29♊59 | 7♓34 | 13♒40 | 14♐24 | 20♎10 | 20♌ 6 | 18♌54 | 15♈51 | 5♈16 | W28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s37 | 9n 3 | 1n56 | 8s 4 | 2n22 | 14s43 | 7n24 | 11n 0 | 0n40 | 23n47 | 0n13 | 11s40 | 1s47 | 17s52 | 0s39 | 21s15 | 1n22 | 7n46 | 17n 6 | 14n50 | 14n47 | 1n20 | 4n 7 | 2n47 |
| F 2 | 15 19 | 4 21 | 3 7 | 7 49 | 2 36 | 14 49 | 7 18 | 11 15 | 0 41 | 23 48 | 0 13 | 11 38 | 1 47 | 17 51 | 0 39 | 21 15 | 1 22 | 7 47 | 17 6 | 14 50 | 14 48 | 1 22 | 4 8 | 2 47 |
| S 3 | 15 0 | 0s34 | 4 6 | 7 38 | 2 50 | 14 54 | 7 13 | 11 29 | 0 41 | 23 48 | 0 14 | 11 35 | 1 47 | 17 50 | 0 39 | 21 15 | 1 22 | 7 47 | 17 7 | 14 50 | 14 49 | 1 24 | 4 8 | 2 47 |
| S 4 | 14 41 | 5 25 | 4 49 | 7 31 | 3 3 | 15 0 | 7 7 | 11 43 | 0 42 | 23 48 | 0 14 | 11 32 | 1 47 | 17 49 | 0 39 | 21 15 | 1 23 | 7 48 | 17 7 | 14 50 | 14 50 | 1 26 | 4 9 | 2 47 |
| M 5 | 14 21 | 9 52 | 5 12 | 7 29 | 3 15 | 15 5 | 7 0 | 11 57 | 0 43 | 23 48 | 0 14 | 11 29 | 1 47 | 17 48 | 0 39 | 21 15 | 1 23 | 7 49 | 17 8 | 14 50 | 14 51 | 1 28 | 4 10 | 2 46 |
| T 6 | 14 2 | 13 43 | 5 17 | 7 31 | 3 25 | 15 10 | 6 54 | 12 12 | 0 43 | 23 48 | 0 14 | 11 27 | 1 47 | 17 47 | 0 39 | 21 15 | 1 23 | 7 50 | 17 8 | 14 50 | 14 52 | 1 31 | 4 11 | 2 46 |
| W 7 | 13 42 | 16 43 | 5 3 | 7 38 | 3 33 | 15 16 | 6 47 | 12 26 | 0 44 | 23 48 | 0 14 | 11 24 | 1 47 | 17 46 | 0 39 | 21 15 | 1 23 | 7 50 | 17 9 | 14 50 | 14 53 | 1 33 | 4 12 | 2 46 |
| T 8 | 13 22 | 18 44 | 4 32 | 7 49 | 3 40 | 15 21 | 6 40 | 12 40 | 0 44 | 23 48 | 0 14 | 11 21 | 1 47 | 17 45 | 0 39 | 21 15 | 1 23 | 7 51 | 17 9 | 14 50 | 14 54 | 1 35 | 4 13 | 2 46 |
| F 9 | 13 1 | 19 42 | 3 48 | 8 4 | 3 44 | 15 26 | 6 32 | 12 53 | 0 45 | 23 48 | 0 14 | 11 19 | 1 47 | 17 44 | 0 39 | 21 15 | 1 23 | 7 52 | 17 10 | 14 50 | 14 55 | 1 37 | 4 14 | 2 46 |
| S 10 | 12 41 | 19 35 | 2 52 | 8 22 | 3 46 | 15 31 | 6 25 | 13 7 | 0 46 | 23 48 | 0 14 | 11 16 | 1 47 | 17 43 | 0 39 | 21 15 | 1 23 | 7 52 | 17 10 | 14 50 | 14 56 | 1 39 | 4 15 | 2 46 |
| S 11 | 12 20 | 18 27 | 1 49 | 8 43 | 3 46 | 15 36 | 6 17 | 13 21 | 0 46 | 23 48 | 0 14 | 11 13 | 1 47 | 17 42 | 0 39 | 21 15 | 1 23 | 7 53 | 17 11 | 14 50 | 14 57 | 1 41 | 4 16 | 2 46 |
| M12 | 11 59 | 16 24 | 0 41 | 9 6 | 3 44 | 15 40 | 6 9 | 13 35 | 0 47 | 23 48 | 0 14 | 11 11 | 1 47 | 17 41 | 0 39 | 21 16 | 1 23 | 7 54 | 17 11 | 14 49 | 14 58 | 1 43 | 4 18 | 2 45 |
| T 13 | 11 38 | 13 38 | 0s28 | 9 31 | 3 40 | 15 45 | 6 1 | 13 48 | 0 47 | 23 49 | 0 15 | 11 8 | 1 47 | 17 40 | 0 39 | 21 16 | 1 23 | 7 54 | 17 12 | 14 49 | 14 59 | 1 45 | 4 19 | 2 45 |
| W14 | 11 17 | 10 17 | 1 34 | 9 57 | 3 34 | 15 49 | 5 53 | 14 2 | 0 48 | 23 49 | 0 15 | 11 5 | 1 47 | 17 39 | 0 39 | 21 16 | 1 23 | 7 55 | 17 12 | 14 50 | 15 0 | 1 47 | 4 20 | 2 45 |
| T 15 | 10 55 | 6 34 | 2 35 | 10 23 | 3 26 | 15 52 | 5 45 | 14 15 | 0 48 | 23 49 | 0 15 | 11 2 | 1 47 | 17 38 | 0 39 | 21 16 | 1 23 | 7 56 | 17 13 | 14 50 | 15 1 | 1 50 | 4 21 | 2 45 |
| F 16 | 10 34 | 2 37 | 3 29 | 10 49 | 3 16 | 15 56 | 5 37 | 14 28 | 0 49 | 23 49 | 0 15 | 11 0 | 1 48 | 17 37 | 0 39 | 21 16 | 1 23 | 7 57 | 17 13 | 14 50 | 15 2 | 1 52 | 4 22 | 2 45 |
| S 17 | 10 12 | 1n24 | 4 13 | 11 15 | 3 6 | 15 59 | 5 29 | 14 41 | 0 50 | 23 49 | 0 15 | 10 57 | 1 48 | 17 37 | 0 39 | 21 16 | 1 23 | 7 57 | 17 13 | 14 51 | 15 3 | 1 54 | 4 23 | 2 45 |
| S 18 | 9 50 | 5 20 | 4 47 | 11 40 | 2 54 | 16 2 | 5 20 | 14 54 | 0 50 | 23 49 | 0 15 | 10 54 | 1 48 | 17 36 | 0 39 | 21 16 | 1 23 | 7 58 | 17 14 | 14 52 | 15 4 | 1 56 | 4 24 | 2 45 |
| M19 | 9 28 | 9 5 | 5 8 | 12 4 | 2 41 | 16 5 | 5 12 | 15 7 | 0 51 | 23 49 | 0 15 | 10 51 | 1 48 | 17 35 | 0 39 | 21 16 | 1 23 | 7 59 | 17 14 | 14 52 | 15 5 | 1 58 | 4 25 | 2 44 |
| T 20 | 9 6 | 12 29 | 5 16 | 12 27 | 2 28 | 16 7 | 5 4 | 15 20 | 0 51 | 23 49 | 0 15 | 10 49 | 1 48 | 17 34 | 0 39 | 21 16 | 1 23 | 8 0 | 17 15 | 14 53 | 15 6 | 2 0 | 4 27 | 2 44 |
| W21 | 8 44 | 15 25 | 5 10 | 12 48 | 2 14 | 16 9 | 4 55 | 15 33 | 0 52 | 23 49 | 0 15 | 10 46 | 1 48 | 17 33 | 0 39 | 21 16 | 1 23 | 8 1 | 17 15 | 14 53 | 15 7 | 2 2 | 4 28 | 2 44 |
| T 22 | 8 21 | 17 43 | 4 50 | 13 7 | 2 0 | 16 10 | 4 47 | 15 46 | 0 52 | 23 49 | 0 15 | 10 43 | 1 48 | 17 32 | 0 39 | 21 16 | 1 23 | 8 1 | 17 15 | 14 53 | 15 8 | 2 4 | 4 29 | 2 44 |
| F 23 | 7 59 | 19 14 | 4 16 | 13 25 | 1 45 | 16 11 | 4 38 | 15 58 | 0 53 | 23 49 | 0 15 | 10 41 | 1 48 | 17 31 | 0 39 | 21 16 | 1 23 | 8 2 | 17 16 | 14 53 | 15 9 | 2 7 | 4 30 | 2 44 |
| S 24 | 7 36 | 19 48 | 3 28 | 13 40 | 1 31 | 16 12 | 4 30 | 16 11 | 0 53 | 23 49 | 0 15 | 10 38 | 1 48 | 17 30 | 0 40 | 21 16 | 1 23 | 8 3 | 17 16 | 14 53 | 15 10 | 2 9 | 4 31 | 2 44 |
| S 25 | 7 13 | 19 17 | 2 27 | 13 53 | 1 16 | 16 12 | 4 22 | 16 23 | 0 54 | 23 50 | 0 15 | 10 35 | 1 48 | 17 29 | 0 40 | 21 16 | 1 23 | 8 4 | 17 17 | 14 52 | 15 11 | 2 11 | 4 32 | 2 44 |
| M26 | 6 50 | 17 36 | 1 16 | 14 5 | 1 2 | 16 12 | 4 13 | 16 35 | 0 54 | 23 50 | 0 16 | 10 32 | 1 48 | 17 28 | 0 40 | 21 16 | 1 23 | 8 4 | 17 17 | 14 52 | 15 12 | 2 13 | 4 34 | 2 44 |
| T 27 | 6 27 | 14 47 | 0n 2 | 14 14 | 0 48 | 16 12 | 4 5 | 16 47 | 0 54 | 23 50 | 0 16 | 10 30 | 1 48 | 17 27 | 0 40 | 21 16 | 1 23 | 8 5 | 17 17 | 14 52 | 15 13 | 2 15 | 4 35 | 2 44 |
| W28 | 6s 4 | 10n57 | 1n22 | 14s22 | 0n35 | 16s10 | 3n57 | 16n59 | 0n55 | 23n50 | 0n16 | 10s27 | 1s48 | 17s27 | 0s40 | 21s16 | 1n23 | 8n 6 | 17n18 | 14n52 | 15n14 | 2n17 | 4n36 | 2n43 |

Julian Day Number = 2084147.5, Delta T = 24m52s
Ecliptic obliquity = 23°34'04, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'13, Lahiri = 9°50'14 Julian Calendar 1 Feb. 994 == Greg. Calendar 6 Feb. 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## MARCH 994 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 54 55 | 15♓39'15 | 20♍ 5 | 20♒19 | 1♒49 | 14♉35 | 0♋ 1 | 7♓41 | 13♒43 | 14♐24 | 20°R 8 | 20°R 4 | 18♌51 | 15♈58 | 5♈20 | T 1 |
| F 2 | 10 58 51 | 16°38'43 | 5♎10 | 20°46 | 2°34 | 15°13 | 0° 3 | 7°49 | 13°46 | 14°24 | 20♎ 7 | 20♌ 1 | 18°48 | 16° 4 | 5°23 | F 2 |
| S 3 | 11 2 48 | 17°38'09 | 20°16 | 21°18 | 3°20 | 15°51 | 0° 6 | 7°56 | 13°49 | 14°25 | 20° 6 | 19°57 | 18°44 | 16°11 | 5°26 | S 3 |
| S 4 | 11 6 44 | 18°37'34 | 5♏11 | 21°54 | 4° 6 | 16°30 | 0° 8 | 8° 3 | 13°52 | 14°25 | 20° 4 | 19°53 | 18°41 | 16°18 | 5°30 | S 4 |
| M 5 | 11 10 41 | 19°36'57 | 19°49 | 22°34 | 4°54 | 17° 8 | 0°11 | 8°11 | 13°55 | 14°25 | 20° 3 | 19°49 | 18°38 | 16°24 | 5°33 | M 5 |
| T 6 | 11 14 37 | 20°36'18 | 4♐ 5 | 23°18 | 5°43 | 17°46 | 0°13 | 8°18 | 13°58 | 14°25 | 20° 2 | 19°47 | 18°35 | 16°31 | 5°37 | T 6 |
| W 7 | 11 18 34 | 21°35'37 | 17°56 | 24° 5 | 6°32 | 18°24 | 0°16 | 8°25 | 14° 1 | 14°25 | 20° 0 | 19°D46 | 18°32 | 16°38 | 5°40 | W 7 |
| T 8 | 11 22 31 | 22°34'55 | 1♑24 | 24°56 | 7°22 | 19° 2 | 0°20 | 8°33 | 14° 4 | 14°26 | 19°59 | 19°46 | 18°29 | 16°45 | 5°44 | T 8 |
| F 9 | 11 26 27 | 23°34'11 | 14°29 | 25°50 | 8°12 | 19°40 | 0°23 | 8°40 | 14° 7 | 14°26 | 19°57 | 19°47 | 18°25 | 16°51 | 5°47 | F 9 |
| S 10 | 11 30 24 | 24°33'24 | 27°16 | 26°47 | 9° 4 | 20°18 | 0°27 | 8°47 | 14°10 | 14°26 | 19°56 | 19°49 | 18°22 | 16°58 | 5°51 | S 10 |
| S 11 | 11 34 20 | 25°32'36 | 9♒47 | 27°46 | 9°56 | 20°56 | 0°30 | 8°54 | 14°13 | 14°26 | 19°54 | 19°50 | 18°19 | 17° 5 | 5°54 | S 11 |
| M12 | 11 38 17 | 26°31'47 | 22° 5 | 28°49 | 10°49 | 21°35 | 0°34 | 9° 2 | 14°15 | 14°R26 | 19°53 | 19°R51 | 18°16 | 17°11 | 5°58 | M12 |
| T 13 | 11 42 13 | 27°30'55 | 4♓13 | 29°54 | 11°42 | 22°13 | 0°38 | 9° 9 | 14°18 | 14°26 | 19°51 | 19°50 | 18°13 | 17°18 | 6° 1 | T 13 |
| W14 | 11 46 10 | 28°30'01 | 16°15 | 1♓ 1 | 12°36 | 22°51 | 0°42 | 9°16 | 14°21 | 14°26 | 19°50 | 19°47 | 18° 9 | 17°25 | 6° 5 | W14 |
| T 15 | 11 50 6 | 29°29'05 | 28°11 | 2°11 | 13°30 | 23°29 | 0°47 | 9°23 | 14°24 | 14°26 | 19°48 | 19°42 | 18° 6 | 17°31 | 6° 8 | T 15 |
| F 16 | 11 54 3 | 0♈28'07 | 10♈ 4 | 3°23 | 14°25 | 24° 7 | 0°51 | 9°30 | 14°26 | 14°25 | 19°47 | 19°35 | 18° 3 | 17°38 | 6°12 | F 16 |
| S 17 | 11 58 0 | 1°27'07 | 21°55 | 4°37 | 15°20 | 24°45 | 0°56 | 9°37 | 14°29 | 14°25 | 19°45 | 19°27 | 18° 0 | 17°45 | 6°15 | S 17 |
| S 18 | 12 1 56 | 2°26'04 | 3♉46 | 5°53 | 16°16 | 25°23 | 1° 1 | 9°44 | 14°31 | 14°25 | 19°44 | 19°19 | 17°57 | 17°52 | 6°19 | S 18 |
| M19 | 12 5 53 | 3°25'00 | 15°39 | 7°11 | 17°13 | 26° 1 | 1° 6 | 9°52 | 14°34 | 14°25 | 19°42 | 19°11 | 17°54 | 17°58 | 6°22 | M19 |
| T 20 | 12 9 49 | 4°23'53 | 27°37 | 8°32 | 18°10 | 26°39 | 1°11 | 9°59 | 14°37 | 14°25 | 19°40 | 19° 4 | 17°50 | 18° 5 | 6°26 | T 20 |
| W21 | 12 13 46 | 5°22'44 | 9♊43 | 9°53 | 19° 7 | 27°17 | 1°17 | 10° 6 | 14°39 | 14°24 | 19°39 | 18°59 | 17°47 | 18°12 | 6°29 | W21 |
| T 22 | 12 17 42 | 6°21'33 | 22° 0 | 11°17 | 20° 5 | 27°55 | 1°22 | 10°12 | 14°42 | 14°24 | 19°37 | 18°56 | 17°44 | 18°18 | 6°33 | T 22 |
| F 23 | 12 21 39 | 7°20'20 | 4♋32 | 12°43 | 21° 3 | 28°34 | 1°28 | 10°19 | 14°44 | 14°24 | 19°35 | 18°D55 | 17°41 | 18°25 | 6°36 | F 23 |
| S 24 | 12 25 35 | 8°19'04 | 17°25 | 14°10 | 22° 2 | 29°12 | 1°34 | 10°26 | 14°46 | 14°23 | 19°34 | 18°55 | 17°38 | 18°32 | 6°40 | S 24 |
| S 25 | 12 29 32 | 9°17'46 | 0♌41 | 15°39 | 23° 1 | 29°50 | 1°40 | 10°33 | 14°49 | 14°23 | 19°32 | 18°56 | 17°35 | 18°38 | 6°44 | S 25 |
| M26 | 12 33 29 | 10°16'26 | 14°23 | 17°10 | 24° 0 | 0♊28 | 1°46 | 10°40 | 14°51 | 14°22 | 19°31 | 18°R57 | 17°31 | 18°45 | 6°47 | M26 |
| T 27 | 12 37 25 | 11°15'03 | 28°34 | 18°43 | 25° 0 | 1° 6 | 1°52 | 10°47 | 14°53 | 14°22 | 19°29 | 18°57 | 17°28 | 18°52 | 6°51 | T 27 |
| W28 | 12 41 22 | 12°13'38 | 13♍12 | 20°17 | 26° 0 | 1°44 | 1°59 | 10°53 | 14°56 | 14°21 | 19°27 | 18°54 | 17°25 | 18°59 | 6°54 | W28 |
| T 29 | 12 45 18 | 13°12'11 | 28°13 | 21°53 | 27° 0 | 2°22 | 2° 6 | 11° 0 | 14°58 | 14°21 | 19°25 | 18°50 | 17°22 | 19° 5 | 6°58 | T 29 |
| F 30 | 12 49 15 | 14°10'42 | 13♎28 | 23°30 | 28° 1 | 3° 0 | 2°12 | 11° 7 | 15° 0 | 14°20 | 19°24 | 18°43 | 17°19 | 19°12 | 7° 1 | F 30 |
| S 31 | 12 53 11 | 15♈ 9'11 | 28♎47 | 25♓10 | 29♒ 2 | 3♊38 | 2♋19 | 11♓13 | 15♒ 2 | 14♐20 | 19♎22 | 18♌35 | 17♌15 | 19♈19 | 7♈ 5 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s41 | 6n22 | 2n37 | 14s27 | 0n21 | 16s 9 | 3n49 | 17n11 | 0n55 | 23n50 | 0n16 | 10s24 | 1s48 | 17s26 | 0s40 | 21s16 | 1n23 | 8n 7 | 17n18 | 14n52 | 15n15 | 2n19 | 4n37 | 2n43 |
| F 2 | 5 18 | 1 20 | 3 43 | 14 31 | 0 9 | 16 7 | 3 40 | 17 23 | 0 56 | 23 50 | 0 16 | 10 21 | 1 48 | 17 25 | 0 40 | 21 16 | 1 23 | 8 7 | 17 18 | 14 53 | 15 16 | 2 21 | 4 39 | 2 43 |
| S 3 | 4 55 | 3s45 | 4 32 | 14 32 | 0s 4 | 16 5 | 3 32 | 17 34 | 0 56 | 23 50 | 0 16 | 10 19 | 1 48 | 17 24 | 0 40 | 21 16 | 1 24 | 8 8 | 17 19 | 14 55 | 15 17 | 2 24 | 4 40 | 2 43 |
| S 4 | 4 31 | 8 33 | 5 3 | 14 32 | 0 16 | 16 2 | 3 24 | 17 46 | 0 57 | 23 50 | 0 16 | 10 16 | 1 48 | 17 23 | 0 40 | 21 16 | 1 24 | 8 9 | 17 19 | 14 56 | 15 18 | 2 26 | 4 41 | 2 43 |
| M 5 | 4 8 | 12 45 | 5 13 | 14 30 | 0 27 | 15 58 | 3 16 | 17 57 | 0 57 | 23 50 | 0 16 | 10 13 | 1 48 | 17 22 | 0 40 | 21 16 | 1 24 | 8 10 | 17 19 | 14 57 | 15 19 | 2 28 | 4 43 | 2 43 |
| T 6 | 3 45 | 16 6 | 5 4 | 14 26 | 0 38 | 15 54 | 3 8 | 18 8 | 0 57 | 23 50 | 0 16 | 10 11 | 1 49 | 17 21 | 0 40 | 21 16 | 1 24 | 8 11 | 17 19 | 14 58 | 15 20 | 2 30 | 4 44 | 2 43 |
| W 7 | 3 21 | 18 26 | 4 36 | 14 20 | 0 49 | 15 50 | 3 0 | 18 19 | 0 58 | 23 50 | 0 16 | 10 8 | 1 49 | 17 21 | 0 40 | 21 16 | 1 24 | 8 11 | 17 20 | 14 58 | 15 21 | 2 32 | 4 45 | 2 43 |
| T 8 | 2 58 | 19 39 | 3 54 | 14 12 | 0 59 | 15 45 | 2 52 | 18 30 | 0 58 | 23 50 | 0 16 | 10 5 | 1 49 | 17 20 | 0 40 | 21 16 | 1 24 | 8 12 | 17 20 | 14 58 | 15 22 | 2 34 | 4 46 | 2 43 |
| F 9 | 2 34 | 19 46 | 3 1 | 14 3 | 1 8 | 15 40 | 2 45 | 18 41 | 0 59 | 23 50 | 0 16 | 10 3 | 1 49 | 17 19 | 0 40 | 21 16 | 1 24 | 8 13 | 17 20 | 14 58 | 15 23 | 2 36 | 4 48 | 2 43 |
| S 10 | 2 10 | 18 51 | 2 0 | 13 52 | 1 17 | 15 34 | 2 37 | 18 52 | 0 59 | 23 50 | 0 16 | 10 0 | 1 49 | 17 18 | 0 40 | 21 16 | 1 24 | 8 14 | 17 20 | 14 57 | 15 24 | 2 39 | 4 49 | 2 42 |
| S 11 | 1 47 | 17 1 | 0 55 | 13 39 | 1 26 | 15 27 | 2 29 | 19 2 | 0 59 | 23 50 | 0 16 | 9 57 | 1 49 | 17 17 | 0 40 | 21 16 | 1 24 | 8 14 | 17 21 | 14 57 | 15 25 | 2 41 | 4 50 | 2 42 |
| M12 | 1 23 | 14 25 | 0s12 | 13 25 | 1 34 | 15 20 | 2 22 | 19 13 | 1 0 | 23 51 | 0 17 | 9 55 | 1 49 | 17 17 | 0 40 | 21 16 | 1 24 | 8 15 | 17 21 | 14 56 | 15 26 | 2 43 | 4 52 | 2 42 |
| T 13 | 1 0 | 11 13 | 1 18 | 13 9 | 1 41 | 15 13 | 2 14 | 19 23 | 1 0 | 23 51 | 0 17 | 9 52 | 1 49 | 17 16 | 0 40 | 21 16 | 1 24 | 8 16 | 17 21 | 14 57 | 15 27 | 2 45 | 4 53 | 2 42 |
| W14 | 0 36 | 7 35 | 2 19 | 12 51 | 1 48 | 15 5 | 2 7 | 19 33 | 1 0 | 23 51 | 0 17 | 9 49 | 1 49 | 17 15 | 0 40 | 21 16 | 1 24 | 8 17 | 17 21 | 14 58 | 15 28 | 2 47 | 4 54 | 2 42 |
| T 15 | 0 12 | 3 41 | 3 13 | 12 32 | 1 55 | 14 57 | 2 0 | 19 43 | 1 1 | 23 51 | 0 17 | 9 47 | 1 49 | 17 14 | 0 40 | 21 16 | 1 24 | 8 17 | 17 22 | 14 59 | 15 29 | 2 49 | 4 56 | 2 42 |
| F 16 | 0n11 | 0n21 | 3 59 | 12 11 | 2 1 | 14 48 | 1 53 | 19 53 | 1 1 | 23 51 | 0 17 | 9 44 | 1 50 | 17 14 | 0 40 | 21 16 | 1 24 | 8 18 | 17 22 | 15 1 | 15 30 | 2 51 | 4 57 | 2 42 |
| S 17 | 0 35 | 4 21 | 4 34 | 11 49 | 2 6 | 14 38 | 1 46 | 20 3 | 1 1 | 23 51 | 0 17 | 9 42 | 1 50 | 17 13 | 0 40 | 21 16 | 1 24 | 8 19 | 17 22 | 15 4 | 15 31 | 2 53 | 4 58 | 2 42 |
| S 18 | 0 58 | 8 11 | 4 57 | 11 26 | 2 11 | 14 29 | 1 39 | 20 13 | 1 2 | 23 51 | 0 17 | 9 39 | 1 50 | 17 12 | 0 40 | 21 16 | 1 24 | 8 20 | 17 22 | 15 6 | 15 32 | 2 56 | 5 0 | 2 42 |
| M19 | 1 22 | 11 42 | 5 8 | 11 0 | 2 15 | 14 18 | 1 32 | 20 22 | 1 2 | 23 51 | 0 17 | 9 36 | 1 50 | 17 11 | 0 40 | 21 16 | 1 24 | 8 20 | 17 22 | 15 9 | 15 33 | 2 58 | 5 1 | 2 42 |
| T 20 | 1 45 | 14 47 | 5 5 | 10 34 | 2 19 | 14 7 | 1 25 | 20 31 | 1 2 | 23 51 | 0 17 | 9 34 | 1 50 | 17 11 | 0 40 | 21 15 | 1 24 | 8 21 | 17 22 | 15 11 | 15 34 | 3 0 | 5 2 | 2 42 |
| W21 | 2 9 | 17 16 | 4 49 | 10 6 | 2 22 | 13 56 | 1 18 | 20 41 | 1 3 | 23 51 | 0 17 | 9 31 | 1 50 | 17 10 | 0 40 | 21 15 | 1 24 | 8 22 | 17 23 | 15 13 | 15 35 | 3 2 | 5 4 | 2 42 |
| T 22 | 2 32 | 19 1 | 4 19 | 9 36 | 2 25 | 13 44 | 1 12 | 20 50 | 1 3 | 23 51 | 0 17 | 9 29 | 1 50 | 17 9 | 0 40 | 21 15 | 1 24 | 8 22 | 17 23 | 15 14 | 15 36 | 3 4 | 5 5 | 2 42 |
| F 23 | 2 56 | 19 53 | 3 36 | 9 5 | 2 27 | 13 32 | 1 5 | 20 58 | 1 3 | 23 51 | 0 17 | 9 26 | 1 50 | 17 8 | 0 40 | 21 15 | 1 24 | 8 23 | 17 23 | 15 14 | 15 37 | 3 6 | 5 6 | 2 42 |
| S 24 | 3 19 | 19 45 | 2 42 | 8 33 | 2 29 | 13 19 | 0 59 | 21 7 | 1 4 | 23 51 | 0 17 | 9 24 | 1 50 | 17 8 | 0 40 | 21 15 | 1 24 | 8 24 | 17 23 | 15 14 | 15 38 | 3 8 | 5 8 | 2 42 |
| S 25 | 3 42 | 18 32 | 1 37 | 8 0 | 2 30 | 13 6 | 0 52 | 21 16 | 1 4 | 23 51 | 0 17 | 9 21 | 1 51 | 17 7 | 0 40 | 21 15 | 1 24 | 8 25 | 17 23 | 15 14 | 15 39 | 3 11 | 5 9 | 2 41 |
| M26 | 4 5 | 16 13 | 0 25 | 7 25 | 2 31 | 12 52 | 0 46 | 21 24 | 1 4 | 23 51 | 0 17 | 9 19 | 1 51 | 17 6 | 0 40 | 21 15 | 1 24 | 8 25 | 17 23 | 15 13 | 15 40 | 3 13 | 5 11 | 2 41 |
| T 27 | 4 28 | 12 50 | 0n52 | 6 48 | 2 31 | 12 38 | 0 40 | 21 32 | 1 4 | 23 51 | 0 17 | 9 16 | 1 51 | 17 6 | 0 40 | 21 15 | 1 24 | 8 26 | 17 23 | 15 14 | 15 41 | 3 15 | 5 12 | 2 41 |
| W28 | 4 51 | 8 35 | 2 7 | 6 11 | 2 31 | 12 23 | 0 34 | 21 40 | 1 5 | 23 51 | 0 18 | 9 14 | 1 51 | 17 5 | 0 40 | 21 15 | 1 24 | 8 27 | 17 23 | 15 14 | 15 42 | 3 17 | 5 13 | 2 41 |
| T 29 | 5 14 | 3 41 | 3 15 | 5 32 | 2 30 | 12 8 | 0 28 | 21 48 | 1 5 | 23 51 | 0 18 | 9 11 | 1 51 | 17 5 | 0 40 | 21 15 | 1 25 | 8 27 | 17 23 | 15 16 | 15 43 | 3 19 | 5 15 | 2 41 |
| F 30 | 5 37 | 1s30 | 4 10 | 4 52 | 2 29 | 11 53 | 0 22 | 21 56 | 1 5 | 23 51 | 0 18 | 9 9 | 1 51 | 17 4 | 0 40 | 21 15 | 1 25 | 8 28 | 17 23 | 15 18 | 15 44 | 3 21 | 5 16 | 2 41 |
| S 31 | 6n 0 | 6s37 | 4n47 | 4s11 | 2s27 | 11s37 | 0n17 | 22n 4 | 1n 5 | 23n51 | 0n18 | 9s 7 | 1s51 | 17s 3 | 0s40 | 21s14 | 1n25 | 8n29 | 17n23 | 15n20 | 15n45 | 3n23 | 5n17 | 2n41 |

Julian Day Number = 2084175.5, Delta T = 24m52s
Ecliptic obliquity = 23°34'04, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'17, Lahiri = 9°50'17 Julian Calendar 1 March 994 == Greg. Calendar 6 March 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## APRIL 994 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 57 8 | 16♈ 7'38 | 13♏59 | 26♓51 | 0♓ 3 | 4♊16 | 2♋26 | 11♓20 | 15♒ 4 | 14°R19 | 19°R20 | 18°R27 | 17♌12 | 19♈25 | 7♈ 8 | S 1 |
| M 2 | 13 1 4 | 17° 6'04 | 28°54 | 28°33 | 1° 5 | 4°54 | 2°33 | 11°27 | 15° 6 | 14♐18 | 19♎19 | 18♌19 | 17° 9 | 19°32 | 7°12 | M 2 |
| T 3 | 13 5 1 | 18° 4'28 | 13♐24 | 0♈17 | 2° 7 | 5°32 | 2°41 | 11°33 | 15° 8 | 14°18 | 19°17 | 18°12 | 17° 6 | 19°39 | 7°15 | T 3 |
| W 4 | 13 8 57 | 19° 2'50 | 27°26 | 2° 3 | 3° 9 | 6°10 | 2°48 | 11°40 | 15°10 | 14°17 | 19°15 | 18° 8 | 17° 3 | 19°46 | 7°19 | W 4 |
| T 5 | 13 12 54 | 20° 1'10 | 10♑59 | 3°51 | 4°11 | 6°48 | 2°56 | 11°46 | 15°12 | 14°16 | 19°14 | 18° 6 | 17° 0 | 19°52 | 7°22 | T 5 |
| F 6 | 13 16 51 | 20°59'29 | 24° 5 | 5°40 | 5°14 | 7°26 | 3° 3 | 11°52 | 15°14 | 14°15 | 19°12 | 18°D 6 | 16°56 | 19°59 | 7°26 | F 6 |
| S 7 | 13 20 47 | 21°57'47 | 6♒47 | 7°32 | 6°17 | 8° 4 | 3°11 | 11°59 | 15°16 | 14°15 | 19°10 | 18° 6 | 16°53 | 20° 6 | 7°29 | S 7 |
| S 8 | 13 24 44 | 22°56'03 | 19°11 | 9°24 | 7°21 | 8°41 | 3°19 | 12° 5 | 15°18 | 14°14 | 19° 9 | 18°R 6 | 16°50 | 20°12 | 7°33 | S 8 |
| M 9 | 13 28 40 | 23°54'17 | 1♓21 | 11°19 | 8°24 | 9°19 | 3°27 | 12°11 | 15°19 | 14°13 | 19° 7 | 18° 6 | 16°47 | 20°19 | 7°36 | M 9 |
| T 10 | 13 32 37 | 24°52'30 | 13°21 | 13°15 | 9°28 | 9°57 | 3°36 | 12°17 | 15°21 | 14°12 | 19° 5 | 18° 3 | 16°44 | 20°26 | 7°40 | T 10 |
| W11 | 13 36 33 | 25°50'41 | 25°15 | 15°13 | 10°32 | 10°35 | 3°44 | 12°23 | 15°23 | 14°11 | 19° 3 | 17°57 | 16°41 | 20°33 | 7°43 | W11 |
| T 12 | 13 40 30 | 26°48'50 | 7♈ 6 | 17°12 | 11°36 | 11°13 | 3°52 | 12°29 | 15°24 | 14°10 | 19° 2 | 17°49 | 16°37 | 20°39 | 7°46 | T 12 |
| F 13 | 13 44 26 | 27°46'58 | 18°56 | 19°14 | 12°40 | 11°51 | 4° 1 | 12°35 | 15°26 | 14° 9 | 19° 0 | 17°38 | 16°34 | 20°46 | 7°50 | F 13 |
| S 14 | 13 48 23 | 28°45'04 | 0♉48 | 21°16 | 13°45 | 12°29 | 4°10 | 12°41 | 15°28 | 14° 8 | 18°58 | 17°25 | 16°31 | 20°53 | 7°53 | S 14 |
| S 15 | 13 52 20 | 29°43'08 | 12°42 | 23°21 | 14°50 | 13° 7 | 4°18 | 12°47 | 15°29 | 14° 7 | 18°57 | 17°12 | 16°28 | 20°59 | 7°56 | S 15 |
| M16 | 13 56 16 | 0♉41'11 | 24°40 | 25°26 | 15°54 | 13°45 | 4°27 | 12°53 | 15°31 | 14° 6 | 18°55 | 16°59 | 16°25 | 21° 6 | 8° 0 | M16 |
| T 17 | 14 0 13 | 1°39'12 | 6♊44 | 27°33 | 17° 0 | 14°23 | 4°36 | 12°59 | 15°32 | 14° 5 | 18°53 | 16°48 | 16°21 | 21°13 | 8° 3 | T 17 |
| W18 | 14 4 9 | 2°37'11 | 18°55 | 29°41 | 18° 5 | 15° 1 | 4°46 | 13° 5 | 15°33 | 14° 4 | 18°52 | 16°39 | 16°18 | 21°19 | 8° 6 | W18 |
| T 19 | 14 8 6 | 3°35'08 | 1♋17 | 1♉50 | 19°10 | 15°39 | 4°55 | 13°10 | 15°35 | 14° 3 | 18°50 | 16°32 | 16°15 | 21°26 | 8°10 | T 19 |
| F 20 | 14 12 2 | 4°33'04 | 13°51 | 4° 0 | 20°16 | 16°16 | 5° 4 | 13°16 | 15°36 | 14° 2 | 18°49 | 16°28 | 16°12 | 21°33 | 8°13 | F 20 |
| S 21 | 14 15 59 | 5°30'57 | 26°42 | 6°10 | 21°22 | 16°54 | 5°14 | 13°21 | 15°37 | 14° 0 | 18°47 | 16°27 | 16° 9 | 21°40 | 8°16 | S 21 |
| S 22 | 14 19 55 | 6°28'49 | 9♌53 | 8°21 | 22°28 | 17°32 | 5°23 | 13°27 | 15°38 | 13°59 | 18°45 | 16°27 | 16° 6 | 21°46 | 8°19 | S 22 |
| M23 | 14 23 52 | 7°26'39 | 23°27 | 10°32 | 23°34 | 18°10 | 5°33 | 13°32 | 15°39 | 13°58 | 18°44 | 16°27 | 16° 2 | 21°53 | 8°23 | M23 |
| T 24 | 14 27 49 | 8°24'28 | 7♍27 | 12°42 | 24°40 | 18°48 | 5°43 | 13°37 | 15°40 | 13°57 | 18°42 | 16°26 | 15°59 | 22° 0 | 8°26 | T 24 |
| W25 | 14 31 45 | 9°22'14 | 21°53 | 14°52 | 25°46 | 19°26 | 5°53 | 13°43 | 15°41 | 13°56 | 18°41 | 16°22 | 15°56 | 22° 6 | 8°29 | W25 |
| T 26 | 14 35 42 | 10°19'59 | 6♎43 | 17° 2 | 26°53 | 20° 4 | 6° 3 | 13°48 | 15°42 | 13°54 | 18°39 | 16°17 | 15°53 | 22°13 | 8°32 | T 26 |
| F 27 | 14 39 38 | 11°17'42 | 21°50 | 19°10 | 28° 0 | 20°41 | 6°13 | 13°53 | 15°43 | 13°53 | 18°38 | 16° 8 | 15°50 | 22°20 | 8°35 | F 27 |
| S 28 | 14 43 35 | 12°15'23 | 7♏ 6 | 21°17 | 29° 6 | 21°19 | 6°23 | 13°58 | 15°44 | 13°52 | 18°36 | 15°58 | 15°46 | 22°27 | 8°38 | S 28 |
| S 29 | 14 47 31 | 13°13'03 | 22°19 | 23°22 | 0♈13 | 21°57 | 6°33 | 14° 3 | 15°45 | 13°50 | 18°35 | 15°47 | 15°43 | 22°33 | 8°41 | S 29 |
| M30 | 14 51 28 | 14♉10'42 | 7♐19 | 25♉26 | 1♈20 | 22♊35 | 6♋43 | 14♓ 8 | 15♒46 | 13♐49 | 18♎33 | 15♌37 | 15♌40 | 22♈40 | 8♈44 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n23 | 11s17 | 5n 4 | 3s28 | 2s25 | 11s21 | 0n11 | 22n11 | 1n 6 | 23n51 | 0n18 | 9s 4 | 1s52 | 17s 3 | 0s40 | 21s14 | 1n25 | 8n29 | 17n23 | 15n23 | 15n46 | 3n26 | 5n19 | 2n41 |
| M 2 | 6 45 | 15 8 | 5 0 | 2 45 | 2 22 | 11 4 | 0 6 | 22 18 | 1 6 | 23 50 | 0 18 | 9 2 | 1 52 | 17 2 | 0 40 | 21 14 | 1 25 | 8 30 | 17 23 | 15 25 | 15 47 | 3 28 | 5 20 | 2 41 |
| T 3 | 7 8 | 17 58 | 4 36 | 2 0 | 2 18 | 10 47 | 0 0 | 22 26 | 1 6 | 23 50 | 0 18 | 8 59 | 1 52 | 17 2 | 0 41 | 21 14 | 1 25 | 8 30 | 17 23 | 15 27 | 15 48 | 3 30 | 5 21 | 2 41 |
| W 4 | 7 30 | 19 36 | 3 57 | 1 14 | 2 14 | 10 29 | 0s 5 | 22 33 | 1 6 | 23 50 | 0 18 | 8 57 | 1 52 | 17 1 | 0 41 | 21 14 | 1 25 | 8 31 | 17 23 | 15 29 | 15 49 | 3 32 | 5 23 | 2 41 |
| T 5 | 7 52 | 20 3 | 3 5 | 0 27 | 2 10 | 10 11 | 0 10 | 22 39 | 1 7 | 23 50 | 0 18 | 8 55 | 1 52 | 17 1 | 0 41 | 21 14 | 1 25 | 8 32 | 17 23 | 15 29 | 15 50 | 3 34 | 5 24 | 2 41 |
| F 6 | 8 14 | 19 22 | 2 5 | 0n22 | 2 5 | 9 53 | 0 15 | 22 46 | 1 7 | 23 50 | 0 18 | 8 53 | 1 52 | 17 0 | 0 41 | 21 14 | 1 25 | 8 32 | 17 23 | 15 29 | 15 51 | 3 36 | 5 26 | 2 41 |
| S 7 | 8 36 | 17 42 | 1 0 | 1 11 | 1 59 | 9 34 | 0 20 | 22 52 | 1 7 | 23 50 | 0 18 | 8 50 | 1 52 | 17 0 | 0 41 | 21 14 | 1 25 | 8 33 | 17 23 | 15 29 | 15 52 | 3 38 | 5 27 | 2 41 |
| S 8 | 8 58 | 15 14 | 0s 6 | 2 1 | 1 53 | 9 15 | 0 25 | 22 59 | 1 7 | 23 50 | 0 18 | 8 48 | 1 53 | 16 59 | 0 41 | 21 14 | 1 25 | 8 33 | 17 23 | 15 29 | 15 52 | 3 41 | 5 28 | 2 41 |
| M 9 | 9 19 | 12 8 | 1 10 | 2 52 | 1 47 | 8 55 | 0 30 | 23 5 | 1 7 | 23 50 | 0 18 | 8 46 | 1 53 | 16 59 | 0 41 | 21 13 | 1 25 | 8 34 | 17 23 | 15 29 | 15 53 | 3 43 | 5 30 | 2 41 |
| T 10 | 9 41 | 8 35 | 2 10 | 3 44 | 1 40 | 8 36 | 0 34 | 23 11 | 1 8 | 23 49 | 0 18 | 8 44 | 1 53 | 16 58 | 0 41 | 21 13 | 1 25 | 8 35 | 17 23 | 15 30 | 15 54 | 3 45 | 5 31 | 2 41 |
| W11 | 10 2 | 4 42 | 3 4 | 4 37 | 1 32 | 8 15 | 0 39 | 23 16 | 1 8 | 23 49 | 0 18 | 8 41 | 1 53 | 16 58 | 0 41 | 21 13 | 1 25 | 8 35 | 17 23 | 15 32 | 15 55 | 3 47 | 5 32 | 2 41 |
| T 12 | 10 23 | 0 41 | 3 49 | 5 30 | 1 24 | 7 55 | 0 43 | 23 22 | 1 8 | 23 49 | 0 18 | 8 39 | 1 53 | 16 57 | 0 41 | 21 13 | 1 25 | 8 36 | 17 23 | 15 35 | 15 56 | 3 49 | 5 34 | 2 41 |
| F 13 | 10 44 | 3n22 | 4 25 | 6 24 | 1 16 | 7 34 | 0 47 | 23 27 | 1 8 | 23 49 | 0 18 | 8 37 | 1 53 | 16 57 | 0 41 | 21 13 | 1 25 | 8 36 | 17 23 | 15 38 | 15 57 | 3 51 | 5 35 | 2 41 |
| S 14 | 11 5 | 7 18 | 4 49 | 7 19 | 1 7 | 7 13 | 0 52 | 23 33 | 1 8 | 23 49 | 0 19 | 8 35 | 1 54 | 16 56 | 0 41 | 21 13 | 1 25 | 8 37 | 17 23 | 15 42 | 15 58 | 3 53 | 5 36 | 2 41 |
| S 15 | 11 26 | 10 58 | 5 0 | 8 13 | 0 58 | 6 52 | 0 56 | 23 38 | 1 9 | 23 48 | 0 19 | 8 33 | 1 54 | 16 56 | 0 41 | 21 13 | 1 25 | 8 37 | 17 23 | 15 46 | 15 59 | 3 56 | 5 38 | 2 41 |
| M16 | 11 46 | 14 13 | 4 58 | 9 9 | 0 48 | 6 30 | 1 0 | 23 43 | 1 9 | 23 48 | 0 19 | 8 31 | 1 54 | 16 55 | 0 41 | 21 12 | 1 25 | 8 38 | 17 22 | 15 50 | 16 0 | 3 58 | 5 39 | 2 41 |
| T 17 | 12 7 | 16 54 | 4 43 | 10 4 | 0 38 | 6 8 | 1 3 | 23 47 | 1 9 | 23 48 | 0 19 | 8 29 | 1 54 | 16 55 | 0 41 | 21 12 | 1 25 | 8 38 | 17 22 | 15 53 | 16 1 | 4 0 | 5 40 | 2 41 |
| W18 | 12 27 | 18 52 | 4 15 | 10 59 | 0 28 | 5 46 | 1 7 | 23 52 | 1 9 | 23 48 | 0 19 | 8 27 | 1 54 | 16 55 | 0 41 | 21 12 | 1 25 | 8 38 | 17 22 | 15 56 | 16 2 | 4 2 | 5 42 | 2 41 |
| T 19 | 12 47 | 19 59 | 3 35 | 11 54 | 0 18 | 5 23 | 1 11 | 23 56 | 1 9 | 23 47 | 0 19 | 8 25 | 1 55 | 16 54 | 0 41 | 21 12 | 1 25 | 8 39 | 17 22 | 15 58 | 16 3 | 4 4 | 5 43 | 2 41 |
| F 20 | 13 6 | 20 8 | 2 43 | 12 48 | 0 7 | 5 1 | 1 14 | 24 0 | 1 9 | 23 47 | 0 19 | 8 23 | 1 55 | 16 54 | 0 41 | 21 12 | 1 25 | 8 39 | 17 22 | 15 59 | 16 4 | 4 6 | 5 44 | 2 41 |
| S 21 | 13 26 | 19 15 | 1 43 | 13 42 | 0n 3 | 4 38 | 1 17 | 24 4 | 1 10 | 23 47 | 0 19 | 8 21 | 1 55 | 16 54 | 0 41 | 21 12 | 1 25 | 8 40 | 17 22 | 15 59 | 16 5 | 4 8 | 5 46 | 2 41 |
| S 22 | 13 45 | 17 19 | 0 35 | 14 35 | 0 14 | 4 14 | 1 21 | 24 8 | 1 10 | 23 46 | 0 19 | 8 19 | 1 55 | 16 53 | 0 41 | 21 11 | 1 25 | 8 40 | 17 21 | 16 0 | 16 6 | 4 11 | 5 47 | 2 41 |
| M23 | 14 4 | 14 21 | 0n37 | 15 27 | 0 24 | 3 51 | 1 24 | 24 12 | 1 10 | 23 46 | 0 19 | 8 17 | 1 55 | 16 53 | 0 41 | 21 11 | 1 25 | 8 41 | 17 21 | 16 0 | 16 7 | 4 13 | 5 48 | 2 41 |
| T 24 | 14 23 | 10 30 | 1 49 | 16 17 | 0 35 | 3 27 | 1 27 | 24 15 | 1 10 | 23 46 | 0 19 | 8 15 | 1 56 | 16 53 | 0 41 | 21 11 | 1 25 | 8 41 | 17 21 | 16 0 | 16 8 | 4 15 | 5 49 | 2 41 |
| W25 | 14 42 | 5 55 | 2 56 | 17 6 | 0 45 | 3 3 | 1 30 | 24 19 | 1 10 | 23 45 | 0 19 | 8 13 | 1 56 | 16 52 | 0 41 | 21 11 | 1 25 | 8 41 | 17 21 | 16 1 | 16 9 | 4 17 | 5 51 | 2 41 |
| T 26 | 15 0 | 0 53 | 3 52 | 17 53 | 0 55 | 2 39 | 1 32 | 24 22 | 1 10 | 23 45 | 0 19 | 8 11 | 1 56 | 16 52 | 0 41 | 21 11 | 1 25 | 8 42 | 17 21 | 16 3 | 16 10 | 4 19 | 5 52 | 2 41 |
| F 27 | 15 18 | 4s19 | 4 34 | 18 39 | 1 5 | 2 15 | 1 35 | 24 25 | 1 10 | 23 45 | 0 19 | 8 9 | 1 56 | 16 52 | 0 41 | 21 11 | 1 25 | 8 42 | 17 20 | 16 5 | 16 11 | 4 21 | 5 53 | 2 41 |
| S 28 | 15 36 | 9 17 | 4 57 | 19 22 | 1 14 | 1 51 | 1 38 | 24 27 | 1 11 | 23 44 | 0 19 | 8 8 | 1 56 | 16 52 | 0 41 | 21 10 | 1 25 | 8 42 | 17 20 | 16 8 | 16 12 | 4 24 | 5 54 | 2 41 |
| S 29 | 15 53 | 13 38 | 4 58 | 20 3 | 1 23 | 1 26 | 1 40 | 24 30 | 1 11 | 23 44 | 0 19 | 8 6 | 1 57 | 16 52 | 0 41 | 21 10 | 1 25 | 8 43 | 17 20 | 16 11 | 16 13 | 4 26 | 5 56 | 2 41 |
| M30 | 16n11 | 17s 3 | 4n39 | 20n41 | 1n31 | 1s 2 | 1s42 | 24n32 | 1n11 | 23n43 | 0n19 | 8s 4 | 1s57 | 16s51 | 0s41 | 21s10 | 1n25 | 8n43 | 17n20 | 16n15 | 16n13 | 4n28 | 5n57 | 2n41 |

Julian Day Number = 2084206.5, Delta T = 24m51s
Ecliptic obliquity = 23°34'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'21, Lahiri = 9°50'22 Julian Calendar 1 Apr. 994 == Greg. Calendar 6 Apr. 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## MAY 994 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 14 55 24 | 15♉ 8'20 | 21♐56 | 27♉28 | 2♈27 | 23♊13 | 6♋54 | 14♓13 | 15♒47 | 13°R48 | 18°R32 | 15°R28 | 15♌37 | 22♈47 | 8♈47 | T 1 |
| W 2 | 14 59 21 | 16° 5'57 | 6♑ 6 | 29°27 | 3°35 | 23°50 | 7° 4 | 14°18 | 15°47 | 13♐46 | 18♎30 | 15♌22 | 15°34 | 22°53 | 8°50 | W 2 |
| T 3 | 15 3 18 | 17° 3'32 | 19°46 | 1♊24 | 4°42 | 24°28 | 7°15 | 14°22 | 15°48 | 13°45 | 18°29 | 15°18 | 15°31 | 23° 0 | 8°53 | T 3 |
| F 4 | 15 7 14 | 18° 1'07 | 2♒57 | 3°19 | 5°50 | 25° 6 | 7°26 | 14°27 | 15°49 | 13°44 | 18°27 | 15°17 | 15°27 | 23° 7 | 8°56 | F 4 |
| S 5 | 15 11 11 | 18°58'41 | 15°42 | 5°11 | 6°57 | 25°44 | 7°36 | 14°32 | 15°49 | 13°42 | 18°26 | 15°16 | 15°24 | 23°14 | 8°59 | S 5 |
| S 6 | 15 15 7 | 19°56'13 | 28° 6 | 7° 0 | 8° 5 | 26°22 | 7°47 | 14°36 | 15°50 | 13°41 | 18°24 | 15°16 | 15°21 | 23°20 | 9° 2 | S 6 |
| M 7 | 15 19 4 | 20°53'45 | 10♓15 | 8°47 | 9°13 | 26°59 | 7°58 | 14°40 | 15°50 | 13°39 | 18°23 | 15°15 | 15°18 | 23°27 | 9° 5 | M 7 |
| T 8 | 15 23 0 | 21°51'16 | 22°13 | 10°30 | 10°21 | 27°37 | 8° 9 | 14°45 | 15°51 | 13°38 | 18°22 | 15°12 | 15°15 | 23°34 | 9° 8 | T 8 |
| W 9 | 15 26 57 | 22°48'46 | 4♈ 5 | 12°11 | 11°29 | 28°15 | 8°20 | 14°49 | 15°51 | 13°36 | 18°20 | 15° 7 | 15°12 | 23°40 | 9°11 | W 9 |
| T 10 | 15 30 53 | 23°46'15 | 15°55 | 13°49 | 12°37 | 28°53 | 8°31 | 14°53 | 15°51 | 13°35 | 18°19 | 14°58 | 15° 8 | 23°47 | 9°13 | T 10 |
| F 11 | 15 34 50 | 24°43'43 | 27°45 | 15°24 | 13°46 | 29°30 | 8°43 | 14°57 | 15°51 | 13°33 | 18°18 | 14°47 | 15° 5 | 23°54 | 9°16 | F 11 |
| S 12 | 15 38 47 | 25°41'10 | 9♉40 | 16°56 | 14°54 | 0♋ 8 | 8°54 | 15° 1 | 15°52 | 13°32 | 18°17 | 14°35 | 15° 2 | 24° 1 | 9°19 | S 12 |
| S 13 | 15 42 43 | 26°38'37 | 21°40 | 18°25 | 16° 3 | 0°46 | 9° 5 | 15° 5 | 15°52 | 13°30 | 18°15 | 14°21 | 14°59 | 24° 7 | 9°21 | S 13 |
| M14 | 15 46 40 | 27°36'02 | 3♊46 | 19°51 | 17°11 | 1°24 | 9°17 | 15° 9 | 15°52 | 13°29 | 18°14 | 14° 8 | 14°56 | 24°14 | 9°24 | M14 |
| T 15 | 15 50 36 | 28°33'27 | 16° 1 | 21°14 | 18°20 | 2° 2 | 9°28 | 15°13 | 15°52 | 13°27 | 18°13 | 13°56 | 14°52 | 24°21 | 9°27 | T 15 |
| W16 | 15 54 33 | 29°30'50 | 28°24 | 22°34 | 19°29 | 2°39 | 9°40 | 15°16 | 15°R52 | 13°26 | 18°12 | 13°47 | 14°49 | 24°27 | 9°29 | W16 |
| T 17 | 15 58 29 | 0♊28'13 | 10♋56 | 23°51 | 20°37 | 3°17 | 9°52 | 15°20 | 15°52 | 13°24 | 18°11 | 13°40 | 14°46 | 24°34 | 9°32 | T 17 |
| F 18 | 16 2 26 | 1°25'35 | 23°41 | 25° 4 | 21°46 | 3°55 | 10° 3 | 15°24 | 15°52 | 13°23 | 18°10 | 13°37 | 14°43 | 24°41 | 9°34 | F 18 |
| S 19 | 16 6 22 | 2°22'55 | 6♌39 | 26°15 | 22°55 | 4°33 | 10°15 | 15°27 | 15°52 | 13°21 | 18° 8 | 13°35 | 14°40 | 24°48 | 9°36 | S 19 |
| S 20 | 16 10 19 | 3°20'14 | 19°53 | 27°21 | 24° 4 | 5°10 | 10°27 | 15°30 | 15°52 | 13°19 | 18° 7 | 13°D35 | 14°37 | 24°54 | 9°39 | S 20 |
| M21 | 16 14 16 | 4°17'33 | 3♍25 | 28°25 | 25°13 | 5°48 | 10°39 | 15°33 | 15°51 | 13°18 | 18° 6 | 13°R35 | 14°33 | 25° 1 | 9°41 | M21 |
| T 22 | 16 18 12 | 5°14'50 | 17°18 | 29°25 | 26°23 | 6°26 | 10°51 | 15°37 | 15°51 | 13°16 | 18° 5 | 13°35 | 14°30 | 25° 8 | 9°44 | T 22 |
| W23 | 16 22 9 | 6°12'06 | 1♎31 | 0♋22 | 27°32 | 7° 4 | 11° 3 | 15°40 | 15°51 | 13°15 | 18° 4 | 13°32 | 14°27 | 25°14 | 9°46 | W23 |
| T 24 | 16 26 5 | 7° 9'22 | 16° 5 | 1°15 | 28°41 | 7°41 | 11°15 | 15°43 | 15°50 | 13°13 | 18° 3 | 13°28 | 14°24 | 25°21 | 9°48 | T 24 |
| F 25 | 16 30 2 | 8° 6'36 | 0♏53 | 2° 4 | 29°51 | 8°19 | 11°27 | 15°46 | 15°50 | 13°11 | 18° 2 | 13°21 | 14°21 | 25°28 | 9°50 | F 25 |
| S 26 | 16 33 58 | 9° 3'50 | 15°51 | 2°49 | 1♉ 0 | 8°57 | 11°39 | 15°48 | 15°49 | 13°10 | 18° 2 | 13°12 | 14°18 | 25°35 | 9°52 | S 26 |
| S 27 | 16 37 55 | 10° 1'03 | 0♐49 | 3°31 | 2°10 | 9°34 | 11°51 | 15°51 | 15°49 | 13° 8 | 18° 1 | 13° 3 | 14°14 | 25°41 | 9°55 | S 27 |
| M28 | 16 41 51 | 10°58'15 | 15°38 | 4° 8 | 3°19 | 10°12 | 12° 4 | 15°54 | 15°48 | 13° 7 | 18° 0 | 12°54 | 14°11 | 25°48 | 9°57 | M28 |
| T 29 | 16 45 48 | 11°55'27 | 0♑ 9 | 4°42 | 4°29 | 10°50 | 12°16 | 15°56 | 15°48 | 13° 5 | 17°59 | 12°47 | 14° 8 | 25°55 | 9°59 | T 29 |
| W30 | 16 49 45 | 12°52'39 | 14°16 | 5°11 | 5°39 | 11°28 | 12°28 | 15°59 | 15°47 | 13° 3 | 17°58 | 12°41 | 14° 5 | 26° 1 | 10° 1 | W30 |
| T 31 | 16 53 41 | 13♊49'50 | 27♑57 | 5♋36 | 6♉49 | 12♋ 5 | 12♋41 | 16♓ 1 | 15♒46 | 13♐ 2 | 17♎57 | 12♌38 | 14♌ 2 | 26♈ 8 | 10♈ 3 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 16n28 | 19s17 | 4n 2 | 21n18 | 1n38 | 0s37 | 1s45 | 24n34 | 1n11 | 23n43 | 0n20 | 8s 3 | 1s57 | 16s51 | 0s42 | 21s10 | 1n25 | 8n43 | 17n19 | 16n17 | 16n14 | 4n30 | 5n58 | 2n41 |
| W 2 | 16 45 | 20 15 | 3 11 | 21 51 | 1 45 | 0 12 | 1 47 | 24 36 | 1 11 | 23 42 | 0 20 | 8 1 | 1 57 | 16 51 | 0 42 | 21 10 | 1 25 | 8 43 | 17 19 | 16 19 | 16 15 | 4 32 | 5 59 | 2 41 |
| T 3 | 17 1 | 19 57 | 2 11 | 22 22 | 1 52 | 0n13 | 1 49 | 24 38 | 1 11 | 23 42 | 0 20 | 7 59 | 1 57 | 16 51 | 0 42 | 21 10 | 1 25 | 8 44 | 17 19 | 16 20 | 16 16 | 4 34 | 6 0 | 2 41 |
| F 4 | 17 17 | 18 33 | 1 5 | 22 51 | 1 57 | 0 38 | 1 51 | 24 40 | 1 11 | 23 41 | 0 20 | 7 58 | 1 58 | 16 51 | 0 42 | 21 9 | 1 25 | 8 44 | 17 18 | 16 20 | 16 17 | 4 36 | 6 2 | 2 41 |
| S 5 | 17 33 | 16 15 | 0s 2 | 23 17 | 2 2 | 1 3 | 1 52 | 24 41 | 1 11 | 23 41 | 0 20 | 7 56 | 1 58 | 16 51 | 0 42 | 21 9 | 1 25 | 8 44 | 17 18 | 16 21 | 16 18 | 4 39 | 6 3 | 2 41 |
| S 6 | 17 49 | 13 15 | 1 7 | 23 40 | 2 6 | 1 29 | 1 54 | 24 42 | 1 11 | 23 40 | 0 20 | 7 55 | 1 58 | 16 50 | 0 42 | 21 9 | 1 25 | 8 44 | 17 18 | 16 21 | 16 19 | 4 41 | 6 4 | 2 41 |
| M 7 | 18 5 | 9 44 | 2 8 | 24 1 | 2 10 | 1 54 | 1 56 | 24 43 | 1 11 | 23 39 | 0 20 | 7 53 | 1 58 | 16 50 | 0 42 | 21 9 | 1 25 | 8 45 | 17 17 | 16 21 | 16 20 | 4 43 | 6 5 | 2 41 |
| T 8 | 18 20 | 5 53 | 3 2 | 24 19 | 2 12 | 2 20 | 1 57 | 24 44 | 1 12 | 23 39 | 0 20 | 7 52 | 1 59 | 16 50 | 0 42 | 21 9 | 1 25 | 8 45 | 17 17 | 16 22 | 16 21 | 4 45 | 6 6 | 2 41 |
| W 9 | 18 34 | 1 51 | 3 48 | 24 35 | 2 14 | 2 45 | 1 58 | 24 45 | 1 12 | 23 38 | 0 20 | 7 50 | 1 59 | 16 50 | 0 42 | 21 8 | 1 26 | 8 45 | 17 17 | 16 23 | 16 22 | 4 47 | 6 7 | 2 41 |
| T 10 | 18 49 | 2n15 | 4 23 | 24 49 | 2 15 | 3 11 | 2 0 | 24 45 | 1 12 | 23 38 | 0 20 | 7 49 | 1 59 | 16 50 | 0 42 | 21 8 | 1 26 | 8 45 | 17 16 | 16 26 | 16 23 | 4 49 | 6 9 | 2 41 |
| F 11 | 19 3 | 6 16 | 4 47 | 25 0 | 2 15 | 3 36 | 2 1 | 24 46 | 1 12 | 23 37 | 0 20 | 7 47 | 1 59 | 16 50 | 0 42 | 21 8 | 1 26 | 8 45 | 17 16 | 16 29 | 16 24 | 4 52 | 6 10 | 2 41 |
| S 12 | 19 17 | 10 3 | 4 59 | 25 9 | 2 15 | 4 2 | 2 2 | 24 46 | 1 12 | 23 36 | 0 20 | 7 46 | 2 0 | 16 50 | 0 42 | 21 8 | 1 26 | 8 45 | 17 16 | 16 33 | 16 25 | 4 54 | 6 11 | 2 41 |
| S 13 | 19 31 | 13 29 | 4 58 | 25 16 | 2 13 | 4 27 | 2 3 | 24 46 | 1 12 | 23 35 | 0 20 | 7 45 | 2 0 | 16 50 | 0 42 | 21 8 | 1 26 | 8 45 | 17 15 | 16 37 | 16 26 | 4 56 | 6 12 | 2 42 |
| M14 | 19 44 | 16 23 | 4 43 | 25 21 | 2 11 | 4 53 | 2 3 | 24 46 | 1 12 | 23 35 | 0 20 | 7 43 | 2 0 | 16 50 | 0 42 | 21 7 | 1 26 | 8 45 | 17 15 | 16 41 | 16 27 | 4 58 | 6 13 | 2 42 |
| T 15 | 19 57 | 18 36 | 4 15 | 25 25 | 2 8 | 5 19 | 2 4 | 24 45 | 1 12 | 23 34 | 0 20 | 7 42 | 2 0 | 16 50 | 0 42 | 21 7 | 1 26 | 8 46 | 17 14 | 16 44 | 16 28 | 5 0 | 6 14 | 2 42 |
| W16 | 20 9 | 19 58 | 3 35 | 25 26 | 2 5 | 5 44 | 2 5 | 24 45 | 1 12 | 23 33 | 0 20 | 7 41 | 2 0 | 16 50 | 0 42 | 21 7 | 1 26 | 8 46 | 17 14 | 16 47 | 16 29 | 5 2 | 6 15 | 2 42 |
| T 17 | 20 22 | 20 24 | 2 44 | 25 25 | 2 0 | 6 10 | 2 5 | 24 44 | 1 12 | 23 32 | 0 21 | 7 40 | 2 1 | 16 50 | 0 42 | 21 7 | 1 26 | 8 46 | 17 14 | 16 49 | 16 29 | 5 5 | 6 16 | 2 42 |
| F 18 | 20 33 | 19 47 | 1 44 | 25 23 | 1 55 | 6 35 | 2 6 | 24 43 | 1 12 | 23 32 | 0 21 | 7 39 | 2 1 | 16 50 | 0 42 | 21 7 | 1 26 | 8 46 | 17 13 | 16 50 | 16 30 | 5 7 | 6 17 | 2 42 |
| S 19 | 20 45 | 18 7 | 0 37 | 25 20 | 1 49 | 7 0 | 2 6 | 24 42 | 1 12 | 23 31 | 0 21 | 7 38 | 2 1 | 16 50 | 0 42 | 21 7 | 1 26 | 8 46 | 17 13 | 16 50 | 16 31 | 5 9 | 6 18 | 2 42 |
| S 20 | 20 56 | 15 28 | 0n33 | 25 15 | 1 42 | 7 26 | 2 6 | 24 40 | 1 12 | 23 30 | 0 21 | 7 36 | 2 1 | 16 50 | 0 42 | 21 6 | 1 26 | 8 46 | 17 12 | 16 50 | 16 32 | 5 11 | 6 19 | 2 42 |
| M21 | 21 7 | 11 55 | 1 43 | 25 8 | 1 35 | 7 51 | 2 6 | 24 39 | 1 12 | 23 29 | 0 21 | 7 35 | 2 2 | 16 51 | 0 42 | 21 6 | 1 26 | 8 46 | 17 12 | 16 50 | 16 33 | 5 13 | 6 20 | 2 42 |
| T 22 | 21 17 | 7 38 | 2 49 | 25 0 | 1 26 | 8 16 | 2 6 | 24 37 | 1 12 | 23 28 | 0 21 | 7 34 | 2 2 | 16 51 | 0 42 | 21 6 | 1 26 | 8 46 | 17 11 | 16 50 | 16 34 | 5 15 | 6 21 | 2 42 |
| W23 | 21 28 | 2 51 | 3 46 | 24 51 | 1 17 | 8 41 | 2 6 | 24 35 | 1 12 | 23 27 | 0 21 | 7 34 | 2 2 | 16 51 | 0 42 | 21 6 | 1 26 | 8 46 | 17 11 | 16 51 | 16 35 | 5 17 | 6 22 | 2 42 |
| T 24 | 21 37 | 2s13 | 4 30 | 24 41 | 1 8 | 9 6 | 2 6 | 24 33 | 1 12 | 23 26 | 0 21 | 7 33 | 2 2 | 16 51 | 0 42 | 21 6 | 1 26 | 8 45 | 17 10 | 16 52 | 16 36 | 5 20 | 6 23 | 2 42 |
| F 25 | 21 47 | 7 13 | 4 56 | 24 30 | 0 57 | 9 31 | 2 6 | 24 31 | 1 12 | 23 25 | 0 21 | 7 32 | 2 3 | 16 51 | 0 42 | 21 5 | 1 26 | 8 45 | 17 10 | 16 54 | 16 37 | 5 22 | 6 24 | 2 42 |
| S 26 | 21 56 | 11 50 | 5 3 | 24 18 | 0 46 | 9 55 | 2 6 | 24 28 | 1 12 | 23 24 | 0 21 | 7 31 | 2 3 | 16 51 | 0 42 | 21 5 | 1 26 | 8 45 | 17 10 | 16 57 | 16 38 | 5 24 | 6 25 | 2 42 |
| S 27 | 22 4 | 15 43 | 4 49 | 24 6 | 0 34 | 10 20 | 2 5 | 24 26 | 1 13 | 23 23 | 0 21 | 7 30 | 2 3 | 16 51 | 0 43 | 21 5 | 1 26 | 8 45 | 17 9 | 16 59 | 16 39 | 5 26 | 6 26 | 2 42 |
| M28 | 22 13 | 18 33 | 4 16 | 23 52 | 0 22 | 10 44 | 2 5 | 24 23 | 1 13 | 23 22 | 0 21 | 7 29 | 2 4 | 16 52 | 0 43 | 21 5 | 1 26 | 8 45 | 17 9 | 17 2 | 16 40 | 5 28 | 6 27 | 2 42 |
| T 29 | 22 20 | 20 8 | 3 26 | 23 38 | 0 9 | 11 8 | 2 4 | 24 20 | 1 13 | 23 21 | 0 21 | 7 29 | 2 4 | 16 52 | 0 43 | 21 5 | 1 26 | 8 45 | 17 8 | 17 4 | 16 41 | 5 30 | 6 28 | 2 42 |
| W30 | 22 28 | 20 23 | 2 25 | 23 23 | 0s 5 | 11 32 | 2 3 | 24 16 | 1 13 | 23 20 | 0 21 | 7 28 | 2 4 | 16 52 | 0 43 | 21 4 | 1 26 | 8 45 | 17 8 | 17 5 | 16 42 | 5 33 | 6 28 | 2 43 |
| T 31 | 22n35 | 19s25 | 1n18 | 23n 8 | 0s19 | 11n56 | 2s 3 | 24n13 | 1n13 | 23n19 | 0n21 | 7s27 | 2s 4 | 16s52 | 0s43 | 21s 4 | 1n26 | 8n44 | 17n 7 | 17n 6 | 16n42 | 5n35 | 6n29 | 2n43 |

Julian Day Number = 2084236.5, Delta T = 24m51s
Ecliptic obliquity = 23°34'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'25, Lahiri = 9°50'26 Julian Calendar 1 May 994 == Greg. Calendar 6 May 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## JUNE 994 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 16 57 38 | 14♊47'01 | 11♒11 | 5♋56 | 7♉59 | 12♋43 | 12♋53 | 16♓ 3 | 15°R46 | 13°R 0 | 17°R57 | 12°D37 | 13♌58 | 26♈15 | 10♈ 5 | F 1 |
| S 2 | 17 1 34 | 15°44'12 | 24° 0 | 6°12 | 9° 9 | 13°21 | 13° 6 | 16° 5 | 15♒45 | 12♐58 | 17♎56 | 12♌38 | 13°55 | 26°22 | 10° 6 | S 2 |
| S 3 | 17 5 31 | 16°41'23 | 6♓28 | 6°24 | 10°19 | 13°59 | 13°18 | 16° 7 | 15°44 | 12°57 | 17°55 | 12°39 | 13°52 | 26°28 | 10° 8 | S 3 |
| M 4 | 17 9 27 | 17°38'34 | 18°39 | 6°31 | 11°29 | 14°36 | 13°31 | 16° 9 | 15°43 | 12°55 | 17°55 | 12°R39 | 13°49 | 26°35 | 10°10 | M 4 |
| T 5 | 17 13 24 | 18°35'45 | 0♈39 | 6°R33 | 12°39 | 15°14 | 13°43 | 16°11 | 15°42 | 12°54 | 17°54 | 12°38 | 13°46 | 26°42 | 10°12 | T 5 |
| W 6 | 17 17 20 | 19°32'55 | 12°32 | 6°31 | 13°49 | 15°52 | 13°56 | 16°13 | 15°41 | 12°52 | 17°54 | 12°35 | 13°43 | 26°48 | 10°13 | W 6 |
| T 7 | 17 21 17 | 20°30'06 | 24°23 | 6°24 | 15° 0 | 16°29 | 14° 9 | 16°14 | 15°40 | 12°50 | 17°53 | 12°31 | 13°39 | 26°55 | 10°15 | T 7 |
| F 8 | 17 25 14 | 21°27'17 | 6♉16 | 6°13 | 16°10 | 17° 7 | 14°21 | 16°16 | 15°39 | 12°49 | 17°52 | 12°24 | 13°36 | 27° 2 | 10°17 | F 8 |
| S 9 | 17 29 10 | 22°24'28 | 18°15 | 5°58 | 17°21 | 17°45 | 14°34 | 16°17 | 15°38 | 12°47 | 17°52 | 12°16 | 13°33 | 27° 9 | 10°18 | S 9 |
| S 10 | 17 33 7 | 23°21'39 | 0♊22 | 5°38 | 18°31 | 18°23 | 14°47 | 16°19 | 15°37 | 12°46 | 17°52 | 12° 7 | 13°30 | 27°15 | 10°20 | S 10 |
| M11 | 17 37 3 | 24°18'50 | 12°38 | 5°15 | 19°42 | 19° 0 | 15° 0 | 16°20 | 15°36 | 12°44 | 17°51 | 11°58 | 13°27 | 27°22 | 10°21 | M11 |
| T 12 | 17 41 0 | 25°16'01 | 25° 6 | 4°48 | 20°52 | 19°38 | 15°13 | 16°21 | 15°35 | 12°42 | 17°51 | 11°50 | 13°24 | 27°29 | 10°23 | T 12 |
| W13 | 17 44 56 | 26°13'12 | 7♋45 | 4°18 | 22° 3 | 20°16 | 15°26 | 16°22 | 15°33 | 12°41 | 17°50 | 11°44 | 13°20 | 27°35 | 10°24 | W13 |
| T 14 | 17 48 53 | 27°10'23 | 20°35 | 3°46 | 23°14 | 20°54 | 15°39 | 16°23 | 15°32 | 12°39 | 17°50 | 11°40 | 13°17 | 27°42 | 10°25 | T 14 |
| F 15 | 17 52 49 | 28° 7'34 | 3♌38 | 3°11 | 24°24 | 21°31 | 15°51 | 16°24 | 15°31 | 12°38 | 17°50 | 11°38 | 13°14 | 27°49 | 10°27 | F 15 |
| S 16 | 17 56 46 | 29° 4'45 | 16°52 | 2°35 | 25°35 | 22° 9 | 16° 4 | 16°25 | 15°29 | 12°36 | 17°50 | 11°D38 | 13°11 | 27°56 | 10°28 | S 16 |
| S 17 | 18 0 43 | 0♋ 1'56 | 0♍20 | 1°57 | 26°46 | 22°47 | 16°17 | 16°25 | 15°28 | 12°35 | 17°49 | 11°39 | 13° 8 | 28° 2 | 10°29 | S 17 |
| M18 | 18 4 39 | 0°59'06 | 14° 1 | 1°19 | 27°57 | 23°25 | 16°31 | 16°26 | 15°26 | 12°33 | 17°49 | 11°40 | 13° 4 | 28° 9 | 10°30 | M18 |
| T 19 | 18 8 36 | 1°56'17 | 27°55 | 0°42 | 29° 8 | 24° 3 | 16°44 | 16°26 | 15°25 | 12°32 | 17°49 | 11°R41 | 13° 1 | 28°16 | 10°31 | T 19 |
| W20 | 18 12 32 | 2°53'27 | 12♎ 2 | 0° 5 | 0♊19 | 24°40 | 16°57 | 16°27 | 15°23 | 12°30 | 17°49 | 11°41 | 12°58 | 28°23 | 10°32 | W20 |
| T 21 | 18 16 29 | 3°50'37 | 26°22 | 29♊30 | 1°30 | 25°18 | 17°10 | 16°27 | 15°22 | 12°29 | 17°49 | 11°39 | 12°55 | 28°29 | 10°33 | T 21 |
| F 22 | 18 20 25 | 4°47'47 | 10♏51 | 28°57 | 2°41 | 25°56 | 17°23 | 16°27 | 15°20 | 12°27 | 17°49 | 11°35 | 12°52 | 28°36 | 10°34 | F 22 |
| S 23 | 18 24 22 | 5°44'58 | 25°24 | 28°27 | 3°53 | 26°34 | 17°36 | 16°R27 | 15°18 | 12°26 | 17°D49 | 11°31 | 12°49 | 28°43 | 10°35 | S 23 |
| S 24 | 18 28 18 | 6°42'08 | 9♐57 | 28° 0 | 5° 4 | 27°11 | 17°49 | 16°27 | 15°17 | 12°24 | 17°49 | 11°26 | 12°45 | 28°49 | 10°36 | S 24 |
| M25 | 18 32 15 | 7°39'19 | 24°22 | 27°37 | 6°15 | 27°49 | 18° 2 | 16°27 | 15°15 | 12°23 | 17°49 | 11°21 | 12°42 | 28°56 | 10°36 | M25 |
| T 26 | 18 36 12 | 8°36'30 | 8♑34 | 27°18 | 7°27 | 28°27 | 18°16 | 16°26 | 15°13 | 12°21 | 17°49 | 11°17 | 12°39 | 29° 3 | 10°37 | T 26 |
| W27 | 18 40 8 | 9°33'42 | 22°27 | 27° 4 | 8°38 | 29° 5 | 18°29 | 16°26 | 15°12 | 12°20 | 17°49 | 11°14 | 12°36 | 29°10 | 10°38 | W27 |
| T 28 | 18 44 5 | 10°30'54 | 6♒ 0 | 26°55 | 9°49 | 29°43 | 18°42 | 16°26 | 15°10 | 12°19 | 17°49 | 11°D13 | 12°33 | 29°16 | 10°38 | T 28 |
| F 29 | 18 48 1 | 11°28'07 | 19°10 | 26°D51 | 11° 1 | 0♌20 | 18°55 | 16°25 | 15° 8 | 12°17 | 17°49 | 11°13 | 12°30 | 29°23 | 10°39 | F 29 |
| S 30 | 18 51 58 | 12♋25'20 | 1♓58 | 26♊53 | 12♊13 | 0♌58 | 19♋ 8 | 16♓24 | 15♒ 6 | 12♐16 | 17♎50 | 11♌14 | 12♌26 | 29♈30 | 10♈40 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22n42 | 17s23 | 0n 8 | 22n52 | 0s34 | 12n19 | 2s 2 | 24n10 | 1n13 | 23n18 | 0n22 | 7s27 | 2s 5 | 16s53 | 0s43 | 21s 4 | 1n26 | 8n44 | 17n 7 | 17n 7 | 16n43 | 5n37 | 6n30 | 2n43 |
| S 2 | 22 48 | 14 33 | 1s 1 | 22 37 | 0 49 | 12 43 | 2 1 | 24 6 | 1 13 | 23 17 | 0 22 | 7 26 | 2 5 | 16 53 | 0 43 | 21 4 | 1 26 | 8 44 | 17 6 | 17 7 | 16 44 | 5 39 | 6 31 | 2 43 |
| S 3 | 22 54 | 11 6 | 2 4 | 22 21 | 1 4 | 13 6 | 2 0 | 24 2 | 1 13 | 23 15 | 0 22 | 7 25 | 2 5 | 16 53 | 0 43 | 21 4 | 1 25 | 8 44 | 17 6 | 17 6 | 16 45 | 5 41 | 6 32 | 2 43 |
| M 4 | 22 59 | 7 17 | 3 1 | 22 5 | 1 20 | 13 28 | 1 59 | 23 58 | 1 13 | 23 14 | 0 22 | 7 25 | 2 5 | 16 53 | 0 43 | 21 3 | 1 25 | 8 44 | 17 5 | 17 6 | 16 46 | 5 43 | 6 32 | 2 43 |
| T 5 | 23 5 | 3 14 | 3 48 | 21 48 | 1 36 | 13 51 | 1 58 | 23 54 | 1 13 | 23 13 | 0 22 | 7 24 | 2 6 | 16 54 | 0 43 | 21 3 | 1 25 | 8 43 | 17 4 | 17 6 | 16 47 | 5 46 | 6 33 | 2 43 |
| W 6 | 23 9 | 0n54 | 4 26 | 21 32 | 1 52 | 14 13 | 1 56 | 23 49 | 1 13 | 23 12 | 0 22 | 7 24 | 2 6 | 16 54 | 0 43 | 21 3 | 1 25 | 8 43 | 17 4 | 17 7 | 16 48 | 5 48 | 6 34 | 2 43 |
| T 7 | 23 14 | 4 59 | 4 51 | 21 17 | 2 8 | 14 35 | 1 55 | 23 45 | 1 13 | 23 11 | 0 22 | 7 24 | 2 6 | 16 54 | 0 43 | 21 3 | 1 25 | 8 43 | 17 3 | 17 9 | 16 49 | 5 50 | 6 35 | 2 43 |
| F 8 | 23 17 | 8 53 | 5 5 | 21 1 | 2 24 | 14 57 | 1 54 | 23 40 | 1 13 | 23 9 | 0 22 | 7 23 | 2 6 | 16 55 | 0 43 | 21 3 | 1 25 | 8 42 | 17 3 | 17 10 | 16 50 | 5 52 | 6 35 | 2 43 |
| S 9 | 23 21 | 12 28 | 5 5 | 20 46 | 2 40 | 15 18 | 1 52 | 23 35 | 1 12 | 23 8 | 0 22 | 7 23 | 2 7 | 16 55 | 0 43 | 21 2 | 1 25 | 8 42 | 17 2 | 17 13 | 16 51 | 5 54 | 6 36 | 2 43 |
| S 10 | 23 24 | 15 35 | 4 51 | 20 31 | 2 56 | 15 39 | 1 51 | 23 30 | 1 12 | 23 7 | 0 22 | 7 23 | 2 7 | 16 55 | 0 43 | 21 2 | 1 25 | 8 42 | 17 2 | 17 15 | 16 52 | 5 56 | 6 37 | 2 43 |
| M11 | 23 27 | 18 4 | 4 24 | 20 17 | 3 11 | 16 0 | 1 49 | 23 24 | 1 12 | 23 5 | 0 22 | 7 22 | 2 7 | 16 56 | 0 43 | 21 2 | 1 25 | 8 41 | 17 1 | 17 18 | 16 53 | 5 59 | 6 37 | 2 43 |
| T 12 | 23 29 | 19 45 | 3 44 | 20 4 | 3 25 | 16 20 | 1 48 | 23 19 | 1 12 | 23 4 | 0 22 | 7 22 | 2 8 | 16 56 | 0 43 | 21 2 | 1 25 | 8 41 | 17 1 | 17 20 | 16 53 | 6 1 | 6 38 | 2 44 |
| W13 | 23 31 | 20 28 | 2 53 | 19 51 | 3 39 | 16 40 | 1 46 | 23 13 | 1 12 | 23 2 | 0 22 | 7 22 | 2 8 | 16 57 | 0 43 | 21 2 | 1 25 | 8 41 | 17 0 | 17 22 | 16 54 | 6 3 | 6 39 | 2 44 |
| T 14 | 23 32 | 20 9 | 1 51 | 19 40 | 3 51 | 17 0 | 1 44 | 23 8 | 1 12 | 23 1 | 0 22 | 7 22 | 2 8 | 16 57 | 0 43 | 21 2 | 1 25 | 8 40 | 17 0 | 17 23 | 16 55 | 6 5 | 6 39 | 2 44 |
| F 15 | 23 33 | 18 45 | 0 43 | 19 29 | 4 3 | 17 19 | 1 42 | 23 2 | 1 12 | 23 0 | 0 23 | 7 22 | 2 8 | 16 58 | 0 43 | 21 1 | 1 25 | 8 40 | 16 59 | 17 23 | 16 56 | 6 7 | 6 40 | 2 44 |
| S 16 | 23 34 | 16 19 | 0n28 | 19 19 | 4 13 | 17 38 | 1 40 | 22 55 | 1 12 | 22 58 | 0 23 | 7 22 | 2 9 | 16 58 | 0 43 | 21 1 | 1 25 | 8 39 | 16 58 | 17 23 | 16 57 | 6 9 | 6 40 | 2 44 |
| S 17 | 23 34 | 12 58 | 1 40 | 19 11 | 4 22 | 17 57 | 1 38 | 22 49 | 1 12 | 22 57 | 0 23 | 7 22 | 2 9 | 16 58 | 0 43 | 21 1 | 1 25 | 8 39 | 16 58 | 17 23 | 16 58 | 6 12 | 6 41 | 2 44 |
| M18 | 23 34 | 8 53 | 2 47 | 19 4 | 4 30 | 18 15 | 1 36 | 22 43 | 1 12 | 22 55 | 0 23 | 7 22 | 2 9 | 16 59 | 0 43 | 21 1 | 1 25 | 8 38 | 16 57 | 17 23 | 16 59 | 6 14 | 6 41 | 2 44 |
| T 19 | 23 33 | 4 16 | 3 45 | 18 58 | 4 36 | 18 32 | 1 34 | 22 36 | 1 12 | 22 53 | 0 23 | 7 22 | 2 9 | 16 59 | 0 43 | 21 1 | 1 25 | 8 38 | 16 57 | 17 22 | 17 0 | 6 16 | 6 42 | 2 44 |
| W20 | 23 32 | 0s38 | 4 30 | 18 53 | 4 41 | 18 49 | 1 32 | 22 29 | 1 12 | 22 52 | 0 23 | 7 22 | 2 10 | 17 0 | 0 43 | 21 0 | 1 25 | 8 38 | 16 56 | 17 23 | 17 1 | 6 18 | 6 42 | 2 44 |
| T 21 | 23 31 | 5 34 | 5 0 | 18 50 | 4 44 | 19 6 | 1 30 | 22 22 | 1 12 | 22 50 | 0 23 | 7 22 | 2 10 | 17 0 | 0 43 | 21 0 | 1 25 | 8 37 | 16 56 | 17 23 | 17 2 | 6 20 | 6 43 | 2 44 |
| F 22 | 23 29 | 10 14 | 5 11 | 18 49 | 4 45 | 19 22 | 1 28 | 22 15 | 1 12 | 22 49 | 0 23 | 7 22 | 2 10 | 17 1 | 0 43 | 21 0 | 1 25 | 8 36 | 16 55 | 17 24 | 17 3 | 6 22 | 6 43 | 2 44 |
| S 23 | 23 27 | 14 20 | 5 2 | 18 49 | 4 45 | 19 38 | 1 26 | 22 8 | 1 12 | 22 47 | 0 23 | 7 23 | 2 11 | 17 1 | 0 43 | 21 0 | 1 25 | 8 36 | 16 54 | 17 25 | 17 3 | 6 24 | 6 44 | 2 44 |
| S 24 | 23 24 | 17 33 | 4 33 | 18 50 | 4 43 | 19 54 | 1 23 | 22 0 | 1 12 | 22 45 | 0 23 | 7 23 | 2 11 | 17 2 | 0 43 | 21 0 | 1 25 | 8 35 | 16 54 | 17 27 | 17 4 | 6 27 | 6 44 | 2 45 |
| M25 | 23 21 | 19 39 | 3 48 | 18 53 | 4 40 | 20 8 | 1 21 | 21 53 | 1 12 | 22 44 | 0 23 | 7 23 | 2 11 | 17 2 | 0 43 | 21 0 | 1 25 | 8 35 | 16 53 | 17 28 | 17 5 | 6 29 | 6 45 | 2 45 |
| T 26 | 23 17 | 20 29 | 2 49 | 18 57 | 4 35 | 20 23 | 1 19 | 21 45 | 1 12 | 22 42 | 0 23 | 7 24 | 2 11 | 17 3 | 0 44 | 21 0 | 1 25 | 8 34 | 16 53 | 17 29 | 17 6 | 6 31 | 6 45 | 2 45 |
| W27 | 23 13 | 20 2 | 1 41 | 19 3 | 4 29 | 20 36 | 1 16 | 21 37 | 1 12 | 22 40 | 0 23 | 7 24 | 2 12 | 17 4 | 0 44 | 20 59 | 1 25 | 8 34 | 16 52 | 17 30 | 17 7 | 6 33 | 6 45 | 2 45 |
| T 28 | 23 9 | 18 25 | 0 29 | 19 11 | 4 21 | 20 50 | 1 14 | 21 29 | 1 12 | 22 39 | 0 24 | 7 24 | 2 12 | 17 4 | 0 44 | 20 59 | 1 25 | 8 33 | 16 51 | 17 30 | 17 8 | 6 35 | 6 46 | 2 45 |
| F 29 | 23 4 | 15 51 | 0s43 | 19 19 | 4 13 | 21 2 | 1 11 | 21 21 | 1 12 | 22 37 | 0 24 | 7 25 | 2 12 | 17 5 | 0 44 | 20 59 | 1 25 | 8 32 | 16 51 | 17 30 | 17 9 | 6 37 | 6 46 | 2 45 |
| S 30 | 22n59 | 12s34 | 1s51 | 19n29 | 4s 3 | 21n15 | 1s 9 | 21n13 | 1n11 | 22n35 | 0n24 | 7s25 | 2s12 | 17s 5 | 0s44 | 20s59 | 1n25 | 8n32 | 16n50 | 17n30 | 17n10 | 6n40 | 6n46 | 2n45 |

Julian Day Number = 2084267.5, Delta T = 24m51s
Ecliptic obliquity = 23°34'03, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'30, Lahiri = 9°50'30 Julian Calendar 1 June 994 == Greg. Calendar 6 June 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## JULY 994 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 55 54 | 13♋22'34 | 14♓27 | 27♊ 0 | 13♊24 | 1♌36 | 19♋22 | 16°R24 | 15°R 4 | 12°R15 | 17♎50 | 11♌16 | 12♌23 | 29♈36 | 10♈40 | S 1 |
| M 2 | 18 59 51 | 14°19'49 | 26°40 | 27°13 | 14°36 | 2°14 | 19°35 | 16♓23 | 15♒ 2 | 12♐13 | 17°50 | 11°17 | 12°20 | 29°43 | 10°40 | M 2 |
| T 3 | 19 3 48 | 15°17'05 | 8♈42 | 27°32 | 15°48 | 2°52 | 19°48 | 16°22 | 15° 0 | 12°12 | 17°50 | 11°18 | 12°17 | 29°50 | 10°41 | T 3 |
| W 4 | 19 7 44 | 16°14'22 | 20°37 | 27°56 | 17° 0 | 3°30 | 20° 1 | 16°21 | 14°58 | 12°11 | 17°51 | 11°R19 | 12°14 | 29°57 | 10°41 | W 4 |
| T 5 | 19 11 41 | 17°11'40 | 2♉30 | 28°27 | 18°11 | 4° 8 | 20°15 | 16°20 | 14°56 | 12° 9 | 17°51 | 11°18 | 12°10 | 0♉ 3 | 10°41 | T 5 |
| F 6 | 19 15 37 | 18° 8'58 | 14°25 | 29° 3 | 19°23 | 4°45 | 20°28 | 16°18 | 14°54 | 12° 8 | 17°52 | 11°16 | 12° 7 | 0°10 | 10°42 | F 6 |
| S 7 | 19 19 34 | 19° 6'18 | 26°27 | 29°45 | 20°35 | 5°23 | 20°41 | 16°17 | 14°52 | 12° 7 | 17°52 | 11°13 | 12° 4 | 0°17 | 10°42 | S 7 |
| S 8 | 19 23 30 | 20° 3'39 | 8♊39 | 0♋33 | 21°47 | 6° 1 | 20°55 | 16°15 | 14°50 | 12° 6 | 17°53 | 11°10 | 12° 1 | 0°23 | 10°42 | S 8 |
| M 9 | 19 27 27 | 21° 1'01 | 21° 4 | 1°27 | 22°59 | 6°39 | 21° 8 | 16°14 | 14°48 | 12° 5 | 17°53 | 11° 6 | 11°58 | 0°30 | 10°R42 | M 9 |
| T 10 | 19 31 23 | 21°58'24 | 3♋44 | 2°26 | 24°12 | 7°17 | 21°21 | 16°12 | 14°46 | 12° 3 | 17°54 | 11° 4 | 11°55 | 0°37 | 10°42 | T 10 |
| W11 | 19 35 20 | 22°55'47 | 16°39 | 3°31 | 25°24 | 7°55 | 21°34 | 16°10 | 14°44 | 12° 2 | 17°54 | 11° 2 | 11°51 | 0°44 | 10°42 | W11 |
| T 12 | 19 39 17 | 23°53'12 | 29°50 | 4°42 | 26°36 | 8°33 | 21°48 | 16° 9 | 14°41 | 12° 1 | 17°55 | 11° 0 | 11°48 | 0°50 | 10°42 | T 12 |
| F 13 | 19 43 13 | 24°50'38 | 13♌16 | 5°57 | 27°48 | 9°11 | 22° 1 | 16° 7 | 14°39 | 12° 0 | 17°56 | 11°D 0 | 11°45 | 0°57 | 10°41 | F 13 |
| S 14 | 19 47 10 | 25°48'04 | 26°55 | 7°18 | 29° 1 | 9°49 | 22°14 | 16° 5 | 14°37 | 11°59 | 17°56 | 11° 1 | 11°42 | 1° 4 | 10°41 | S 14 |
| S 15 | 19 51 6 | 26°45'32 | 10♍45 | 8°43 | 0♋13 | 10°27 | 22°28 | 16° 2 | 14°35 | 11°58 | 17°57 | 11° 2 | 11°39 | 1°11 | 10°41 | S 15 |
| M16 | 19 55 3 | 27°43'00 | 24°45 | 10°14 | 1°25 | 11° 5 | 22°41 | 16° 0 | 14°33 | 11°57 | 17°58 | 11° 3 | 11°35 | 1°17 | 10°41 | M16 |
| T 17 | 19 58 59 | 28°40'29 | 8♎52 | 11°48 | 2°38 | 11°43 | 22°54 | 15°58 | 14°30 | 11°56 | 17°58 | 11° 4 | 11°32 | 1°24 | 10°40 | T 17 |
| W18 | 20 2 56 | 29°37'58 | 23° 3 | 13°27 | 3°50 | 12°21 | 23° 7 | 15°56 | 14°28 | 11°55 | 17°59 | 11°R 4 | 11°29 | 1°31 | 10°40 | W18 |
| T 19 | 20 6 52 | 0♌35'29 | 7♏18 | 15°10 | 5° 3 | 12°59 | 23°20 | 15°53 | 14°26 | 11°54 | 18° 0 | 11° 4 | 11°26 | 1°37 | 10°39 | T 19 |
| F 20 | 20 10 49 | 1°33'00 | 21°32 | 16°56 | 6°16 | 13°37 | 23°34 | 15°50 | 14°23 | 11°53 | 18° 1 | 11° 4 | 11°23 | 1°44 | 10°39 | F 20 |
| S 21 | 20 14 46 | 2°30'32 | 5♐44 | 18°46 | 7°28 | 14°15 | 23°47 | 15°48 | 14°21 | 11°52 | 18° 2 | 11° 3 | 11°20 | 1°51 | 10°38 | S 21 |
| S 22 | 20 18 42 | 3°28'05 | 19°49 | 20°38 | 8°41 | 14°53 | 24° 0 | 15°45 | 14°19 | 11°51 | 18° 3 | 11° 2 | 11°16 | 1°58 | 10°37 | S 22 |
| M23 | 20 22 39 | 4°25'40 | 3♑46 | 22°33 | 9°54 | 15°31 | 24°13 | 15°42 | 14°16 | 11°51 | 18° 4 | 11° 1 | 11°13 | 2° 4 | 10°37 | M23 |
| T 24 | 20 26 35 | 5°23'15 | 17°32 | 24°29 | 11° 6 | 16° 9 | 24°26 | 15°39 | 14°14 | 11°50 | 18° 5 | 11° 1 | 11°10 | 2°11 | 10°36 | T 24 |
| W25 | 20 30 32 | 6°20'52 | 1♒ 3 | 26°28 | 12°19 | 16°47 | 24°40 | 15°36 | 14°12 | 11°49 | 18° 6 | 11° 0 | 11° 7 | 2°18 | 10°35 | W25 |
| T 26 | 20 34 28 | 7°18'29 | 14°18 | 28°27 | 13°32 | 17°25 | 24°53 | 15°33 | 14° 9 | 11°48 | 18° 7 | 11°D 0 | 11° 4 | 2°25 | 10°34 | T 26 |
| F 27 | 20 38 25 | 8°16'08 | 27°16 | 0♌28 | 14°45 | 18° 3 | 25° 6 | 15°30 | 14° 7 | 11°48 | 18° 8 | 11° 0 | 11° 1 | 2°31 | 10°33 | F 27 |
| S 28 | 20 42 21 | 9°13'49 | 9♓57 | 2°29 | 15°58 | 18°41 | 25°19 | 15°27 | 14° 5 | 11°47 | 18° 9 | 11° 0 | 10°57 | 2°38 | 10°33 | S 28 |
| S 29 | 20 46 18 | 10°11'31 | 22°22 | 4°31 | 17°11 | 19°20 | 25°32 | 15°24 | 14° 2 | 11°46 | 18°11 | 11° 1 | 10°54 | 2°45 | 10°32 | S 29 |
| M30 | 20 50 15 | 11° 9'15 | 4♈35 | 6°32 | 18°24 | 19°58 | 25°45 | 15°20 | 14° 0 | 11°46 | 18°12 | 11°R 1 | 10°51 | 2°51 | 10°30 | M30 |
| T 31 | 20 54 11 | 12♌ 7'00 | 16♈36 | 8♌34 | 19♋37 | 20♌36 | 25♋58 | 15♓17 | 13♒57 | 11♐45 | 18♎13 | 11♌ 1 | 10♌48 | 2♉58 | 10♈29 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n53 | 8s48 | 2s52 | 19n40 | 3s52 | 21n26 | 1s 6 | 21n 4 | 1n11 | 22n33 | 0n24 | 7s26 | 2s13 | 17s 6 | 0s44 | 20s59 | 1n25 | 8n31 | 16n50 | 17n29 | 17n11 | 6n42 | 6n46 | 2n45 |
| M 2 | 22 48 | 4 45 | 3 44 | 19 52 | 3 41 | 21 37 | 1 4 | 20 55 | 1 11 | 22 31 | 0 24 | 7 27 | 2 13 | 17 6 | 0 44 | 20 59 | 1 25 | 8 31 | 16 49 | 17 29 | 17 12 | 6 44 | 6 47 | 2 45 |
| T 3 | 22 41 | 0 35 | 4 25 | 20 4 | 3 28 | 21 48 | 1 1 | 20 47 | 1 11 | 22 30 | 0 24 | 7 27 | 2 13 | 17 7 | 0 44 | 20 59 | 1 25 | 8 30 | 16 48 | 17 29 | 17 12 | 6 46 | 6 47 | 2 45 |
| W 4 | 22 34 | 3n33 | 4 54 | 20 18 | 3 15 | 21 58 | 0 58 | 20 38 | 1 11 | 22 28 | 0 24 | 7 28 | 2 13 | 17 8 | 0 44 | 20 58 | 1 25 | 8 29 | 16 48 | 17 29 | 17 13 | 6 48 | 6 47 | 2 45 |
| T 5 | 22 27 | 7 33 | 5 10 | 20 32 | 3 2 | 22 7 | 0 56 | 20 29 | 1 11 | 22 26 | 0 24 | 7 29 | 2 14 | 17 8 | 0 44 | 20 58 | 1 25 | 8 29 | 16 47 | 17 29 | 17 14 | 6 50 | 6 47 | 2 46 |
| F 6 | 22 20 | 11 15 | 5 14 | 20 46 | 2 48 | 22 16 | 0 53 | 20 19 | 1 11 | 22 24 | 0 24 | 7 29 | 2 14 | 17 9 | 0 44 | 20 58 | 1 25 | 8 28 | 16 47 | 17 29 | 17 15 | 6 53 | 6 47 | 2 46 |
| S 7 | 22 12 | 14 33 | 5 3 | 21 1 | 2 33 | 22 24 | 0 50 | 20 10 | 1 11 | 22 22 | 0 24 | 7 30 | 2 14 | 17 10 | 0 44 | 20 58 | 1 25 | 8 27 | 16 46 | 17 30 | 17 16 | 6 55 | 6 48 | 2 46 |
| S 8 | 22 4 | 17 16 | 4 39 | 21 15 | 2 19 | 22 31 | 0 48 | 20 1 | 1 11 | 22 20 | 0 24 | 7 31 | 2 14 | 17 10 | 0 44 | 20 58 | 1 25 | 8 26 | 16 46 | 17 31 | 17 17 | 6 57 | 6 48 | 2 46 |
| M 9 | 21 55 | 19 15 | 4 1 | 21 30 | 2 4 | 22 38 | 0 45 | 19 51 | 1 11 | 22 18 | 0 24 | 7 32 | 2 15 | 17 11 | 0 44 | 20 58 | 1 25 | 8 26 | 16 45 | 17 32 | 17 18 | 6 59 | 6 48 | 2 46 |
| T 10 | 21 46 | 20 20 | 3 11 | 21 44 | 1 49 | 22 44 | 0 42 | 19 41 | 1 10 | 22 16 | 0 25 | 7 33 | 2 15 | 17 11 | 0 44 | 20 58 | 1 25 | 8 25 | 16 44 | 17 33 | 17 19 | 7 1 | 6 48 | 2 46 |
| W11 | 21 36 | 20 22 | 2 10 | 21 57 | 1 34 | 22 50 | 0 39 | 19 31 | 1 10 | 22 14 | 0 25 | 7 33 | 2 15 | 17 12 | 0 44 | 20 58 | 1 24 | 8 24 | 16 44 | 17 33 | 17 20 | 7 3 | 6 48 | 2 46 |
| T 12 | 21 27 | 19 18 | 1 1 | 22 10 | 1 19 | 22 55 | 0 37 | 19 21 | 1 10 | 22 12 | 0 25 | 7 34 | 2 16 | 17 13 | 0 44 | 20 57 | 1 24 | 8 23 | 16 43 | 17 34 | 17 20 | 7 6 | 6 48 | 2 46 |
| F 13 | 21 16 | 17 8 | 0n12 | 22 22 | 1 4 | 22 59 | 0 34 | 19 11 | 1 10 | 22 10 | 0 25 | 7 35 | 2 16 | 17 13 | 0 44 | 20 57 | 1 24 | 8 23 | 16 43 | 17 34 | 17 21 | 7 8 | 6 48 | 2 46 |
| S 14 | 21 6 | 13 58 | 1 27 | 22 32 | 0 50 | 23 3 | 0 31 | 19 1 | 1 10 | 22 8 | 0 25 | 7 36 | 2 16 | 17 14 | 0 44 | 20 57 | 1 24 | 8 22 | 16 42 | 17 34 | 17 22 | 7 10 | 6 48 | 2 46 |
| S 15 | 20 55 | 10 0 | 2 37 | 22 41 | 0 36 | 23 6 | 0 28 | 18 50 | 1 10 | 22 6 | 0 25 | 7 38 | 2 16 | 17 15 | 0 44 | 20 57 | 1 24 | 8 21 | 16 41 | 17 33 | 17 23 | 7 12 | 6 48 | 2 46 |
| M16 | 20 44 | 5 27 | 3 39 | 22 48 | 0 22 | 23 8 | 0 25 | 18 40 | 1 10 | 22 4 | 0 25 | 7 39 | 2 16 | 17 15 | 0 44 | 20 57 | 1 24 | 8 20 | 16 41 | 17 33 | 17 24 | 7 14 | 6 48 | 2 47 |
| T 17 | 20 32 | 0 34 | 4 28 | 22 54 | 0 9 | 23 10 | 0 23 | 18 29 | 1 10 | 22 2 | 0 25 | 7 40 | 2 17 | 17 16 | 0 44 | 20 57 | 1 24 | 8 19 | 16 40 | 17 33 | 17 25 | 7 16 | 6 48 | 2 47 |
| W18 | 20 20 | 4s21 | 5 1 | 22 57 | 0n 4 | 23 11 | 0 20 | 18 18 | 1 10 | 21 59 | 0 25 | 7 41 | 2 17 | 17 17 | 0 44 | 20 57 | 1 24 | 8 19 | 16 40 | 17 33 | 17 26 | 7 18 | 6 48 | 2 47 |
| T 19 | 20 8 | 9 3 | 5 16 | 22 58 | 0 17 | 23 11 | 0 17 | 18 7 | 1 9 | 21 57 | 0 25 | 7 42 | 2 17 | 17 17 | 0 44 | 20 57 | 1 24 | 8 18 | 16 39 | 17 33 | 17 27 | 7 21 | 6 48 | 2 47 |
| F 20 | 19 55 | 13 14 | 5 11 | 22 57 | 0 28 | 23 11 | 0 14 | 17 56 | 1 9 | 21 55 | 0 26 | 7 43 | 2 17 | 17 18 | 0 44 | 20 57 | 1 24 | 8 17 | 16 39 | 17 33 | 17 28 | 7 23 | 6 47 | 2 47 |
| S 21 | 19 42 | 16 39 | 4 48 | 22 53 | 0 39 | 23 10 | 0 11 | 17 45 | 1 9 | 21 53 | 0 26 | 7 45 | 2 18 | 17 19 | 0 44 | 20 57 | 1 24 | 8 16 | 16 38 | 17 33 | 17 28 | 7 25 | 6 47 | 2 47 |
| S 22 | 19 29 | 19 4 | 4 7 | 22 47 | 0 49 | 23 8 | 0 9 | 17 33 | 1 9 | 21 51 | 0 26 | 7 46 | 2 18 | 17 20 | 0 44 | 20 57 | 1 24 | 8 15 | 16 37 | 17 33 | 17 29 | 7 27 | 6 47 | 2 47 |
| M23 | 19 15 | 20 19 | 3 12 | 22 38 | 0 59 | 23 6 | 0 6 | 17 22 | 1 9 | 21 49 | 0 26 | 7 47 | 2 18 | 17 20 | 0 44 | 20 57 | 1 24 | 8 14 | 16 37 | 17 33 | 17 30 | 7 29 | 6 47 | 2 47 |
| T 24 | 19 1 | 20 19 | 2 6 | 22 26 | 1 7 | 23 3 | 0 3 | 17 10 | 1 9 | 21 46 | 0 26 | 7 48 | 2 18 | 17 21 | 0 44 | 20 56 | 1 24 | 8 13 | 16 36 | 17 34 | 17 31 | 7 31 | 6 47 | 2 47 |
| W25 | 18 47 | 19 8 | 0 55 | 22 12 | 1 15 | 22 59 | 0 0 | 16 59 | 1 9 | 21 44 | 0 26 | 7 50 | 2 19 | 17 22 | 0 44 | 20 56 | 1 24 | 8 12 | 16 36 | 17 34 | 17 32 | 7 34 | 6 46 | 2 47 |
| T 26 | 18 33 | 16 55 | 0s18 | 21 55 | 1 22 | 22 55 | 0n 2 | 16 47 | 1 8 | 21 42 | 0 26 | 7 51 | 2 19 | 17 22 | 0 44 | 20 56 | 1 24 | 8 12 | 16 35 | 17 34 | 17 33 | 7 36 | 6 46 | 2 47 |
| F 27 | 18 18 | 13 53 | 1 29 | 21 35 | 1 27 | 22 50 | 0 5 | 16 35 | 1 8 | 21 40 | 0 26 | 7 53 | 2 19 | 17 23 | 0 44 | 20 56 | 1 24 | 8 11 | 16 35 | 17 34 | 17 34 | 7 38 | 6 46 | 2 47 |
| S 28 | 18 3 | 10 15 | 2 34 | 21 13 | 1 33 | 22 44 | 0 8 | 16 23 | 1 8 | 21 37 | 0 26 | 7 54 | 2 19 | 17 24 | 0 44 | 20 56 | 1 24 | 8 10 | 16 34 | 17 34 | 17 35 | 7 40 | 6 46 | 2 48 |
| S 29 | 17 47 | 6 15 | 3 30 | 20 48 | 1 37 | 22 38 | 0 10 | 16 11 | 1 8 | 21 35 | 0 26 | 7 56 | 2 19 | 17 24 | 0 44 | 20 56 | 1 24 | 8 9 | 16 34 | 17 34 | 17 35 | 7 42 | 6 45 | 2 48 |
| M30 | 17 31 | 2 4 | 4 15 | 20 21 | 1 40 | 22 31 | 0 13 | 15 59 | 1 8 | 21 33 | 0 27 | 7 57 | 2 20 | 17 25 | 0 44 | 20 56 | 1 24 | 8 8 | 16 33 | 17 34 | 17 36 | 7 44 | 6 45 | 2 48 |
| T 31 | 17n15 | 2n 7 | 4s49 | 19n52 | 1n43 | 22n23 | 0n16 | 15n46 | 1n 8 | 21n30 | 0n27 | 7s59 | 2s20 | 17s26 | 0s44 | 20s56 | 1n24 | 8n 7 | 16n33 | 17n34 | 17n37 | 7n46 | 6n45 | 2n48 |

Julian Day Number = 2084297.5, Delta T = 24m50s
Ecliptic obliquity = 23°34'04, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'34, Lahiri = 9°50'34 Julian Calendar 1 July 994 == Greg. Calendar 6 July 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## AUGUST 994 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 20 58 8 | 13♌ 4'47 | 28♈32 | 10♌34 | 20♋51 | 21♌14 | 26♋11 | 15°R13 | 13°R55 | 11°R44 | 18♎14 | 11°R 0 | 10♌45 | 3♉ 5 | 10°R28 | W 1 |
| T 2 | 21 2 4 | 14° 2'35 | 10♉25 | 12°35 | 22° 4 | 21°52 | 26°24 | 15♓10 | 13♒53 | 11♐44 | 18°16 | 11°D 0 | 10°41 | 3°12 | 10♈27 | T 2 |
| F 3 | 21 6 1 | 15° 0'26 | 22°20 | 14°34 | 23°17 | 22°30 | 26°37 | 15° 6 | 13°50 | 11°43 | 18°17 | 11♌ 0 | 10°38 | 3°18 | 10°26 | F 3 |
| S 4 | 21 9 57 | 15°58'18 | 4♊23 | 16°33 | 24°30 | 23° 9 | 26°50 | 15° 2 | 13°48 | 11°43 | 18°18 | 11° 1 | 10°35 | 3°25 | 10°25 | S 4 |
| S 5 | 21 13 54 | 16°56'12 | 16°36 | 18°31 | 25°44 | 23°47 | 27° 2 | 14°59 | 13°45 | 11°42 | 18°20 | 11° 1 | 10°32 | 3°32 | 10°23 | S 5 |
| M 6 | 21 17 50 | 17°54'08 | 29° 5 | 20°27 | 26°57 | 24°25 | 27°15 | 14°55 | 13°43 | 11°42 | 18°21 | 11° 2 | 10°29 | 3°38 | 10°22 | M 6 |
| T 7 | 21 21 47 | 18°52'06 | 11♋52 | 22°22 | 28°11 | 25° 3 | 27°28 | 14°51 | 13°41 | 11°42 | 18°23 | 11° 2 | 10°26 | 3°45 | 10°20 | T 7 |
| W 8 | 21 25 44 | 19°50'05 | 24°59 | 24°17 | 29°24 | 25°42 | 27°41 | 14°47 | 13°38 | 11°41 | 18°24 | 11° 3 | 10°22 | 3°52 | 10°19 | W 8 |
| T 9 | 21 29 40 | 20°48'07 | 8♌27 | 26°10 | 0♌38 | 26°20 | 27°54 | 14°43 | 13°36 | 11°41 | 18°26 | 11°R 3 | 10°19 | 3°59 | 10°17 | T 9 |
| F 10 | 21 33 37 | 21°46'10 | 22°15 | 28° 2 | 1°52 | 26°58 | 28° 6 | 14°39 | 13°33 | 11°41 | 18°27 | 11° 3 | 10°16 | 4° 5 | 10°16 | F 10 |
| S 11 | 21 37 33 | 22°44'14 | 6♍20 | 29°52 | 3° 5 | 27°37 | 28°19 | 14°35 | 13°31 | 11°40 | 18°29 | 11° 3 | 10°13 | 4°12 | 10°14 | S 11 |
| S 12 | 21 41 30 | 23°42'21 | 20°39 | 1♍42 | 4°19 | 28°15 | 28°32 | 14°30 | 13°29 | 11°40 | 18°30 | 11° 1 | 10°10 | 4°19 | 10°13 | S 12 |
| M13 | 21 45 26 | 24°40'28 | 5♎ 5 | 3°30 | 5°33 | 28°54 | 28°44 | 14°26 | 13°26 | 11°40 | 18°32 | 11° 0 | 10° 7 | 4°26 | 10°11 | M13 |
| T 14 | 21 49 23 | 25°38'38 | 19°34 | 5°17 | 6°46 | 29°32 | 28°57 | 14°22 | 13°24 | 11°40 | 18°33 | 10°58 | 10° 3 | 4°32 | 10° 9 | T 14 |
| W15 | 21 53 19 | 26°36'49 | 4♏ 1 | 7° 2 | 8° 0 | 0♍10 | 29° 9 | 14°18 | 13°22 | 11°39 | 18°35 | 10°56 | 10° 0 | 4°39 | 10° 7 | W15 |
| T 16 | 21 57 16 | 27°35'01 | 18°21 | 8°47 | 9°14 | 0°49 | 29°22 | 14°13 | 13°19 | 11°39 | 18°37 | 10°56 | 9°57 | 4°46 | 10° 6 | T 16 |
| F 17 | 22 1 12 | 28°33'15 | 2♐31 | 10°30 | 10°28 | 1°27 | 29°34 | 14° 9 | 13°17 | 11°39 | 18°39 | 10°D55 | 9°54 | 4°52 | 10° 4 | F 17 |
| S 18 | 22 5 9 | 29°31'30 | 16°29 | 12°12 | 11°42 | 2° 6 | 29°46 | 14° 5 | 13°15 | 11°39 | 18°40 | 10°56 | 9°51 | 4°59 | 10° 2 | S 18 |
| S 19 | 22 9 6 | 0♍29'47 | 0♑14 | 13°53 | 12°56 | 2°44 | 29°59 | 14° 0 | 13°13 | 11°D39 | 18°42 | 10°57 | 9°47 | 5° 6 | 10° 0 | S 19 |
| M20 | 22 13 2 | 1°28'06 | 13°47 | 15°32 | 14°10 | 3°23 | 0♌11 | 13°56 | 13°10 | 11°39 | 18°44 | 10°59 | 9°44 | 5°13 | 9°58 | M20 |
| T 21 | 22 16 59 | 2°26'26 | 27° 6 | 17°11 | 15°24 | 4° 1 | 0°23 | 13°51 | 13° 8 | 11°39 | 18°46 | 11° 0 | 9°41 | 5°19 | 9°56 | T 21 |
| W22 | 22 20 55 | 3°24'48 | 10♒12 | 18°48 | 16°38 | 4°40 | 0°35 | 13°47 | 13° 6 | 11°39 | 18°47 | 11°R 0 | 9°38 | 5°26 | 9°54 | W22 |
| T 23 | 22 24 52 | 4°23'11 | 23° 6 | 20°25 | 17°52 | 5°18 | 0°47 | 13°42 | 13° 4 | 11°40 | 18°49 | 11° 0 | 9°35 | 5°33 | 9°52 | T 23 |
| F 24 | 22 28 48 | 5°21'37 | 5♓47 | 22° 0 | 19° 6 | 5°57 | 0°59 | 13°37 | 13° 2 | 11°40 | 18°51 | 10°58 | 9°32 | 5°39 | 9°50 | F 24 |
| S 25 | 22 32 45 | 6°20'04 | 18°16 | 23°34 | 20°21 | 6°35 | 1°11 | 13°33 | 12°59 | 11°40 | 18°53 | 10°55 | 9°28 | 5°46 | 9°47 | S 25 |
| S 26 | 22 36 41 | 7°18'33 | 0♈33 | 25° 7 | 21°35 | 7°14 | 1°23 | 13°28 | 12°57 | 11°40 | 18°55 | 10°51 | 9°25 | 5°53 | 9°45 | S 26 |
| M27 | 22 40 38 | 8°17'05 | 12°41 | 26°39 | 22°49 | 7°53 | 1°35 | 13°24 | 12°55 | 11°40 | 18°57 | 10°47 | 9°22 | 6° 0 | 9°43 | M27 |
| T 28 | 22 44 35 | 9°15'38 | 24°40 | 28°10 | 24° 3 | 8°31 | 1°47 | 13°19 | 12°53 | 11°41 | 18°59 | 10°42 | 9°19 | 6° 6 | 9°41 | T 28 |
| W29 | 22 48 31 | 10°14'14 | 6♉34 | 29°40 | 25°18 | 9°10 | 1°58 | 13°14 | 12°51 | 11°41 | 19° 1 | 10°37 | 9°16 | 6°13 | 9°38 | W29 |
| T 30 | 22 52 28 | 11°12'52 | 18°26 | 1♎ 8 | 26°32 | 9°49 | 2°10 | 13°10 | 12°49 | 11°41 | 19° 3 | 10°34 | 9°12 | 6°20 | 9°36 | T 30 |
| F 31 | 22 56 24 | 12♍11'32 | 0♊20 | 2♎36 | 27♌47 | 10♍27 | 2♌22 | 13♓ 5 | 12♒47 | 11♐42 | 19♎ 5 | 10♌32 | 9♌ 9 | 6♉27 | 9♈34 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n59 | 6n11 | 5s 9 | 19n22 | 1n45 | 22n14 | 0n18 | 15n34 | 1n 8 | 21n28 | 0n27 | 8s 0 | 2s20 | 17s27 | 0s44 | 20s56 | 1n24 | 8n 6 | 16n32 | 17n34 | 17n38 | 7n49 | 6n44 | 2n48 |
| T 2 | 16 42 | 10 0 | 5 17 | 18 49 | 1 46 | 22 5 | 0 21 | 15 21 | 1 7 | 21 26 | 0 27 | 8 2 | 2 20 | 17 27 | 0 44 | 20 56 | 1 23 | 8 5 | 16 32 | 17 34 | 17 39 | 7 51 | 6 44 | 2 48 |
| F 3 | 16 25 | 13 27 | 5 11 | 18 15 | 1 46 | 21 56 | 0 23 | 15 9 | 1 7 | 21 23 | 0 27 | 8 3 | 2 20 | 17 28 | 0 44 | 20 56 | 1 23 | 8 4 | 16 31 | 17 34 | 17 40 | 7 53 | 6 43 | 2 48 |
| S 4 | 16 8 | 16 22 | 4 51 | 17 39 | 1 46 | 21 45 | 0 26 | 14 56 | 1 7 | 21 21 | 0 27 | 8 5 | 2 21 | 17 29 | 0 44 | 20 56 | 1 23 | 8 3 | 16 31 | 17 34 | 17 41 | 7 55 | 6 43 | 2 48 |
| S 5 | 15 51 | 18 37 | 4 18 | 17 2 | 1 45 | 21 34 | 0 28 | 14 43 | 1 7 | 21 18 | 0 27 | 8 7 | 2 21 | 17 29 | 0 44 | 20 56 | 1 23 | 8 2 | 16 30 | 17 33 | 17 41 | 7 57 | 6 42 | 2 48 |
| M 6 | 15 33 | 20 2 | 3 32 | 16 23 | 1 44 | 21 23 | 0 31 | 14 30 | 1 7 | 21 16 | 0 27 | 8 8 | 2 21 | 17 30 | 0 44 | 20 56 | 1 23 | 8 1 | 16 29 | 17 33 | 17 42 | 7 59 | 6 42 | 2 48 |
| T 7 | 15 15 | 20 28 | 2 35 | 15 44 | 1 42 | 21 11 | 0 33 | 14 17 | 1 6 | 21 14 | 0 27 | 8 10 | 2 21 | 17 31 | 0 44 | 20 56 | 1 23 | 8 0 | 16 29 | 17 33 | 17 43 | 8 2 | 6 41 | 2 48 |
| W 8 | 14 57 | 19 49 | 1 28 | 15 4 | 1 40 | 20 58 | 0 35 | 14 4 | 1 6 | 21 11 | 0 28 | 8 12 | 2 21 | 17 31 | 0 44 | 20 56 | 1 23 | 7 59 | 16 29 | 17 33 | 17 44 | 8 4 | 6 41 | 2 48 |
| T 9 | 14 38 | 18 1 | 0 14 | 14 23 | 1 37 | 20 44 | 0 38 | 13 50 | 1 6 | 21 9 | 0 28 | 8 13 | 2 21 | 17 32 | 0 44 | 20 56 | 1 23 | 7 58 | 16 28 | 17 33 | 17 45 | 8 6 | 6 40 | 2 48 |
| F 10 | 14 20 | 15 8 | 1n 2 | 13 41 | 1 33 | 20 30 | 0 40 | 13 37 | 1 6 | 21 6 | 0 28 | 8 15 | 2 22 | 17 33 | 0 44 | 20 56 | 1 23 | 7 57 | 16 28 | 17 33 | 17 46 | 8 8 | 6 40 | 2 48 |
| S 11 | 14 1 | 11 20 | 2 15 | 12 58 | 1 29 | 20 15 | 0 42 | 13 24 | 1 6 | 21 4 | 0 28 | 8 17 | 2 22 | 17 33 | 0 44 | 20 56 | 1 23 | 7 56 | 16 27 | 17 33 | 17 47 | 8 10 | 6 39 | 2 48 |
| S 12 | 13 41 | 6 49 | 3 22 | 12 15 | 1 25 | 20 0 | 0 44 | 13 10 | 1 6 | 21 1 | 0 28 | 8 19 | 2 22 | 17 34 | 0 44 | 20 56 | 1 23 | 7 55 | 16 27 | 17 33 | 17 48 | 8 12 | 6 39 | 2 49 |
| M13 | 13 22 | 1 53 | 4 16 | 11 32 | 1 20 | 19 44 | 0 47 | 12 57 | 1 5 | 20 59 | 0 28 | 8 20 | 2 22 | 17 35 | 0 44 | 20 56 | 1 23 | 7 54 | 16 26 | 17 34 | 17 48 | 8 14 | 6 38 | 2 49 |
| T 14 | 13 2 | 3s10 | 4 54 | 10 48 | 1 15 | 19 28 | 0 49 | 12 43 | 1 5 | 20 57 | 0 28 | 8 22 | 2 22 | 17 35 | 0 44 | 20 56 | 1 23 | 7 53 | 16 26 | 17 34 | 17 49 | 8 17 | 6 37 | 2 49 |
| W15 | 12 43 | 8 0 | 5 13 | 10 4 | 1 10 | 19 11 | 0 51 | 12 29 | 1 5 | 20 54 | 0 28 | 8 24 | 2 22 | 17 36 | 0 44 | 20 56 | 1 23 | 7 52 | 16 25 | 17 35 | 17 50 | 8 19 | 6 37 | 2 49 |
| T 16 | 12 23 | 12 22 | 5 13 | 9 19 | 1 5 | 18 53 | 0 53 | 12 15 | 1 5 | 20 52 | 0 29 | 8 26 | 2 22 | 17 37 | 0 44 | 20 56 | 1 23 | 7 51 | 16 25 | 17 35 | 17 51 | 8 21 | 6 36 | 2 49 |
| F 17 | 12 2 | 15 58 | 4 54 | 8 35 | 0 59 | 18 35 | 0 55 | 12 1 | 1 5 | 20 49 | 0 29 | 8 28 | 2 23 | 17 37 | 0 44 | 20 56 | 1 23 | 7 50 | 16 24 | 17 35 | 17 52 | 8 23 | 6 35 | 2 49 |
| S 18 | 11 42 | 18 37 | 4 17 | 7 50 | 0 53 | 18 17 | 0 57 | 11 47 | 1 4 | 20 47 | 0 29 | 8 29 | 2 23 | 17 38 | 0 44 | 20 56 | 1 23 | 7 49 | 16 24 | 17 35 | 17 53 | 8 25 | 6 35 | 2 49 |
| S 19 | 11 21 | 20 8 | 3 26 | 7 5 | 0 46 | 17 57 | 0 59 | 11 33 | 1 4 | 20 44 | 0 29 | 8 31 | 2 23 | 17 39 | 0 44 | 20 56 | 1 23 | 7 48 | 16 23 | 17 35 | 17 54 | 8 27 | 6 34 | 2 49 |
| M20 | 11 1 | 20 27 | 2 24 | 6 20 | 0 40 | 17 38 | 1 0 | 11 19 | 1 4 | 20 42 | 0 29 | 8 33 | 2 23 | 17 39 | 0 44 | 20 56 | 1 23 | 7 47 | 16 23 | 17 34 | 17 54 | 8 29 | 6 33 | 2 49 |
| T 21 | 10 40 | 19 37 | 1 16 | 5 36 | 0 33 | 17 18 | 1 2 | 11 5 | 1 4 | 20 39 | 0 29 | 8 35 | 2 23 | 17 40 | 0 44 | 20 56 | 1 23 | 7 46 | 16 23 | 17 34 | 17 55 | 8 32 | 6 32 | 2 49 |
| W22 | 10 19 | 17 43 | 0 4 | 4 51 | 0 26 | 16 57 | 1 4 | 10 50 | 1 4 | 20 37 | 0 29 | 8 37 | 2 23 | 17 41 | 0 44 | 20 57 | 1 22 | 7 45 | 16 22 | 17 34 | 17 56 | 8 34 | 6 32 | 2 49 |
| T 23 | 9 57 | 14 56 | 1s 6 | 4 7 | 0 19 | 16 36 | 1 5 | 10 36 | 1 3 | 20 34 | 0 29 | 8 39 | 2 23 | 17 41 | 0 44 | 20 57 | 1 22 | 7 44 | 16 22 | 17 34 | 17 57 | 8 36 | 6 31 | 2 49 |
| F 24 | 9 36 | 11 29 | 2 12 | 3 22 | 0 12 | 16 14 | 1 7 | 10 21 | 1 3 | 20 32 | 0 30 | 8 40 | 2 23 | 17 42 | 0 44 | 20 57 | 1 22 | 7 43 | 16 21 | 17 34 | 17 58 | 8 38 | 6 30 | 2 49 |
| S 25 | 9 14 | 7 35 | 3 10 | 2 38 | 0 5 | 15 52 | 1 9 | 10 7 | 1 3 | 20 29 | 0 30 | 8 42 | 2 23 | 17 42 | 0 44 | 20 57 | 1 22 | 7 41 | 16 21 | 17 35 | 17 59 | 8 40 | 6 29 | 2 49 |
| S 26 | 8 52 | 3 26 | 3 59 | 1 54 | 0s 3 | 15 29 | 1 10 | 9 52 | 1 3 | 20 27 | 0 30 | 8 44 | 2 23 | 17 43 | 0 44 | 20 57 | 1 22 | 7 40 | 16 21 | 17 36 | 17 59 | 8 42 | 6 28 | 2 49 |
| M27 | 8 30 | 0n48 | 4 36 | 1 11 | 0 10 | 15 6 | 1 11 | 9 37 | 1 2 | 20 24 | 0 30 | 8 46 | 2 24 | 17 44 | 0 44 | 20 57 | 1 22 | 7 39 | 16 20 | 17 38 | 18 0 | 8 44 | 6 27 | 2 49 |
| T 28 | 8 8 | 4 57 | 5 0 | 0 28 | 0 18 | 14 43 | 1 13 | 9 23 | 1 2 | 20 22 | 0 30 | 8 48 | 2 24 | 17 44 | 0 44 | 20 57 | 1 22 | 7 38 | 16 20 | 17 39 | 18 1 | 8 47 | 6 27 | 2 49 |
| W29 | 7 46 | 8 53 | 5 12 | 0s15 | 0 25 | 14 19 | 1 14 | 9 8 | 1 2 | 20 19 | 0 30 | 8 50 | 2 24 | 17 45 | 0 44 | 20 57 | 1 22 | 7 37 | 16 20 | 17 40 | 18 2 | 8 49 | 6 26 | 2 49 |
| T 30 | 7 24 | 12 27 | 5 9 | 0 58 | 0 33 | 13 55 | 1 15 | 8 53 | 1 2 | 20 17 | 0 30 | 8 52 | 2 24 | 17 45 | 0 44 | 20 57 | 1 22 | 7 36 | 16 19 | 17 41 | 18 3 | 8 51 | 6 25 | 2 49 |
| F 31 | 7n 1 | 15n32 | 4s54 | 1s40 | 0s41 | 13n30 | 1n17 | 8n38 | 1n 1 | 20n14 | 0n31 | 8s54 | 2s24 | 17s46 | 0s44 | 20s57 | 1n22 | 7n35 | 16n19 | 17n42 | 18n 4 | 8n53 | 6n24 | 2n49 |

Julian Day Number = 2084328.5, Delta T = 24m50s
Ecliptic obliquity = 23°34'04, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'38, Lahiri = 9°50'38 Julian Calendar 1 Aug. 994 == Greg. Calendar 6 Aug. 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## SEPTEMBER 994 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 23 0 21 | 13♍10'14 | 12♊20 | 4♎ 3 | 29♌ 1 | 11♍ 6 | 2♌33 | 13°R 0 | 12°R45 | 11♐42 | 19♎ 7 | 10°D31 | 9♌ 6 | 6♉33 | 9°R31 | S 1 |
| S 2 | 23 4 17 | 14° 8'59 | 24°31 | 5°28 | 0♍16 | 11°45 | 2°45 | 12♓56 | 12♒43 | 11°42 | 19° 9 | 10♌32 | 9° 3 | 6°40 | 9♈29 | S 2 |
| M 3 | 23 8 14 | 15° 7'46 | 6♋57 | 6°53 | 1°30 | 12°24 | 2°56 | 12°51 | 12°41 | 11°43 | 19°11 | 10°33 | 9° 0 | 6°47 | 9°27 | M 3 |
| T 4 | 23 12 10 | 16° 6'35 | 19°44 | 8°16 | 2°45 | 13° 3 | 3° 7 | 12°46 | 12°39 | 11°43 | 19°13 | 10°34 | 8°57 | 6°53 | 9°24 | T 4 |
| W 5 | 23 16 7 | 17° 5'27 | 2♌54 | 9°38 | 3°59 | 13°41 | 3°18 | 12°42 | 12°38 | 11°44 | 19°15 | 10°36 | 8°53 | 7° 0 | 9°22 | W 5 |
| T 6 | 23 20 4 | 18° 4'20 | 16°30 | 10°59 | 5°14 | 14°20 | 3°30 | 12°37 | 12°36 | 11°45 | 19°18 | 10°R36 | 8°50 | 7° 7 | 9°19 | T 6 |
| F 7 | 23 24 0 | 19° 3'16 | 0♍32 | 12°18 | 6°29 | 14°59 | 3°41 | 12°32 | 12°34 | 11°45 | 19°20 | 10°34 | 8°47 | 7°14 | 9°17 | F 7 |
| S 8 | 23 27 57 | 20° 2'14 | 14°58 | 13°37 | 7°43 | 15°38 | 3°52 | 12°28 | 12°32 | 11°46 | 19°22 | 10°31 | 8°44 | 7°20 | 9°14 | S 8 |
| S 9 | 23 31 53 | 21° 1'15 | 29°41 | 14°53 | 8°58 | 16°17 | 4° 3 | 12°23 | 12°30 | 11°47 | 19°24 | 10°26 | 8°41 | 7°27 | 9°12 | S 9 |
| M10 | 23 35 50 | 22° 0'17 | 14♎35 | 16° 9 | 10°13 | 16°56 | 4°13 | 12°18 | 12°29 | 11°47 | 19°26 | 10°20 | 8°38 | 7°34 | 9° 9 | M10 |
| T 11 | 23 39 46 | 22°59'21 | 29°30 | 17°23 | 11°28 | 17°35 | 4°24 | 12°14 | 12°27 | 11°48 | 19°29 | 10°13 | 8°34 | 7°40 | 9° 6 | T 11 |
| W12 | 23 43 43 | 23°58'27 | 14♏19 | 18°35 | 12°42 | 18°14 | 4°35 | 12° 9 | 12°25 | 11°49 | 19°31 | 10° 7 | 8°31 | 7°47 | 9° 4 | W12 |
| T 13 | 23 47 39 | 24°57'35 | 28°54 | 19°46 | 13°57 | 18°53 | 4°45 | 12° 5 | 12°24 | 11°50 | 19°33 | 10° 3 | 8°28 | 7°54 | 9° 1 | T 13 |
| F 14 | 23 51 36 | 25°56'45 | 13♐11 | 20°55 | 15°12 | 19°32 | 4°56 | 12° 0 | 12°22 | 11°50 | 19°35 | 10° 0 | 8°25 | 8° 1 | 8°58 | F 14 |
| S 15 | 23 55 32 | 26°55'56 | 27° 8 | 22° 1 | 16°27 | 20°11 | 5° 6 | 11°56 | 12°21 | 11°51 | 19°38 | 9°D59 | 8°22 | 8° 7 | 8°56 | S 15 |
| S 16 | 23 59 29 | 27°55'10 | 10♑44 | 23° 6 | 17°42 | 20°50 | 5°17 | 11°51 | 12°19 | 11°52 | 19°40 | 10° 0 | 8°18 | 8°14 | 8°53 | S 16 |
| M17 | 0 3 26 | 28°54'25 | 24° 1 | 24° 9 | 18°57 | 21°29 | 5°27 | 11°47 | 12°18 | 11°53 | 19°42 | 10° 1 | 8°15 | 8°21 | 8°50 | M17 |
| T 18 | 0 7 22 | 29°53'42 | 7♒ 1 | 25° 8 | 20°12 | 22° 9 | 5°37 | 11°43 | 12°17 | 11°54 | 19°44 | 10°R 2 | 8°12 | 8°28 | 8°48 | T 18 |
| W19 | 0 11 19 | 0♎53'00 | 19°48 | 26° 6 | 21°27 | 22°48 | 5°47 | 11°39 | 12°15 | 11°55 | 19°47 | 10° 2 | 8° 9 | 8°34 | 8°45 | W19 |
| T 20 | 0 15 15 | 1°52'21 | 2♓22 | 27° 0 | 22°42 | 23°27 | 5°57 | 11°34 | 12°14 | 11°56 | 19°49 | 9°59 | 8° 6 | 8°41 | 8°42 | T 20 |
| F 21 | 0 19 12 | 2°51'44 | 14°46 | 27°51 | 23°57 | 24° 6 | 6° 7 | 11°30 | 12°13 | 11°57 | 19°51 | 9°54 | 8° 3 | 8°48 | 8°40 | F 21 |
| S 22 | 0 23 8 | 3°51'08 | 27° 1 | 28°38 | 25°12 | 24°45 | 6°16 | 11°26 | 12°11 | 11°58 | 19°54 | 9°47 | 7°59 | 8°54 | 8°37 | S 22 |
| S 23 | 0 27 5 | 4°50'35 | 9♈ 9 | 29°22 | 26°27 | 25°25 | 6°26 | 11°22 | 12°10 | 11°59 | 19°56 | 9°37 | 7°56 | 9° 1 | 8°34 | S 23 |
| M24 | 0 31 1 | 5°50'03 | 21°10 | 0♏ 1 | 27°42 | 26° 4 | 6°36 | 11°18 | 12° 9 | 12° 0 | 19°58 | 9°27 | 7°53 | 9° 8 | 8°31 | M24 |
| T 25 | 0 34 58 | 6°49'34 | 3♉ 6 | 0°35 | 28°57 | 26°43 | 6°45 | 11°14 | 12° 8 | 12° 2 | 20° 1 | 9°15 | 7°50 | 9°15 | 8°29 | T 25 |
| W26 | 0 38 55 | 7°49'07 | 14°58 | 1° 5 | 0♎12 | 27°23 | 6°54 | 11°10 | 12° 7 | 12° 3 | 20° 3 | 9° 5 | 7°47 | 9°21 | 8°26 | W26 |
| T 27 | 0 42 51 | 8°48'42 | 26°49 | 1°29 | 1°27 | 28° 2 | 7° 3 | 11° 6 | 12° 6 | 12° 4 | 20° 6 | 8°56 | 7°44 | 9°28 | 8°23 | T 27 |
| F 28 | 0 46 48 | 9°48'20 | 8♊42 | 1°46 | 2°42 | 28°41 | 7°12 | 11° 2 | 12° 5 | 12° 5 | 20° 8 | 8°48 | 7°40 | 9°35 | 8°20 | F 28 |
| S 29 | 0 50 44 | 10°48'00 | 20°40 | 1°57 | 3°58 | 29°21 | 7°21 | 10°58 | 12° 4 | 12° 7 | 20°10 | 8°44 | 7°37 | 9°42 | 8°18 | S 29 |
| S 30 | 0 54 41 | 11♎47'42 | 2♋47 | 2°R 1 | 5♎13 | 0♎ 0 | 7♌30 | 10♓55 | 12♒ 3 | 12♐ 8 | 20♎13 | 8♌42 | 7♌34 | 9♉48 | 8♈15 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n39 | 18n 0 | 4s26 | 2s22 | 0s49 | 13n 5 | 1n18 | 8n23 | 1n 1 | 20n12 | 0n31 | 8s55 | 2s24 | 17s46 | 0s44 | 20s57 | 1n22 | 7n34 | 16n18 | 17n42 | 18n 5 | 8n55 | 6n23 | 2n49 |
| S 2 | 6 16 | 19 42 | 3 45 | 3 3 | 0 56 | 12 40 | 1 19 | 8 8 | 1 1 | 20 9 | 0 31 | 8 57 | 2 24 | 17 47 | 0 44 | 20 58 | 1 22 | 7 33 | 16 18 | 17 42 | 18 5 | 8 57 | 6 22 | 2 49 |
| M 3 | 5 53 | 20 30 | 2 53 | 3 43 | 1 4 | 12 14 | 1 20 | 7 53 | 1 1 | 20 7 | 0 31 | 8 59 | 2 24 | 17 48 | 0 44 | 20 58 | 1 22 | 7 32 | 16 18 | 17 41 | 18 6 | 8 59 | 6 21 | 2 49 |
| T 4 | 5 30 | 20 16 | 1 51 | 4 24 | 1 12 | 11 48 | 1 21 | 7 38 | 1 0 | 20 4 | 0 31 | 9 1 | 2 24 | 17 48 | 0 44 | 20 58 | 1 22 | 7 31 | 16 17 | 17 41 | 18 7 | 9 2 | 6 20 | 2 49 |
| W 5 | 5 7 | 18 56 | 0 42 | 5 3 | 1 20 | 11 22 | 1 22 | 7 22 | 1 0 | 20 2 | 0 31 | 9 3 | 2 24 | 17 49 | 0 44 | 20 58 | 1 22 | 7 30 | 16 17 | 17 40 | 18 8 | 9 4 | 6 19 | 2 49 |
| T 6 | 4 44 | 16 29 | 0n32 | 5 42 | 1 27 | 10 55 | 1 22 | 7 7 | 1 0 | 19 59 | 0 31 | 9 5 | 2 24 | 17 49 | 0 44 | 20 58 | 1 22 | 7 29 | 16 17 | 17 40 | 18 9 | 9 6 | 6 18 | 2 49 |
| F 7 | 4 21 | 13 0 | 1 46 | 6 20 | 1 35 | 10 28 | 1 23 | 6 52 | 1 0 | 19 57 | 0 32 | 9 6 | 2 24 | 17 50 | 0 44 | 20 58 | 1 22 | 7 28 | 16 17 | 17 41 | 18 10 | 9 8 | 6 17 | 2 49 |
| S 8 | 3 58 | 8 39 | 2 56 | 6 58 | 1 42 | 10 1 | 1 24 | 6 36 | 0 59 | 19 54 | 0 32 | 9 8 | 2 24 | 17 50 | 0 44 | 20 58 | 1 22 | 7 27 | 16 16 | 17 42 | 18 10 | 9 10 | 6 16 | 2 49 |
| S 9 | 3 35 | 3 43 | 3 55 | 7 35 | 1 50 | 9 33 | 1 24 | 6 21 | 0 59 | 19 52 | 0 32 | 9 10 | 2 24 | 17 51 | 0 44 | 20 58 | 1 21 | 7 26 | 16 16 | 17 43 | 18 11 | 9 12 | 6 15 | 2 49 |
| M10 | 3 11 | 1s30 | 4 38 | 8 11 | 1 57 | 9 5 | 1 25 | 6 5 | 0 59 | 19 49 | 0 32 | 9 12 | 2 24 | 17 51 | 0 44 | 20 59 | 1 21 | 7 24 | 16 16 | 17 45 | 18 12 | 9 14 | 6 14 | 2 49 |
| T 11 | 2 48 | 6 38 | 5 3 | 8 46 | 2 4 | 8 37 | 1 25 | 5 50 | 0 59 | 19 47 | 0 32 | 9 13 | 2 24 | 17 51 | 0 44 | 20 59 | 1 21 | 7 23 | 16 15 | 17 47 | 18 13 | 9 17 | 6 13 | 2 49 |
| W12 | 2 24 | 11 19 | 5 8 | 9 20 | 2 11 | 8 9 | 1 26 | 5 34 | 0 58 | 19 45 | 0 32 | 9 15 | 2 24 | 17 52 | 0 44 | 20 59 | 1 21 | 7 22 | 16 15 | 17 48 | 18 14 | 9 19 | 6 12 | 2 49 |
| T 13 | 2 1 | 15 16 | 4 52 | 9 54 | 2 18 | 7 40 | 1 26 | 5 19 | 0 58 | 19 42 | 0 32 | 9 17 | 2 24 | 17 52 | 0 44 | 20 59 | 1 21 | 7 21 | 16 15 | 17 49 | 18 15 | 9 21 | 6 11 | 2 49 |
| F 14 | 1 37 | 18 14 | 4 19 | 10 26 | 2 25 | 7 11 | 1 26 | 5 3 | 0 58 | 19 40 | 0 33 | 9 19 | 2 24 | 17 53 | 0 44 | 20 59 | 1 21 | 7 20 | 16 15 | 17 50 | 18 15 | 9 23 | 6 10 | 2 49 |
| S 15 | 1 14 | 20 2 | 3 30 | 10 57 | 2 31 | 6 42 | 1 27 | 4 47 | 0 57 | 19 37 | 0 33 | 9 20 | 2 24 | 17 53 | 0 44 | 20 59 | 1 21 | 7 19 | 16 14 | 17 50 | 18 16 | 9 25 | 6 9 | 2 49 |
| S 16 | 0 50 | 20 37 | 2 31 | 11 27 | 2 37 | 6 13 | 1 27 | 4 32 | 0 57 | 19 35 | 0 33 | 9 22 | 2 24 | 17 53 | 0 44 | 21 0 | 1 21 | 7 18 | 16 14 | 17 50 | 18 17 | 9 27 | 6 8 | 2 49 |
| M17 | 0 26 | 20 1 | 1 25 | 11 56 | 2 43 | 5 43 | 1 27 | 4 16 | 0 57 | 19 33 | 0 33 | 9 24 | 2 24 | 17 54 | 0 44 | 21 0 | 1 21 | 7 17 | 16 14 | 17 50 | 18 18 | 9 29 | 6 7 | 2 49 |
| T 18 | 0 3 | 18 21 | 0 16 | 12 24 | 2 49 | 5 14 | 1 27 | 4 0 | 0 57 | 19 30 | 0 33 | 9 25 | 2 24 | 17 54 | 0 44 | 21 0 | 1 21 | 7 16 | 16 14 | 17 50 | 18 19 | 9 32 | 6 5 | 2 49 |
| W19 | 0s21 | 15 47 | 0s52 | 12 50 | 2 54 | 4 44 | 1 27 | 3 44 | 0 56 | 19 28 | 0 33 | 9 27 | 2 24 | 17 55 | 0 43 | 21 0 | 1 21 | 7 15 | 16 14 | 17 50 | 18 20 | 9 34 | 6 4 | 2 49 |
| T 20 | 0 45 | 12 30 | 1 57 | 13 14 | 2 59 | 4 14 | 1 27 | 3 28 | 0 56 | 19 26 | 0 34 | 9 28 | 2 24 | 17 55 | 0 43 | 21 0 | 1 21 | 7 14 | 16 13 | 17 50 | 18 20 | 9 36 | 6 3 | 2 49 |
| F 21 | 1 9 | 8 43 | 2 55 | 13 37 | 3 3 | 3 44 | 1 26 | 3 12 | 0 56 | 19 23 | 0 34 | 9 30 | 2 24 | 17 55 | 0 43 | 21 0 | 1 21 | 7 13 | 16 13 | 17 52 | 18 21 | 9 38 | 6 2 | 2 49 |
| S 22 | 1 32 | 4 37 | 3 44 | 13 57 | 3 7 | 3 14 | 1 26 | 2 56 | 0 55 | 19 21 | 0 34 | 9 32 | 2 24 | 17 56 | 0 43 | 21 1 | 1 21 | 7 12 | 16 13 | 17 54 | 18 22 | 9 40 | 6 1 | 2 49 |
| S 23 | 1 56 | 0 23 | 4 23 | 14 16 | 3 10 | 2 44 | 1 26 | 2 41 | 0 55 | 19 19 | 0 34 | 9 33 | 2 24 | 17 56 | 0 43 | 21 1 | 1 21 | 7 11 | 16 13 | 17 56 | 18 23 | 9 42 | 6 0 | 2 49 |
| M24 | 2 20 | 3n50 | 4 49 | 14 33 | 3 13 | 2 13 | 1 25 | 2 25 | 0 55 | 19 17 | 0 34 | 9 35 | 2 24 | 17 56 | 0 43 | 21 1 | 1 21 | 7 10 | 16 13 | 17 59 | 18 24 | 9 44 | 5 59 | 2 49 |
| T 25 | 2 43 | 7 53 | 5 2 | 14 47 | 3 15 | 1 43 | 1 25 | 2 9 | 0 54 | 19 15 | 0 35 | 9 36 | 2 23 | 17 56 | 0 43 | 21 1 | 1 21 | 7 9 | 16 13 | 18 2 | 18 25 | 9 46 | 5 57 | 2 49 |
| W26 | 3 7 | 11 36 | 5 2 | 14 58 | 3 16 | 1 13 | 1 24 | 1 53 | 0 54 | 19 12 | 0 35 | 9 37 | 2 23 | 17 57 | 0 43 | 21 1 | 1 21 | 7 8 | 16 13 | 18 5 | 18 25 | 9 49 | 5 56 | 2 49 |
| T 27 | 3 31 | 14 51 | 4 49 | 15 7 | 3 16 | 0 42 | 1 24 | 1 37 | 0 54 | 19 10 | 0 35 | 9 39 | 2 23 | 17 57 | 0 43 | 21 2 | 1 21 | 7 7 | 16 12 | 18 7 | 18 26 | 9 51 | 5 55 | 2 49 |
| F 28 | 3 54 | 17 31 | 4 24 | 15 13 | 3 16 | 0 11 | 1 23 | 1 21 | 0 54 | 19 8 | 0 35 | 9 40 | 2 23 | 17 57 | 0 43 | 21 2 | 1 21 | 7 6 | 16 12 | 18 9 | 18 27 | 9 53 | 5 54 | 2 48 |
| S 29 | 4 18 | 19 28 | 3 47 | 15 15 | 3 14 | 0s19 | 1 22 | 1 4 | 0 53 | 19 6 | 0 35 | 9 42 | 2 23 | 17 57 | 0 43 | 21 2 | 1 20 | 7 5 | 16 12 | 18 10 | 18 28 | 9 55 | 5 53 | 2 48 |
| S 30 | 4s41 | 20n33 | 2s59 | 15s13 | 3s11 | 0s50 | 1n22 | 0n48 | 0n53 | 19n 4 | 0n35 | 9s43 | 2s23 | 17s58 | 0s43 | 21s 2 | 1n20 | 7n 4 | 16n12 | 18n11 | 18n29 | 9n57 | 5n52 | 2n48 |

Julian Day Number = 2084359.5, Delta T = 24m49s
Ecliptic obliquity = 23°34'05, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'42, Lahiri = 9°50'43 Julian Calendar 1 Sept. 994 == Greg. Calendar 6 Sept. 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## OCTOBER 994 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 0 58 37 | 12♎47'26 | 15♋ 9 | 1°R57 | 6♎28 | 0♎40 | 7♌39 | 10°R51 | 12°R 3 | 12♐ 9 | 20♎15 | 8°D41 | 7♌31 | 9♉55 | 8°R12 | M 1 |
| T 2 | 1 2 34 | 13°47'13 | 27°50 | 1♏44 | 7°43 | 1°19 | 7°48 | 10♓48 | 12♒ 2 | 12°11 | 20°18 | 8♌42 | 7°28 | 10° 2 | 8♈ 9 | T 2 |
| W 3 | 1 6 30 | 14°47'02 | 10♌55 | 1°23 | 8°58 | 1°59 | 7°56 | 10°44 | 12° 1 | 12°12 | 20°20 | 8°R42 | 7°24 | 10° 8 | 8° 7 | W 3 |
| T 4 | 1 10 27 | 15°46'53 | 24°28 | 0°53 | 10°14 | 2°38 | 8° 4 | 10°41 | 12° 0 | 12°13 | 20°22 | 8°41 | 7°21 | 10°15 | 8° 4 | T 4 |
| F 5 | 1 14 24 | 16°46'47 | 8♍30 | 0°14 | 11°29 | 3°18 | 8°13 | 10°37 | 12° 0 | 12°15 | 20°25 | 8°38 | 7°18 | 10°22 | 8° 1 | F 5 |
| S 6 | 1 18 20 | 17°46'43 | 23° 1 | 29♎26 | 12°44 | 3°58 | 8°21 | 10°34 | 11°59 | 12°16 | 20°27 | 8°32 | 7°15 | 10°29 | 7°58 | S 6 |
| S 7 | 1 22 17 | 18°46'40 | 7♎56 | 28°30 | 14° 0 | 4°37 | 8°29 | 10°31 | 11°59 | 12°18 | 20°30 | 8°23 | 7°12 | 10°35 | 7°56 | S 7 |
| M 8 | 1 26 13 | 19°46'40 | 23° 7 | 27°26 | 15°15 | 5°17 | 8°37 | 10°28 | 11°58 | 12°19 | 20°32 | 8°13 | 7° 9 | 10°42 | 7°53 | M 8 |
| T 9 | 1 30 10 | 20°46'42 | 8♏24 | 26°16 | 16°30 | 5°57 | 8°44 | 10°25 | 11°58 | 12°21 | 20°35 | 8° 2 | 7° 5 | 10°49 | 7°50 | T 9 |
| W10 | 1 34 6 | 21°46'45 | 23°35 | 25° 1 | 17°45 | 6°36 | 8°52 | 10°22 | 11°57 | 12°23 | 20°37 | 7°52 | 7° 2 | 10°55 | 7°48 | W10 |
| T 11 | 1 38 3 | 22°46'51 | 8♐29 | 23°44 | 19° 1 | 7°16 | 8°59 | 10°19 | 11°57 | 12°24 | 20°40 | 7°44 | 6°59 | 11° 2 | 7°45 | T 11 |
| F 12 | 1 41 59 | 23°46'58 | 23° 1 | 22°26 | 20°16 | 7°56 | 9° 7 | 10°16 | 11°57 | 12°26 | 20°42 | 7°38 | 6°56 | 11° 9 | 7°42 | F 12 |
| S 13 | 1 45 56 | 24°47'07 | 7♑ 7 | 21°11 | 21°32 | 8°36 | 9°14 | 10°14 | 11°57 | 12°27 | 20°44 | 7°35 | 6°53 | 11°16 | 7°40 | S 13 |
| S 14 | 1 49 53 | 25°47'17 | 20°45 | 20° 0 | 22°47 | 9°15 | 9°21 | 10°11 | 11°56 | 12°29 | 20°47 | 7°34 | 6°49 | 11°22 | 7°37 | S 14 |
| M15 | 1 53 49 | 26°47'29 | 3♒59 | 18°56 | 24° 2 | 9°55 | 9°28 | 10° 9 | 11°56 | 12°31 | 20°49 | 7°34 | 6°46 | 11°29 | 7°35 | M15 |
| T 16 | 1 57 46 | 27°47'42 | 16°51 | 18° 1 | 25°18 | 10°35 | 9°34 | 10° 6 | 11°56 | 12°33 | 20°52 | 7°34 | 6°43 | 11°36 | 7°32 | T 16 |
| W17 | 2 1 42 | 28°47'57 | 29°26 | 17°16 | 26°33 | 11°15 | 9°41 | 10° 4 | 11°D56 | 12°34 | 20°54 | 7°32 | 6°40 | 11°43 | 7°30 | W17 |
| T 18 | 2 5 39 | 29°48'13 | 11♓48 | 16°41 | 27°48 | 11°55 | 9°47 | 10° 2 | 11°56 | 12°36 | 20°56 | 7°28 | 6°37 | 11°49 | 7°27 | T 18 |
| F 19 | 2 9 35 | 0♏48'31 | 23°59 | 16°19 | 29° 4 | 12°35 | 9°54 | 10° 0 | 11°56 | 12°38 | 20°59 | 7°21 | 6°34 | 11°56 | 7°25 | F 19 |
| S 20 | 2 13 32 | 1°48'51 | 6♈ 3 | 16°D 8 | 0♏19 | 13°15 | 10° 0 | 9°58 | 11°56 | 12°40 | 21° 1 | 7°11 | 6°30 | 12° 3 | 7°22 | S 20 |
| S 21 | 2 17 28 | 2°49'12 | 18° 2 | 16° 9 | 1°35 | 13°55 | 10° 6 | 9°56 | 11°57 | 12°41 | 21° 4 | 6°58 | 6°27 | 12° 9 | 7°20 | S 21 |
| M22 | 2 21 25 | 3°49'35 | 29°58 | 16°20 | 2°50 | 14°35 | 10°11 | 9°54 | 11°57 | 12°43 | 21° 6 | 6°44 | 6°24 | 12°16 | 7°17 | M22 |
| T 23 | 2 25 21 | 4°49'59 | 11♉51 | 16°42 | 4° 5 | 15°15 | 10°17 | 9°52 | 11°57 | 12°45 | 21° 8 | 6°29 | 6°21 | 12°23 | 7°15 | T 23 |
| W24 | 2 29 18 | 5°50'25 | 23°43 | 17°13 | 5°21 | 15°55 | 10°23 | 9°51 | 11°57 | 12°47 | 21°11 | 6°15 | 6°18 | 12°30 | 7°13 | W24 |
| T 25 | 2 33 15 | 6°50'53 | 5♊36 | 17°52 | 6°36 | 16°35 | 10°28 | 9°49 | 11°58 | 12°49 | 21°13 | 6° 2 | 6°15 | 12°36 | 7°10 | T 25 |
| F 26 | 2 37 11 | 7°51'23 | 17°31 | 18°40 | 7°52 | 17°16 | 10°33 | 9°48 | 11°58 | 12°51 | 21°16 | 5°52 | 6°11 | 12°43 | 7° 8 | F 26 |
| S 27 | 2 41 8 | 8°51'55 | 29°31 | 19°33 | 9° 7 | 17°56 | 10°38 | 9°47 | 11°59 | 12°53 | 21°18 | 5°45 | 6° 8 | 12°50 | 7° 6 | S 27 |
| S 28 | 2 45 4 | 9°52'28 | 11♋39 | 20°33 | 10°22 | 18°36 | 10°43 | 9°45 | 11°59 | 12°55 | 21°20 | 5°40 | 6° 5 | 12°56 | 7° 4 | S 28 |
| M29 | 2 49 1 | 10°53'03 | 23°59 | 21°38 | 11°38 | 19°16 | 10°48 | 9°44 | 12° 0 | 12°57 | 21°23 | 5°39 | 6° 2 | 13° 3 | 7° 1 | M29 |
| T 30 | 2 52 57 | 11°53'40 | 6♌36 | 22°47 | 12°53 | 19°57 | 10°52 | 9°43 | 12° 1 | 12°59 | 21°25 | 5°38 | 5°59 | 13°10 | 6°59 | T 30 |
| W31 | 2 56 54 | 12♏54'19 | 19♌34 | 24♎ 0 | 14♏ 9 | 20♎37 | 10♌56 | 9♓43 | 12♒ 1 | 13♐ 1 | 21♎27 | 5♌38 | 5♌55 | 13♉17 | 6♈57 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s 5 | 20n41 | 2s 2 | 15s 8 | 3s 7 | 1s21 | 1n21 | 0n32 | 0n53 | 19n 2 | 0n36 | 9s44 | 2s23 | 17s58 | 0s43 | 21s 3 | 1n20 | 7n 3 | 16n12 | 18n11 | 18n29 | 9n59 | 5n51 | 2n48 |
| T 2 | 5 28 | 19 46 | 0 58 | 14 58 | 3 1 | 1 51 | 1 20 | 0 16 | 0 52 | 19 0 | 0 36 | 9 46 | 2 23 | 17 58 | 0 43 | 21 3 | 1 20 | 7 2 | 16 12 | 18 11 | 18 30 | 10 1 | 5 49 | 2 48 |
| W 3 | 5 51 | 17 47 | 0n12 | 14 44 | 2 54 | 2 22 | 1 19 | 0 0 | 0 52 | 18 58 | 0 36 | 9 47 | 2 23 | 17 58 | 0 43 | 21 3 | 1 20 | 7 1 | 16 12 | 18 11 | 18 31 | 10 3 | 5 48 | 2 48 |
| T 4 | 6 15 | 14 44 | 1 23 | 14 25 | 2 45 | 2 53 | 1 18 | 0s16 | 0 52 | 18 56 | 0 36 | 9 48 | 2 23 | 17 58 | 0 43 | 21 3 | 1 20 | 7 0 | 16 12 | 18 11 | 18 32 | 10 5 | 5 47 | 2 48 |
| F 5 | 6 38 | 10 46 | 2 31 | 14 1 | 2 34 | 3 23 | 1 17 | 0 32 | 0 51 | 18 54 | 0 36 | 9 49 | 2 23 | 17 59 | 0 43 | 21 3 | 1 20 | 6 59 | 16 12 | 18 12 | 18 33 | 10 8 | 5 46 | 2 48 |
| S 6 | 7 1 | 6 2 | 3 32 | 13 32 | 2 21 | 3 54 | 1 16 | 0 48 | 0 51 | 18 52 | 0 37 | 9 50 | 2 22 | 17 59 | 0 43 | 21 4 | 1 20 | 6 58 | 16 12 | 18 14 | 18 34 | 10 10 | 5 45 | 2 48 |
| S 7 | 7 24 | 0 49 | 4 20 | 12 58 | 2 7 | 4 24 | 1 15 | 1 4 | 0 51 | 18 50 | 0 37 | 9 51 | 2 22 | 17 59 | 0 43 | 21 4 | 1 20 | 6 58 | 16 12 | 18 16 | 18 34 | 10 12 | 5 44 | 2 48 |
| M 8 | 7 47 | 4s32 | 4 51 | 12 20 | 1 51 | 4 55 | 1 13 | 1 21 | 0 50 | 18 48 | 0 37 | 9 52 | 2 22 | 17 59 | 0 43 | 21 4 | 1 20 | 6 57 | 16 12 | 18 18 | 18 35 | 10 14 | 5 42 | 2 48 |
| T 9 | 8 9 | 9 37 | 5 1 | 11 38 | 1 33 | 5 25 | 1 12 | 1 37 | 0 50 | 18 46 | 0 37 | 9 53 | 2 22 | 17 59 | 0 43 | 21 4 | 1 20 | 6 56 | 16 11 | 18 21 | 18 36 | 10 16 | 5 41 | 2 48 |
| W10 | 8 32 | 14 5 | 4 50 | 10 53 | 1 14 | 5 55 | 1 11 | 1 53 | 0 49 | 18 44 | 0 37 | 9 54 | 2 22 | 17 59 | 0 43 | 21 5 | 1 20 | 6 55 | 16 11 | 18 24 | 18 37 | 10 18 | 5 40 | 2 47 |
| T 11 | 8 54 | 17 34 | 4 20 | 10 6 | 0 54 | 6 25 | 1 9 | 2 9 | 0 49 | 18 43 | 0 38 | 9 55 | 2 22 | 17 59 | 0 43 | 21 5 | 1 20 | 6 54 | 16 11 | 18 26 | 18 38 | 10 20 | 5 39 | 2 47 |
| F 12 | 9 17 | 19 51 | 3 33 | 9 18 | 0 34 | 6 55 | 1 8 | 2 25 | 0 49 | 18 41 | 0 38 | 9 56 | 2 22 | 17 59 | 0 43 | 21 5 | 1 20 | 6 53 | 16 11 | 18 28 | 18 38 | 10 22 | 5 38 | 2 47 |
| S 13 | 9 39 | 20 49 | 2 34 | 8 30 | 0 13 | 7 25 | 1 6 | 2 41 | 0 48 | 18 39 | 0 38 | 9 57 | 2 21 | 17 59 | 0 43 | 21 5 | 1 20 | 6 52 | 16 11 | 18 28 | 18 39 | 10 25 | 5 37 | 2 47 |
| S 14 | 10 1 | 20 31 | 1 28 | 7 45 | 0n 8 | 7 54 | 1 5 | 2 57 | 0 48 | 18 37 | 0 38 | 9 58 | 2 21 | 17 59 | 0 43 | 21 6 | 1 20 | 6 51 | 16 12 | 18 29 | 18 40 | 10 27 | 5 36 | 2 47 |
| M15 | 10 23 | 19 3 | 0 19 | 7 2 | 0 27 | 8 24 | 1 3 | 3 13 | 0 48 | 18 36 | 0 38 | 9 59 | 2 21 | 17 59 | 0 43 | 21 6 | 1 20 | 6 50 | 16 12 | 18 29 | 18 41 | 10 29 | 5 34 | 2 47 |
| T 16 | 10 45 | 16 39 | 0s49 | 6 24 | 0 46 | 8 53 | 1 2 | 3 29 | 0 47 | 18 34 | 0 39 | 10 0 | 2 21 | 17 59 | 0 43 | 21 6 | 1 20 | 6 50 | 16 12 | 18 29 | 18 42 | 10 31 | 5 33 | 2 47 |
| W17 | 11 6 | 13 29 | 1 53 | 5 51 | 1 3 | 9 22 | 1 0 | 3 45 | 0 47 | 18 33 | 0 39 | 10 0 | 2 21 | 17 59 | 0 43 | 21 6 | 1 20 | 6 49 | 16 12 | 18 29 | 18 42 | 10 33 | 5 32 | 2 47 |
| T 18 | 11 28 | 9 48 | 2 50 | 5 23 | 1 19 | 9 51 | 0 58 | 4 1 | 0 46 | 18 31 | 0 39 | 10 1 | 2 21 | 17 59 | 0 43 | 21 7 | 1 20 | 6 48 | 16 12 | 18 30 | 18 43 | 10 35 | 5 31 | 2 47 |
| F 19 | 11 49 | 5 45 | 3 39 | 5 2 | 1 32 | 10 19 | 0 56 | 4 17 | 0 46 | 18 30 | 0 39 | 10 2 | 2 21 | 17 59 | 0 43 | 21 7 | 1 20 | 6 47 | 16 12 | 18 32 | 18 44 | 10 37 | 5 30 | 2 46 |
| S 20 | 12 10 | 1 31 | 4 17 | 4 47 | 1 44 | 10 48 | 0 54 | 4 33 | 0 46 | 18 28 | 0 39 | 10 2 | 2 20 | 17 59 | 0 43 | 21 7 | 1 20 | 6 46 | 16 12 | 18 34 | 18 45 | 10 39 | 5 29 | 2 46 |
| S 21 | 12 31 | 2n45 | 4 43 | 4 38 | 1 54 | 11 16 | 0 53 | 4 49 | 0 45 | 18 27 | 0 40 | 10 3 | 2 20 | 17 59 | 0 43 | 21 8 | 1 20 | 6 46 | 16 12 | 18 38 | 18 46 | 10 41 | 5 28 | 2 46 |
| M22 | 12 52 | 6 53 | 4 57 | 4 35 | 2 2 | 11 44 | 0 51 | 5 5 | 0 45 | 18 25 | 0 40 | 10 3 | 2 20 | 17 59 | 0 42 | 21 8 | 1 20 | 6 45 | 16 12 | 18 41 | 18 46 | 10 43 | 5 27 | 2 46 |
| T 23 | 13 12 | 10 45 | 4 58 | 4 37 | 2 9 | 12 11 | 0 49 | 5 21 | 0 44 | 18 24 | 0 40 | 10 4 | 2 20 | 17 59 | 0 42 | 21 8 | 1 19 | 6 44 | 16 12 | 18 45 | 18 47 | 10 46 | 5 26 | 2 46 |
| W24 | 13 32 | 14 11 | 4 46 | 4 44 | 2 14 | 12 38 | 0 47 | 5 37 | 0 44 | 18 23 | 0 40 | 10 4 | 2 20 | 17 59 | 0 42 | 21 8 | 1 19 | 6 43 | 16 12 | 18 49 | 18 48 | 10 48 | 5 25 | 2 46 |
| T 25 | 13 52 | 17 4 | 4 21 | 4 56 | 2 17 | 13 5 | 0 45 | 5 53 | 0 44 | 18 22 | 0 40 | 10 5 | 2 20 | 17 58 | 0 42 | 21 9 | 1 19 | 6 43 | 16 12 | 18 52 | 18 49 | 10 50 | 5 24 | 2 46 |
| F 26 | 14 12 | 19 15 | 3 45 | 5 12 | 2 19 | 13 32 | 0 43 | 6 9 | 0 43 | 18 20 | 0 41 | 10 5 | 2 19 | 17 58 | 0 42 | 21 9 | 1 19 | 6 42 | 16 12 | 18 54 | 18 50 | 10 52 | 5 23 | 2 45 |
| S 27 | 14 32 | 20 36 | 2 58 | 5 32 | 2 20 | 13 58 | 0 41 | 6 25 | 0 43 | 18 19 | 0 41 | 10 5 | 2 19 | 17 58 | 0 42 | 21 9 | 1 19 | 6 41 | 16 13 | 18 56 | 18 50 | 10 54 | 5 22 | 2 45 |
| S 28 | 14 51 | 21 1 | 2 3 | 5 54 | 2 20 | 14 24 | 0 39 | 6 40 | 0 42 | 18 18 | 0 41 | 10 6 | 2 19 | 17 58 | 0 42 | 21 9 | 1 19 | 6 40 | 16 13 | 18 57 | 18 51 | 10 56 | 5 20 | 2 45 |
| M29 | 15 10 | 20 25 | 1 1 | 6 20 | 2 19 | 14 50 | 0 36 | 6 56 | 0 42 | 18 17 | 0 41 | 10 6 | 2 19 | 17 58 | 0 42 | 21 10 | 1 19 | 6 40 | 16 13 | 18 58 | 18 52 | 10 58 | 5 19 | 2 45 |
| T 30 | 15 29 | 18 48 | 0n 5 | 6 47 | 2 17 | 15 15 | 0 34 | 7 12 | 0 42 | 18 16 | 0 42 | 10 6 | 2 19 | 17 58 | 0 42 | 21 10 | 1 19 | 6 39 | 16 13 | 18 58 | 18 53 | 11 0 | 5 18 | 2 45 |
| W31 | 15s48 | 16n11 | 1n13 | 7s17 | 2n14 | 15s40 | 0n32 | 7s28 | 0n41 | 18n15 | 0n42 | 10s 6 | 2s18 | 17s57 | 0s42 | 21s10 | 1n19 | 6n38 | 16n13 | 18n58 | 18n54 | 11n 2 | 5n17 | 2n45 |

Julian Day Number = 2084389.5, Delta T = 24m49s
Ecliptic obliquity = 23°34'05, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'46, Lahiri = 9°50'47 Julian Calendar 1 Oct. 994 == Greg. Calendar 6 Oct. 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## NOVEMBER 994 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 0 50 | 13♏54'59 | 2♍58 | 25♎16 | 15♏24 | 21♎17 | 11♌ 1 | 9°R42 | 12♒ 2 | 13♐ 3 | 21♎29 | 5°R37 | 5♌52 | 13♉23 | 6°R55 | T 1 |
| F 2 | 3 4 47 | 14°55'42 | 16°50 | 26°35 | 16°40 | 21°58 | 11° 4 | 9♓41 | 12° 3 | 13° 5 | 21°32 | 5♌34 | 5°49 | 13°30 | 6♈53 | F 2 |
| S 3 | 3 8 44 | 15°56'25 | 1♎12 | 27°57 | 17°55 | 22°38 | 11° 8 | 9°41 | 12° 4 | 13° 7 | 21°34 | 5°28 | 5°46 | 13°37 | 6°51 | S 3 |
| S 4 | 3 12 40 | 16°57'11 | 16° 1 | 29°20 | 19°11 | 23°19 | 11°12 | 9°40 | 12° 5 | 13° 9 | 21°36 | 5°20 | 5°43 | 13°44 | 6°49 | S 4 |
| M 5 | 3 16 37 | 17°57'58 | 1♏10 | 0♏45 | 20°26 | 23°59 | 11°15 | 9°40 | 12° 6 | 13°11 | 21°39 | 5° 9 | 5°40 | 13°50 | 6°47 | M 5 |
| T 6 | 3 20 33 | 18°58'46 | 16°31 | 2°11 | 21°42 | 24°40 | 11°19 | 9°39 | 12° 7 | 13°13 | 21°41 | 4°58 | 5°36 | 13°57 | 6°45 | T 6 |
| W 7 | 3 24 30 | 19°59'36 | 1♐51 | 3°39 | 22°57 | 25°20 | 11°22 | 9°39 | 12° 8 | 13°15 | 21°43 | 4°47 | 5°33 | 14° 4 | 6°43 | W 7 |
| T 8 | 3 28 26 | 21° 0'27 | 16°58 | 5° 8 | 24°13 | 26° 1 | 11°25 | 9°D39 | 12° 9 | 13°17 | 21°45 | 4°38 | 5°30 | 14°10 | 6°42 | T 8 |
| F 9 | 3 32 23 | 22° 1'19 | 1♑44 | 6°37 | 25°28 | 26°41 | 11°27 | 9°39 | 12°10 | 13°20 | 21°47 | 4°32 | 5°27 | 14°17 | 6°40 | F 9 |
| S 10 | 3 36 19 | 23° 2'13 | 16° 3 | 8° 7 | 26°44 | 27°22 | 11°30 | 9°40 | 12°11 | 13°22 | 21°50 | 4°28 | 5°24 | 14°24 | 6°38 | S 10 |
| S 11 | 3 40 16 | 24° 3'07 | 29°52 | 9°38 | 27°59 | 28° 3 | 11°32 | 9°40 | 12°12 | 13°24 | 21°52 | 4°D27 | 5°21 | 14°31 | 6°36 | S 11 |
| M12 | 3 44 13 | 25° 4'02 | 13♒12 | 11° 9 | 29°14 | 28°43 | 11°34 | 9°40 | 12°14 | 13°26 | 21°54 | 4°27 | 5°17 | 14°37 | 6°35 | M12 |
| T 13 | 3 48 9 | 26° 4'58 | 26° 7 | 12°41 | 0♐30 | 29°24 | 11°36 | 9°41 | 12°15 | 13°28 | 21°56 | 4°R27 | 5°14 | 14°44 | 6°33 | T 13 |
| W14 | 3 52 6 | 27° 5'54 | 8♓41 | 14°12 | 1°45 | 0♏ 5 | 11°38 | 9°42 | 12°16 | 13°30 | 21°58 | 4°26 | 5°11 | 14°51 | 6°32 | W14 |
| T 15 | 3 56 2 | 28° 6'51 | 20°59 | 15°44 | 3° 1 | 0°46 | 11°39 | 9°42 | 12°18 | 13°33 | 22° 0 | 4°24 | 5° 8 | 14°58 | 6°30 | T 15 |
| F 16 | 3 59 59 | 29° 7'49 | 3♈ 5 | 17°17 | 4°16 | 1°26 | 11°41 | 9°43 | 12°19 | 13°35 | 22° 2 | 4°18 | 5° 5 | 15° 4 | 6°29 | F 16 |
| S 17 | 4 3 55 | 0♐ 8'48 | 15° 3 | 18°49 | 5°32 | 2° 7 | 11°42 | 9°44 | 12°21 | 13°37 | 22° 4 | 4°11 | 5° 1 | 15°11 | 6°27 | S 17 |
| S 18 | 4 7 52 | 1° 9'47 | 26°56 | 20°22 | 6°47 | 2°48 | 11°43 | 9°45 | 12°22 | 13°39 | 22° 6 | 4° 0 | 4°58 | 15°18 | 6°26 | S 18 |
| M19 | 4 11 48 | 2°10'48 | 8♉49 | 21°55 | 8° 3 | 3°29 | 11°44 | 9°46 | 12°24 | 13°41 | 22° 8 | 3°48 | 4°55 | 15°24 | 6°25 | M19 |
| T 20 | 4 15 45 | 3°11'49 | 20°41 | 23°27 | 9°18 | 4°10 | 11°44 | 9°48 | 12°26 | 13°44 | 22°10 | 3°36 | 4°52 | 15°31 | 6°24 | T 20 |
| W21 | 4 19 42 | 4°12'51 | 2♊36 | 25° 0 | 10°33 | 4°51 | 11°45 | 9°49 | 12°27 | 13°46 | 22°12 | 3°24 | 4°49 | 15°38 | 6°22 | W21 |
| T 22 | 4 23 38 | 5°13'54 | 14°33 | 26°33 | 11°49 | 5°32 | 11°45 | 9°51 | 12°29 | 13°48 | 22°14 | 3°13 | 4°46 | 15°45 | 6°21 | T 22 |
| F 23 | 4 27 35 | 6°14'57 | 26°36 | 28° 7 | 13° 4 | 6°13 | 11°R45 | 9°52 | 12°31 | 13°50 | 22°16 | 3° 5 | 4°42 | 15°51 | 6°20 | F 23 |
| S 24 | 4 31 31 | 7°16'02 | 8♋44 | 29°40 | 14°20 | 6°54 | 11°45 | 9°54 | 12°33 | 13°53 | 22°18 | 2°59 | 4°39 | 15°58 | 6°19 | S 24 |
| S 25 | 4 35 28 | 8°17'07 | 21° 1 | 1♐13 | 15°35 | 7°35 | 11°44 | 9°56 | 12°35 | 13°55 | 22°20 | 2°56 | 4°36 | 16° 5 | 6°18 | S 25 |
| M26 | 4 39 24 | 9°18'13 | 3♌28 | 2°47 | 16°51 | 8°16 | 11°44 | 9°58 | 12°37 | 13°57 | 22°22 | 2°D55 | 4°33 | 16°11 | 6°17 | M26 |
| T 27 | 4 43 21 | 10°19'20 | 16° 9 | 4°20 | 18° 6 | 8°57 | 11°43 | 10° 0 | 12°39 | 14° 0 | 22°23 | 2°56 | 4°30 | 16°18 | 6°16 | T 27 |
| W28 | 4 47 18 | 11°20'28 | 29° 7 | 5°54 | 19°21 | 9°39 | 11°42 | 10° 2 | 12°41 | 14° 2 | 22°25 | 2°57 | 4°27 | 16°25 | 6°16 | W28 |
| T 29 | 4 51 14 | 12°21'36 | 12♍26 | 7°28 | 20°37 | 10°20 | 11°41 | 10° 4 | 12°43 | 14° 4 | 22°27 | 2°R58 | 4°23 | 16°32 | 6°15 | T 29 |
| F 30 | 4 55 11 | 13♐22'45 | 26♍ 8 | 9♐ 2 | 21♐52 | 11♏ 1 | 11♌40 | 10♓ 6 | 12♒45 | 14♐ 6 | 22♎29 | 2♌57 | 4♌20 | 16♉38 | 6♈14 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s 6 | 12n38 | 2n19 | 7s48 | 2n11 | 16s 4 | 0n30 | 7s43 | 0n41 | 18n14 | 0n42 | 10s 6 | 2s18 | 17s57 | 0s42 | 21s11 | 1n19 | 6n38 | 16n13 | 18n58 | 18n54 | 11n 4 | 5n17 | 2n45 |
| F 2 | 16 24 | 8 17 | 3 19 | 8 21 | 2 7 | 16 28 | 0 28 | 7 59 | 0 40 | 18 13 | 0 42 | 10 7 | 2 18 | 17 57 | 0 42 | 21 11 | 1 19 | 6 37 | 16 14 | 18 59 | 18 55 | 11 7 | 5 16 | 2 44 |
| S 3 | 16 42 | 3 20 | 4 9 | 8 54 | 2 2 | 16 52 | 0 25 | 8 14 | 0 40 | 18 12 | 0 43 | 10 7 | 2 18 | 17 57 | 0 42 | 21 11 | 1 19 | 6 36 | 16 14 | 19 0 | 18 56 | 11 9 | 5 15 | 2 44 |
| S 4 | 16 59 | 1s58 | 4 44 | 9 28 | 1 57 | 17 15 | 0 23 | 8 30 | 0 39 | 18 12 | 0 43 | 10 7 | 2 18 | 17 56 | 0 42 | 21 11 | 1 19 | 6 36 | 16 14 | 19 2 | 18 57 | 11 11 | 5 14 | 2 44 |
| M 5 | 17 17 | 7 15 | 5 0 | 10 3 | 1 52 | 17 37 | 0 21 | 8 45 | 0 39 | 18 11 | 0 43 | 10 7 | 2 18 | 17 56 | 0 42 | 21 12 | 1 19 | 6 35 | 16 14 | 19 5 | 18 57 | 11 13 | 5 13 | 2 44 |
| T 6 | 17 33 | 12 9 | 4 55 | 10 38 | 1 46 | 17 59 | 0 18 | 9 0 | 0 38 | 18 10 | 0 43 | 10 6 | 2 17 | 17 56 | 0 42 | 21 12 | 1 19 | 6 35 | 16 14 | 19 8 | 18 58 | 11 15 | 5 12 | 2 44 |
| W 7 | 17 50 | 16 16 | 4 28 | 11 14 | 1 40 | 18 21 | 0 16 | 9 16 | 0 38 | 18 10 | 0 43 | 10 6 | 2 17 | 17 55 | 0 42 | 21 12 | 1 19 | 6 34 | 16 15 | 19 10 | 18 59 | 11 17 | 5 11 | 2 44 |
| T 8 | 18 6 | 19 13 | 3 43 | 11 50 | 1 34 | 18 42 | 0 14 | 9 31 | 0 38 | 18 9 | 0 44 | 10 6 | 2 17 | 17 55 | 0 42 | 21 13 | 1 19 | 6 33 | 16 15 | 19 12 | 19 0 | 11 19 | 5 10 | 2 43 |
| F 9 | 18 22 | 20 49 | 2 44 | 12 25 | 1 27 | 19 3 | 0 11 | 9 46 | 0 37 | 18 9 | 0 44 | 10 6 | 2 17 | 17 55 | 0 42 | 21 13 | 1 19 | 6 33 | 16 15 | 19 14 | 19 1 | 11 21 | 5 9 | 2 43 |
| S 10 | 18 38 | 21 1 | 1 36 | 13 1 | 1 21 | 19 23 | 0 9 | 10 1 | 0 37 | 18 8 | 0 44 | 10 6 | 2 17 | 17 54 | 0 42 | 21 13 | 1 19 | 6 32 | 16 15 | 19 15 | 19 1 | 11 23 | 5 8 | 2 43 |
| S 11 | 18 53 | 19 54 | 0 24 | 13 36 | 1 14 | 19 43 | 0 7 | 10 16 | 0 36 | 18 8 | 0 44 | 10 5 | 2 16 | 17 54 | 0 42 | 21 13 | 1 19 | 6 32 | 16 16 | 19 15 | 19 2 | 11 25 | 5 8 | 2 43 |
| M12 | 19 8 | 17 41 | 0s46 | 14 11 | 1 7 | 20 2 | 0 4 | 10 31 | 0 36 | 18 7 | 0 45 | 10 5 | 2 16 | 17 53 | 0 42 | 21 14 | 1 19 | 6 31 | 16 16 | 19 15 | 19 3 | 11 27 | 5 7 | 2 43 |
| T 13 | 19 23 | 14 38 | 1 53 | 14 46 | 1 0 | 20 20 | 0 2 | 10 46 | 0 35 | 18 7 | 0 45 | 10 5 | 2 16 | 17 53 | 0 42 | 21 14 | 1 19 | 6 31 | 16 16 | 19 15 | 19 4 | 11 29 | 5 6 | 2 42 |
| W14 | 19 37 | 11 0 | 2 51 | 15 20 | 0 53 | 20 38 | 0s 1 | 11 1 | 0 35 | 18 7 | 0 45 | 10 4 | 2 16 | 17 53 | 0 42 | 21 14 | 1 19 | 6 30 | 16 16 | 19 15 | 19 4 | 11 32 | 5 5 | 2 42 |
| T 15 | 19 51 | 6 58 | 3 41 | 15 54 | 0 46 | 20 55 | 0 3 | 11 16 | 0 34 | 18 6 | 0 45 | 10 4 | 2 16 | 17 52 | 0 42 | 21 15 | 1 19 | 6 30 | 16 17 | 19 16 | 19 5 | 11 34 | 5 4 | 2 42 |
| F 16 | 20 4 | 2 44 | 4 20 | 16 27 | 0 39 | 21 12 | 0 5 | 11 31 | 0 34 | 18 6 | 0 46 | 10 3 | 2 15 | 17 52 | 0 42 | 21 15 | 1 19 | 6 29 | 16 17 | 19 17 | 19 6 | 11 36 | 5 4 | 2 42 |
| S 17 | 20 17 | 1n33 | 4 46 | 17 0 | 0 32 | 21 28 | 0 8 | 11 45 | 0 33 | 18 6 | 0 46 | 10 3 | 2 15 | 17 51 | 0 42 | 21 15 | 1 19 | 6 29 | 16 17 | 19 19 | 19 7 | 11 38 | 5 3 | 2 42 |
| S 18 | 20 30 | 5 46 | 5 1 | 17 32 | 0 25 | 21 44 | 0 10 | 12 0 | 0 33 | 18 6 | 0 46 | 10 2 | 2 15 | 17 51 | 0 42 | 21 15 | 1 19 | 6 28 | 16 18 | 19 21 | 19 8 | 11 40 | 5 2 | 2 42 |
| M19 | 20 43 | 9 45 | 5 2 | 18 3 | 0 18 | 21 58 | 0 13 | 12 14 | 0 32 | 18 6 | 0 46 | 10 1 | 2 15 | 17 50 | 0 42 | 21 16 | 1 19 | 6 28 | 16 18 | 19 24 | 19 8 | 11 42 | 5 2 | 2 41 |
| T 20 | 20 55 | 13 22 | 4 50 | 18 34 | 0 11 | 22 13 | 0 15 | 12 29 | 0 32 | 18 6 | 0 47 | 10 1 | 2 15 | 17 50 | 0 42 | 21 16 | 1 19 | 6 28 | 16 18 | 19 27 | 19 9 | 11 44 | 5 1 | 2 41 |
| W21 | 21 6 | 16 27 | 4 25 | 19 3 | 0 4 | 22 26 | 0 17 | 12 43 | 0 31 | 18 6 | 0 47 | 10 0 | 2 14 | 17 49 | 0 42 | 21 16 | 1 19 | 6 27 | 16 19 | 19 30 | 19 10 | 11 46 | 5 0 | 2 41 |
| T 22 | 21 17 | 18 53 | 3 49 | 19 32 | 0s 3 | 22 39 | 0 20 | 12 57 | 0 31 | 18 7 | 0 47 | 9 59 | 2 14 | 17 49 | 0 42 | 21 17 | 1 19 | 6 27 | 16 19 | 19 32 | 19 11 | 11 48 | 5 0 | 2 41 |
| F 23 | 21 28 | 20 30 | 3 2 | 20 0 | 0 10 | 22 51 | 0 22 | 13 11 | 0 30 | 18 7 | 0 47 | 9 59 | 2 14 | 17 48 | 0 41 | 21 17 | 1 19 | 6 27 | 16 19 | 19 34 | 19 11 | 11 50 | 4 59 | 2 41 |
| S 24 | 21 38 | 21 11 | 2 6 | 20 27 | 0 16 | 23 3 | 0 24 | 13 26 | 0 30 | 18 7 | 0 48 | 9 58 | 2 14 | 17 48 | 0 41 | 21 17 | 1 19 | 6 26 | 16 20 | 19 36 | 19 12 | 11 52 | 4 58 | 2 40 |
| S 25 | 21 48 | 20 52 | 1 4 | 20 53 | 0 23 | 23 14 | 0 27 | 13 39 | 0 29 | 18 7 | 0 48 | 9 57 | 2 14 | 17 47 | 0 41 | 21 17 | 1 19 | 6 26 | 16 20 | 19 36 | 19 13 | 11 54 | 4 58 | 2 40 |
| M26 | 21 58 | 19 32 | 0n 3 | 21 18 | 0 29 | 23 24 | 0 29 | 13 53 | 0 28 | 18 8 | 0 48 | 9 56 | 2 13 | 17 46 | 0 41 | 21 18 | 1 19 | 6 26 | 16 20 | 19 37 | 19 14 | 11 56 | 4 57 | 2 40 |
| T 27 | 22 7 | 17 12 | 1 11 | 21 43 | 0 36 | 23 33 | 0 31 | 14 7 | 0 28 | 18 8 | 0 48 | 9 55 | 2 13 | 17 46 | 0 41 | 21 18 | 1 19 | 6 25 | 16 21 | 19 36 | 19 14 | 11 59 | 4 57 | 2 40 |
| W28 | 22 16 | 13 58 | 2 16 | 22 6 | 0 42 | 23 42 | 0 34 | 14 21 | 0 27 | 18 9 | 0 49 | 9 54 | 2 13 | 17 45 | 0 41 | 21 18 | 1 19 | 6 25 | 16 21 | 19 36 | 19 15 | 12 1 | 4 56 | 2 40 |
| T 29 | 22 24 | 9 57 | 3 16 | 22 28 | 0 48 | 23 50 | 0 36 | 14 34 | 0 27 | 18 9 | 0 49 | 9 53 | 2 13 | 17 45 | 0 41 | 21 19 | 1 19 | 6 25 | 16 22 | 19 36 | 19 16 | 12 3 | 4 56 | 2 39 |
| F 30 | 22s32 | 5n19 | 4n 7 | 22s49 | 0s54 | 23s57 | 0s38 | 14s48 | 0n26 | 18n10 | 0n49 | 9s52 | 2s13 | 17s44 | 0s41 | 21s19 | 1n19 | 6n25 | 16n22 | 19n36 | 19n17 | 12n 5 | 4n55 | 2n39 |

Julian Day Number = 2084420.5, Delta T = 24m48s
Ecliptic obliquity = 23°34'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'50, Lahiri = 9°50'51 Julian Calendar 1 Nov. 994 == Greg. Calendar 6 Nov. 994


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# ASTRODIENST EPHEMERIS for the year 994
# geocentric

## DECEMBER 994 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 59 7 | 14♐23'56 | 10♎15 | 10♐36 | 23♐ 8 | 11♏42 | 11°R38 | 10♓ 9 | 12♒47 | 14♐ 9 | 22♎30 | 2°R54 | 4♌17 | 16♉45 | 6°R13 | S 1 |
| S 2 | 5 3 4 | 15°25'06 | 24°46 | 12°11 | 24°23 | 12°24 | 11♌36 | 10°11 | 12°49 | 14°11 | 22°32 | 2♌49 | 4°14 | 16°52 | 6♈13 | S 2 |
| M 3 | 5 7 0 | 16°26'18 | 9♏37 | 13°45 | 25°38 | 13° 5 | 11°34 | 10°14 | 12°52 | 14°13 | 22°34 | 2°43 | 4°11 | 16°58 | 6°12 | M 3 |
| T 4 | 5 10 57 | 17°27'30 | 24°41 | 15°20 | 26°54 | 13°46 | 11°32 | 10°17 | 12°54 | 14°15 | 22°35 | 2°35 | 4° 7 | 17° 5 | 6°12 | T 4 |
| W 5 | 5 14 53 | 18°28'43 | 9♐50 | 16°55 | 28° 9 | 14°28 | 11°30 | 10°19 | 12°56 | 14°18 | 22°37 | 2°28 | 4° 4 | 17°12 | 6°11 | W 5 |
| T 6 | 5 18 50 | 19°29'56 | 24°53 | 18°31 | 29°25 | 15° 9 | 11°27 | 10°22 | 12°58 | 14°20 | 22°38 | 2°22 | 4° 1 | 17°19 | 6°11 | T 6 |
| F 7 | 5 22 47 | 20°31'09 | 9♑40 | 20° 6 | 0♑40 | 15°51 | 11°25 | 10°25 | 13° 1 | 14°22 | 22°40 | 2°18 | 3°58 | 17°25 | 6°11 | F 7 |
| S 8 | 5 26 43 | 21°32'22 | 24° 4 | 21°42 | 1°55 | 16°32 | 11°22 | 10°29 | 13° 3 | 14°24 | 22°42 | 2°16 | 3°55 | 17°32 | 6°10 | S 8 |
| S 9 | 5 30 40 | 22°33'36 | 8♒ 1 | 23°18 | 3°11 | 17°14 | 11°19 | 10°32 | 13° 6 | 14°27 | 22°43 | 2°D16 | 3°52 | 17°39 | 6°10 | S 9 |
| M10 | 5 34 36 | 23°34'49 | 21°31 | 24°55 | 4°26 | 17°55 | 11°15 | 10°35 | 13° 8 | 14°29 | 22°44 | 2°17 | 3°48 | 17°46 | 6°10 | M10 |
| T 11 | 5 38 33 | 24°36'02 | 4♓34 | 26°32 | 5°41 | 18°37 | 11°12 | 10°39 | 13°11 | 14°31 | 22°46 | 2°19 | 3°45 | 17°52 | 6°10 | T 11 |
| W12 | 5 42 29 | 25°37'14 | 17°14 | 28° 9 | 6°57 | 19°18 | 11° 8 | 10°42 | 13°13 | 14°33 | 22°47 | 2°20 | 3°42 | 17°59 | 6°D10 | W12 |
| T 13 | 5 46 26 | 26°38'27 | 29°35 | 29°46 | 8°12 | 20° 0 | 11° 4 | 10°46 | 13°16 | 14°36 | 22°49 | 2°R20 | 3°39 | 18° 6 | 6°10 | T 13 |
| F 14 | 5 50 22 | 27°39'39 | 11♈41 | 1♑24 | 9°27 | 20°42 | 11° 0 | 10°49 | 13°19 | 14°38 | 22°50 | 2°19 | 3°36 | 18°12 | 6°10 | F 14 |
| S 15 | 5 54 19 | 28°40'50 | 23°39 | 3° 2 | 10°43 | 21°23 | 10°56 | 10°53 | 13°21 | 14°40 | 22°51 | 2°17 | 3°33 | 18°19 | 6°10 | S 15 |
| S 16 | 5 58 16 | 29°42'02 | 5♉31 | 4°40 | 11°58 | 22° 5 | 10°52 | 10°57 | 13°24 | 14°42 | 22°53 | 2°12 | 3°29 | 18°26 | 6°10 | S 16 |
| M17 | 6 2 12 | 0♑43'13 | 17°22 | 6°19 | 13°13 | 22°47 | 10°47 | 11° 1 | 13°27 | 14°45 | 22°54 | 2° 7 | 3°26 | 18°33 | 6°10 | M17 |
| T 18 | 6 6 9 | 1°44'24 | 29°16 | 7°58 | 14°29 | 23°29 | 10°42 | 11° 5 | 13°30 | 14°47 | 22°55 | 2° 1 | 3°23 | 18°39 | 6°11 | T 18 |
| W19 | 6 10 5 | 2°45'34 | 11♊14 | 9°37 | 15°44 | 24°10 | 10°38 | 11° 9 | 13°32 | 14°49 | 22°56 | 1°56 | 3°20 | 18°46 | 6°11 | W19 |
| T 20 | 6 14 2 | 3°46'44 | 23°19 | 11°17 | 16°59 | 24°52 | 10°33 | 11°14 | 13°35 | 14°51 | 22°57 | 1°51 | 3°17 | 18°53 | 6°12 | T 20 |
| F 21 | 6 17 58 | 4°47'54 | 5♋32 | 12°57 | 18°14 | 25°34 | 10°27 | 11°18 | 13°38 | 14°53 | 22°58 | 1°47 | 3°13 | 18°59 | 6°12 | F 21 |
| S 22 | 6 21 55 | 5°49'03 | 17°54 | 14°37 | 19°30 | 26°16 | 10°22 | 11°22 | 13°41 | 14°55 | 22°59 | 1°45 | 3°10 | 19° 6 | 6°12 | S 22 |
| S 23 | 6 25 51 | 6°50'12 | 0♌27 | 16°17 | 20°45 | 26°58 | 10°17 | 11°27 | 13°44 | 14°58 | 23° 0 | 1°D44 | 3° 7 | 19°13 | 6°13 | S 23 |
| M24 | 6 29 48 | 7°51'21 | 13°11 | 17°58 | 22° 0 | 27°40 | 10°11 | 11°31 | 13°47 | 15° 0 | 23° 1 | 1°44 | 3° 4 | 19°20 | 6°14 | M24 |
| T 25 | 6 33 45 | 8°52'29 | 26° 8 | 19°38 | 23°15 | 28°22 | 10° 5 | 11°36 | 13°50 | 15° 2 | 23° 2 | 1°46 | 3° 1 | 19°26 | 6°14 | T 25 |
| W26 | 6 37 41 | 9°53'37 | 9♍19 | 21°19 | 24°30 | 29° 4 | 9°59 | 11°41 | 13°53 | 15° 4 | 23° 3 | 1°47 | 2°58 | 19°33 | 6°15 | W26 |
| T 27 | 6 41 38 | 10°54'45 | 22°44 | 22°59 | 25°46 | 29°46 | 9°53 | 11°46 | 13°56 | 15° 6 | 23° 4 | 1°49 | 2°54 | 19°40 | 6°16 | T 27 |
| F 28 | 6 45 34 | 11°55'53 | 6♎26 | 24°39 | 27° 1 | 0♐28 | 9°47 | 11°50 | 13°59 | 15° 8 | 23° 5 | 1°R50 | 2°51 | 19°46 | 6°17 | F 28 |
| S 29 | 6 49 31 | 12°57'00 | 20°24 | 26°18 | 28°16 | 1°10 | 9°41 | 11°55 | 14° 2 | 15°10 | 23° 6 | 1°49 | 2°48 | 19°53 | 6°18 | S 29 |
| S 30 | 6 53 27 | 13°58'07 | 4♏39 | 27°57 | 29°31 | 1°52 | 9°34 | 12° 0 | 14° 5 | 15°12 | 23° 7 | 1°48 | 2°45 | 20° 0 | 6°19 | S 30 |
| M31 | 6 57 24 | 14♑59'13 | 19♏ 7 | 29♑35 | 0♒46 | 2♐35 | 9♌28 | 12♓ 6 | 14♒ 8 | 15♐14 | 23♎ 8 | 1♌47 | 2♌42 | 20♉ 7 | 6♈20 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s39 | 0n17 | 4n44 | 23s 9 | 1s 0 | 24s 4 | 0s40 | 15s 1 | 0n26 | 18n11 | 0n49 | 9s51 | 2s12 | 17s43 | 0s41 | 21s19 | 1n19 | 6n24 | 16n22 | 19n37 | 19n17 | 12n 7 | 4n55 | 2n39 |
| S 2 | 22 46 | 4s55 | 5 5 | 23 28 | 1 6 | 24 9 | 0 42 | 15 14 | 0 25 | 18 11 | 0 50 | 9 50 | 2 12 | 17 43 | 0 41 | 21 19 | 1 19 | 6 24 | 16 23 | 19 38 | 19 18 | 12 9 | 4 55 | 2 39 |
| M 3 | 22 52 | 9 56 | 5 6 | 23 45 | 1 11 | 24 14 | 0 45 | 15 28 | 0 25 | 18 12 | 0 50 | 9 48 | 2 12 | 17 42 | 0 41 | 21 20 | 1 19 | 6 24 | 16 23 | 19 40 | 19 19 | 12 11 | 4 54 | 2 39 |
| T 4 | 22 58 | 14 25 | 4 46 | 24 1 | 1 16 | 24 19 | 0 47 | 15 41 | 0 24 | 18 13 | 0 50 | 9 47 | 2 12 | 17 41 | 0 41 | 21 20 | 1 19 | 6 24 | 16 24 | 19 41 | 19 20 | 12 13 | 4 54 | 2 38 |
| W 5 | 23 4 | 18 0 | 4 5 | 24 16 | 1 22 | 24 22 | 0 49 | 15 53 | 0 23 | 18 14 | 0 50 | 9 46 | 2 12 | 17 41 | 0 41 | 21 20 | 1 19 | 6 23 | 16 24 | 19 43 | 19 20 | 12 15 | 4 53 | 2 38 |
| T 6 | 23 9 | 20 20 | 3 8 | 24 30 | 1 26 | 24 25 | 0 51 | 16 6 | 0 23 | 18 15 | 0 51 | 9 45 | 2 11 | 17 40 | 0 41 | 21 20 | 1 19 | 6 23 | 16 25 | 19 44 | 19 21 | 12 17 | 4 53 | 2 38 |
| F 7 | 23 14 | 21 14 | 1 59 | 24 43 | 1 31 | 24 27 | 0 53 | 16 19 | 0 22 | 18 16 | 0 51 | 9 43 | 2 11 | 17 39 | 0 41 | 21 21 | 1 19 | 6 23 | 16 25 | 19 45 | 19 22 | 12 19 | 4 53 | 2 38 |
| S 8 | 23 18 | 20 41 | 0 44 | 24 54 | 1 36 | 24 28 | 0 55 | 16 31 | 0 22 | 18 17 | 0 51 | 9 42 | 2 11 | 17 39 | 0 41 | 21 21 | 1 19 | 6 23 | 16 25 | 19 46 | 19 23 | 12 21 | 4 52 | 2 38 |
| S 9 | 23 21 | 18 52 | 0s31 | 25 4 | 1 40 | 24 29 | 0 57 | 16 44 | 0 21 | 18 18 | 0 51 | 9 41 | 2 11 | 17 38 | 0 41 | 21 21 | 1 19 | 6 23 | 16 26 | 19 46 | 19 24 | 12 23 | 4 52 | 2 37 |
| M10 | 23 25 | 16 2 | 1 43 | 25 12 | 1 44 | 24 28 | 0 59 | 16 56 | 0 20 | 18 19 | 0 52 | 9 39 | 2 11 | 17 37 | 0 41 | 21 22 | 1 19 | 6 23 | 16 26 | 19 45 | 19 24 | 12 25 | 4 52 | 2 37 |
| T 11 | 23 27 | 12 28 | 2 47 | 25 19 | 1 47 | 24 27 | 1 1 | 17 8 | 0 20 | 18 20 | 0 52 | 9 38 | 2 11 | 17 36 | 0 41 | 21 22 | 1 19 | 6 23 | 16 27 | 19 45 | 19 25 | 12 27 | 4 52 | 2 37 |
| W12 | 23 30 | 8 27 | 3 40 | 25 24 | 1 51 | 24 25 | 1 2 | 17 20 | 0 19 | 18 22 | 0 52 | 9 36 | 2 10 | 17 36 | 0 41 | 21 22 | 1 19 | 6 23 | 16 27 | 19 45 | 19 26 | 12 29 | 4 51 | 2 37 |
| T 13 | 23 32 | 4 11 | 4 22 | 25 28 | 1 54 | 24 23 | 1 4 | 17 32 | 0 19 | 18 23 | 0 52 | 9 35 | 2 10 | 17 35 | 0 41 | 21 22 | 1 19 | 6 23 | 16 28 | 19 45 | 19 27 | 12 31 | 4 51 | 2 37 |
| F 14 | 23 33 | 0n10 | 4 52 | 25 30 | 1 57 | 24 20 | 1 6 | 17 44 | 0 18 | 18 24 | 0 53 | 9 33 | 2 10 | 17 34 | 0 41 | 21 23 | 1 19 | 6 23 | 16 28 | 19 45 | 19 27 | 12 33 | 4 51 | 2 36 |
| S 15 | 23 34 | 4 27 | 5 8 | 25 31 | 1 59 | 24 15 | 1 8 | 17 56 | 0 17 | 18 26 | 0 53 | 9 31 | 2 10 | 17 33 | 0 41 | 21 23 | 1 19 | 6 23 | 16 29 | 19 46 | 19 28 | 12 35 | 4 51 | 2 36 |
| S 16 | 23 34 | 8 32 | 5 11 | 25 31 | 2 2 | 24 11 | 1 9 | 18 7 | 0 17 | 18 27 | 0 53 | 9 30 | 2 10 | 17 32 | 0 41 | 21 23 | 1 19 | 6 23 | 16 29 | 19 46 | 19 29 | 12 38 | 4 51 | 2 36 |
| M17 | 23 34 | 12 18 | 5 1 | 25 28 | 2 3 | 24 5 | 1 11 | 18 18 | 0 16 | 18 28 | 0 53 | 9 28 | 2 10 | 17 32 | 0 41 | 21 23 | 1 19 | 6 23 | 16 30 | 19 48 | 19 29 | 12 40 | 4 51 | 2 36 |
| T 18 | 23 33 | 15 35 | 4 37 | 25 24 | 2 5 | 23 59 | 1 13 | 18 30 | 0 16 | 18 30 | 0 53 | 9 26 | 2 9 | 17 31 | 0 41 | 21 24 | 1 19 | 6 23 | 16 30 | 19 49 | 19 30 | 12 42 | 4 51 | 2 36 |
| W19 | 23 32 | 18 15 | 4 2 | 25 18 | 2 6 | 23 52 | 1 14 | 18 41 | 0 15 | 18 32 | 0 54 | 9 25 | 2 9 | 17 30 | 0 41 | 21 24 | 1 19 | 6 23 | 16 31 | 19 50 | 19 31 | 12 44 | 4 51 | 2 35 |
| T 20 | 23 31 | 20 9 | 3 15 | 25 11 | 2 6 | 23 44 | 1 15 | 18 51 | 0 14 | 18 33 | 0 54 | 9 23 | 2 9 | 17 29 | 0 41 | 21 24 | 1 19 | 6 23 | 16 31 | 19 51 | 19 32 | 12 46 | 4 51 | 2 35 |
| F 21 | 23 29 | 21 8 | 2 19 | 25 2 | 2 7 | 23 35 | 1 17 | 19 2 | 0 14 | 18 35 | 0 54 | 9 21 | 2 9 | 17 28 | 0 41 | 21 24 | 1 19 | 6 23 | 16 32 | 19 52 | 19 32 | 12 48 | 4 51 | 2 35 |
| S 22 | 23 26 | 21 7 | 1 15 | 24 51 | 2 6 | 23 26 | 1 18 | 19 13 | 0 13 | 18 36 | 0 54 | 9 19 | 2 9 | 17 27 | 0 41 | 21 24 | 1 19 | 6 23 | 16 32 | 19 53 | 19 33 | 12 50 | 4 51 | 2 35 |
| S 23 | 23 23 | 20 3 | 0 7 | 24 39 | 2 5 | 23 16 | 1 20 | 19 23 | 0 12 | 18 38 | 0 55 | 9 17 | 2 9 | 17 27 | 0 41 | 21 25 | 1 19 | 6 23 | 16 33 | 19 53 | 19 34 | 12 52 | 4 51 | 2 35 |
| M24 | 23 20 | 17 57 | 1n 3 | 24 24 | 2 4 | 23 5 | 1 21 | 19 33 | 0 12 | 18 40 | 0 55 | 9 15 | 2 8 | 17 26 | 0 41 | 21 25 | 1 19 | 6 23 | 16 33 | 19 53 | 19 35 | 12 54 | 4 51 | 2 34 |
| T 25 | 23 16 | 14 55 | 2 10 | 24 8 | 2 2 | 22 54 | 1 22 | 19 44 | 0 11 | 18 42 | 0 55 | 9 13 | 2 8 | 17 25 | 0 41 | 21 25 | 1 19 | 6 23 | 16 34 | 19 52 | 19 35 | 12 56 | 4 51 | 2 34 |
| W26 | 23 12 | 11 5 | 3 12 | 23 50 | 2 0 | 22 42 | 1 23 | 19 53 | 0 10 | 18 44 | 0 55 | 9 11 | 2 8 | 17 24 | 0 41 | 21 25 | 1 19 | 6 23 | 16 34 | 19 52 | 19 36 | 12 58 | 4 51 | 2 34 |
| T 27 | 23 7 | 6 39 | 4 5 | 23 31 | 1 57 | 22 29 | 1 24 | 20 3 | 0 10 | 18 45 | 0 55 | 9 10 | 2 8 | 17 23 | 0 41 | 21 26 | 1 19 | 6 24 | 16 35 | 19 52 | 19 37 | 13 0 | 4 51 | 2 34 |
| F 28 | 23 2 | 1 48 | 4 45 | 23 10 | 1 53 | 22 16 | 1 25 | 20 13 | 0 9 | 18 47 | 0 56 | 9 7 | 2 8 | 17 22 | 0 41 | 21 26 | 1 19 | 6 24 | 16 35 | 19 52 | 19 38 | 13 2 | 4 51 | 2 34 |
| S 29 | 22 56 | 3s14 | 5 9 | 22 47 | 1 49 | 22 2 | 1 26 | 20 22 | 0 8 | 18 49 | 0 56 | 9 5 | 2 8 | 17 21 | 0 41 | 21 26 | 1 19 | 6 24 | 16 36 | 19 52 | 19 38 | 13 4 | 4 51 | 2 33 |
| S 30 | 22 50 | 8 11 | 5 15 | 22 23 | 1 44 | 21 47 | 1 27 | 20 32 | 0 7 | 18 51 | 0 56 | 9 3 | 2 7 | 17 20 | 0 41 | 21 26 | 1 19 | 6 24 | 16 36 | 19 52 | 19 39 | 13 6 | 4 52 | 2 33 |
| M31 | 22s43 | 12s46 | 5n 1 | 21s57 | 1s38 | 21s31 | 1s28 | 20s41 | 0n 7 | 18n53 | 0n56 | 9s 1 | 2s 7 | 17s19 | 0s41 | 21s26 | 1n19 | 6n24 | 16n37 | 19n52 | 19n40 | 13n 8 | 4n52 | 2n33 |

Julian Day Number = 2084450.5, Delta T = 24m48s
Ecliptic obliquity = 23°34'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'55, Lahiri = 9°50'55 Julian Calendar 1 Dec. 994 == Greg. Calendar 6 Dec. 994


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## JANUARY 995 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 7 1 20 | 16♉ 0'19 | 3♐45 | 1♒11 | 2♒ 1 | 3♐17 | 9°R21 | 12♓11 | 14♒11 | 15♐16 | 23♎ 8 | 1°R45 | 2♌38 | 20♉13 | 6♈21 | T 1 |
| W 2 | 7 5 17 | 17° 1'25 | 18°27 | 2°46 | 3°16 | 3°59 | 9♌14 | 12°16 | 14°14 | 15°18 | 23° 9 | 1♌43 | 2°35 | 20°20 | 6°22 | W 2 |
| T 3 | 7 9 14 | 18° 2'30 | 3♉ 6 | 4°19 | 4°31 | 4°41 | 9° 7 | 12°21 | 14°18 | 15°20 | 23°10 | 1°41 | 2°32 | 20°27 | 6°23 | T 3 |
| F 4 | 7 13 10 | 19° 3'34 | 17°36 | 5°50 | 5°46 | 5°24 | 9° 0 | 12°27 | 14°21 | 15°22 | 23°10 | 1°40 | 2°29 | 20°34 | 6°24 | F 4 |
| S 5 | 7 17 7 | 20° 4'38 | 1♒50 | 7°18 | 7° 1 | 6° 6 | 8°53 | 12°32 | 14°24 | 15°24 | 23°11 | 1°D40 | 2°26 | 20°40 | 6°26 | S 5 |
| S 6 | 7 21 3 | 21° 5'40 | 15°44 | 8°42 | 8°16 | 6°48 | 8°46 | 12°38 | 14°27 | 15°26 | 23°11 | 1°40 | 2°23 | 20°47 | 6°27 | S 6 |
| M 7 | 7 25 0 | 22° 6'41 | 29°15 | 10° 3 | 9°31 | 7°31 | 8°38 | 12°43 | 14°31 | 15°28 | 23°12 | 1°41 | 2°19 | 20°54 | 6°28 | M 7 |
| T 8 | 7 28 56 | 23° 7'41 | 12♓23 | 11°19 | 10°46 | 8°13 | 8°31 | 12°49 | 14°34 | 15°30 | 23°12 | 1°42 | 2°16 | 21° 0 | 6°30 | T 8 |
| W 9 | 7 32 53 | 24° 8'40 | 25° 8 | 12°29 | 12° 1 | 8°56 | 8°23 | 12°55 | 14°37 | 15°32 | 23°13 | 1°42 | 2°13 | 21° 7 | 6°31 | W 9 |
| T 10 | 7 36 49 | 25° 9'38 | 7♈35 | 13°33 | 13°16 | 9°38 | 8°16 | 13° 1 | 14°40 | 15°34 | 23°13 | 1°43 | 2°10 | 21°14 | 6°33 | T 10 |
| F 11 | 7 40 46 | 26°10'34 | 19°45 | 14°30 | 14°31 | 10°21 | 8° 8 | 13° 7 | 14°44 | 15°36 | 23°13 | 1°43 | 2° 7 | 21°21 | 6°34 | F 11 |
| S 12 | 7 44 43 | 27°11'29 | 1♉45 | 15°19 | 15°46 | 11° 3 | 8° 1 | 13°13 | 14°47 | 15°37 | 23°14 | 1°R43 | 2° 4 | 21°27 | 6°36 | S 12 |
| S 13 | 7 48 39 | 28°12'22 | 13°38 | 16° 0 | 17° 1 | 11°46 | 7°53 | 13°19 | 14°50 | 15°39 | 23°14 | 1°43 | 2° 0 | 21°34 | 6°38 | S 13 |
| M14 | 7 52 36 | 29°13'14 | 25°30 | 16°31 | 18°16 | 12°28 | 7°45 | 13°25 | 14°54 | 15°41 | 23°14 | 1°43 | 1°57 | 21°41 | 6°39 | M14 |
| T 15 | 7 56 32 | 0♒14'05 | 7♊24 | 16°53 | 19°31 | 13°11 | 7°37 | 13°31 | 14°57 | 15°43 | 23°15 | 1°43 | 1°54 | 21°47 | 6°41 | T 15 |
| W16 | 8 0 29 | 1°14'54 | 19°25 | 17°R 3 | 20°46 | 13°53 | 7°29 | 13°37 | 15° 1 | 15°45 | 23°15 | 1°D43 | 1°51 | 21°54 | 6°43 | W16 |
| T 17 | 8 4 25 | 2°15'42 | 1♋36 | 17° 3 | 22° 0 | 14°36 | 7°22 | 13°43 | 15° 4 | 15°46 | 23°15 | 1°43 | 1°48 | 22° 1 | 6°45 | T 17 |
| F 18 | 8 8 22 | 3°16'28 | 13°59 | 16°52 | 23°15 | 15°19 | 7°14 | 13°49 | 15° 7 | 15°48 | 23°15 | 1°43 | 1°44 | 22° 8 | 6°47 | F 18 |
| S 19 | 8 12 19 | 4°17'13 | 26°37 | 16°30 | 24°30 | 16° 1 | 7° 6 | 13°56 | 15°11 | 15°50 | 23°15 | 1°R43 | 1°41 | 22°14 | 6°49 | S 19 |
| S 20 | 8 16 15 | 5°17'57 | 9♌29 | 15°58 | 25°44 | 16°44 | 6°58 | 14° 2 | 15°14 | 15°51 | 23°R15 | 1°43 | 1°38 | 22°21 | 6°51 | S 20 |
| M21 | 8 20 12 | 6°18'39 | 22°37 | 15°16 | 26°59 | 17°27 | 6°50 | 14° 9 | 15°18 | 15°53 | 23°15 | 1°43 | 1°35 | 22°28 | 6°53 | M21 |
| T 22 | 8 24 8 | 7°19'20 | 5♍58 | 14°25 | 28°14 | 18°10 | 6°42 | 14°15 | 15°21 | 15°54 | 23°15 | 1°42 | 1°32 | 22°34 | 6°55 | T 22 |
| W23 | 8 28 5 | 8°19'59 | 19°33 | 13°28 | 29°28 | 18°53 | 6°34 | 14°22 | 15°25 | 15°56 | 23°15 | 1°41 | 1°29 | 22°41 | 6°57 | W23 |
| T 24 | 8 32 1 | 9°20'37 | 3♎19 | 12°25 | 0♓43 | 19°35 | 6°26 | 14°28 | 15°28 | 15°58 | 23°15 | 1°40 | 1°25 | 22°48 | 6°59 | T 24 |
| F 25 | 8 35 58 | 10°21'14 | 17°15 | 11°18 | 1°57 | 20°18 | 6°18 | 14°35 | 15°31 | 15°59 | 23°15 | 1°39 | 1°22 | 22°55 | 7° 1 | F 25 |
| S 26 | 8 39 54 | 11°21'50 | 1♏18 | 10° 9 | 3°12 | 21° 1 | 6°10 | 14°41 | 15°35 | 16° 1 | 23°15 | 1°39 | 1°19 | 23° 1 | 7° 4 | S 26 |
| S 27 | 8 43 51 | 12°22'24 | 15°27 | 9° 0 | 4°26 | 21°44 | 6° 2 | 14°48 | 15°38 | 16° 2 | 23°14 | 1°D39 | 1°16 | 23° 8 | 7° 6 | S 27 |
| M28 | 8 47 47 | 13°22'58 | 29°40 | 7°53 | 5°41 | 22°27 | 5°54 | 14°55 | 15°42 | 16° 3 | 23°14 | 1°39 | 1°13 | 23°15 | 7° 8 | M28 |
| T 29 | 8 51 44 | 14°23'30 | 13♐55 | 6°48 | 6°55 | 23°10 | 5°47 | 15° 2 | 15°45 | 16° 5 | 23°14 | 1°40 | 1°10 | 23°21 | 7°11 | T 29 |
| W30 | 8 55 41 | 15°24'00 | 28° 9 | 5°49 | 8°10 | 23°53 | 5°39 | 15° 9 | 15°49 | 16° 6 | 23°13 | 1°41 | 1° 6 | 23°28 | 7°13 | W30 |
| T 31 | 8 59 37 | 16♒24'30 | 12♉18 | 4♒55 | 9♓24 | 24♐36 | 5♌31 | 15♓15 | 15♒52 | 16♐ 8 | 23♎13 | 1♌42 | 1♌ 3 | 23♉35 | 7♈16 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | decl | lat |
| T 1 | 22s36 | 16s38 | 4n28 | 21s29 | 1s31 | 21s15 | 1s29 | 20s50 | 0n 6 | 18n55 | 0n56 | 8s59 | 2s 7 | 17s19 | 0s41 | 21s27 | 1n19 | 6n25 | 16n37 | 19n53 | 19n41 | 13n10 | 4n52 | 2n33 |
| W 2 | 22 29 | 19 28 | 3 37 | 21 1 | 1 24 | 20 59 | 1 29 | 20 58 | 0 5 | 18 57 | 0 57 | 8 57 | 2 7 | 17 18 | 0 41 | 21 27 | 1 19 | 6 25 | 16 38 | 19 53 | 19 41 | 13 12 | 4 52 | 2 33 |
| T 3 | 22 21 | 21 0 | 2 32 | 20 31 | 1 16 | 20 41 | 1 30 | 21 7 | 0 5 | 18 59 | 0 57 | 8 55 | 2 7 | 17 17 | 0 41 | 21 27 | 1 19 | 6 25 | 16 39 | 19 54 | 19 42 | 13 14 | 4 53 | 2 32 |
| F 4 | 22 12 | 21 8 | 1 17 | 20 0 | 1 7 | 20 23 | 1 31 | 21 15 | 0 4 | 19 1 | 0 57 | 8 53 | 2 7 | 17 16 | 0 41 | 21 27 | 1 19 | 6 26 | 16 39 | 19 54 | 19 43 | 13 16 | 4 53 | 2 32 |
| S 5 | 22 3 | 19 52 | 0s 1 | 19 28 | 0 57 | 20 5 | 1 31 | 21 23 | 0 3 | 19 3 | 0 57 | 8 50 | 2 7 | 17 15 | 0 41 | 21 27 | 1 19 | 6 26 | 16 40 | 19 54 | 19 43 | 13 18 | 4 53 | 2 32 |
| S 6 | 21 54 | 17 26 | 1 17 | 18 55 | 0 46 | 19 46 | 1 31 | 21 31 | 0 2 | 19 5 | 0 57 | 8 48 | 2 7 | 17 14 | 0 41 | 21 28 | 1 19 | 6 26 | 16 40 | 19 54 | 19 44 | 13 20 | 4 54 | 2 32 |
| M 7 | 21 45 | 14 5 | 2 27 | 18 23 | 0 35 | 19 26 | 1 32 | 21 39 | 0 2 | 19 7 | 0 58 | 8 46 | 2 6 | 17 13 | 0 41 | 21 28 | 1 19 | 6 26 | 16 41 | 19 54 | 19 45 | 13 22 | 4 54 | 2 32 |
| T 8 | 21 34 | 10 8 | 3 27 | 17 50 | 0 22 | 19 6 | 1 32 | 21 47 | 0 1 | 19 10 | 0 58 | 8 43 | 2 6 | 17 12 | 0 41 | 21 28 | 1 19 | 6 27 | 16 41 | 19 53 | 19 46 | 13 24 | 4 54 | 2 31 |
| W 9 | 21 24 | 5 50 | 4 15 | 17 17 | 0 8 | 18 45 | 1 32 | 21 54 | 0 0 | 19 12 | 0 58 | 8 41 | 2 6 | 17 11 | 0 41 | 21 28 | 1 19 | 6 27 | 16 42 | 19 53 | 19 46 | 13 26 | 4 55 | 2 31 |
| T 10 | 21 13 | 1 25 | 4 50 | 16 45 | 0n 6 | 18 24 | 1 33 | 22 1 | 0s 1 | 19 14 | 0 58 | 8 39 | 2 6 | 17 10 | 0 41 | 21 28 | 1 19 | 6 28 | 16 42 | 19 53 | 19 47 | 13 28 | 4 55 | 2 31 |
| F 11 | 21 2 | 2n59 | 5 10 | 16 14 | 0 21 | 18 2 | 1 33 | 22 8 | 0 1 | 19 16 | 0 58 | 8 36 | 2 6 | 17 9 | 0 41 | 21 29 | 1 19 | 6 28 | 16 43 | 19 53 | 19 48 | 13 30 | 4 56 | 2 31 |
| S 12 | 20 50 | 7 11 | 5 17 | 15 44 | 0 37 | 17 40 | 1 33 | 22 15 | 0 2 | 19 18 | 0 58 | 8 34 | 2 6 | 17 8 | 0 41 | 21 29 | 1 19 | 6 28 | 16 43 | 19 53 | 19 48 | 13 32 | 4 56 | 2 31 |
| S 13 | 20 38 | 11 5 | 5 10 | 15 17 | 0 53 | 17 17 | 1 33 | 22 22 | 0 3 | 19 20 | 0 58 | 8 32 | 2 6 | 17 7 | 0 41 | 21 29 | 1 19 | 6 29 | 16 44 | 19 53 | 19 49 | 13 34 | 4 57 | 2 30 |
| M14 | 20 25 | 14 32 | 4 50 | 14 51 | 1 10 | 16 54 | 1 33 | 22 28 | 0 4 | 19 22 | 0 59 | 8 29 | 2 6 | 17 6 | 0 41 | 21 29 | 1 19 | 6 29 | 16 45 | 19 53 | 19 50 | 13 36 | 4 57 | 2 30 |
| T 15 | 20 13 | 17 25 | 4 18 | 14 28 | 1 27 | 16 30 | 1 32 | 22 35 | 0 4 | 19 25 | 0 59 | 8 27 | 2 5 | 17 5 | 0 41 | 21 29 | 1 19 | 6 30 | 16 45 | 19 53 | 19 51 | 13 38 | 4 58 | 2 30 |
| W16 | 19 59 | 19 36 | 3 34 | 14 9 | 1 45 | 16 6 | 1 32 | 22 41 | 0 5 | 19 27 | 0 59 | 8 24 | 2 5 | 17 4 | 0 41 | 21 29 | 1 19 | 6 30 | 16 46 | 19 53 | 19 51 | 13 40 | 4 58 | 2 30 |
| T 17 | 19 46 | 20 54 | 2 39 | 13 52 | 2 2 | 15 42 | 1 32 | 22 46 | 0 6 | 19 29 | 0 59 | 8 22 | 2 5 | 17 3 | 0 41 | 21 30 | 1 19 | 6 30 | 16 46 | 19 53 | 19 52 | 13 42 | 4 59 | 2 30 |
| F 18 | 19 32 | 21 13 | 1 37 | 13 39 | 2 19 | 15 17 | 1 31 | 22 52 | 0 7 | 19 31 | 0 59 | 8 19 | 2 5 | 17 2 | 0 40 | 21 30 | 1 19 | 6 31 | 16 47 | 19 53 | 19 53 | 13 44 | 5 0 | 2 30 |
| S 19 | 19 17 | 20 29 | 0 28 | 13 31 | 2 35 | 14 51 | 1 31 | 22 57 | 0 8 | 19 33 | 0 59 | 8 17 | 2 5 | 17 1 | 0 40 | 21 30 | 1 19 | 6 31 | 16 47 | 19 53 | 19 53 | 13 46 | 5 0 | 2 29 |
| S 20 | 19 3 | 18 40 | 0n43 | 13 26 | 2 50 | 14 26 | 1 30 | 23 3 | 0 8 | 19 35 | 0 59 | 8 14 | 2 5 | 17 0 | 0 40 | 21 30 | 1 19 | 6 32 | 16 48 | 19 53 | 19 54 | 13 48 | 5 1 | 2 29 |
| M21 | 18 48 | 15 50 | 1 53 | 13 25 | 3 4 | 13 59 | 1 30 | 23 7 | 0 9 | 19 37 | 1 0 | 8 11 | 2 5 | 16 59 | 0 40 | 21 30 | 1 19 | 6 32 | 16 48 | 19 53 | 19 55 | 13 50 | 5 1 | 2 29 |
| T 22 | 18 32 | 12 8 | 2 59 | 13 28 | 3 16 | 13 33 | 1 29 | 23 12 | 0 10 | 19 40 | 1 0 | 8 9 | 2 5 | 16 58 | 0 40 | 21 30 | 1 19 | 6 33 | 16 49 | 19 53 | 19 56 | 13 52 | 5 2 | 2 29 |
| W23 | 18 17 | 7 46 | 3 55 | 13 34 | 3 27 | 13 6 | 1 28 | 23 17 | 0 11 | 19 42 | 1 0 | 8 6 | 2 5 | 16 57 | 0 40 | 21 30 | 1 19 | 6 33 | 16 49 | 19 53 | 19 56 | 13 54 | 5 3 | 2 29 |
| T 24 | 18 1 | 2 56 | 4 39 | 13 44 | 3 35 | 12 39 | 1 28 | 23 21 | 0 12 | 19 44 | 1 0 | 8 4 | 2 5 | 16 56 | 0 40 | 21 31 | 1 19 | 6 34 | 16 50 | 19 54 | 19 57 | 13 56 | 5 4 | 2 29 |
| F 25 | 17 44 | 2s 5 | 5 7 | 13 56 | 3 41 | 12 11 | 1 27 | 23 25 | 0 13 | 19 46 | 1 0 | 8 1 | 2 5 | 16 55 | 0 40 | 21 31 | 1 19 | 6 35 | 16 50 | 19 54 | 19 58 | 13 58 | 5 4 | 2 28 |
| S 26 | 17 28 | 7 2 | 5 17 | 14 11 | 3 45 | 11 43 | 1 26 | 23 29 | 0 13 | 19 48 | 1 0 | 7 58 | 2 4 | 16 54 | 0 40 | 21 31 | 1 19 | 6 35 | 16 51 | 19 54 | 19 58 | 14 0 | 5 5 | 2 28 |
| S 27 | 17 11 | 11 39 | 5 8 | 14 28 | 3 46 | 11 15 | 1 25 | 23 33 | 0 14 | 19 50 | 1 0 | 7 56 | 2 4 | 16 53 | 0 40 | 21 31 | 1 19 | 6 36 | 16 52 | 19 54 | 19 59 | 14 2 | 5 6 | 2 28 |
| M28 | 16 54 | 15 38 | 4 40 | 14 47 | 3 45 | 10 46 | 1 24 | 23 36 | 0 15 | 19 52 | 1 0 | 7 53 | 2 4 | 16 52 | 0 40 | 21 31 | 1 19 | 6 36 | 16 52 | 19 54 | 20 0 | 14 4 | 5 7 | 2 28 |
| T 29 | 16 36 | 18 43 | 3 55 | 15 6 | 3 42 | 10 18 | 1 23 | 23 39 | 0 16 | 19 54 | 1 0 | 7 50 | 2 4 | 16 51 | 0 40 | 21 31 | 1 19 | 6 37 | 16 53 | 19 54 | 20 0 | 14 6 | 5 7 | 2 28 |
| W30 | 16 18 | 20 38 | 2 55 | 15 25 | 3 37 | 9 49 | 1 21 | 23 42 | 0 17 | 19 56 | 1 0 | 7 47 | 2 4 | 16 50 | 0 40 | 21 31 | 1 19 | 6 37 | 16 53 | 19 53 | 20 1 | 14 8 | 5 8 | 2 28 |
| T 31 | 16s 0 | 21s15 | 1n45 | 15s45 | 3n30 | 9s19 | 1s20 | 23s45 | 0s18 | 19n58 | 1n 0 | 7s45 | 2s 4 | 16s49 | 0s40 | 21s31 | 1n19 | 6n38 | 16n54 | 19n53 | 20n 2 | 14n10 | 5n 9 | 2n27 |

Julian Day Number = 2084481.5, Delta T = 24m48s
Ecliptic obliquity = 23°34'05, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°43'59, Lahiri = 9°50'59 Julian Calendar 1 Jan. 995 == Greg. Calendar 6 Jan. 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## FEBRUARY 995 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 9 3 34 | 17♒24'58 | 26♑20 | 4°R 7 | 10♓38 | 25♐19 | 5°R24 | 15♓22 | 15♒56 | 16♐ 9 | 23°R13 | 1°R43 | 1♌ 0 | 23♉42 | 7♈18 | F 1 |
| S 2 | 9 7 30 | 18°25'24 | 10♒10 | 3♒27 | 11°53 | 26° 2 | 5♌16 | 15°29 | 15°59 | 16°10 | 23♎12 | 1♌43 | 0°57 | 23°48 | 7°21 | S 2 |
| S 3 | 9 11 27 | 19°25'48 | 23°47 | 2°54 | 13° 7 | 26°45 | 5° 8 | 15°36 | 16° 3 | 16°12 | 23°12 | 1°42 | 0°54 | 23°55 | 7°23 | S 3 |
| M 4 | 9 15 23 | 20°26'11 | 7♓ 7 | 2°28 | 14°21 | 27°29 | 5° 1 | 15°43 | 16° 6 | 16°13 | 23°11 | 1°40 | 0°50 | 24° 2 | 7°26 | M 4 |
| T 5 | 9 19 20 | 21°26'32 | 20° 9 | 2° 9 | 15°35 | 28°12 | 4°53 | 15°50 | 16°10 | 16°14 | 23°11 | 1°37 | 0°47 | 24° 8 | 7°29 | T 5 |
| W 6 | 9 23 16 | 22°26'51 | 2♈53 | 1°58 | 16°50 | 28°55 | 4°46 | 15°58 | 16°13 | 16°15 | 23°10 | 1°34 | 0°44 | 24°15 | 7°31 | W 6 |
| T 7 | 9 27 13 | 23°27'08 | 15°20 | 1°D53 | 18° 4 | 29°38 | 4°39 | 16° 5 | 16°17 | 16°16 | 23°10 | 1°30 | 0°41 | 24°22 | 7°34 | T 7 |
| F 8 | 9 31 10 | 24°27'22 | 27°33 | 1°55 | 19°18 | 0♑21 | 4°32 | 16°12 | 16°20 | 16°17 | 23° 9 | 1°27 | 0°38 | 24°29 | 7°37 | F 8 |
| S 9 | 9 35 6 | 25°27'35 | 9♉34 | 2° 4 | 20°32 | 1° 5 | 4°25 | 16°19 | 16°23 | 16°19 | 23° 8 | 1°25 | 0°35 | 24°35 | 7°40 | S 9 |
| S 10 | 9 39 3 | 26°27'46 | 21°28 | 2°19 | 21°46 | 1°48 | 4°18 | 16°26 | 16°27 | 16°20 | 23° 8 | 1°D24 | 0°31 | 24°42 | 7°43 | S 10 |
| M11 | 9 42 59 | 27°27'55 | 3♊20 | 2°39 | 23° 0 | 2°31 | 4°11 | 16°33 | 16°30 | 16°21 | 23° 7 | 1°24 | 0°28 | 24°49 | 7°45 | M11 |
| T 12 | 9 46 56 | 28°28'01 | 15°14 | 3° 4 | 24°14 | 3°14 | 4° 4 | 16°41 | 16°34 | 16°22 | 23° 6 | 1°25 | 0°25 | 24°55 | 7°48 | T 12 |
| W13 | 9 50 52 | 29°28'05 | 27°15 | 3°34 | 25°28 | 3°58 | 3°58 | 16°48 | 16°37 | 16°23 | 23° 5 | 1°27 | 0°22 | 25° 2 | 7°51 | W13 |
| T 14 | 9 54 49 | 0♓28'08 | 9♋28 | 4° 9 | 26°41 | 4°41 | 3°51 | 16°55 | 16°40 | 16°24 | 23° 5 | 1°29 | 0°19 | 25° 9 | 7°54 | T 14 |
| F 15 | 9 58 45 | 1°28'08 | 21°57 | 4°48 | 27°55 | 5°24 | 3°45 | 17° 3 | 16°44 | 16°24 | 23° 4 | 1°30 | 0°16 | 25°15 | 7°57 | F 15 |
| S 16 | 10 2 42 | 2°28'06 | 4♌45 | 5°31 | 29° 9 | 6° 8 | 3°39 | 17°10 | 16°47 | 16°25 | 23° 3 | 1°R30 | 0°12 | 25°22 | 8° 0 | S 16 |
| S 17 | 10 6 39 | 3°28'01 | 17°54 | 6°18 | 0♈23 | 6°51 | 3°33 | 17°17 | 16°51 | 16°26 | 23° 2 | 1°29 | 0° 9 | 25°29 | 8° 3 | S 17 |
| M18 | 10 10 35 | 4°27'55 | 1♍23 | 7° 8 | 1°36 | 7°35 | 3°27 | 17°25 | 16°54 | 16°27 | 23° 1 | 1°26 | 0° 6 | 25°36 | 8° 6 | M18 |
| T 19 | 10 14 32 | 5°27'47 | 15°11 | 8° 1 | 2°50 | 8°18 | 3°21 | 17°32 | 16°57 | 16°28 | 23° 0 | 1°22 | 0° 3 | 25°42 | 8° 9 | T 19 |
| W20 | 10 18 28 | 6°27'36 | 29°14 | 8°57 | 4° 3 | 9° 1 | 3°15 | 17°40 | 17° 1 | 16°29 | 22°59 | 1°17 | 29♋59 | 25°49 | 8°13 | W20 |
| T 21 | 10 22 25 | 7°27'24 | 13♎29 | 9°56 | 5°17 | 9°45 | 3°10 | 17°47 | 17° 4 | 16°29 | 22°58 | 1°11 | 29°56 | 25°56 | 8°16 | T 21 |
| F 22 | 10 26 21 | 8°27'10 | 27°50 | 10°58 | 6°30 | 10°28 | 3° 4 | 17°54 | 17° 7 | 16°30 | 22°57 | 1° 6 | 29°53 | 26° 2 | 8°19 | F 22 |
| S 23 | 10 30 18 | 9°26'54 | 12♏11 | 12° 3 | 7°43 | 11°12 | 2°59 | 18° 2 | 17°10 | 16°31 | 22°56 | 1° 2 | 29°50 | 26° 9 | 8°22 | S 23 |
| S 24 | 10 34 14 | 10°26'37 | 26°30 | 13° 9 | 8°57 | 11°56 | 2°54 | 18° 9 | 17°14 | 16°31 | 22°55 | 0°59 | 29°47 | 26°16 | 8°25 | S 24 |
| M25 | 10 38 11 | 11°26'18 | 10♐42 | 14°18 | 10°10 | 12°39 | 2°49 | 18°17 | 17°17 | 16°32 | 22°54 | 0°D58 | 29°44 | 26°23 | 8°29 | M25 |
| T 26 | 10 42 8 | 12°25'57 | 24°46 | 15°29 | 11°23 | 13°23 | 2°44 | 18°24 | 17°20 | 16°32 | 22°53 | 0°59 | 29°41 | 26°29 | 8°32 | T 26 |
| W27 | 10 46 4 | 13°25'34 | 8♑40 | 16°42 | 12°36 | 14° 6 | 2°40 | 18°32 | 17°23 | 16°33 | 22°51 | 1° 0 | 29°37 | 26°36 | 8°35 | W27 |
| T 28 | 10 50 1 | 14♓25'10 | 22♑25 | 17♒57 | 13♈49 | 14♑50 | 2♌35 | 18♓39 | 17♒27 | 16♐33 | 22♎50 | 1♌ 1 | 29♋34 | 26♉43 | 8♈38 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 15s42 | 20s31 | 0n30 | 16s 4 | 3n21 | 8s50 | 1s19 | 23s48 | 0s19 | 20n 0 | 1n 1 | 7s42 | 2s 4 | 16s47 | 0s40 | 21s32 | 1n19 | 6n39 | 16n54 | 19n53 | 20n 3 | 14n12 | 5n10 | 2n27 |
| S 2 | 15 23 | 18 32 | 0s47 | 16 23 | 3 11 | 8 20 | 1 17 | 23 50 | 0 19 | 20 2 | 1 1 | 7 39 | 2 4 | 16 46 | 0 40 | 21 32 | 1 20 | 6 39 | 16 55 | 19 53 | 20 3 | 14 14 | 5 11 | 2 27 |
| S 3 | 15 4 | 15 32 | 1 59 | 16 41 | 3 1 | 7 50 | 1 16 | 23 52 | 0 20 | 20 4 | 1 1 | 7 36 | 2 4 | 16 45 | 0 41 | 21 32 | 1 20 | 6 40 | 16 55 | 19 53 | 20 4 | 14 16 | 5 12 | 2 27 |
| M 4 | 14 45 | 11 46 | 3 3 | 16 58 | 2 49 | 7 20 | 1 14 | 23 54 | 0 21 | 20 6 | 1 1 | 7 34 | 2 4 | 16 44 | 0 41 | 21 32 | 1 20 | 6 41 | 16 56 | 19 54 | 20 5 | 14 18 | 5 13 | 2 27 |
| T 5 | 14 26 | 7 32 | 3 56 | 17 14 | 2 37 | 6 50 | 1 13 | 23 55 | 0 22 | 20 8 | 1 1 | 7 31 | 2 4 | 16 43 | 0 41 | 21 32 | 1 20 | 6 41 | 16 56 | 19 54 | 20 5 | 14 20 | 5 13 | 2 27 |
| W 6 | 14 6 | 3 4 | 4 36 | 17 29 | 2 24 | 6 19 | 1 11 | 23 57 | 0 23 | 20 9 | 1 1 | 7 28 | 2 4 | 16 42 | 0 41 | 21 32 | 1 20 | 6 42 | 16 57 | 19 55 | 20 6 | 14 21 | 5 14 | 2 26 |
| T 7 | 13 46 | 1n26 | 5 2 | 17 43 | 2 11 | 5 48 | 1 9 | 23 58 | 0 24 | 20 11 | 1 1 | 7 25 | 2 4 | 16 41 | 0 41 | 21 32 | 1 20 | 6 42 | 16 57 | 19 56 | 20 7 | 14 23 | 5 15 | 2 26 |
| F 8 | 13 26 | 5 46 | 5 14 | 17 55 | 1 58 | 5 18 | 1 8 | 23 59 | 0 25 | 20 13 | 1 1 | 7 22 | 2 4 | 16 40 | 0 41 | 21 32 | 1 20 | 6 43 | 16 58 | 19 57 | 20 7 | 14 25 | 5 16 | 2 26 |
| S 9 | 13 6 | 9 50 | 5 11 | 18 6 | 1 45 | 4 47 | 1 6 | 23 59 | 0 26 | 20 15 | 1 1 | 7 19 | 2 4 | 16 39 | 0 41 | 21 32 | 1 20 | 6 44 | 16 58 | 19 57 | 20 8 | 14 27 | 5 17 | 2 26 |
| S 10 | 12 46 | 13 28 | 4 55 | 18 16 | 1 32 | 4 16 | 1 4 | 24 0 | 0 27 | 20 16 | 1 1 | 7 17 | 2 4 | 16 38 | 0 41 | 21 32 | 1 20 | 6 45 | 16 59 | 19 57 | 20 9 | 14 29 | 5 18 | 2 26 |
| M11 | 12 25 | 16 34 | 4 27 | 18 24 | 1 19 | 3 44 | 1 2 | 24 0 | 0 28 | 20 18 | 1 1 | 7 14 | 2 4 | 16 37 | 0 41 | 21 32 | 1 20 | 6 45 | 16 59 | 19 57 | 20 10 | 14 31 | 5 19 | 2 26 |
| T 12 | 12 4 | 18 59 | 3 47 | 18 30 | 1 6 | 3 13 | 1 0 | 24 0 | 0 28 | 20 20 | 1 1 | 7 11 | 2 4 | 16 36 | 0 41 | 21 32 | 1 20 | 6 46 | 16 59 | 19 57 | 20 10 | 14 33 | 5 20 | 2 26 |
| W13 | 11 43 | 20 36 | 2 57 | 18 36 | 0 53 | 2 42 | 0 58 | 24 0 | 0 29 | 20 21 | 1 1 | 7 8 | 2 4 | 16 35 | 0 41 | 21 33 | 1 20 | 6 47 | 17 0 | 19 57 | 20 11 | 14 35 | 5 21 | 2 25 |
| T 14 | 11 22 | 21 16 | 1 58 | 18 39 | 0 41 | 2 10 | 0 55 | 23 59 | 0 30 | 20 23 | 1 1 | 7 5 | 2 3 | 16 34 | 0 41 | 21 33 | 1 20 | 6 47 | 17 0 | 19 56 | 20 12 | 14 37 | 5 22 | 2 25 |
| F 15 | 11 1 | 20 55 | 0 52 | 18 42 | 0 29 | 1 39 | 0 53 | 23 59 | 0 31 | 20 24 | 1 1 | 7 2 | 2 3 | 16 33 | 0 41 | 21 33 | 1 20 | 6 48 | 17 1 | 19 56 | 20 12 | 14 39 | 5 23 | 2 25 |
| S 16 | 10 39 | 19 28 | 0n18 | 18 43 | 0 18 | 1 7 | 0 51 | 23 58 | 0 32 | 20 26 | 1 1 | 6 59 | 2 3 | 16 32 | 0 41 | 21 33 | 1 20 | 6 49 | 17 1 | 19 56 | 20 13 | 14 41 | 5 25 | 2 25 |
| S 17 | 10 17 | 16 57 | 1 28 | 18 42 | 0 6 | 0 36 | 0 49 | 23 56 | 0 33 | 20 27 | 1 1 | 6 56 | 2 3 | 16 31 | 0 41 | 21 33 | 1 20 | 6 49 | 17 2 | 19 56 | 20 14 | 14 43 | 5 26 | 2 25 |
| M18 | 9 55 | 13 28 | 2 36 | 18 40 | 0s 5 | 0 4 | 0 46 | 23 55 | 0 34 | 20 29 | 1 1 | 6 53 | 2 3 | 16 30 | 0 41 | 21 33 | 1 20 | 6 50 | 17 2 | 19 57 | 20 14 | 14 45 | 5 27 | 2 25 |
| T 19 | 9 33 | 9 11 | 3 36 | 18 36 | 0 15 | 0n28 | 0 44 | 23 53 | 0 35 | 20 30 | 1 1 | 6 51 | 2 3 | 16 29 | 0 41 | 21 33 | 1 20 | 6 51 | 17 3 | 19 58 | 20 15 | 14 47 | 5 28 | 2 25 |
| W20 | 9 11 | 4 20 | 4 24 | 18 32 | 0 25 | 0 59 | 0 41 | 23 51 | 0 36 | 20 31 | 1 1 | 6 48 | 2 3 | 16 28 | 0 41 | 21 33 | 1 20 | 6 52 | 17 3 | 19 59 | 20 16 | 14 49 | 5 29 | 2 24 |
| T 21 | 8 49 | 0s48 | 4 56 | 18 25 | 0 35 | 1 31 | 0 39 | 23 49 | 0 37 | 20 33 | 1 1 | 6 45 | 2 3 | 16 27 | 0 41 | 21 33 | 1 20 | 6 52 | 17 3 | 20 0 | 20 16 | 14 51 | 5 30 | 2 24 |
| F 22 | 8 27 | 5 56 | 5 10 | 18 17 | 0 45 | 2 2 | 0 36 | 23 47 | 0 38 | 20 34 | 1 1 | 6 42 | 2 3 | 16 26 | 0 41 | 21 33 | 1 20 | 6 53 | 17 4 | 20 1 | 20 17 | 14 53 | 5 31 | 2 24 |
| S 23 | 8 4 | 10 44 | 5 5 | 18 8 | 0 54 | 2 34 | 0 34 | 23 44 | 0 39 | 20 35 | 1 1 | 6 39 | 2 3 | 16 25 | 0 41 | 21 33 | 1 20 | 6 54 | 17 4 | 20 2 | 20 18 | 14 54 | 5 32 | 2 24 |
| S 24 | 7 41 | 14 56 | 4 40 | 17 57 | 1 2 | 3 5 | 0 31 | 23 42 | 0 40 | 20 36 | 1 1 | 6 36 | 2 3 | 16 24 | 0 41 | 21 33 | 1 20 | 6 55 | 17 4 | 20 3 | 20 18 | 14 56 | 5 34 | 2 24 |
| M25 | 7 19 | 18 13 | 3 59 | 17 45 | 1 10 | 3 37 | 0 28 | 23 38 | 0 41 | 20 37 | 1 1 | 6 33 | 2 3 | 16 23 | 0 41 | 21 33 | 1 20 | 6 55 | 17 5 | 20 3 | 20 19 | 14 58 | 5 35 | 2 24 |
| T 26 | 6 56 | 20 24 | 3 4 | 17 31 | 1 18 | 4 8 | 0 26 | 23 35 | 0 42 | 20 38 | 1 1 | 6 30 | 2 3 | 16 22 | 0 41 | 21 33 | 1 20 | 6 56 | 17 5 | 20 3 | 20 20 | 15 0 | 5 36 | 2 24 |
| W27 | 6 33 | 21 19 | 1 58 | 17 16 | 1 25 | 4 39 | 0 23 | 23 32 | 0 43 | 20 39 | 1 1 | 6 27 | 2 3 | 16 21 | 0 41 | 21 33 | 1 20 | 6 57 | 17 6 | 20 3 | 20 20 | 15 2 | 5 37 | 2 24 |
| T 28 | 6s10 | 20s56 | 0n47 | 17s 0 | 1s32 | 5n10 | 0s20 | 23s28 | 0s44 | 20n40 | 1n 1 | 6s24 | 2s 3 | 16s20 | 0s41 | 21s33 | 1n20 | 6n58 | 17n 6 | 20n 2 | 20n21 | 15n 4 | 5n38 | 2n24 |

Julian Day Number = 2084512.5, Delta T = 24m47s
Ecliptic obliquity = 23°34'05, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'03, Lahiri = 9°51'04 Julian Calendar 1 Feb. 995 == Greg. Calendar 6 Feb. 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## MARCH 995 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 10 53 57 | 15♓24'44 | 5♒59 | 19♒14 | 15♈ 3 | 15♉34 | 2°R31 | 18♓47 | 17♒30 | 16♐34 | 22°R49 | 1°R 1 | 29♋31 | 26♉49 | 8♈42 | F 1 |
| S 2 | 10 57 54 | 16°24'15 | 19°23 | 20°33 | 16°16 | 16°17 | 2♌27 | 18°54 | 17°33 | 16°34 | 22♎48 | 1♌ 0 | 29°28 | 26°56 | 8°45 | S 2 |
| S 3 | 11 1 50 | 17°23'45 | 2♓36 | 21°53 | 17°28 | 17° 1 | 2°23 | 19° 2 | 17°36 | 16°35 | 22°46 | 0°56 | 29°25 | 27° 3 | 8°48 | S 3 |
| M 4 | 11 5 47 | 18°23'13 | 15°36 | 23°15 | 18°41 | 17°45 | 2°19 | 19° 9 | 17°39 | 16°35 | 22°45 | 0°50 | 29°22 | 27°10 | 8°52 | M 4 |
| T 5 | 11 9 43 | 19°22'39 | 28°24 | 24°39 | 19°54 | 18°28 | 2°16 | 19°17 | 17°42 | 16°35 | 22°44 | 0°42 | 29°18 | 27°16 | 8°55 | T 5 |
| W 6 | 11 13 40 | 20°22'02 | 10♈58 | 26° 4 | 21° 7 | 19°12 | 2°12 | 19°25 | 17°45 | 16°36 | 22°42 | 0°33 | 29°15 | 27°23 | 8°59 | W 6 |
| T 7 | 11 17 37 | 21°21'24 | 23°19 | 27°31 | 22°20 | 19°56 | 2° 9 | 19°32 | 17°48 | 16°36 | 22°41 | 0°23 | 29°12 | 27°30 | 9° 2 | T 7 |
| F 8 | 11 21 33 | 22°20'43 | 5♉29 | 28°59 | 23°32 | 20°39 | 2° 6 | 19°40 | 17°51 | 16°36 | 22°40 | 0°14 | 29° 9 | 27°36 | 9° 6 | F 8 |
| S 9 | 11 25 30 | 23°20'00 | 17°29 | 0♓29 | 24°45 | 21°23 | 2° 3 | 19°47 | 17°54 | 16°36 | 22°38 | 0° 6 | 29° 6 | 27°43 | 9° 9 | S 9 |
| S 10 | 11 29 26 | 24°19'14 | 29°22 | 2° 0 | 25°57 | 22° 7 | 2° 1 | 19°55 | 17°57 | 16°36 | 22°37 | 0° 1 | 29° 2 | 27°50 | 9°12 | S 10 |
| M11 | 11 33 23 | 25°18'26 | 11♊12 | 3°33 | 27°10 | 22°51 | 1°58 | 20° 2 | 18° 0 | 16°36 | 22°35 | 29♋58 | 28°59 | 27°56 | 9°16 | M11 |
| T 12 | 11 37 19 | 26°17'36 | 23° 5 | 5° 7 | 28°22 | 23°34 | 1°56 | 20°10 | 18° 3 | 16°37 | 22°34 | 29°D56 | 28°56 | 28° 3 | 9°19 | T 12 |
| W13 | 11 41 16 | 27°16'44 | 5♋ 4 | 6°43 | 29°35 | 24°18 | 1°54 | 20°17 | 18° 6 | 16°37 | 22°32 | 29°57 | 28°53 | 28°10 | 9°23 | W13 |
| T 14 | 11 45 12 | 28°15'49 | 17°16 | 8°20 | 0♉47 | 25° 2 | 1°52 | 20°25 | 18° 9 | 16°R37 | 22°31 | 29°57 | 28°50 | 28°17 | 9°26 | T 14 |
| F 15 | 11 49 9 | 29°14'52 | 29°45 | 9°59 | 1°59 | 25°46 | 1°50 | 20°32 | 18°12 | 16°37 | 22°29 | 29°R58 | 28°47 | 28°23 | 9°30 | F 15 |
| S 16 | 11 53 5 | 0♈13'53 | 12♌36 | 11°39 | 3°11 | 26°30 | 1°49 | 20°40 | 18°14 | 16°37 | 22°28 | 29°57 | 28°43 | 28°30 | 9°33 | S 16 |
| S 17 | 11 57 2 | 1°12'51 | 25°52 | 13°20 | 4°23 | 27°13 | 1°48 | 20°47 | 18°17 | 16°36 | 22°26 | 29°54 | 28°40 | 28°37 | 9°37 | S 17 |
| M18 | 12 0 59 | 2°11'47 | 9♍34 | 15° 3 | 5°35 | 27°57 | 1°46 | 20°54 | 18°20 | 16°36 | 22°25 | 29°49 | 28°37 | 28°43 | 9°41 | M18 |
| T 19 | 12 4 55 | 3°10'41 | 23°41 | 16°48 | 6°47 | 28°41 | 1°45 | 21° 2 | 18°23 | 16°36 | 22°23 | 29°41 | 28°34 | 28°50 | 9°44 | T 19 |
| W20 | 12 8 52 | 4° 9'32 | 8♎ 9 | 18°34 | 7°59 | 29°25 | 1°45 | 21° 9 | 18°25 | 16°36 | 22°22 | 29°32 | 28°31 | 28°57 | 9°48 | W20 |
| T 21 | 12 12 48 | 5° 8'22 | 22°51 | 20°21 | 9°10 | 0♒ 9 | 1°44 | 21°17 | 18°28 | 16°36 | 22°20 | 29°22 | 28°27 | 29° 3 | 9°51 | T 21 |
| F 22 | 12 16 45 | 6° 7'10 | 7♏39 | 22°10 | 10°22 | 0°52 | 1°44 | 21°24 | 18°31 | 16°36 | 22°19 | 29°12 | 28°24 | 29°10 | 9°55 | F 22 |
| S 23 | 12 20 41 | 7° 5'55 | 22°26 | 24° 0 | 11°34 | 1°36 | 1°43 | 21°31 | 18°33 | 16°35 | 22°17 | 29° 4 | 28°21 | 29°17 | 9°58 | S 23 |
| S 24 | 12 24 38 | 8° 4'40 | 7♐ 3 | 25°52 | 12°45 | 2°20 | 1°D43 | 21°39 | 18°36 | 16°35 | 22°15 | 28°58 | 28°18 | 29°24 | 10° 2 | S 24 |
| M25 | 12 28 34 | 9° 3'22 | 21°26 | 27°46 | 13°56 | 3° 4 | 1°44 | 21°46 | 18°38 | 16°35 | 22°14 | 28°55 | 28°15 | 29°30 | 10° 5 | M25 |
| T 26 | 12 32 31 | 10° 2'03 | 5♑33 | 29°41 | 15° 8 | 3°48 | 1°44 | 21°53 | 18°41 | 16°34 | 22°12 | 28°D54 | 28°12 | 29°37 | 10° 9 | T 26 |
| W27 | 12 36 28 | 11° 0'42 | 19°21 | 1♈37 | 16°19 | 4°32 | 1°44 | 22° 1 | 18°43 | 16°34 | 22°10 | 28°54 | 28° 8 | 29°44 | 10°13 | W27 |
| T 28 | 12 40 24 | 11°59'19 | 2♒53 | 3°35 | 17°30 | 5°15 | 1°45 | 22° 8 | 18°46 | 16°33 | 22° 9 | 28°R54 | 28° 5 | 29°50 | 10°16 | T 28 |
| F 29 | 12 44 21 | 12°57'55 | 16°10 | 5°35 | 18°41 | 5°59 | 1°46 | 22°15 | 18°48 | 16°33 | 22° 7 | 28°53 | 28° 2 | 29°57 | 10°20 | F 29 |
| S 30 | 12 48 17 | 13°56'28 | 29°13 | 7°36 | 19°52 | 6°43 | 1°47 | 22°22 | 18°50 | 16°32 | 22° 5 | 28°50 | 27°59 | 0♊ 4 | 10°23 | S 30 |
| S 31 | 12 52 14 | 14♈55'00 | 12♓ 5 | 9♈38 | 21♉ 3 | 7♒27 | 1♌48 | 22♓29 | 18♒53 | 16♐32 | 22♎ 4 | 28♋44 | 27♋56 | 0♊11 | 10♈27 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s47 | 19s19 | 0s27 | 16s42 | 1s39 | 5n41 | 0s17 | 23s24 | 0s45 | 20n41 | 1n 1 | 6s21 | 2s 3 | 16s19 | 0s41 | 21s33 | 1n20 | 6n58 | 17n 6 | 20n 2 | 20n22 | 15n 6 | 5n40 | 2n23 |
| S 2 | 5 24 | 16 38 | 1 38 | 16 22 | 1 45 | 6 12 | 0 14 | 23 20 | 0 46 | 20 42 | 1 1 | 6 18 | 2 3 | 16 18 | 0 41 | 21 33 | 1 21 | 6 59 | 17 7 | 20 3 | 20 22 | 15 8 | 5 41 | 2 23 |
| S 3 | 5 0 | 13 7 | 2 42 | 16 1 | 1 50 | 6 43 | 0 12 | 23 15 | 0 47 | 20 43 | 1 1 | 6 15 | 2 3 | 16 17 | 0 41 | 21 33 | 1 21 | 7 0 | 17 7 | 20 4 | 20 23 | 15 10 | 5 42 | 2 23 |
| M 4 | 4 37 | 9 2 | 3 37 | 15 39 | 1 55 | 7 14 | 0 9 | 23 11 | 0 48 | 20 44 | 1 1 | 6 12 | 2 4 | 16 16 | 0 41 | 21 33 | 1 21 | 7 1 | 17 7 | 20 5 | 20 24 | 15 12 | 5 43 | 2 23 |
| T 5 | 4 14 | 4 36 | 4 19 | 15 16 | 2 0 | 7 44 | 0 6 | 23 6 | 0 49 | 20 45 | 1 1 | 6 9 | 2 4 | 16 15 | 0 41 | 21 33 | 1 21 | 7 1 | 17 8 | 20 7 | 20 24 | 15 14 | 5 45 | 2 23 |
| W 6 | 3 50 | 0 4 | 4 49 | 14 50 | 2 4 | 8 14 | 0 3 | 23 1 | 0 50 | 20 45 | 1 1 | 6 6 | 2 4 | 16 15 | 0 41 | 21 33 | 1 21 | 7 2 | 17 8 | 20 9 | 20 25 | 15 15 | 5 46 | 2 23 |
| T 7 | 3 27 | 4n24 | 5 4 | 14 24 | 2 8 | 8 45 | 0n 0 | 22 55 | 0 51 | 20 46 | 1 0 | 6 3 | 2 4 | 16 14 | 0 41 | 21 33 | 1 21 | 7 3 | 17 8 | 20 11 | 20 26 | 15 17 | 5 47 | 2 23 |
| F 8 | 3 3 | 8 38 | 5 5 | 13 56 | 2 11 | 9 14 | 0 3 | 22 50 | 0 52 | 20 47 | 1 0 | 6 1 | 2 4 | 16 13 | 0 41 | 21 33 | 1 21 | 7 4 | 17 8 | 20 13 | 20 26 | 15 19 | 5 48 | 2 23 |
| S 9 | 2 40 | 12 28 | 4 52 | 13 27 | 2 14 | 9 44 | 0 6 | 22 44 | 0 53 | 20 47 | 1 0 | 5 58 | 2 4 | 16 12 | 0 41 | 21 33 | 1 21 | 7 4 | 17 9 | 20 14 | 20 27 | 15 21 | 5 50 | 2 23 |
| S 10 | 2 16 | 15 46 | 4 27 | 12 56 | 2 16 | 10 14 | 0 10 | 22 38 | 0 54 | 20 48 | 1 0 | 5 55 | 2 4 | 16 11 | 0 41 | 21 33 | 1 21 | 7 5 | 17 9 | 20 15 | 20 28 | 15 23 | 5 51 | 2 23 |
| M11 | 1 52 | 18 26 | 3 51 | 12 24 | 2 18 | 10 43 | 0 13 | 22 32 | 0 55 | 20 48 | 1 0 | 5 52 | 2 4 | 16 10 | 0 41 | 21 33 | 1 21 | 7 6 | 17 9 | 20 16 | 20 28 | 15 25 | 5 52 | 2 22 |
| T 12 | 1 29 | 20 19 | 3 4 | 11 51 | 2 20 | 11 12 | 0 16 | 22 25 | 0 56 | 20 49 | 1 0 | 5 49 | 2 4 | 16 9 | 0 41 | 21 33 | 1 21 | 7 7 | 17 10 | 20 16 | 20 29 | 15 27 | 5 54 | 2 22 |
| W13 | 1 5 | 21 19 | 2 9 | 11 16 | 2 21 | 11 41 | 0 19 | 22 19 | 0 57 | 20 49 | 1 0 | 5 46 | 2 4 | 16 8 | 0 41 | 21 33 | 1 21 | 7 7 | 17 10 | 20 16 | 20 30 | 15 29 | 5 55 | 2 22 |
| T 14 | 0 42 | 21 20 | 1 8 | 10 40 | 2 21 | 12 9 | 0 22 | 22 12 | 0 58 | 20 50 | 1 0 | 5 43 | 2 4 | 16 7 | 0 41 | 21 33 | 1 21 | 7 8 | 17 10 | 20 16 | 20 30 | 15 31 | 5 56 | 2 22 |
| F 15 | 0 18 | 20 18 | 0 1 | 10 3 | 2 21 | 12 37 | 0 25 | 22 5 | 0 59 | 20 50 | 1 0 | 5 40 | 2 4 | 16 7 | 0 41 | 21 33 | 1 21 | 7 9 | 17 10 | 20 16 | 20 31 | 15 32 | 5 57 | 2 22 |
| S 16 | 0n 6 | 18 11 | 1n 7 | 9 24 | 2 21 | 13 5 | 0 28 | 21 57 | 1 0 | 20 50 | 1 0 | 5 37 | 2 4 | 16 6 | 0 41 | 21 33 | 1 21 | 7 10 | 17 10 | 20 16 | 20 32 | 15 34 | 5 59 | 2 22 |
| S 17 | 0 29 | 15 4 | 2 14 | 8 44 | 2 20 | 13 33 | 0 32 | 21 50 | 1 1 | 20 50 | 1 0 | 5 34 | 2 4 | 16 5 | 0 41 | 21 33 | 1 21 | 7 10 | 17 11 | 20 17 | 20 32 | 15 36 | 6 0 | 2 22 |
| M18 | 0 53 | 11 2 | 3 15 | 8 3 | 2 19 | 14 0 | 0 35 | 21 42 | 1 3 | 20 51 | 1 0 | 5 31 | 2 4 | 16 4 | 0 41 | 21 33 | 1 21 | 7 11 | 17 11 | 20 18 | 20 33 | 15 38 | 6 1 | 2 22 |
| T 19 | 1 16 | 6 17 | 4 6 | 7 20 | 2 17 | 14 27 | 0 38 | 21 34 | 1 4 | 20 51 | 1 0 | 5 29 | 2 4 | 16 3 | 0 41 | 21 33 | 1 21 | 7 12 | 17 11 | 20 20 | 20 34 | 15 40 | 6 3 | 2 22 |
| W20 | 1 40 | 1 4 | 4 42 | 6 36 | 2 14 | 14 54 | 0 41 | 21 26 | 1 5 | 20 51 | 1 0 | 5 26 | 2 4 | 16 2 | 0 41 | 21 33 | 1 21 | 7 13 | 17 11 | 20 21 | 20 34 | 15 42 | 6 4 | 2 22 |
| T 21 | 2 3 | 4s16 | 5 1 | 5 51 | 2 11 | 15 20 | 0 44 | 21 18 | 1 6 | 20 51 | 1 0 | 5 23 | 2 4 | 16 2 | 0 41 | 21 33 | 1 21 | 7 13 | 17 11 | 20 24 | 20 35 | 15 44 | 6 6 | 2 22 |
| F 22 | 2 27 | 9 25 | 5 0 | 5 5 | 2 8 | 15 46 | 0 48 | 21 9 | 1 7 | 20 51 | 0 59 | 5 20 | 2 5 | 16 1 | 0 41 | 21 32 | 1 21 | 7 14 | 17 11 | 20 26 | 20 36 | 15 46 | 6 7 | 2 22 |
| S 23 | 2 50 | 13 59 | 4 38 | 4 17 | 2 4 | 16 11 | 0 51 | 21 1 | 1 8 | 20 51 | 0 59 | 5 17 | 2 5 | 16 0 | 0 41 | 21 32 | 1 21 | 7 15 | 17 12 | 20 27 | 20 36 | 15 47 | 6 8 | 2 22 |
| S 24 | 3 13 | 17 41 | 3 59 | 3 28 | 1 59 | 16 36 | 0 54 | 20 52 | 1 9 | 20 51 | 0 59 | 5 14 | 2 5 | 15 59 | 0 41 | 21 32 | 1 21 | 7 15 | 17 12 | 20 28 | 20 37 | 15 49 | 6 10 | 2 21 |
| M25 | 3 37 | 20 13 | 3 5 | 2 38 | 1 54 | 17 1 | 0 57 | 20 43 | 1 10 | 20 51 | 0 59 | 5 11 | 2 5 | 15 59 | 0 41 | 21 32 | 1 21 | 7 16 | 17 12 | 20 29 | 20 37 | 15 51 | 6 11 | 2 21 |
| T 26 | 4 0 | 21 27 | 2 1 | 1 47 | 1 49 | 17 25 | 1 0 | 20 34 | 1 11 | 20 50 | 0 59 | 5 9 | 2 5 | 15 58 | 0 41 | 21 32 | 1 21 | 7 17 | 17 12 | 20 29 | 20 38 | 15 53 | 6 12 | 2 21 |
| W27 | 4 23 | 21 20 | 0 50 | 0 55 | 1 43 | 17 49 | 1 3 | 20 24 | 1 12 | 20 50 | 0 59 | 5 6 | 2 5 | 15 57 | 0 41 | 21 32 | 1 21 | 7 17 | 17 12 | 20 29 | 20 39 | 15 55 | 6 14 | 2 21 |
| T 28 | 4 46 | 19 58 | 0s21 | 0 2 | 1 36 | 18 12 | 1 6 | 20 14 | 1 13 | 20 50 | 0 59 | 5 3 | 2 5 | 15 56 | 0 41 | 21 32 | 1 21 | 7 18 | 17 12 | 20 29 | 20 39 | 15 57 | 6 15 | 2 21 |
| F 29 | 5 9 | 17 31 | 1 30 | 0n52 | 1 29 | 18 35 | 1 9 | 20 5 | 1 14 | 20 50 | 0 59 | 5 0 | 2 5 | 15 56 | 0 41 | 21 32 | 1 21 | 7 19 | 17 12 | 20 30 | 20 40 | 15 59 | 6 16 | 2 21 |
| S 30 | 5 32 | 14 12 | 2 33 | 1 47 | 1 21 | 18 58 | 1 13 | 19 55 | 1 16 | 20 49 | 0 59 | 4 58 | 2 5 | 15 55 | 0 42 | 21 32 | 1 22 | 7 19 | 17 12 | 20 30 | 20 41 | 16 0 | 6 18 | 2 21 |
| S 31 | 5n54 | 10s15 | 3s27 | 2n43 | 1s13 | 19n20 | 1n16 | 19s44 | 1s17 | 20n49 | 0n59 | 4s55 | 2s 5 | 15s54 | 0s42 | 21s32 | 1n22 | 7n20 | 17n12 | 20n32 | 20n41 | 16n 2 | 6n19 | 2n21 |

Julian Day Number = 2084540.5, Delta T = 24m47s
Ecliptic obliquity = 23°34'06, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'07, Lahiri = 9°51'07 Julian Calendar 1 March 995 == Greg. Calendar 6 March 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## APRIL 995 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 12 56 10 | 15♈53'31 | 24♓45 | 11♈42 | 22♉14 | 8♒11 | 1♌50 | 22♓37 | 18♒55 | 16°R31 | 22°R 2 | 28°R35 | 27♋53 | 0♊17 | 10♈30 | M 1 |
| T 2 | 13 0 7 | 16°51'59 | 7♈16 | 13°46 | 23°25 | 8°55 | 1°52 | 22°44 | 18°57 | 16♐31 | 22♎ 0 | 28♋23 | 27°49 | 0°24 | 10°34 | T 2 |
| W 3 | 13 4 3 | 17°50'25 | 19°36 | 15°52 | 24°35 | 9°38 | 1°53 | 22°51 | 18°59 | 16°30 | 21°59 | 28°10 | 27°46 | 0°31 | 10°38 | W 3 |
| T 4 | 13 8 0 | 18°48'50 | 1♉47 | 17°59 | 25°46 | 10°22 | 1°55 | 22°58 | 19° 1 | 16°29 | 21°57 | 27°56 | 27°43 | 0°37 | 10°41 | T 4 |
| F 5 | 13 11 56 | 19°47'13 | 13°50 | 20° 7 | 26°56 | 11° 6 | 1°58 | 23° 5 | 19° 3 | 16°29 | 21°55 | 27°43 | 27°40 | 0°44 | 10°45 | F 5 |
| S 6 | 13 15 53 | 20°45'33 | 25°46 | 22°15 | 28° 7 | 11°50 | 2° 0 | 23°12 | 19° 5 | 16°28 | 21°54 | 27°32 | 27°37 | 0°51 | 10°48 | S 6 |
| S 7 | 13 19 50 | 21°43'52 | 7♊37 | 24°24 | 29°17 | 12°34 | 2° 3 | 23°19 | 19° 8 | 16°27 | 21°52 | 27°23 | 27°33 | 0°57 | 10°52 | S 7 |
| M 8 | 13 23 46 | 22°42'09 | 19°25 | 26°33 | 0♊27 | 13°17 | 2° 5 | 23°26 | 19° 9 | 16°27 | 21°50 | 27°16 | 27°30 | 1° 4 | 10°55 | M 8 |
| T 9 | 13 27 43 | 23°40'24 | 1♋16 | 28°42 | 1°37 | 14° 1 | 2° 8 | 23°33 | 19°11 | 16°26 | 21°49 | 27°13 | 27°27 | 1°11 | 10°59 | T 9 |
| W10 | 13 31 39 | 24°38'36 | 13°14 | 0♌50 | 2°47 | 14°45 | 2°11 | 23°39 | 19°13 | 16°25 | 21°47 | 27°11 | 27°24 | 1°18 | 11° 2 | W10 |
| T 11 | 13 35 36 | 25°36'47 | 25°23 | 2°58 | 3°57 | 15°29 | 2°14 | 23°46 | 19°15 | 16°24 | 21°45 | 27°11 | 27°21 | 1°24 | 11° 6 | T 11 |
| F 12 | 13 39 32 | 26°34'56 | 7♍50 | 5° 4 | 5° 7 | 16°12 | 2°18 | 23°53 | 19°17 | 16°23 | 21°43 | 27°11 | 27°18 | 1°31 | 11° 9 | F 12 |
| S 13 | 13 43 29 | 27°33'02 | 20°38 | 7°10 | 6°16 | 16°56 | 2°21 | 24° 0 | 19°19 | 16°22 | 21°42 | 27°10 | 27°14 | 1°38 | 11°13 | S 13 |
| S 14 | 13 47 25 | 28°31'07 | 3♎53 | 9°14 | 7°26 | 17°40 | 2°25 | 24° 6 | 19°20 | 16°21 | 21°40 | 27° 7 | 27°11 | 1°44 | 11°16 | S 14 |
| M15 | 13 51 22 | 29°29'09 | 17°37 | 11°16 | 8°35 | 18°23 | 2°29 | 24°13 | 19°22 | 16°20 | 21°38 | 27° 1 | 27° 8 | 1°51 | 11°20 | M15 |
| T 16 | 13 55 19 | 0♏27'10 | 1♎50 | 13°16 | 9°44 | 19° 7 | 2°33 | 24°20 | 19°24 | 16°19 | 21°37 | 26°53 | 27° 5 | 1°58 | 11°23 | T 16 |
| W17 | 13 59 15 | 1°25'09 | 16°29 | 15°13 | 10°54 | 19°50 | 2°37 | 24°26 | 19°25 | 16°18 | 21°35 | 26°43 | 27° 2 | 2° 4 | 11°26 | W17 |
| T 18 | 14 3 12 | 2°23'06 | 1♏28 | 17° 8 | 12° 3 | 20°34 | 2°42 | 24°33 | 19°27 | 16°17 | 21°33 | 26°31 | 26°58 | 2°11 | 11°30 | T 18 |
| F 19 | 14 7 8 | 3°21'01 | 16°36 | 19° 0 | 13°11 | 21°18 | 2°46 | 24°39 | 19°28 | 16°16 | 21°32 | 26°21 | 26°55 | 2°18 | 11°33 | F 19 |
| S 20 | 14 11 5 | 4°18'55 | 1♐45 | 20°49 | 14°20 | 22° 1 | 2°51 | 24°45 | 19°30 | 16°15 | 21°30 | 26°12 | 26°52 | 2°24 | 11°37 | S 20 |
| S 21 | 14 15 1 | 5°16'48 | 16°43 | 22°36 | 15°29 | 22°45 | 2°56 | 24°52 | 19°31 | 16°14 | 21°28 | 26° 5 | 26°49 | 2°31 | 11°40 | S 21 |
| M22 | 14 18 58 | 6°14'39 | 1♑23 | 24°18 | 16°37 | 23°28 | 3° 1 | 24°58 | 19°33 | 16°13 | 21°27 | 26° 1 | 26°46 | 2°38 | 11°43 | M22 |
| T 23 | 14 22 54 | 7°12'29 | 15°41 | 25°58 | 17°46 | 24°12 | 3° 6 | 25° 4 | 19°34 | 16°12 | 21°25 | 25°59 | 26°43 | 2°45 | 11°47 | T 23 |
| W24 | 14 26 51 | 8°10'18 | 29°35 | 27°34 | 18°54 | 24°55 | 3°12 | 25°11 | 19°35 | 16°11 | 21°24 | 25°D59 | 26°39 | 2°51 | 11°50 | W24 |
| T 25 | 14 30 48 | 9° 8'05 | 13♒ 7 | 29° 7 | 20° 2 | 25°39 | 3°17 | 25°17 | 19°37 | 16°10 | 21°22 | 25°R59 | 26°36 | 2°58 | 11°53 | T 25 |
| F 26 | 14 34 44 | 10° 5'52 | 26°17 | 0♊37 | 21°10 | 26°22 | 3°23 | 25°23 | 19°38 | 16° 8 | 21°20 | 25°58 | 26°33 | 3° 5 | 11°56 | F 26 |
| S 27 | 14 38 41 | 11° 3'37 | 9♓10 | 2° 2 | 22°18 | 27° 5 | 3°29 | 25°29 | 19°39 | 16° 7 | 21°19 | 25°55 | 26°30 | 3°11 | 12° 0 | S 27 |
| S 28 | 14 42 37 | 12° 1'21 | 21°48 | 3°24 | 23°26 | 27°49 | 3°35 | 25°35 | 19°40 | 16° 6 | 21°17 | 25°50 | 26°27 | 3°18 | 12° 3 | S 28 |
| M29 | 14 46 34 | 12°59'04 | 4♈14 | 4°43 | 24°33 | 28°32 | 3°41 | 25°41 | 19°41 | 16° 5 | 21°16 | 25°42 | 26°24 | 3°25 | 12° 6 | M29 |
| T 30 | 14 50 30 | 13♉56'45 | 16♈30 | 5♊58 | 25♊41 | 29♒15 | 3♌47 | 25♓47 | 19♒42 | 16♐ 3 | 21♎14 | 25♋31 | 26♋20 | 3♊31 | 12♈ 9 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 6n17 | 5s55 | 4s10 | 3n39 | 1s 5 | 19n42 | 1n19 | 19s34 | 1s18 | 20n49 | 0n59 | 4s52 | 2s 5 | 15s54 | 0s42 | 21s32 | 1n22 | 7n21 | 17n12 | 20n33 | 20n42 | 16n 4 | 6n20 | 2n21 |
| T 2 | 6 40 | 1 24 | 4 40 | 4 36 | 0 56 | 20 3 | 1 22 | 19 24 | 1 19 | 20 48 | 0 58 | 4 49 | 2 6 | 15 53 | 0 42 | 21 32 | 1 22 | 7 21 | 17 12 | 20 36 | 20 43 | 16 6 | 6 22 | 2 21 |
| W 3 | 7 2 | 3n 8 | 4 57 | 5 34 | 0 47 | 20 23 | 1 25 | 19 13 | 1 20 | 20 48 | 0 58 | 4 47 | 2 6 | 15 52 | 0 42 | 21 32 | 1 22 | 7 22 | 17 13 | 20 38 | 20 43 | 16 8 | 6 23 | 2 21 |
| T 4 | 7 25 | 7 29 | 4 59 | 6 32 | 0 37 | 20 43 | 1 28 | 19 2 | 1 21 | 20 47 | 0 58 | 4 44 | 2 6 | 15 52 | 0 42 | 21 31 | 1 22 | 7 23 | 17 13 | 20 41 | 20 44 | 16 10 | 6 25 | 2 21 |
| F 5 | 7 47 | 11 29 | 4 49 | 7 29 | 0 27 | 21 3 | 1 30 | 18 51 | 1 22 | 20 47 | 0 58 | 4 41 | 2 6 | 15 51 | 0 42 | 21 31 | 1 22 | 7 23 | 17 13 | 20 44 | 20 44 | 16 11 | 6 26 | 2 21 |
| S 6 | 8 9 | 15 1 | 4 25 | 8 27 | 0 17 | 21 22 | 1 33 | 18 40 | 1 23 | 20 46 | 0 58 | 4 39 | 2 6 | 15 50 | 0 42 | 21 31 | 1 22 | 7 24 | 17 13 | 20 46 | 20 45 | 16 13 | 6 27 | 2 21 |
| S 7 | 8 31 | 17 55 | 3 50 | 9 25 | 0 6 | 21 40 | 1 36 | 18 29 | 1 24 | 20 45 | 0 58 | 4 36 | 2 6 | 15 50 | 0 42 | 21 31 | 1 22 | 7 24 | 17 13 | 20 48 | 20 46 | 16 15 | 6 29 | 2 21 |
| M 8 | 8 53 | 20 4 | 3 5 | 10 22 | 0n 5 | 21 58 | 1 39 | 18 17 | 1 25 | 20 45 | 0 58 | 4 33 | 2 6 | 15 49 | 0 42 | 21 31 | 1 22 | 7 25 | 17 12 | 20 49 | 20 46 | 16 17 | 6 30 | 2 21 |
| T 9 | 9 14 | 21 21 | 2 12 | 11 18 | 0 15 | 22 15 | 1 42 | 18 5 | 1 27 | 20 44 | 0 58 | 4 31 | 2 6 | 15 49 | 0 42 | 21 31 | 1 22 | 7 26 | 17 12 | 20 50 | 20 47 | 16 19 | 6 31 | 2 21 |
| W10 | 9 36 | 21 42 | 1 13 | 12 14 | 0 26 | 22 32 | 1 44 | 17 54 | 1 28 | 20 43 | 0 58 | 4 28 | 2 7 | 15 48 | 0 42 | 21 31 | 1 22 | 7 26 | 17 12 | 20 50 | 20 48 | 16 21 | 6 33 | 2 21 |
| T 11 | 9 57 | 21 1 | 0 10 | 13 8 | 0 37 | 22 48 | 1 47 | 17 42 | 1 29 | 20 42 | 0 58 | 4 25 | 2 7 | 15 48 | 0 42 | 21 31 | 1 22 | 7 27 | 17 12 | 20 50 | 20 48 | 16 22 | 6 34 | 2 21 |
| F 12 | 10 18 | 19 19 | 0n56 | 14 2 | 0 47 | 23 4 | 1 50 | 17 30 | 1 30 | 20 41 | 0 58 | 4 23 | 2 7 | 15 47 | 0 42 | 21 31 | 1 22 | 7 27 | 17 12 | 20 50 | 20 49 | 16 24 | 6 35 | 2 21 |
| S 13 | 10 39 | 16 36 | 2 1 | 14 53 | 0 58 | 23 19 | 1 52 | 17 17 | 1 31 | 20 40 | 0 58 | 4 20 | 2 7 | 15 46 | 0 42 | 21 30 | 1 22 | 7 28 | 17 12 | 20 50 | 20 49 | 16 26 | 6 37 | 2 21 |
| S 14 | 11 0 | 12 57 | 3 1 | 15 43 | 1 8 | 23 33 | 1 55 | 17 5 | 1 32 | 20 39 | 0 57 | 4 18 | 2 7 | 15 46 | 0 42 | 21 30 | 1 22 | 7 28 | 17 12 | 20 51 | 20 50 | 16 28 | 6 38 | 2 21 |
| M15 | 11 21 | 8 29 | 3 53 | 16 31 | 1 18 | 23 47 | 1 57 | 16 52 | 1 33 | 20 38 | 0 57 | 4 15 | 2 7 | 15 45 | 0 42 | 21 30 | 1 22 | 7 29 | 17 12 | 20 52 | 20 51 | 16 30 | 6 39 | 2 21 |
| T 16 | 11 42 | 3 26 | 4 33 | 17 17 | 1 27 | 24 0 | 1 59 | 16 40 | 1 34 | 20 37 | 0 57 | 4 13 | 2 7 | 15 45 | 0 42 | 21 30 | 1 22 | 7 29 | 17 12 | 20 54 | 20 51 | 16 32 | 6 41 | 2 21 |
| W17 | 12 2 | 1s58 | 4 56 | 18 1 | 1 36 | 24 12 | 2 2 | 16 27 | 1 35 | 20 36 | 0 57 | 4 10 | 2 8 | 15 44 | 0 42 | 21 30 | 1 22 | 7 30 | 17 12 | 20 56 | 20 52 | 16 33 | 6 42 | 2 21 |
| T 18 | 12 22 | 7 22 | 4 59 | 18 42 | 1 44 | 24 24 | 2 4 | 16 14 | 1 36 | 20 35 | 0 57 | 4 8 | 2 8 | 15 44 | 0 42 | 21 30 | 1 22 | 7 30 | 17 12 | 20 58 | 20 53 | 16 35 | 6 43 | 2 20 |
| F 19 | 12 42 | 12 23 | 4 42 | 19 21 | 1 52 | 24 36 | 2 6 | 16 1 | 1 38 | 20 34 | 0 57 | 4 5 | 2 8 | 15 44 | 0 42 | 21 30 | 1 22 | 7 31 | 17 12 | 21 0 | 20 53 | 16 37 | 6 45 | 2 20 |
| S 20 | 13 2 | 16 37 | 4 5 | 19 58 | 1 59 | 24 46 | 2 8 | 15 48 | 1 39 | 20 33 | 0 57 | 4 3 | 2 8 | 15 43 | 0 42 | 21 30 | 1 22 | 7 31 | 17 11 | 21 2 | 20 54 | 16 39 | 6 46 | 2 20 |
| S 21 | 13 21 | 19 43 | 3 12 | 20 32 | 2 5 | 24 56 | 2 10 | 15 35 | 1 40 | 20 32 | 0 57 | 4 1 | 2 8 | 15 43 | 0 42 | 21 29 | 1 22 | 7 32 | 17 11 | 21 3 | 20 54 | 16 40 | 6 47 | 2 20 |
| M22 | 13 40 | 21 27 | 2 6 | 21 3 | 2 11 | 25 5 | 2 12 | 15 21 | 1 41 | 20 30 | 0 57 | 3 58 | 2 8 | 15 42 | 0 42 | 21 29 | 1 22 | 7 32 | 17 11 | 21 4 | 20 55 | 16 42 | 6 49 | 2 20 |
| T 23 | 14 0 | 21 45 | 0 54 | 21 33 | 2 15 | 25 14 | 2 14 | 15 8 | 1 42 | 20 29 | 0 57 | 3 56 | 2 9 | 15 42 | 0 42 | 21 29 | 1 22 | 7 32 | 17 11 | 21 4 | 20 56 | 16 44 | 6 50 | 2 20 |
| W24 | 14 18 | 20 39 | 0s19 | 21 59 | 2 19 | 25 22 | 2 16 | 14 54 | 1 43 | 20 28 | 0 57 | 3 54 | 2 9 | 15 42 | 0 42 | 21 29 | 1 22 | 7 33 | 17 11 | 21 4 | 20 56 | 16 46 | 6 51 | 2 20 |
| T 25 | 14 37 | 18 24 | 1 29 | 22 23 | 2 23 | 25 29 | 2 18 | 14 40 | 1 44 | 20 26 | 0 56 | 3 51 | 2 9 | 15 41 | 0 42 | 21 29 | 1 22 | 7 33 | 17 10 | 21 4 | 20 57 | 16 48 | 6 53 | 2 20 |
| F 26 | 14 55 | 15 13 | 2 33 | 22 45 | 2 25 | 25 36 | 2 20 | 14 27 | 1 45 | 20 25 | 0 56 | 3 49 | 2 9 | 15 41 | 0 42 | 21 29 | 1 22 | 7 34 | 17 10 | 21 4 | 20 57 | 16 49 | 6 54 | 2 20 |
| S 27 | 15 14 | 11 22 | 3 28 | 23 4 | 2 26 | 25 41 | 2 21 | 14 13 | 1 46 | 20 24 | 0 56 | 3 47 | 2 9 | 15 41 | 0 43 | 21 29 | 1 22 | 7 34 | 17 10 | 21 5 | 20 58 | 16 51 | 6 55 | 2 20 |
| S 28 | 15 32 | 7 6 | 4 11 | 23 21 | 2 27 | 25 47 | 2 23 | 13 59 | 1 47 | 20 22 | 0 56 | 3 45 | 2 9 | 15 40 | 0 43 | 21 28 | 1 22 | 7 34 | 17 10 | 21 6 | 20 59 | 16 53 | 6 56 | 2 20 |
| M29 | 15 49 | 2 36 | 4 41 | 23 36 | 2 27 | 25 51 | 2 24 | 13 45 | 1 49 | 20 21 | 0 56 | 3 42 | 2 10 | 15 40 | 0 43 | 21 28 | 1 22 | 7 35 | 17 10 | 21 7 | 20 59 | 16 55 | 6 58 | 2 20 |
| T 30 | 16n 7 | 1n57 | 4s58 | 23n49 | 2n26 | 25n55 | 2n25 | 13s30 | 1s50 | 20n19 | 0n56 | 3s40 | 2s10 | 15s40 | 0s43 | 21s28 | 1n22 | 7n35 | 17n 9 | 21n 9 | 21n 0 | 16n57 | 6n59 | 2n20 |

Julian Day Number = 2084571.5, Delta T = 24m46s
Ecliptic obliquity = 23°34'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'11, Lahiri = 9°51'12 Julian Calendar 1 Apr. 995 == Greg. Calendar 6 Apr. 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## MAY 995 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 14 54 27 | 14♉54'26 | 28♈38 | 7♊ 8 | 26♊48 | 29♒58 | 3♌53 | 25♓53 | 19♒43 | 16°R 2 | 21°R13 | 25°R19 | 26♋17 | 3♊38 | 12♈12 | W 1 |
| T 2 | 14 58 23 | 15°52'05 | 10♉40 | 8°16 | 27°55 | 0♓42 | 4° 0 | 25°58 | 19°44 | 16♐ 1 | 21♎11 | 25♋ 6 | 26°14 | 3°45 | 12°15 | T 2 |
| F 3 | 15 2 20 | 16°49'43 | 22°35 | 9°19 | 29° 2 | 1°25 | 4° 6 | 26° 4 | 19°45 | 15°59 | 21°10 | 24°54 | 26°11 | 3°52 | 12°18 | F 3 |
| S 4 | 15 6 17 | 17°47'19 | 4♊27 | 10°18 | 0♋ 8 | 2° 8 | 4°13 | 26°10 | 19°46 | 15°58 | 21° 8 | 24°43 | 26° 8 | 3°58 | 12°22 | S 4 |
| S 5 | 15 10 13 | 18°44'55 | 16°16 | 11°13 | 1°15 | 2°51 | 4°20 | 26°15 | 19°46 | 15°57 | 21° 7 | 24°35 | 26° 4 | 4° 5 | 12°25 | S 5 |
| M 6 | 15 14 10 | 19°42'29 | 28° 5 | 12° 4 | 2°21 | 3°34 | 4°27 | 26°21 | 19°47 | 15°55 | 21° 5 | 24°29 | 26° 1 | 4°12 | 12°28 | M 6 |
| T 7 | 15 18 6 | 20°40'02 | 9♋57 | 12°51 | 3°28 | 4°17 | 4°34 | 26°26 | 19°48 | 15°54 | 21° 4 | 24°26 | 25°58 | 4°18 | 12°31 | T 7 |
| W 8 | 15 22 3 | 21°37'33 | 21°55 | 13°34 | 4°34 | 4°59 | 4°42 | 26°32 | 19°48 | 15°52 | 21° 3 | 24°D25 | 25°55 | 4°25 | 12°34 | W 8 |
| T 9 | 15 25 59 | 22°35'03 | 4♌ 5 | 14°12 | 5°40 | 5°42 | 4°49 | 26°37 | 19°49 | 15°51 | 21° 1 | 24°25 | 25°52 | 4°32 | 12°36 | T 9 |
| F 10 | 15 29 56 | 23°32'32 | 16°30 | 14°46 | 6°45 | 6°25 | 4°57 | 26°42 | 19°49 | 15°49 | 21° 0 | 24°26 | 25°49 | 4°38 | 12°39 | F 10 |
| S 11 | 15 33 52 | 24°29'59 | 29°15 | 15°16 | 7°51 | 7° 8 | 5° 5 | 26°47 | 19°50 | 15°48 | 20°58 | 24°R26 | 25°45 | 4°45 | 12°42 | S 11 |
| S 12 | 15 37 49 | 25°27'25 | 12♍26 | 15°41 | 8°56 | 7°50 | 5°12 | 26°52 | 19°50 | 15°46 | 20°57 | 24°24 | 25°42 | 4°52 | 12°45 | S 12 |
| M13 | 15 41 46 | 26°24'49 | 26° 5 | 16° 1 | 10° 1 | 8°33 | 5°20 | 26°57 | 19°51 | 15°45 | 20°56 | 24°21 | 25°39 | 4°58 | 12°48 | M13 |
| T 14 | 15 45 42 | 27°22'13 | 10♎13 | 16°17 | 11° 6 | 9°15 | 5°28 | 27° 2 | 19°51 | 15°43 | 20°55 | 24°15 | 25°36 | 5° 5 | 12°51 | T 14 |
| W15 | 15 49 39 | 28°19'35 | 24°50 | 16°28 | 12°10 | 9°58 | 5°37 | 27° 7 | 19°51 | 15°42 | 20°53 | 24° 8 | 25°33 | 5°12 | 12°53 | W15 |
| T 16 | 15 53 35 | 29°16'56 | 9♏49 | 16°35 | 13°15 | 10°40 | 5°45 | 27°12 | 19°51 | 15°40 | 20°52 | 24° 0 | 25°30 | 5°19 | 12°56 | T 16 |
| F 17 | 15 57 32 | 0♊14'16 | 25° 2 | 16°R37 | 14°19 | 11°23 | 5°53 | 27°17 | 19°52 | 15°39 | 20°51 | 23°52 | 25°26 | 5°25 | 12°59 | F 17 |
| S 18 | 16 1 28 | 1°11'36 | 10♐20 | 16°34 | 15°23 | 12° 5 | 6° 2 | 27°21 | 19°52 | 15°37 | 20°50 | 23°46 | 25°23 | 5°32 | 13° 1 | S 18 |
| S 19 | 16 5 25 | 2° 8'54 | 25°30 | 16°27 | 16°26 | 12°47 | 6°10 | 27°26 | 19°52 | 15°36 | 20°48 | 23°41 | 25°20 | 5°39 | 13° 4 | S 19 |
| M20 | 16 9 21 | 3° 6'12 | 10♑24 | 16°16 | 17°30 | 13°29 | 6°19 | 27°31 | 19°R52 | 15°34 | 20°47 | 23°38 | 25°17 | 5°45 | 13° 6 | M20 |
| T 21 | 16 13 18 | 4° 3'30 | 24°56 | 16° 1 | 18°33 | 14°11 | 6°28 | 27°35 | 19°52 | 15°33 | 20°46 | 23°D37 | 25°14 | 5°52 | 13° 9 | T 21 |
| W22 | 16 17 15 | 5° 0'46 | 9♒ 1 | 15°42 | 19°36 | 14°53 | 6°37 | 27°39 | 19°52 | 15°31 | 20°45 | 23°38 | 25°10 | 5°59 | 13°12 | W22 |
| T 23 | 16 21 11 | 5°58'03 | 22°39 | 15°19 | 20°38 | 15°35 | 6°46 | 27°44 | 19°52 | 15°29 | 20°44 | 23°39 | 25° 7 | 6° 5 | 13°14 | T 23 |
| F 24 | 16 25 8 | 6°55'19 | 5♓53 | 14°54 | 21°40 | 16°17 | 6°55 | 27°48 | 19°52 | 15°28 | 20°43 | 23°R40 | 25° 4 | 6°12 | 13°16 | F 24 |
| S 25 | 16 29 4 | 7°52'34 | 18°45 | 14°25 | 22°42 | 16°59 | 7° 5 | 27°52 | 19°51 | 15°26 | 20°42 | 23°39 | 25° 1 | 6°19 | 13°19 | S 25 |
| S 26 | 16 33 1 | 8°49'49 | 1♈18 | 13°55 | 23°44 | 17°40 | 7°14 | 27°56 | 19°51 | 15°25 | 20°41 | 23°37 | 24°58 | 6°25 | 13°21 | S 26 |
| M27 | 16 36 57 | 9°47'04 | 13°37 | 13°22 | 24°46 | 18°22 | 7°23 | 28° 0 | 19°51 | 15°23 | 20°40 | 23°33 | 24°55 | 6°32 | 13°23 | M27 |
| T 28 | 16 40 54 | 10°44'19 | 25°45 | 12°49 | 25°47 | 19° 4 | 7°33 | 28° 4 | 19°50 | 15°21 | 20°39 | 23°27 | 24°51 | 6°39 | 13°26 | T 28 |
| W29 | 16 44 50 | 11°41'33 | 7♉45 | 12°15 | 26°47 | 19°45 | 7°43 | 28° 8 | 19°50 | 15°20 | 20°38 | 23°20 | 24°48 | 6°46 | 13°28 | W29 |
| T 30 | 16 48 47 | 12°38'47 | 19°39 | 11°41 | 27°48 | 20°26 | 7°52 | 28°11 | 19°50 | 15°18 | 20°37 | 23°12 | 24°45 | 6°52 | 13°30 | T 30 |
| F 31 | 16 52 44 | 13♊36'01 | 1♊30 | 11♊ 7 | 28♋48 | 21♓ 7 | 8♌ 2 | 28♓15 | 19♒49 | 15♐17 | 20♎37 | 23♋ 5 | 24♋42 | 6♊59 | 13♈32 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16n24 | 6n22 | 5s 1 | 23n59 | 2n24 | 25n58 | 2n27 | 13s16 | 1s51 | 20n18 | 0n56 | 3s38 | 2s10 | 15s39 | 0s43 | 21s28 | 1n22 | 7n35 | 17n 9 | 21n11 | 21n 0 | 16n58 | 7n 0 | 2n20 |
| T 2 | 16 41 | 10 30 | 4 51 | 24 7 | 2 21 | 26 1 | 2 28 | 13 2 | 1 52 | 20 16 | 0 56 | 3 36 | 2 10 | 15 39 | 0 43 | 21 28 | 1 22 | 7 36 | 17 9 | 21 14 | 21 1 | 17 0 | 7 1 | 2 20 |
| F 3 | 16 57 | 14 12 | 4 28 | 24 14 | 2 17 | 26 3 | 2 29 | 12 47 | 1 53 | 20 14 | 0 56 | 3 34 | 2 10 | 15 39 | 0 43 | 21 28 | 1 22 | 7 36 | 17 9 | 21 16 | 21 2 | 17 2 | 7 3 | 2 20 |
| S 4 | 17 14 | 17 20 | 3 53 | 24 18 | 2 13 | 26 4 | 2 30 | 12 33 | 1 54 | 20 13 | 0 56 | 3 32 | 2 11 | 15 39 | 0 43 | 21 27 | 1 22 | 7 36 | 17 8 | 21 18 | 21 2 | 17 4 | 7 4 | 2 20 |
| S 5 | 17 30 | 19 44 | 3 8 | 24 20 | 2 7 | 26 4 | 2 31 | 12 18 | 1 55 | 20 11 | 0 56 | 3 30 | 2 11 | 15 39 | 0 43 | 21 27 | 1 22 | 7 36 | 17 8 | 21 19 | 21 3 | 17 5 | 7 5 | 2 20 |
| M 6 | 17 45 | 21 18 | 2 16 | 24 21 | 2 1 | 26 4 | 2 31 | 12 3 | 1 56 | 20 9 | 0 56 | 3 28 | 2 11 | 15 38 | 0 43 | 21 27 | 1 22 | 7 37 | 17 8 | 21 20 | 21 3 | 17 7 | 7 6 | 2 20 |
| T 7 | 18 1 | 21 55 | 1 16 | 24 20 | 1 53 | 26 3 | 2 32 | 11 49 | 1 57 | 20 7 | 0 56 | 3 26 | 2 11 | 15 38 | 0 43 | 21 27 | 1 22 | 7 37 | 17 7 | 21 21 | 21 4 | 17 9 | 7 7 | 2 21 |
| W 8 | 18 16 | 21 33 | 0 13 | 24 17 | 1 45 | 26 2 | 2 32 | 11 34 | 1 58 | 20 5 | 0 55 | 3 24 | 2 11 | 15 38 | 0 43 | 21 27 | 1 22 | 7 37 | 17 7 | 21 21 | 21 5 | 17 11 | 7 9 | 2 21 |
| T 9 | 18 31 | 20 10 | 0n52 | 24 13 | 1 36 | 25 59 | 2 33 | 11 19 | 1 59 | 20 3 | 0 55 | 3 22 | 2 12 | 15 38 | 0 43 | 21 27 | 1 22 | 7 37 | 17 7 | 21 21 | 21 5 | 17 12 | 7 10 | 2 21 |
| F 10 | 18 46 | 17 49 | 1 55 | 24 7 | 1 26 | 25 57 | 2 33 | 11 4 | 2 0 | 20 2 | 0 55 | 3 20 | 2 12 | 15 38 | 0 43 | 21 27 | 1 22 | 7 37 | 17 6 | 21 21 | 21 6 | 17 14 | 7 11 | 2 21 |
| S 11 | 19 0 | 14 32 | 2 55 | 23 59 | 1 15 | 25 53 | 2 33 | 10 49 | 2 1 | 20 0 | 0 55 | 3 18 | 2 12 | 15 38 | 0 43 | 21 26 | 1 22 | 7 38 | 17 6 | 21 21 | 21 6 | 17 16 | 7 12 | 2 21 |
| S 12 | 19 14 | 10 26 | 3 48 | 23 50 | 1 3 | 25 49 | 2 33 | 10 34 | 2 2 | 19 58 | 0 55 | 3 16 | 2 12 | 15 38 | 0 43 | 21 26 | 1 23 | 7 38 | 17 6 | 21 21 | 21 7 | 17 18 | 7 13 | 2 21 |
| M13 | 19 27 | 5 41 | 4 30 | 23 40 | 0 50 | 25 44 | 2 33 | 10 19 | 2 3 | 19 56 | 0 55 | 3 14 | 2 12 | 15 37 | 0 43 | 21 26 | 1 23 | 7 38 | 17 5 | 21 22 | 21 8 | 17 19 | 7 14 | 2 21 |
| T 14 | 19 41 | 0 29 | 4 57 | 23 28 | 0 37 | 25 39 | 2 33 | 10 4 | 2 4 | 19 54 | 0 55 | 3 13 | 2 13 | 15 37 | 0 43 | 21 26 | 1 23 | 7 38 | 17 5 | 21 23 | 21 8 | 17 21 | 7 15 | 2 21 |
| W15 | 19 54 | 4s55 | 5 6 | 23 15 | 0 23 | 25 33 | 2 33 | 9 48 | 2 6 | 19 51 | 0 55 | 3 11 | 2 13 | 15 37 | 0 43 | 21 26 | 1 23 | 7 38 | 17 4 | 21 24 | 21 9 | 17 23 | 7 16 | 2 21 |
| T 16 | 20 6 | 10 11 | 4 54 | 23 1 | 0 8 | 25 26 | 2 32 | 9 33 | 2 7 | 19 49 | 0 55 | 3 9 | 2 13 | 15 37 | 0 43 | 21 26 | 1 23 | 7 38 | 17 4 | 21 25 | 21 9 | 17 24 | 7 18 | 2 21 |
| F 17 | 20 19 | 14 53 | 4 22 | 22 46 | 0s 7 | 25 19 | 2 32 | 9 18 | 2 8 | 19 47 | 0 55 | 3 8 | 2 13 | 15 37 | 0 43 | 21 25 | 1 23 | 7 38 | 17 4 | 21 27 | 21 10 | 17 26 | 7 19 | 2 21 |
| S 18 | 20 31 | 18 38 | 3 31 | 22 30 | 0 23 | 25 11 | 2 31 | 9 3 | 2 9 | 19 45 | 0 55 | 3 6 | 2 14 | 15 37 | 0 43 | 21 25 | 1 23 | 7 38 | 17 3 | 21 28 | 21 11 | 17 28 | 7 20 | 2 21 |
| S 19 | 20 42 | 21 4 | 2 25 | 22 13 | 0 40 | 25 2 | 2 30 | 8 47 | 2 10 | 19 43 | 0 55 | 3 4 | 2 14 | 15 37 | 0 43 | 21 25 | 1 23 | 7 38 | 17 3 | 21 29 | 21 11 | 17 30 | 7 21 | 2 21 |
| M20 | 20 53 | 21 59 | 1 11 | 21 55 | 0 56 | 24 53 | 2 30 | 8 32 | 2 11 | 19 41 | 0 55 | 3 3 | 2 14 | 15 37 | 0 43 | 21 25 | 1 23 | 7 38 | 17 2 | 21 29 | 21 12 | 17 31 | 7 22 | 2 21 |
| T 21 | 21 4 | 21 22 | 0s 7 | 21 37 | 1 13 | 24 44 | 2 28 | 8 17 | 2 12 | 19 38 | 0 55 | 3 1 | 2 14 | 15 37 | 0 43 | 21 25 | 1 23 | 7 38 | 17 2 | 21 29 | 21 12 | 17 33 | 7 23 | 2 21 |
| W22 | 21 15 | 19 25 | 1 22 | 21 18 | 1 30 | 24 33 | 2 27 | 8 1 | 2 13 | 19 36 | 0 55 | 3 0 | 2 15 | 15 37 | 0 43 | 21 25 | 1 23 | 7 38 | 17 2 | 21 29 | 21 13 | 17 35 | 7 24 | 2 21 |
| T 23 | 21 25 | 16 24 | 2 30 | 20 59 | 1 47 | 24 23 | 2 26 | 7 46 | 2 14 | 19 34 | 0 54 | 2 58 | 2 15 | 15 37 | 0 44 | 21 24 | 1 23 | 7 38 | 17 1 | 21 29 | 21 13 | 17 37 | 7 25 | 2 21 |
| F 24 | 21 35 | 12 37 | 3 28 | 20 39 | 2 4 | 24 11 | 2 24 | 7 30 | 2 15 | 19 31 | 0 54 | 2 57 | 2 15 | 15 38 | 0 44 | 21 24 | 1 23 | 7 38 | 17 1 | 21 29 | 21 14 | 17 38 | 7 26 | 2 21 |
| S 25 | 21 44 | 8 22 | 4 14 | 20 19 | 2 21 | 23 59 | 2 23 | 7 15 | 2 16 | 19 29 | 0 54 | 2 55 | 2 15 | 15 38 | 0 44 | 21 24 | 1 23 | 7 38 | 17 0 | 21 29 | 21 15 | 17 40 | 7 27 | 2 21 |
| S 26 | 21 54 | 3 51 | 4 46 | 20 0 | 2 37 | 23 47 | 2 21 | 6 59 | 2 17 | 19 26 | 0 54 | 2 54 | 2 16 | 15 38 | 0 44 | 21 24 | 1 23 | 7 38 | 17 0 | 21 29 | 21 15 | 17 42 | 7 28 | 2 21 |
| M27 | 22 2 | 0n44 | 5 4 | 19 41 | 2 52 | 23 34 | 2 19 | 6 44 | 2 17 | 19 24 | 0 54 | 2 52 | 2 16 | 15 38 | 0 44 | 21 24 | 1 23 | 7 38 | 16 59 | 21 30 | 21 16 | 17 43 | 7 29 | 2 21 |
| T 28 | 22 11 | 5 13 | 5 9 | 19 22 | 3 7 | 23 21 | 2 17 | 6 28 | 2 18 | 19 21 | 0 54 | 2 51 | 2 16 | 15 38 | 0 44 | 21 23 | 1 23 | 7 38 | 16 59 | 21 31 | 21 16 | 17 45 | 7 30 | 2 21 |
| W29 | 22 19 | 9 27 | 4 59 | 19 4 | 3 21 | 23 7 | 2 15 | 6 13 | 2 19 | 19 19 | 0 54 | 2 50 | 2 16 | 15 38 | 0 44 | 21 23 | 1 23 | 7 38 | 16 58 | 21 32 | 21 17 | 17 47 | 7 31 | 2 21 |
| T 30 | 22 26 | 13 18 | 4 37 | 18 47 | 3 33 | 22 53 | 2 13 | 5 57 | 2 20 | 19 16 | 0 54 | 2 49 | 2 17 | 15 38 | 0 44 | 21 23 | 1 23 | 7 38 | 16 58 | 21 34 | 21 17 | 17 48 | 7 31 | 2 21 |
| F 31 | 22n33 | 16n37 | 4s 3 | 18n31 | 3s45 | 22n38 | 2n10 | 5s42 | 2s21 | 19n14 | 0n54 | 2s47 | 2s17 | 15s39 | 0s44 | 21s23 | 1n23 | 7n38 | 16n57 | 21n35 | 21n18 | 17n50 | 7n32 | 2n21 |

Julian Day Number = 2084601.5, Delta T = 24m46s
Ecliptic obliquity = 23°34'06, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'15, Lahiri = 9°51'16 Julian Calendar 1 May 995 == Greg. Calendar 6 May 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## JUNE 995 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 16 56 40 | 14♊33'14 | 13♊20 | 10°R34 | 29♋48 | 21♓49 | 8♌12 | 28♓18 | 19°R48 | 15°R15 | 20°R36 | 22°R58 | 24♋39 | 7♊ 6 | 13♈34 | S 1 |
| S 2 | 17 0 37 | 15°30'27 | 25°10 | 10♊ 4 | 0♌47 | 22°29 | 8°22 | 28°22 | 19♒48 | 15♐13 | 20♎35 | 22♋54 | 24°36 | 7°12 | 13°36 | S 2 |
| M 3 | 17 4 33 | 16°27'39 | 7♋ 2 | 9°35 | 1°46 | 23°10 | 8°32 | 28°25 | 19°47 | 15°12 | 20°34 | 22°51 | 24°32 | 7°19 | 13°38 | M 3 |
| T 4 | 17 8 30 | 17°24'52 | 19° 0 | 9° 9 | 2°45 | 23°51 | 8°43 | 28°28 | 19°47 | 15°10 | 20°33 | 22°D49 | 24°29 | 7°26 | 13°40 | T 4 |
| W 5 | 17 12 26 | 18°22'03 | 1♌ 4 | 8°46 | 3°43 | 24°32 | 8°53 | 28°32 | 19°46 | 15° 8 | 20°33 | 22°50 | 24°26 | 7°32 | 13°42 | W 5 |
| T 6 | 17 16 23 | 19°19'15 | 13°20 | 8°27 | 4°41 | 25°12 | 9° 3 | 28°35 | 19°45 | 15° 7 | 20°32 | 22°51 | 24°23 | 7°39 | 13°44 | T 6 |
| F 7 | 17 20 20 | 20°16'25 | 25°49 | 8°11 | 5°38 | 25°53 | 9°14 | 28°38 | 19°44 | 15° 5 | 20°31 | 22°52 | 24°20 | 7°46 | 13°46 | F 7 |
| S 8 | 17 24 16 | 21°13'36 | 8♍37 | 8° 0 | 6°35 | 26°33 | 9°24 | 28°41 | 19°43 | 15° 4 | 20°31 | 22°54 | 24°16 | 7°52 | 13°48 | S 8 |
| S 9 | 17 28 13 | 22°10'46 | 21°45 | 7°53 | 7°32 | 27°13 | 9°35 | 28°43 | 19°42 | 15° 2 | 20°30 | 22°R54 | 24°13 | 7°59 | 13°50 | S 9 |
| M10 | 17 32 9 | 23° 7'55 | 5♎19 | 7°D51 | 8°28 | 27°53 | 9°46 | 28°46 | 19°41 | 15° 0 | 20°30 | 22°54 | 24°10 | 8° 6 | 13°51 | M10 |
| T 11 | 17 36 6 | 24° 5'04 | 19°18 | 7°53 | 9°23 | 28°33 | 9°56 | 28°49 | 19°40 | 14°59 | 20°29 | 22°52 | 24° 7 | 8°12 | 13°53 | T 11 |
| W12 | 17 40 2 | 25° 2'13 | 3♏42 | 8° 1 | 10°18 | 29°13 | 10° 7 | 28°51 | 19°39 | 14°57 | 20°29 | 22°49 | 24° 4 | 8°19 | 13°55 | W12 |
| T 13 | 17 43 59 | 25°59'21 | 18°29 | 8°13 | 11°13 | 29°53 | 10°18 | 28°54 | 19°38 | 14°56 | 20°28 | 22°46 | 24° 1 | 8°26 | 13°56 | T 13 |
| F 14 | 17 47 55 | 26°56'29 | 3♐31 | 8°30 | 12° 7 | 0♈32 | 10°29 | 28°56 | 19°37 | 14°54 | 20°28 | 22°42 | 23°57 | 8°33 | 13°58 | F 14 |
| S 15 | 17 51 52 | 27°53'38 | 18°42 | 8°53 | 13° 0 | 1°12 | 10°40 | 28°58 | 19°36 | 14°53 | 20°27 | 22°39 | 23°54 | 8°39 | 13°59 | S 15 |
| S 16 | 17 55 49 | 28°50'46 | 3♑50 | 9°20 | 13°53 | 1°51 | 10°52 | 29° 0 | 19°35 | 14°51 | 20°27 | 22°37 | 23°51 | 8°46 | 14° 1 | S 16 |
| M17 | 17 59 45 | 29°47'55 | 18°47 | 9°52 | 14°45 | 2°30 | 11° 3 | 29° 2 | 19°34 | 14°49 | 20°27 | 22°D36 | 23°48 | 8°53 | 14° 2 | M17 |
| T 18 | 18 3 42 | 0♋45'03 | 3♒25 | 10°30 | 15°36 | 3° 9 | 11°14 | 29° 4 | 19°32 | 14°48 | 20°27 | 22°37 | 23°45 | 8°59 | 14° 3 | T 18 |
| W19 | 18 7 38 | 1°42'12 | 17°38 | 11°12 | 16°27 | 3°48 | 11°25 | 29° 6 | 19°31 | 14°46 | 20°26 | 22°38 | 23°42 | 9° 6 | 14° 5 | W19 |
| T 20 | 18 11 35 | 2°39'22 | 1♓25 | 11°59 | 17°18 | 4°26 | 11°37 | 29° 8 | 19°30 | 14°45 | 20°26 | 22°39 | 23°38 | 9°13 | 14° 6 | T 20 |
| F 21 | 18 15 31 | 3°36'32 | 14°46 | 12°51 | 18° 7 | 5° 5 | 11°48 | 29°10 | 19°28 | 14°43 | 20°26 | 22°40 | 23°35 | 9°19 | 14° 7 | F 21 |
| S 22 | 18 19 28 | 4°33'42 | 27°42 | 13°48 | 18°56 | 5°43 | 12° 0 | 29°11 | 19°27 | 14°42 | 20°26 | 22°41 | 23°32 | 9°26 | 14° 8 | S 22 |
| S 23 | 18 23 24 | 5°30'53 | 10♈17 | 14°49 | 19°44 | 6°21 | 12°11 | 29°13 | 19°25 | 14°40 | 20°26 | 22°R41 | 23°29 | 9°33 | 14° 9 | S 23 |
| M24 | 18 27 21 | 6°28'04 | 22°35 | 15°55 | 20°31 | 6°59 | 12°23 | 29°14 | 19°24 | 14°39 | 20°26 | 22°40 | 23°26 | 9°39 | 14°10 | M24 |
| T 25 | 18 31 18 | 7°25'17 | 4♉40 | 17° 6 | 21°18 | 7°37 | 12°35 | 29°15 | 19°22 | 14°37 | 20°25 | 22°39 | 23°22 | 9°46 | 14°11 | T 25 |
| W26 | 18 35 14 | 8°22'30 | 16°36 | 18°21 | 22° 3 | 8°15 | 12°46 | 29°16 | 19°21 | 14°36 | 20°D25 | 22°37 | 23°19 | 9°53 | 14°12 | W26 |
| T 27 | 18 39 11 | 9°19'43 | 28°27 | 19°40 | 22°48 | 8°52 | 12°58 | 29°17 | 19°19 | 14°34 | 20°25 | 22°35 | 23°16 | 9°59 | 14°13 | T 27 |
| F 28 | 18 43 7 | 10°16'57 | 10♊17 | 21° 4 | 23°32 | 9°30 | 13°10 | 29°18 | 19°17 | 14°33 | 20°26 | 22°33 | 23°13 | 10° 6 | 14°14 | F 28 |
| S 29 | 18 47 4 | 11°14'12 | 22° 7 | 22°32 | 24°15 | 10° 7 | 13°22 | 29°19 | 19°16 | 14°32 | 20°26 | 22°32 | 23°10 | 10°13 | 14°15 | S 29 |
| S 30 | 18 51 0 | 12♋11'28 | 4♋ 1 | 24♊ 5 | 24♌57 | 10♈44 | 13♌34 | 29♓20 | 19♒14 | 14♐30 | 20♎26 | 22♋31 | 23♋ 7 | 10♊19 | 14♈15 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n40 | 19n15 | 3s18 | 18n17 | 3s55 | 22n23 | 2n 7 | 5s26 | 2s22 | 19n11 | 0n54 | 2s46 | 2s17 | 15s39 | 0s44 | 21s23 | 1n23 | 7n37 | 16n57 | 21n36 | 21n19 | 17n52 | 7n33 | 2n21 |
| S 2 | 22 47 | 21 4 | 2 25 | 18 3 | 4 4 | 22 7 | 2 4 | 5 11 | 2 23 | 19 8 | 0 54 | 2 45 | 2 17 | 15 39 | 0 44 | 21 23 | 1 23 | 7 37 | 16 56 | 21 37 | 21 19 | 17 53 | 7 34 | 2 21 |
| M 3 | 22 53 | 21 58 | 1 25 | 17 52 | 4 11 | 21 51 | 2 2 | 4 56 | 2 24 | 19 6 | 0 54 | 2 44 | 2 18 | 15 39 | 0 44 | 21 22 | 1 23 | 7 37 | 16 56 | 21 37 | 21 20 | 17 55 | 7 35 | 2 21 |
| T 4 | 22 58 | 21 52 | 0 21 | 17 42 | 4 18 | 21 34 | 1 58 | 4 40 | 2 25 | 19 3 | 0 54 | 2 43 | 2 18 | 15 40 | 0 44 | 21 22 | 1 22 | 7 37 | 16 55 | 21 38 | 21 20 | 17 57 | 7 36 | 2 22 |
| W 5 | 23 3 | 20 46 | 0n45 | 17 34 | 4 22 | 21 17 | 1 55 | 4 25 | 2 26 | 19 0 | 0 54 | 2 42 | 2 18 | 15 40 | 0 44 | 21 22 | 1 22 | 7 37 | 16 55 | 21 37 | 21 21 | 17 58 | 7 36 | 2 22 |
| T 6 | 23 8 | 18 40 | 1 50 | 17 28 | 4 26 | 21 0 | 1 52 | 4 9 | 2 27 | 18 57 | 0 54 | 2 41 | 2 18 | 15 40 | 0 44 | 21 22 | 1 22 | 7 36 | 16 54 | 21 37 | 21 21 | 18 0 | 7 37 | 2 22 |
| F 7 | 23 13 | 15 39 | 2 51 | 17 23 | 4 27 | 20 42 | 1 48 | 3 54 | 2 28 | 18 54 | 0 54 | 2 40 | 2 19 | 15 40 | 0 44 | 21 22 | 1 22 | 7 36 | 16 54 | 21 37 | 21 22 | 18 2 | 7 38 | 2 22 |
| S 8 | 23 17 | 11 51 | 3 45 | 17 21 | 4 28 | 20 24 | 1 44 | 3 39 | 2 29 | 18 52 | 0 54 | 2 39 | 2 19 | 15 41 | 0 44 | 21 22 | 1 22 | 7 36 | 16 53 | 21 37 | 21 23 | 18 3 | 7 39 | 2 22 |
| S 9 | 23 20 | 7 24 | 4 29 | 17 21 | 4 27 | 20 6 | 1 40 | 3 24 | 2 29 | 18 49 | 0 54 | 2 38 | 2 19 | 15 41 | 0 44 | 21 21 | 1 22 | 7 36 | 16 53 | 21 37 | 21 23 | 18 5 | 7 40 | 2 22 |
| M10 | 23 23 | 2 27 | 4 59 | 17 23 | 4 25 | 19 47 | 1 36 | 3 8 | 2 30 | 18 46 | 0 54 | 2 37 | 2 19 | 15 41 | 0 44 | 21 21 | 1 22 | 7 35 | 16 52 | 21 37 | 21 24 | 18 7 | 7 40 | 2 22 |
| T 11 | 23 26 | 2s46 | 5 13 | 17 27 | 4 21 | 19 28 | 1 32 | 2 53 | 2 31 | 18 43 | 0 54 | 2 37 | 2 20 | 15 42 | 0 44 | 21 21 | 1 22 | 7 35 | 16 52 | 21 37 | 21 24 | 18 8 | 7 41 | 2 22 |
| W12 | 23 28 | 7 59 | 5 8 | 17 32 | 4 17 | 19 9 | 1 27 | 2 38 | 2 32 | 18 40 | 0 54 | 2 36 | 2 20 | 15 42 | 0 44 | 21 21 | 1 22 | 7 35 | 16 51 | 21 38 | 21 25 | 18 10 | 7 42 | 2 22 |
| T 13 | 23 30 | 12 53 | 4 43 | 17 40 | 4 11 | 18 49 | 1 22 | 2 23 | 2 33 | 18 37 | 0 54 | 2 35 | 2 20 | 15 42 | 0 44 | 21 21 | 1 22 | 7 34 | 16 51 | 21 38 | 21 25 | 18 12 | 7 42 | 2 22 |
| F 14 | 23 32 | 17 5 | 3 58 | 17 49 | 4 5 | 18 29 | 1 17 | 2 8 | 2 34 | 18 34 | 0 54 | 2 34 | 2 21 | 15 43 | 0 44 | 21 21 | 1 22 | 7 34 | 16 50 | 21 39 | 21 26 | 18 13 | 7 43 | 2 22 |
| S 15 | 23 33 | 20 10 | 2 56 | 18 0 | 3 57 | 18 9 | 1 12 | 1 53 | 2 34 | 18 31 | 0 54 | 2 34 | 2 21 | 15 43 | 0 44 | 21 20 | 1 22 | 7 34 | 16 50 | 21 39 | 21 26 | 18 15 | 7 44 | 2 22 |
| S 16 | 23 34 | 21 49 | 1 42 | 18 12 | 3 49 | 17 49 | 1 7 | 1 38 | 2 35 | 18 28 | 0 53 | 2 33 | 2 21 | 15 44 | 0 44 | 21 20 | 1 22 | 7 33 | 16 49 | 21 40 | 21 27 | 18 17 | 7 44 | 2 22 |
| M17 | 23 34 | 21 54 | 0 21 | 18 26 | 3 39 | 17 29 | 1 1 | 1 23 | 2 36 | 18 24 | 0 53 | 2 33 | 2 21 | 15 44 | 0 44 | 21 20 | 1 22 | 7 33 | 16 48 | 21 40 | 21 28 | 18 18 | 7 45 | 2 22 |
| T 18 | 23 34 | 20 27 | 0s59 | 18 41 | 3 29 | 17 8 | 0 56 | 1 8 | 2 37 | 18 21 | 0 53 | 2 32 | 2 22 | 15 45 | 0 44 | 21 20 | 1 22 | 7 32 | 16 48 | 21 40 | 21 28 | 18 20 | 7 45 | 2 22 |
| W19 | 23 33 | 17 45 | 2 14 | 18 57 | 3 19 | 16 47 | 0 50 | 0 54 | 2 38 | 18 18 | 0 53 | 2 32 | 2 22 | 15 45 | 0 44 | 21 20 | 1 22 | 7 32 | 16 47 | 21 39 | 21 29 | 18 21 | 7 46 | 2 22 |
| T 20 | 23 32 | 14 6 | 3 18 | 19 15 | 3 8 | 16 26 | 0 44 | 0 39 | 2 38 | 18 15 | 0 53 | 2 31 | 2 22 | 15 45 | 0 45 | 21 20 | 1 22 | 7 31 | 16 47 | 21 39 | 21 29 | 18 23 | 7 47 | 2 22 |
| F 21 | 23 31 | 9 52 | 4 9 | 19 33 | 2 56 | 16 5 | 0 38 | 0 24 | 2 39 | 18 12 | 0 53 | 2 31 | 2 23 | 15 46 | 0 45 | 21 20 | 1 22 | 7 31 | 16 46 | 21 39 | 21 30 | 18 25 | 7 47 | 2 23 |
| S 22 | 23 29 | 5 18 | 4 46 | 19 52 | 2 44 | 15 43 | 0 31 | 0 10 | 2 40 | 18 8 | 0 53 | 2 30 | 2 23 | 15 46 | 0 45 | 21 19 | 1 22 | 7 30 | 16 46 | 21 39 | 21 30 | 18 26 | 7 48 | 2 23 |
| S 23 | 23 27 | 0 38 | 5 9 | 20 11 | 2 31 | 15 22 | 0 24 | 0n 5 | 2 41 | 18 5 | 0 53 | 2 30 | 2 23 | 15 47 | 0 45 | 21 19 | 1 22 | 7 30 | 16 45 | 21 39 | 21 31 | 18 28 | 7 48 | 2 23 |
| M24 | 23 25 | 3n57 | 5 16 | 20 31 | 2 19 | 15 0 | 0 18 | 0 19 | 2 41 | 18 2 | 0 53 | 2 30 | 2 23 | 15 47 | 0 45 | 21 19 | 1 22 | 7 29 | 16 44 | 21 39 | 21 31 | 18 30 | 7 48 | 2 23 |
| T 25 | 23 22 | 8 18 | 5 9 | 20 51 | 2 5 | 14 39 | 0 10 | 0 34 | 2 42 | 17 58 | 0 53 | 2 30 | 2 24 | 15 48 | 0 45 | 21 19 | 1 22 | 7 29 | 16 44 | 21 39 | 21 32 | 18 31 | 7 49 | 2 23 |
| W26 | 23 18 | 12 16 | 4 49 | 21 12 | 1 52 | 14 17 | 0 3 | 0 48 | 2 43 | 17 55 | 0 53 | 2 29 | 2 24 | 15 48 | 0 45 | 21 19 | 1 22 | 7 28 | 16 43 | 21 40 | 21 32 | 18 33 | 7 49 | 2 23 |
| T 27 | 23 14 | 15 45 | 4 16 | 21 31 | 1 39 | 13 55 | 0s 4 | 1 2 | 2 43 | 17 52 | 0 53 | 2 29 | 2 24 | 15 49 | 0 45 | 21 19 | 1 22 | 7 28 | 16 43 | 21 40 | 21 33 | 18 34 | 7 50 | 2 23 |
| F 28 | 23 10 | 18 36 | 3 33 | 21 51 | 1 25 | 13 33 | 0 12 | 1 16 | 2 44 | 17 48 | 0 53 | 2 29 | 2 25 | 15 50 | 0 45 | 21 19 | 1 22 | 7 27 | 16 42 | 21 40 | 21 34 | 18 36 | 7 50 | 2 23 |
| S 29 | 23 5 | 20 40 | 2 41 | 22 10 | 1 12 | 13 12 | 0 20 | 1 30 | 2 45 | 17 45 | 0 53 | 2 29 | 2 25 | 15 50 | 0 45 | 21 18 | 1 22 | 7 27 | 16 41 | 21 40 | 21 34 | 18 38 | 7 51 | 2 23 |
| S 30 | 23n 0 | 21n50 | 1s41 | 22n28 | 0s58 | 12n50 | 0s28 | 1n44 | 2s45 | 17n41 | 0n53 | 2s29 | 2s25 | 15s51 | 0s45 | 21s18 | 1n22 | 7n26 | 16n41 | 21n41 | 21n35 | 18n39 | 7n51 | 2n23 |

Julian Day Number = 2084632.5, Delta T = 24m46s
Ecliptic obliquity = 23°34'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'20, Lahiri = 9°51'20 Julian Calendar 1 June 995 == Greg. Calendar 6 June 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## JULY 995 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 18 54 57 | 13♋ 8'44 | 16♋ 1 | 25♊41 | 25♌38 | 11♈20 | 13♌46 | 29♓20 | 19°R12 | 14°R29 | 20♎26 | 22°R30 | 23♋ 3 | 10♊26 | 14♈16 | M 1 |
| T 2 | 18 58 53 | 14° 6'00 | 28° 9 | 27°21 | 26°18 | 11°57 | 13°58 | 29°21 | 19♒10 | 14♐27 | 20°26 | 22°D30 | 23° 0 | 10°33 | 14°17 | T 2 |
| W 3 | 19 2 50 | 15° 3'18 | 10♌26 | 29° 5 | 26°57 | 12°33 | 14°10 | 29°21 | 19° 8 | 14°26 | 20°26 | 22♋31 | 22°57 | 10°40 | 14°17 | W 3 |
| T 4 | 19 6 47 | 16° 0'35 | 22°55 | 0♋52 | 27°35 | 13° 9 | 14°23 | 29°22 | 19° 7 | 14°25 | 20°27 | 22°31 | 22°54 | 10°46 | 14°18 | T 4 |
| F 5 | 19 10 43 | 16°57'53 | 5♍37 | 2°42 | 28°11 | 13°45 | 14°35 | 29°22 | 19° 5 | 14°23 | 20°27 | 22°32 | 22°51 | 10°53 | 14°18 | F 5 |
| S 6 | 19 14 40 | 17°55'12 | 18°34 | 4°35 | 28°47 | 14°20 | 14°47 | 29°22 | 19° 3 | 14°22 | 20°27 | 22°32 | 22°48 | 11° 0 | 14°19 | S 6 |
| S 7 | 19 18 36 | 18°52'31 | 1♎48 | 6°31 | 29°21 | 14°56 | 14°59 | 29°R22 | 19° 1 | 14°21 | 20°28 | 22°33 | 22°44 | 11° 6 | 14°19 | S 7 |
| M 8 | 19 22 33 | 19°49'51 | 15°21 | 8°29 | 29°53 | 15°31 | 15°12 | 29°22 | 18°59 | 14°20 | 20°28 | 22°R33 | 22°41 | 11°13 | 14°19 | M 8 |
| T 9 | 19 26 29 | 20°47'11 | 29°14 | 10°29 | 0♍25 | 16° 6 | 15°24 | 29°22 | 18°57 | 14°18 | 20°28 | 22°33 | 22°38 | 11°20 | 14°20 | T 9 |
| W10 | 19 30 26 | 21°44'32 | 13♏25 | 12°31 | 0°55 | 16°40 | 15°37 | 29°21 | 18°55 | 14°17 | 20°29 | 22°33 | 22°35 | 11°26 | 14°20 | W10 |
| T 11 | 19 34 22 | 22°41'53 | 27°54 | 14°35 | 1°23 | 17°15 | 15°49 | 29°21 | 18°53 | 14°16 | 20°29 | 22°D33 | 22°32 | 11°33 | 14°20 | T 11 |
| F 12 | 19 38 19 | 23°39'15 | 12♐37 | 16°39 | 1°50 | 17°49 | 16° 2 | 29°21 | 18°51 | 14°15 | 20°30 | 22°33 | 22°28 | 11°40 | 14°20 | F 12 |
| S 13 | 19 42 16 | 24°36'38 | 27°27 | 18°43 | 2°16 | 18°23 | 16°14 | 29°20 | 18°49 | 14°14 | 20°30 | 22°33 | 22°25 | 11°46 | 14°R20 | S 13 |
| S 14 | 19 46 12 | 25°34'02 | 12♑18 | 20°49 | 2°39 | 18°56 | 16°27 | 29°19 | 18°46 | 14°13 | 20°31 | 22°33 | 22°22 | 11°53 | 14°20 | S 14 |
| M15 | 19 50 9 | 26°31'26 | 27° 3 | 22°54 | 3° 1 | 19°30 | 16°39 | 29°18 | 18°44 | 14°12 | 20°32 | 22°R33 | 22°19 | 12° 0 | 14°20 | M15 |
| T 16 | 19 54 5 | 27°28'52 | 11♒35 | 24°59 | 3°21 | 20° 3 | 16°52 | 29°18 | 18°42 | 14°10 | 20°32 | 22°33 | 22°16 | 12° 6 | 14°20 | T 16 |
| W17 | 19 58 2 | 28°26'19 | 25°47 | 27° 3 | 3°40 | 20°36 | 17° 5 | 29°17 | 18°40 | 14° 9 | 20°33 | 22°32 | 22°13 | 12°13 | 14°20 | W17 |
| T 18 | 20 1 58 | 29°23'46 | 9♓37 | 29° 7 | 3°56 | 21° 8 | 17°17 | 29°15 | 18°38 | 14° 8 | 20°34 | 22°32 | 22° 9 | 12°20 | 14°19 | T 18 |
| F 19 | 20 5 55 | 0♌21'15 | 23° 2 | 1♌10 | 4°11 | 21°40 | 17°30 | 29°14 | 18°36 | 14° 7 | 20°35 | 22°31 | 22° 6 | 12°26 | 14°19 | F 19 |
| S 20 | 20 9 51 | 1°18'46 | 6♈ 2 | 3°13 | 4°23 | 22°12 | 17°43 | 29°13 | 18°33 | 14° 6 | 20°35 | 22°30 | 22° 3 | 12°33 | 14°19 | S 20 |
| S 21 | 20 13 48 | 2°16'18 | 18°41 | 5°14 | 4°34 | 22°44 | 17°55 | 29°11 | 18°31 | 14° 5 | 20°36 | 22°29 | 22° 0 | 12°40 | 14°18 | S 21 |
| M22 | 20 17 45 | 3°13'51 | 1♉ 1 | 7°14 | 4°42 | 23°15 | 18° 8 | 29°10 | 18°29 | 14° 5 | 20°37 | 22°D29 | 21°57 | 12°46 | 14°18 | M22 |
| T 23 | 20 21 41 | 4°11'26 | 13° 6 | 9°12 | 4°48 | 23°46 | 18°21 | 29° 8 | 18°26 | 14° 4 | 20°38 | 22°29 | 21°53 | 12°53 | 14°17 | T 23 |
| W24 | 20 25 38 | 5° 9'02 | 25° 2 | 11°10 | 4°52 | 24°17 | 18°34 | 29° 7 | 18°24 | 14° 3 | 20°39 | 22°30 | 21°50 | 13° 0 | 14°17 | W24 |
| T 25 | 20 29 34 | 6° 6'40 | 6♊53 | 13° 6 | 4°R54 | 24°47 | 18°47 | 29° 5 | 18°22 | 14° 2 | 20°40 | 22°31 | 21°47 | 13° 6 | 14°16 | T 25 |
| F 26 | 20 33 31 | 7° 4'20 | 18°42 | 15° 0 | 4°54 | 25°17 | 19° 0 | 29° 3 | 18°20 | 14° 1 | 20°41 | 22°32 | 21°44 | 13°13 | 14°16 | F 26 |
| S 27 | 20 37 27 | 8° 2'01 | 0♋35 | 16°54 | 4°51 | 25°46 | 19°13 | 29° 1 | 18°17 | 14° 0 | 20°42 | 22°33 | 21°41 | 13°20 | 14°15 | S 27 |
| S 28 | 20 41 24 | 8°59'43 | 12°35 | 18°45 | 4°46 | 26°16 | 19°26 | 28°59 | 18°15 | 14° 0 | 20°43 | 22°34 | 21°38 | 13°26 | 14°14 | S 28 |
| M29 | 20 45 20 | 9°57'27 | 24°45 | 20°36 | 4°38 | 26°44 | 19°38 | 28°57 | 18°12 | 13°59 | 20°44 | 22°R34 | 21°34 | 13°33 | 14°13 | M29 |
| T 30 | 20 49 17 | 10°55'13 | 7♌ 6 | 22°25 | 4°28 | 27°13 | 19°51 | 28°54 | 18°10 | 13°58 | 20°45 | 22°34 | 21°31 | 13°40 | 14°13 | T 30 |
| W31 | 20 53 14 | 11♌53'00 | 19♌40 | 24♌12 | 4♍16 | 27♈41 | 20♌ 4 | 28♓52 | 18♒ 8 | 13♐57 | 20♎46 | 22♋32 | 21♋28 | 13♊47 | 14♈12 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n55 | 22n 0 | 0s36 | 22n45 | 0s45 | 12n28 | 0s37 | 1n58 | 2s46 | 17n38 | 0n53 | 2s29 | 2s25 | 15s51 | 0s45 | 21s18 | 1n22 | 7n26 | 16n40 | 21n41 | 21n35 | 18n41 | 7n51 | 2n23 |
| T 2 | 22 49 | 21 9 | 0n31 | 23 1 | 0 32 | 12 7 | 0 45 | 2 11 | 2 47 | 17 34 | 0 53 | 2 29 | 2 26 | 15 52 | 0 45 | 21 18 | 1 22 | 7 25 | 16 40 | 21 41 | 21 36 | 18 42 | 7 51 | 2 23 |
| W 3 | 22 43 | 19 17 | 1 38 | 23 15 | 0 19 | 11 45 | 0 54 | 2 25 | 2 47 | 17 31 | 0 53 | 2 29 | 2 26 | 15 52 | 0 45 | 21 18 | 1 22 | 7 24 | 16 39 | 21 41 | 21 36 | 18 44 | 7 52 | 2 23 |
| T 4 | 22 36 | 16 29 | 2 41 | 23 27 | 0 7 | 11 24 | 1 3 | 2 39 | 2 48 | 17 27 | 0 53 | 2 29 | 2 26 | 15 53 | 0 45 | 21 18 | 1 22 | 7 24 | 16 39 | 21 41 | 21 37 | 18 46 | 7 52 | 2 23 |
| F 5 | 22 29 | 12 52 | 3 37 | 23 38 | 0n 6 | 11 2 | 1 12 | 2 52 | 2 49 | 17 24 | 0 53 | 2 30 | 2 27 | 15 54 | 0 45 | 21 18 | 1 22 | 7 23 | 16 38 | 21 40 | 21 37 | 18 47 | 7 52 | 2 24 |
| S 6 | 22 22 | 8 35 | 4 23 | 23 46 | 0 17 | 10 41 | 1 22 | 3 5 | 2 49 | 17 20 | 0 53 | 2 30 | 2 27 | 15 54 | 0 45 | 21 18 | 1 22 | 7 22 | 16 37 | 21 40 | 21 38 | 18 49 | 7 53 | 2 24 |
| S 7 | 22 14 | 3 49 | 4 57 | 23 53 | 0 28 | 10 20 | 1 32 | 3 18 | 2 50 | 17 16 | 0 53 | 2 30 | 2 27 | 15 55 | 0 45 | 21 18 | 1 22 | 7 22 | 16 37 | 21 40 | 21 38 | 18 50 | 7 53 | 2 24 |
| M 8 | 22 6 | 1s14 | 5 15 | 23 56 | 0 39 | 9 59 | 1 42 | 3 31 | 2 50 | 17 13 | 0 53 | 2 30 | 2 27 | 15 56 | 0 45 | 21 17 | 1 22 | 7 21 | 16 36 | 21 40 | 21 39 | 18 52 | 7 53 | 2 24 |
| T 9 | 21 57 | 6 21 | 5 15 | 23 57 | 0 48 | 9 39 | 1 52 | 3 44 | 2 51 | 17 9 | 0 53 | 2 31 | 2 28 | 15 56 | 0 45 | 21 17 | 1 22 | 7 20 | 16 36 | 21 40 | 21 39 | 18 53 | 7 53 | 2 24 |
| W10 | 21 48 | 11 14 | 4 57 | 23 56 | 0 58 | 9 18 | 2 2 | 3 57 | 2 51 | 17 5 | 0 53 | 2 31 | 2 28 | 15 57 | 0 45 | 21 17 | 1 22 | 7 20 | 16 35 | 21 40 | 21 40 | 18 55 | 7 53 | 2 24 |
| T 11 | 21 39 | 15 35 | 4 19 | 23 52 | 1 6 | 8 58 | 2 13 | 4 10 | 2 52 | 17 2 | 0 53 | 2 31 | 2 28 | 15 58 | 0 45 | 21 17 | 1 22 | 7 19 | 16 34 | 21 40 | 21 40 | 18 56 | 7 53 | 2 24 |
| F 12 | 21 29 | 19 3 | 3 24 | 23 44 | 1 14 | 8 39 | 2 24 | 4 22 | 2 52 | 16 58 | 0 53 | 2 32 | 2 29 | 15 58 | 0 45 | 21 17 | 1 22 | 7 18 | 16 34 | 21 40 | 21 41 | 18 58 | 7 53 | 2 24 |
| S 13 | 21 19 | 21 18 | 2 15 | 23 35 | 1 20 | 8 19 | 2 35 | 4 35 | 2 53 | 16 54 | 0 53 | 2 32 | 2 29 | 15 59 | 0 45 | 21 17 | 1 22 | 7 17 | 16 33 | 21 40 | 21 42 | 19 0 | 7 54 | 2 24 |
| S 14 | 21 9 | 22 3 | 0 57 | 23 22 | 1 26 | 8 0 | 2 46 | 4 47 | 2 53 | 16 50 | 0 53 | 2 33 | 2 29 | 16 0 | 0 45 | 21 17 | 1 21 | 7 17 | 16 33 | 21 40 | 21 42 | 19 1 | 7 54 | 2 24 |
| M15 | 20 58 | 21 16 | 0s25 | 23 7 | 1 32 | 7 42 | 2 58 | 4 59 | 2 54 | 16 47 | 0 53 | 2 34 | 2 29 | 16 0 | 0 45 | 21 17 | 1 21 | 7 16 | 16 32 | 21 40 | 21 43 | 19 3 | 7 54 | 2 24 |
| T 16 | 20 47 | 19 4 | 1 44 | 22 49 | 1 36 | 7 23 | 3 9 | 5 11 | 2 54 | 16 43 | 0 53 | 2 34 | 2 30 | 16 1 | 0 45 | 21 17 | 1 21 | 7 15 | 16 31 | 21 40 | 21 43 | 19 4 | 7 54 | 2 24 |
| W17 | 20 35 | 15 43 | 2 54 | 22 29 | 1 40 | 7 6 | 3 21 | 5 23 | 2 55 | 16 39 | 0 53 | 2 35 | 2 30 | 16 2 | 0 45 | 21 17 | 1 21 | 7 14 | 16 31 | 21 40 | 21 44 | 19 6 | 7 54 | 2 24 |
| T 18 | 20 23 | 11 35 | 3 53 | 22 7 | 1 42 | 6 48 | 3 33 | 5 35 | 2 55 | 16 35 | 0 53 | 2 35 | 2 30 | 16 2 | 0 45 | 21 16 | 1 21 | 7 13 | 16 30 | 21 40 | 21 44 | 19 7 | 7 54 | 2 24 |
| F 19 | 20 11 | 7 0 | 4 36 | 21 42 | 1 45 | 6 32 | 3 45 | 5 47 | 2 56 | 16 31 | 0 53 | 2 36 | 2 30 | 16 3 | 0 45 | 21 16 | 1 21 | 7 13 | 16 30 | 21 41 | 21 45 | 19 9 | 7 54 | 2 24 |
| S 20 | 19 58 | 2 14 | 5 4 | 21 16 | 1 46 | 6 16 | 3 58 | 5 58 | 2 56 | 16 27 | 0 53 | 2 37 | 2 31 | 16 4 | 0 45 | 21 16 | 1 21 | 7 12 | 16 29 | 21 41 | 21 45 | 19 10 | 7 53 | 2 25 |
| S 21 | 19 46 | 2n29 | 5 16 | 20 47 | 1 47 | 6 0 | 4 10 | 6 10 | 2 56 | 16 23 | 0 53 | 2 38 | 2 31 | 16 5 | 0 45 | 21 16 | 1 21 | 7 11 | 16 29 | 21 41 | 21 46 | 19 12 | 7 53 | 2 25 |
| M22 | 19 32 | 6 59 | 5 13 | 20 17 | 1 47 | 5 46 | 4 23 | 6 21 | 2 57 | 16 19 | 0 53 | 2 39 | 2 31 | 16 5 | 0 45 | 21 16 | 1 21 | 7 10 | 16 28 | 21 41 | 21 46 | 19 13 | 7 53 | 2 25 |
| T 23 | 19 19 | 11 8 | 4 57 | 19 45 | 1 46 | 5 31 | 4 36 | 6 32 | 2 57 | 16 15 | 0 54 | 2 40 | 2 32 | 16 6 | 0 45 | 21 16 | 1 21 | 7 9 | 16 27 | 21 41 | 21 47 | 19 15 | 7 53 | 2 25 |
| W24 | 19 5 | 14 48 | 4 27 | 19 12 | 1 45 | 5 18 | 4 48 | 6 43 | 2 57 | 16 11 | 0 54 | 2 40 | 2 32 | 16 7 | 0 45 | 21 16 | 1 21 | 7 8 | 16 27 | 21 41 | 21 47 | 19 16 | 7 53 | 2 25 |
| T 25 | 18 51 | 17 51 | 3 47 | 18 37 | 1 43 | 5 5 | 5 1 | 6 54 | 2 58 | 16 7 | 0 54 | 2 41 | 2 32 | 16 7 | 0 45 | 21 16 | 1 21 | 7 8 | 16 26 | 21 41 | 21 48 | 19 18 | 7 53 | 2 25 |
| F 26 | 18 36 | 20 9 | 2 57 | 18 2 | 1 41 | 4 54 | 5 14 | 7 4 | 2 58 | 16 3 | 0 54 | 2 42 | 2 32 | 16 8 | 0 45 | 21 16 | 1 21 | 7 7 | 16 26 | 21 40 | 21 48 | 19 19 | 7 53 | 2 25 |
| S 27 | 18 21 | 21 35 | 1 59 | 17 25 | 1 38 | 4 43 | 5 27 | 7 15 | 2 58 | 15 59 | 0 54 | 2 43 | 2 33 | 16 9 | 0 45 | 21 16 | 1 21 | 7 6 | 16 25 | 21 40 | 21 49 | 19 21 | 7 52 | 2 25 |
| S 28 | 18 6 | 22 3 | 0 55 | 16 47 | 1 35 | 4 32 | 5 40 | 7 25 | 2 58 | 15 55 | 0 54 | 2 45 | 2 33 | 16 10 | 0 45 | 21 16 | 1 21 | 7 5 | 16 25 | 21 40 | 21 49 | 19 22 | 7 52 | 2 25 |
| M29 | 17 51 | 21 29 | 0n12 | 16 8 | 1 31 | 4 23 | 5 53 | 7 35 | 2 59 | 15 51 | 0 54 | 2 46 | 2 33 | 16 10 | 0 45 | 21 16 | 1 21 | 7 4 | 16 24 | 21 40 | 21 50 | 19 24 | 7 52 | 2 25 |
| T 30 | 17 35 | 19 53 | 1 19 | 15 29 | 1 27 | 4 15 | 6 5 | 7 45 | 2 59 | 15 47 | 0 54 | 2 47 | 2 33 | 16 11 | 0 45 | 21 16 | 1 21 | 7 3 | 16 24 | 21 40 | 21 50 | 19 25 | 7 52 | 2 25 |
| W31 | 17n19 | 17n17 | 2n24 | 14n49 | 1n22 | 4n 8 | 6s18 | 7n55 | 2s59 | 15n43 | 0n54 | 2s48 | 2s34 | 16s12 | 0s45 | 21s16 | 1n21 | 7n 2 | 16n23 | 21n40 | 21n51 | 19n27 | 7n51 | 2n25 |

Julian Day Number = 2084662.5, Delta T = 24m45s
Ecliptic obliquity = 23°34'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'24, Lahiri = 9°51'24 Julian Calendar 1 July 995 == Greg. Calendar 6 July 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## AUGUST 995 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 57 10 | 12♌50'48 | 2♍28 | 25♌58 | 4°R 2 | 28♈ 8 | 20♌17 | 28°R50 | 18°R 5 | 13°R57 | 20♎47 | 22°R30 | 21♋25 | 13♊53 | 14°R11 | T 1 |
| F 2 | 21 1 7 | 13°48'37 | 15°30 | 27°43 | 3♍45 | 28°36 | 20°30 | 28♓47 | 18♒ 3 | 13♐56 | 20°49 | 22♋27 | 21°22 | 14° 0 | 14♈10 | F 2 |
| S 3 | 21 5 3 | 14°46'28 | 28°47 | 29°26 | 3°25 | 29° 2 | 20°43 | 28°44 | 18° 1 | 13°56 | 20°50 | 22°24 | 21°19 | 14° 7 | 14° 9 | S 3 |
| S 4 | 21 9 0 | 15°44'21 | 12♎16 | 1♍ 8 | 3° 4 | 29°29 | 20°56 | 28°42 | 17°58 | 13°55 | 20°51 | 22°21 | 21°15 | 14°13 | 14° 8 | S 4 |
| M 5 | 21 12 56 | 16°42'14 | 25°59 | 2°49 | 2°40 | 29°55 | 21° 9 | 28°39 | 17°56 | 13°54 | 20°53 | 22°18 | 21°12 | 14°20 | 14° 6 | M 5 |
| T 6 | 21 16 53 | 17°40'09 | 9♏53 | 4°28 | 2°15 | 0♉20 | 21°22 | 28°36 | 17°53 | 13°54 | 20°54 | 22°17 | 21° 9 | 14°27 | 14° 5 | T 6 |
| W 7 | 21 20 49 | 18°38'05 | 23°58 | 6° 6 | 1°47 | 0°45 | 21°36 | 28°33 | 17°51 | 13°53 | 20°55 | 22°D17 | 21° 6 | 14°33 | 14° 4 | W 7 |
| T 8 | 21 24 46 | 19°36'03 | 8♐12 | 7°43 | 1°18 | 1° 9 | 21°49 | 28°30 | 17°49 | 13°53 | 20°57 | 22°18 | 21° 3 | 14°40 | 14° 3 | T 8 |
| F 9 | 21 28 43 | 20°34'02 | 22°33 | 9°18 | 0°47 | 1°33 | 22° 2 | 28°27 | 17°46 | 13°53 | 20°58 | 22°19 | 20°59 | 14°47 | 14° 1 | F 9 |
| S 10 | 21 32 39 | 21°32'02 | 6♑58 | 10°53 | 0°14 | 1°57 | 22°15 | 28°24 | 17°44 | 13°52 | 20°59 | 22°21 | 20°56 | 14°53 | 14° 0 | S 10 |
| S 11 | 21 36 36 | 22°30'04 | 21°24 | 12°25 | 29♌40 | 2°20 | 22°28 | 28°20 | 17°41 | 13°52 | 21° 1 | 22°R21 | 20°53 | 15° 0 | 13°59 | S 11 |
| M12 | 21 40 32 | 23°28'07 | 5♒46 | 13°57 | 29° 5 | 2°43 | 22°41 | 28°17 | 17°39 | 13°52 | 21° 2 | 22°21 | 20°50 | 15° 7 | 13°57 | M12 |
| T 13 | 21 44 29 | 24°26'12 | 19°59 | 15°27 | 28°29 | 3° 5 | 22°54 | 28°13 | 17°37 | 13°51 | 21° 4 | 22°18 | 20°47 | 15°13 | 13°55 | T 13 |
| W14 | 21 48 25 | 25°24'19 | 3♓59 | 16°56 | 27°53 | 3°26 | 23° 7 | 28°10 | 17°34 | 13°51 | 21° 6 | 22°15 | 20°44 | 15°20 | 13°54 | W14 |
| T 15 | 21 52 22 | 26°22'27 | 17°40 | 18°23 | 27°16 | 3°47 | 23°20 | 28° 6 | 17°32 | 13°51 | 21° 7 | 22°10 | 20°40 | 15°27 | 13°52 | T 15 |
| F 16 | 21 56 18 | 27°20'37 | 1♈ 1 | 19°49 | 26°38 | 4° 8 | 23°33 | 28° 3 | 17°30 | 13°51 | 21° 9 | 22° 4 | 20°37 | 15°33 | 13°51 | F 16 |
| S 17 | 22 0 15 | 28°18'49 | 14° 1 | 21°14 | 26° 1 | 4°27 | 23°46 | 27°59 | 17°27 | 13°50 | 21°10 | 21°58 | 20°34 | 15°40 | 13°49 | S 17 |
| S 18 | 22 4 12 | 29°17'03 | 26°41 | 22°38 | 25°25 | 4°47 | 23°59 | 27°55 | 17°25 | 13°50 | 21°12 | 21°53 | 20°31 | 15°47 | 13°47 | S 18 |
| M19 | 22 8 8 | 0♍15'20 | 9♉ 2 | 24° 0 | 24°48 | 5° 5 | 24°12 | 27°51 | 17°23 | 13°50 | 21°14 | 21°50 | 20°28 | 15°53 | 13°45 | M19 |
| T 20 | 22 12 5 | 1°13'38 | 21° 8 | 25°21 | 24°13 | 5°23 | 24°25 | 27°47 | 17°20 | 13°50 | 21°16 | 21°47 | 20°25 | 16° 0 | 13°44 | T 20 |
| W21 | 22 16 1 | 2°11'58 | 3♊ 4 | 26°40 | 23°39 | 5°41 | 24°38 | 27°43 | 17°18 | 13°D50 | 21°17 | 21°D47 | 20°21 | 16° 7 | 13°42 | W21 |
| T 22 | 22 19 58 | 3°10'21 | 14°55 | 27°58 | 23° 5 | 5°58 | 24°51 | 27°39 | 17°16 | 13°50 | 21°19 | 21°48 | 20°18 | 16°13 | 13°40 | T 22 |
| F 23 | 22 23 54 | 4° 8'46 | 26°45 | 29°14 | 22°34 | 6°14 | 25° 4 | 27°35 | 17°13 | 13°50 | 21°21 | 21°49 | 20°15 | 16°20 | 13°38 | F 23 |
| S 24 | 22 27 51 | 5° 7'13 | 8♋40 | 0♎28 | 22° 4 | 6°29 | 25°17 | 27°31 | 17°11 | 13°50 | 21°23 | 21°50 | 20°12 | 16°27 | 13°36 | S 24 |
| S 25 | 22 31 47 | 6° 5'42 | 20°44 | 1°41 | 21°35 | 6°44 | 25°30 | 27°27 | 17° 9 | 13°50 | 21°24 | 21°R51 | 20° 9 | 16°33 | 13°34 | S 25 |
| M26 | 22 35 44 | 7° 4'13 | 3♌ 1 | 2°52 | 21° 9 | 6°58 | 25°43 | 27°23 | 17° 7 | 13°50 | 21°26 | 21°51 | 20° 5 | 16°40 | 13°32 | M26 |
| T 27 | 22 39 41 | 8° 2'47 | 15°35 | 4° 1 | 20°44 | 7°12 | 25°56 | 27°18 | 17° 4 | 13°51 | 21°28 | 21°48 | 20° 2 | 16°47 | 13°30 | T 27 |
| W28 | 22 43 37 | 9° 1'22 | 28°26 | 5° 8 | 20°22 | 7°24 | 26° 9 | 27°14 | 17° 2 | 13°51 | 21°30 | 21°43 | 19°59 | 16°53 | 13°27 | W28 |
| T 29 | 22 47 34 | 9°59'59 | 11♍36 | 6°13 | 20° 2 | 7°36 | 26°21 | 27°10 | 17° 0 | 13°51 | 21°32 | 21°37 | 19°56 | 17° 0 | 13°25 | T 29 |
| F 30 | 22 51 30 | 10°58'39 | 25° 3 | 7°16 | 19°44 | 7°47 | 26°34 | 27° 5 | 16°58 | 13°51 | 21°34 | 21°29 | 19°53 | 17° 7 | 13°23 | F 30 |
| S 31 | 22 55 27 | 11♍57'20 | 8♎46 | 8♎17 | 19♌28 | 7♉58 | 26♌47 | 27♓ 1 | 16♒56 | 13♐52 | 21♎36 | 21♋20 | 19♋50 | 17♊13 | 13♈21 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 17n 3 | 13n48 | 3n23 | 14n 8 | 1n17 | 4n 2 | 6s30 | 8n 5 | 2s59 | 15n39 | 0n54 | 2s49 | 2s34 | 16s13 | 0s45 | 21s16 | 1n21 | 7n 1 | 16n22 | 21n41 | 21n51 | 19n28 | 7n51 | 2n25 | |
| F 2 | 16 46 | 9 36 | 4 12 | 13 27 | 1 12 | 3 57 | 6 42 | 8 14 | 2 59 | 15 35 | 0 54 | 2 50 | 2 34 | 16 13 | 0 45 | 21 16 | 1 21 | 7 0 | 16 22 | 21 41 | 21 52 | 19 30 | 7 51 | 2 25 | |
| S 3 | 16 29 | 4 53 | 4 48 | 12 46 | 1 6 | 3 52 | 6 54 | 8 24 | 3 0 | 15 31 | 0 54 | 2 52 | 2 34 | 16 14 | 0 45 | 21 16 | 1 21 | 6 59 | 16 21 | 21 42 | 21 52 | 19 31 | 7 50 | 2 25 | |
| S 4 | 16 12 | 0s 8 | 5 9 | 12 4 | 1 0 | 3 49 | 7 5 | 8 33 | 3 0 | 15 27 | 0 54 | 2 53 | 2 35 | 16 15 | 0 45 | 21 16 | 1 21 | 6 58 | 16 21 | 21 42 | 21 53 | 19 33 | 7 50 | 2 25 | |
| M 5 | 15 55 | 5 13 | 5 14 | 11 22 | 0 54 | 3 48 | 7 16 | 8 42 | 3 0 | 15 23 | 0 54 | 2 54 | 2 35 | 16 16 | 0 45 | 21 16 | 1 20 | 6 57 | 16 20 | 21 43 | 21 53 | 19 34 | 7 50 | 2 26 | |
| T 6 | 15 37 | 10 7 | 5 0 | 10 39 | 0 47 | 3 47 | 7 26 | 8 51 | 3 0 | 15 18 | 0 54 | 2 56 | 2 35 | 16 16 | 0 45 | 21 16 | 1 20 | 6 57 | 16 20 | 21 43 | 21 54 | 19 36 | 7 49 | 2 26 | |
| W 7 | 15 19 | 14 32 | 4 28 | 9 57 | 0 41 | 3 47 | 7 36 | 8 59 | 3 0 | 15 14 | 0 54 | 2 57 | 2 35 | 16 17 | 0 45 | 21 16 | 1 20 | 6 56 | 16 19 | 21 43 | 21 54 | 19 37 | 7 49 | 2 26 | |
| T 8 | 15 1 | 18 11 | 3 39 | 9 14 | 0 34 | 3 49 | 7 46 | 9 8 | 3 0 | 15 10 | 0 54 | 2 58 | 2 35 | 16 18 | 0 45 | 21 16 | 1 20 | 6 55 | 16 19 | 21 43 | 21 55 | 19 39 | 7 48 | 2 26 | |
| F 9 | 14 43 | 20 45 | 2 36 | 8 32 | 0 27 | 3 51 | 7 54 | 9 16 | 3 0 | 15 6 | 0 54 | 3 0 | 2 36 | 16 19 | 0 45 | 21 16 | 1 20 | 6 54 | 16 18 | 21 43 | 21 55 | 19 40 | 7 48 | 2 26 | |
| S 10 | 14 24 | 22 0 | 1 23 | 7 49 | 0 19 | 3 55 | 8 2 | 9 24 | 3 0 | 15 2 | 0 54 | 3 1 | 2 36 | 16 19 | 0 45 | 21 16 | 1 20 | 6 53 | 16 18 | 21 42 | 21 56 | 19 42 | 7 47 | 2 26 | |
| S 11 | 14 5 | 21 46 | 0 5 | 7 7 | 0 12 | 4 0 | 8 10 | 9 32 | 3 0 | 14 57 | 0 54 | 3 3 | 2 36 | 16 20 | 0 45 | 21 16 | 1 20 | 6 52 | 16 17 | 21 42 | 21 56 | 19 43 | 7 47 | 2 26 | |
| M12 | 13 46 | 20 6 | 1s13 | 6 25 | 0 4 | 4 6 | 8 16 | 9 40 | 3 0 | 14 53 | 0 54 | 3 4 | 2 36 | 16 21 | 0 45 | 21 16 | 1 20 | 6 51 | 16 17 | 21 42 | 21 57 | 19 44 | 7 46 | 2 26 | |
| T 13 | 13 27 | 17 12 | 2 25 | 5 42 | 0s 4 | 4 13 | 8 22 | 9 47 | 3 0 | 14 49 | 0 54 | 3 6 | 2 36 | 16 22 | 0 45 | 21 16 | 1 20 | 6 50 | 16 16 | 21 43 | 21 57 | 19 46 | 7 46 | 2 26 | |
| W14 | 13 7 | 13 20 | 3 28 | 5 0 | 0 12 | 4 21 | 8 26 | 9 55 | 3 0 | 14 45 | 0 55 | 3 8 | 2 37 | 16 22 | 0 45 | 21 16 | 1 20 | 6 49 | 16 16 | 21 43 | 21 58 | 19 47 | 7 45 | 2 26 | |
| T 15 | 12 48 | 8 50 | 4 17 | 4 19 | 0 20 | 4 29 | 8 30 | 10 2 | 2 59 | 14 40 | 0 55 | 3 9 | 2 37 | 16 23 | 0 45 | 21 16 | 1 20 | 6 48 | 16 15 | 21 44 | 21 58 | 19 49 | 7 44 | 2 26 | |
| F 16 | 12 28 | 4 2 | 4 51 | 3 37 | 0 28 | 4 39 | 8 33 | 10 9 | 2 59 | 14 36 | 0 55 | 3 11 | 2 37 | 16 24 | 0 45 | 21 16 | 1 20 | 6 47 | 16 15 | 21 45 | 21 59 | 19 50 | 7 44 | 2 26 | |
| S 17 | 12 7 | 0n50 | 5 8 | 2 56 | 0 36 | 4 49 | 8 35 | 10 16 | 2 59 | 14 32 | 0 55 | 3 13 | 2 37 | 16 24 | 0 45 | 21 16 | 1 20 | 6 46 | 16 15 | 21 46 | 21 59 | 19 52 | 7 43 | 2 26 | |
| S 18 | 11 47 | 5 31 | 5 10 | 2 15 | 0 45 | 5 0 | 8 36 | 10 23 | 2 59 | 14 28 | 0 55 | 3 14 | 2 37 | 16 25 | 0 45 | 21 16 | 1 20 | 6 45 | 16 14 | 21 47 | 22 0 | 19 53 | 7 43 | 2 26 | |
| M19 | 11 27 | 9 53 | 4 57 | 1 35 | 0 53 | 5 12 | 8 37 | 10 29 | 2 59 | 14 23 | 0 55 | 3 16 | 2 38 | 16 26 | 0 45 | 21 16 | 1 20 | 6 44 | 16 14 | 21 47 | 22 0 | 19 54 | 7 42 | 2 26 | |
| T 20 | 11 6 | 13 46 | 4 31 | 0 55 | 1 2 | 5 24 | 8 36 | 10 35 | 2 58 | 14 19 | 0 55 | 3 18 | 2 38 | 16 27 | 0 45 | 21 16 | 1 20 | 6 42 | 16 13 | 21 48 | 22 1 | 19 56 | 7 41 | 2 26 | |
| W21 | 10 45 | 17 3 | 3 54 | 0 16 | 1 10 | 5 37 | 8 34 | 10 41 | 2 58 | 14 15 | 0 55 | 3 19 | 2 38 | 16 27 | 0 45 | 21 16 | 1 20 | 6 41 | 16 13 | 21 48 | 22 1 | 19 57 | 7 40 | 2 26 | |
| T 22 | 10 24 | 19 37 | 3 7 | 0s23 | 1 19 | 5 50 | 8 32 | 10 47 | 2 58 | 14 10 | 0 55 | 3 21 | 2 38 | 16 28 | 0 45 | 21 16 | 1 20 | 6 40 | 16 12 | 21 48 | 22 1 | 19 59 | 7 40 | 2 26 | |
| F 23 | 10 3 | 21 20 | 2 12 | 1 1 | 1 27 | 6 3 | 8 28 | 10 53 | 2 57 | 14 6 | 0 55 | 3 23 | 2 38 | 16 29 | 0 45 | 21 16 | 1 20 | 6 39 | 16 12 | 21 47 | 22 2 | 20 0 | 7 39 | 2 26 | |
| S 24 | 9 41 | 22 6 | 1 11 | 1 39 | 1 35 | 6 17 | 8 24 | 10 58 | 2 57 | 14 2 | 0 55 | 3 25 | 2 38 | 16 29 | 0 45 | 21 16 | 1 20 | 6 38 | 16 11 | 21 47 | 22 2 | 20 1 | 7 38 | 2 26 | |
| S 25 | 9 19 | 21 52 | 0 6 | 2 16 | 1 44 | 6 30 | 8 19 | 11 4 | 2 56 | 13 57 | 0 55 | 3 27 | 2 39 | 16 30 | 0 45 | 21 16 | 1 19 | 6 37 | 16 11 | 21 47 | 22 3 | 20 3 | 7 37 | 2 26 | |
| M26 | 8 58 | 20 34 | 1n 0 | 2 52 | 1 52 | 6 44 | 8 13 | 11 9 | 2 56 | 13 53 | 0 55 | 3 28 | 2 39 | 16 31 | 0 45 | 21 16 | 1 19 | 6 36 | 16 11 | 21 47 | 22 3 | 20 4 | 7 37 | 2 26 | |
| T 27 | 8 36 | 18 14 | 2 5 | 3 27 | 2 1 | 6 57 | 8 7 | 11 14 | 2 55 | 13 49 | 0 56 | 3 30 | 2 39 | 16 31 | 0 45 | 21 16 | 1 19 | 6 35 | 16 10 | 21 48 | 22 4 | 20 6 | 7 36 | 2 26 | |
| W28 | 8 14 | 14 58 | 3 4 | 4 1 | 2 9 | 7 11 | 8 0 | 11 18 | 2 55 | 13 45 | 0 56 | 3 32 | 2 39 | 16 32 | 0 45 | 21 16 | 1 19 | 6 34 | 16 10 | 21 48 | 22 4 | 20 7 | 7 35 | 2 26 | |
| T 29 | 7 52 | 10 52 | 3 56 | 4 35 | 2 17 | 7 24 | 7 52 | 11 23 | 2 54 | 13 40 | 0 56 | 3 34 | 2 39 | 16 33 | 0 45 | 21 16 | 1 19 | 6 33 | 16 9 | 21 49 | 22 5 | 20 8 | 7 34 | 2 26 | |
| F 30 | 7 29 | 6 10 | 4 35 | 5 7 | 2 25 | 7 37 | 7 44 | 11 27 | 2 53 | 13 36 | 0 56 | 3 36 | 2 39 | 16 33 | 0 45 | 21 17 | 1 19 | 6 32 | 16 9 | 21 51 | 22 5 | 20 10 | 7 33 | 2 26 | |
| S 31 | 7n 7 | 1n 5 | 4n59 | 5s38 | 2s32 | 7n50 | 7s36 | 11n31 | 2s53 | 13n32 | 0n56 | 3s38 | 2s39 | 16s34 | 0s45 | 21s17 | 1n19 | 6n31 | 16n 9 | 21n52 | 22n 6 | 20n11 | 7n32 | 2n26 | |

Julian Day Number = 2084693.5, Delta T = 24m45s
Ecliptic obliquity = 23°34'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'28, Lahiri = 9°51'28 Julian Calendar 1 Aug. 995 == Greg. Calendar 6 Aug. 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## SEPTEMBER 995 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 22 59 23 | 12♍56'03 | 22♎39 | 9♎15 | 19°R15 | 8♉ 8 | 27♌ 0 | 26°R56 | 16°R54 | 13♐52 | 21♎38 | 21°R12 | 19♋46 | 17♊20 | 13°R19 | S 1 |
| M 2 | 23 3 20 | 13°54'48 | 6♏42 | 10°10 | 19♌ 4 | 8°16 | 27°13 | 26♓52 | 16♒52 | 13°52 | 21°40 | 21♋ 5 | 19°43 | 17°27 | 13♈16 | M 2 |
| T 3 | 23 7 16 | 14°53'35 | 20°48 | 11° 2 | 18°56 | 8°25 | 27°25 | 26°47 | 16°50 | 13°53 | 21°42 | 21° 1 | 19°40 | 17°33 | 13°14 | T 3 |
| W 4 | 23 11 13 | 15°52'23 | 4♐57 | 11°51 | 18°50 | 8°32 | 27°38 | 26°43 | 16°48 | 13°53 | 21°44 | 20°58 | 19°37 | 17°40 | 13°12 | W 4 |
| T 5 | 23 15 9 | 16°51'14 | 19° 6 | 12°36 | 18°47 | 8°38 | 27°51 | 26°38 | 16°46 | 13°54 | 21°46 | 20°D58 | 19°34 | 17°47 | 13° 9 | T 5 |
| F 6 | 23 19 6 | 17°50'06 | 3♑13 | 13°18 | 18°D45 | 8°44 | 28° 4 | 26°33 | 16°44 | 13°54 | 21°48 | 20°58 | 19°30 | 17°53 | 13° 7 | F 6 |
| S 7 | 23 23 3 | 18°48'59 | 17°18 | 13°55 | 18°47 | 8°49 | 28°16 | 26°29 | 16°42 | 13°55 | 21°50 | 20°R59 | 19°27 | 18° 0 | 13° 4 | S 7 |
| S 8 | 23 26 59 | 19°47'55 | 1♒19 | 14°28 | 18°50 | 8°53 | 28°29 | 26°24 | 16°40 | 13°55 | 21°52 | 20°59 | 19°24 | 18° 7 | 13° 2 | S 8 |
| M 9 | 23 30 56 | 20°46'52 | 15°14 | 14°57 | 18°56 | 8°56 | 28°41 | 26°19 | 16°38 | 13°56 | 21°55 | 20°56 | 19°21 | 18°13 | 12°59 | M 9 |
| T 10 | 23 34 52 | 21°45'52 | 29° 2 | 15°20 | 19° 4 | 8°58 | 28°54 | 26°15 | 16°36 | 13°56 | 21°57 | 20°51 | 19°18 | 18°20 | 12°57 | T 10 |
| W11 | 23 38 49 | 22°44'53 | 12♓39 | 15°37 | 19°14 | 9° 0 | 29° 6 | 26°10 | 16°34 | 13°57 | 21°59 | 20°44 | 19°15 | 18°27 | 12°54 | W11 |
| T 12 | 23 42 45 | 23°43'56 | 26° 3 | 15°49 | 19°27 | 9°R 0 | 29°19 | 26° 5 | 16°33 | 13°58 | 22° 1 | 20°34 | 19°11 | 18°33 | 12°52 | T 12 |
| F 13 | 23 46 42 | 24°43'01 | 9♈12 | 15°R54 | 19°41 | 9° 0 | 29°31 | 26° 0 | 16°31 | 13°59 | 22° 3 | 20°23 | 19° 8 | 18°40 | 12°49 | F 13 |
| S 14 | 23 50 38 | 25°42'09 | 22° 3 | 15°52 | 19°58 | 8°59 | 29°44 | 25°56 | 16°29 | 13°59 | 22° 6 | 20°11 | 19° 5 | 18°47 | 12°46 | S 14 |
| S 15 | 23 54 35 | 26°41'18 | 4♉38 | 15°43 | 20°16 | 8°57 | 29°56 | 25°51 | 16°28 | 14° 0 | 22° 8 | 20° 1 | 19° 2 | 18°53 | 12°44 | S 15 |
| M16 | 23 58 32 | 27°40'30 | 16°56 | 15°26 | 20°37 | 8°54 | 0♍ 8 | 25°46 | 16°26 | 14° 1 | 22°10 | 19°52 | 18°59 | 19° 0 | 12°41 | M16 |
| T 17 | 0 2 28 | 28°39'44 | 29° 1 | 15° 1 | 20°59 | 8°50 | 0°20 | 25°41 | 16°24 | 14° 2 | 22°12 | 19°45 | 18°56 | 19° 7 | 12°39 | T 17 |
| W18 | 0 6 25 | 29°39'01 | 10♊56 | 14°28 | 21°23 | 8°45 | 0°33 | 25°37 | 16°23 | 14° 3 | 22°15 | 19°41 | 18°52 | 19°13 | 12°36 | W18 |
| T 19 | 0 10 21 | 0♎38'20 | 22°45 | 13°48 | 21°49 | 8°40 | 0°45 | 25°32 | 16°21 | 14° 4 | 22°17 | 19°40 | 18°49 | 19°20 | 12°33 | T 19 |
| F 20 | 0 14 18 | 1°37'41 | 4♋34 | 12°59 | 22°16 | 8°33 | 0°57 | 25°27 | 16°20 | 14° 5 | 22°19 | 19°D39 | 18°46 | 19°27 | 12°30 | F 20 |
| S 21 | 0 18 14 | 2°37'05 | 16°29 | 12° 3 | 22°45 | 8°25 | 1° 9 | 25°23 | 16°18 | 14° 6 | 22°22 | 19°R40 | 18°43 | 19°33 | 12°28 | S 21 |
| S 22 | 0 22 11 | 3°36'31 | 28°33 | 11° 1 | 23°16 | 8°17 | 1°21 | 25°18 | 16°17 | 14° 7 | 22°24 | 19°39 | 18°40 | 19°40 | 12°25 | S 22 |
| M23 | 0 26 7 | 4°36'00 | 10♌54 | 9°54 | 23°48 | 8° 8 | 1°33 | 25°13 | 16°16 | 14° 8 | 22°26 | 19°38 | 18°36 | 19°47 | 12°22 | M23 |
| T 24 | 0 30 4 | 5°35'30 | 23°34 | 8°43 | 24°22 | 7°58 | 1°45 | 25° 9 | 16°14 | 14° 9 | 22°29 | 19°33 | 18°33 | 19°53 | 12°20 | T 24 |
| W25 | 0 34 1 | 6°35'03 | 6♍38 | 7°30 | 24°57 | 7°47 | 1°56 | 25° 4 | 16°13 | 14°10 | 22°31 | 19°26 | 18°30 | 20° 0 | 12°17 | W25 |
| T 26 | 0 37 57 | 7°34'38 | 20° 5 | 6°17 | 25°33 | 7°35 | 2° 8 | 24°59 | 16°12 | 14°11 | 22°33 | 19°17 | 18°27 | 20° 7 | 12°14 | T 26 |
| F 27 | 0 41 54 | 8°34'15 | 3♎54 | 5° 7 | 26°11 | 7°22 | 2°20 | 24°55 | 16°11 | 14°12 | 22°36 | 19° 6 | 18°24 | 20°13 | 12°11 | F 27 |
| S 28 | 0 45 50 | 9°33'55 | 18° 2 | 4° 0 | 26°50 | 7° 9 | 2°32 | 24°50 | 16° 9 | 14°13 | 22°38 | 18°53 | 18°21 | 20°20 | 12° 8 | S 28 |
| S 29 | 0 49 47 | 10°33'36 | 2♏24 | 3° 0 | 27°30 | 6°55 | 2°43 | 24°46 | 16° 8 | 14°14 | 22°40 | 18°42 | 18°17 | 20°27 | 12° 6 | S 29 |
| M30 | 0 53 43 | 11♎33'19 | 16♏53 | 2♎ 8 | 28♌11 | 6♉40 | 2♍55 | 24♓41 | 16♒ 7 | 14♐16 | 22♎43 | 18♋32 | 18♋14 | 20♊33 | 12♈ 3 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n44 | 4s 7 | 5n 6 | 6s 8 | 2s40 | 8n 3 | 7s27 | 11n35 | 2s52 | 13n27 | 0n56 | 3s40 | 2s39 | 16s34 | 0s45 | 21s17 | 1n19 | 6n30 | 16n 8 | 21n53 | 22n 6 | 20n13 | 7n32 | 2n26 |
| M 2 | 6 22 | 9 10 | 4 55 | 6 36 | 2 47 | 8 15 | 7 17 | 11 38 | 2 51 | 13 23 | 0 56 | 3 41 | 2 40 | 16 35 | 0 45 | 21 17 | 1 19 | 6 29 | 16 8 | 21 54 | 22 7 | 20 14 | 7 31 | 2 26 |
| T 3 | 5 59 | 13 46 | 4 26 | 7 3 | 2 54 | 8 27 | 7 8 | 11 42 | 2 50 | 13 19 | 0 56 | 3 43 | 2 40 | 16 36 | 0 45 | 21 17 | 1 19 | 6 28 | 16 8 | 21 55 | 22 7 | 20 15 | 7 30 | 2 26 |
| W 4 | 5 36 | 17 37 | 3 41 | 7 29 | 3 1 | 8 38 | 6 58 | 11 45 | 2 49 | 13 14 | 0 56 | 3 45 | 2 40 | 16 36 | 0 45 | 21 17 | 1 19 | 6 27 | 16 7 | 21 55 | 22 8 | 20 17 | 7 29 | 2 26 |
| T 5 | 5 13 | 20 25 | 2 42 | 7 53 | 3 7 | 8 49 | 6 47 | 11 48 | 2 48 | 13 10 | 0 56 | 3 47 | 2 40 | 16 37 | 0 45 | 21 17 | 1 19 | 6 26 | 16 7 | 21 55 | 22 8 | 20 18 | 7 28 | 2 26 |
| F 6 | 4 50 | 21 58 | 1 34 | 8 14 | 3 13 | 8 59 | 6 37 | 11 51 | 2 47 | 13 6 | 0 56 | 3 49 | 2 40 | 16 37 | 0 45 | 21 17 | 1 19 | 6 25 | 16 7 | 21 55 | 22 8 | 20 19 | 7 27 | 2 26 |
| S 7 | 4 27 | 22 7 | 0 20 | 8 34 | 3 19 | 9 9 | 6 26 | 11 53 | 2 46 | 13 1 | 0 57 | 3 51 | 2 40 | 16 38 | 0 45 | 21 17 | 1 19 | 6 24 | 16 6 | 21 55 | 22 9 | 20 21 | 7 26 | 2 26 |
| S 8 | 4 4 | 20 52 | 0s55 | 8 52 | 3 24 | 9 18 | 6 15 | 11 56 | 2 45 | 12 57 | 0 57 | 3 53 | 2 40 | 16 39 | 0 45 | 21 18 | 1 19 | 6 23 | 16 6 | 21 55 | 22 9 | 20 22 | 7 25 | 2 26 |
| M 9 | 3 40 | 18 21 | 2 6 | 9 7 | 3 28 | 9 27 | 6 4 | 11 58 | 2 44 | 12 53 | 0 57 | 3 55 | 2 40 | 16 39 | 0 45 | 21 18 | 1 19 | 6 21 | 16 6 | 21 56 | 22 10 | 20 23 | 7 24 | 2 26 |
| T 10 | 3 17 | 14 49 | 3 8 | 9 19 | 3 32 | 9 35 | 5 53 | 12 0 | 2 43 | 12 48 | 0 57 | 3 57 | 2 40 | 16 40 | 0 45 | 21 18 | 1 19 | 6 20 | 16 5 | 21 56 | 22 10 | 20 25 | 7 23 | 2 26 |
| W11 | 2 54 | 10 32 | 3 59 | 9 29 | 3 35 | 9 43 | 5 42 | 12 1 | 2 42 | 12 44 | 0 57 | 3 59 | 2 40 | 16 40 | 0 45 | 21 18 | 1 19 | 6 19 | 16 5 | 21 58 | 22 11 | 20 26 | 7 22 | 2 26 |
| T 12 | 2 30 | 5 48 | 4 36 | 9 35 | 3 37 | 9 49 | 5 31 | 12 3 | 2 40 | 12 40 | 0 57 | 4 1 | 2 40 | 16 41 | 0 45 | 21 18 | 1 19 | 6 18 | 16 5 | 21 59 | 22 11 | 20 27 | 7 21 | 2 26 |
| F 13 | 2 7 | 0 53 | 4 57 | 9 38 | 3 38 | 9 56 | 5 20 | 12 4 | 2 39 | 12 36 | 0 57 | 4 3 | 2 40 | 16 41 | 0 45 | 21 18 | 1 18 | 6 17 | 16 5 | 22 1 | 22 12 | 20 29 | 7 20 | 2 26 |
| S 14 | 1 43 | 3n57 | 5 3 | 9 37 | 3 38 | 10 1 | 5 9 | 12 5 | 2 38 | 12 31 | 0 57 | 4 5 | 2 40 | 16 42 | 0 45 | 21 18 | 1 18 | 6 16 | 16 4 | 22 2 | 22 12 | 20 30 | 7 19 | 2 26 |
| S 15 | 1 19 | 8 32 | 4 53 | 9 32 | 3 36 | 10 6 | 4 58 | 12 6 | 2 36 | 12 27 | 0 57 | 4 7 | 2 40 | 16 42 | 0 45 | 21 18 | 1 18 | 6 15 | 16 4 | 22 4 | 22 13 | 20 31 | 7 18 | 2 26 |
| M16 | 0 56 | 12 40 | 4 30 | 9 23 | 3 33 | 10 10 | 4 47 | 12 6 | 2 34 | 12 23 | 0 58 | 4 8 | 2 40 | 16 43 | 0 45 | 21 19 | 1 18 | 6 14 | 16 4 | 22 5 | 22 13 | 20 33 | 7 17 | 2 26 |
| T 17 | 0 32 | 16 13 | 3 55 | 9 10 | 3 29 | 10 14 | 4 36 | 12 6 | 2 33 | 12 19 | 0 58 | 4 10 | 2 40 | 16 43 | 0 45 | 21 19 | 1 18 | 6 13 | 16 4 | 22 6 | 22 13 | 20 34 | 7 16 | 2 26 |
| W18 | 0 8 | 19 3 | 3 11 | 8 51 | 3 23 | 10 16 | 4 25 | 12 7 | 2 31 | 12 14 | 0 58 | 4 12 | 2 40 | 16 44 | 0 45 | 21 19 | 1 18 | 6 12 | 16 3 | 22 7 | 22 14 | 20 35 | 7 15 | 2 26 |
| T 19 | 0s15 | 21 4 | 2 18 | 8 28 | 3 16 | 10 18 | 4 14 | 12 6 | 2 29 | 12 10 | 0 58 | 4 14 | 2 40 | 16 44 | 0 45 | 21 19 | 1 18 | 6 11 | 16 3 | 22 7 | 22 14 | 20 36 | 7 14 | 2 26 |
| F 20 | 0 39 | 22 10 | 1 19 | 8 0 | 3 6 | 10 20 | 4 3 | 12 6 | 2 28 | 12 6 | 0 58 | 4 16 | 2 40 | 16 44 | 0 45 | 21 19 | 1 18 | 6 10 | 16 3 | 22 7 | 22 15 | 20 38 | 7 12 | 2 26 |
| S 21 | 1 3 | 22 16 | 0 17 | 7 28 | 2 55 | 10 21 | 3 52 | 12 5 | 2 26 | 12 2 | 0 58 | 4 18 | 2 40 | 16 45 | 0 45 | 21 19 | 1 18 | 6 9 | 16 3 | 22 7 | 22 15 | 20 39 | 7 11 | 2 26 |
| S 22 | 1 27 | 21 20 | 0n47 | 6 51 | 2 41 | 10 21 | 3 42 | 12 5 | 2 24 | 11 58 | 0 58 | 4 20 | 2 40 | 16 45 | 0 45 | 21 20 | 1 18 | 6 8 | 16 2 | 22 7 | 22 16 | 20 40 | 7 10 | 2 26 |
| M23 | 1 50 | 19 21 | 1 50 | 6 11 | 2 26 | 10 20 | 3 31 | 12 4 | 2 22 | 11 54 | 0 59 | 4 22 | 2 40 | 16 46 | 0 45 | 21 20 | 1 18 | 6 7 | 16 2 | 22 7 | 22 16 | 20 42 | 7 9 | 2 26 |
| T 24 | 2 14 | 16 24 | 2 50 | 5 27 | 2 9 | 10 19 | 3 21 | 12 2 | 2 19 | 11 49 | 0 59 | 4 23 | 2 40 | 16 46 | 0 45 | 21 20 | 1 18 | 6 6 | 16 2 | 22 8 | 22 17 | 20 43 | 7 8 | 2 26 |
| W25 | 2 38 | 12 33 | 3 42 | 4 41 | 1 51 | 10 17 | 3 11 | 12 1 | 2 17 | 11 45 | 0 59 | 4 25 | 2 40 | 16 46 | 0 45 | 21 20 | 1 18 | 6 5 | 16 2 | 22 9 | 22 17 | 20 44 | 7 7 | 2 26 |
| T 26 | 3 1 | 7 59 | 4 23 | 3 54 | 1 31 | 10 14 | 3 1 | 11 59 | 2 15 | 11 41 | 0 59 | 4 27 | 2 40 | 16 47 | 0 45 | 21 20 | 1 18 | 6 4 | 16 2 | 22 10 | 22 17 | 20 45 | 7 6 | 2 26 |
| F 27 | 3 25 | 2 53 | 4 50 | 3 8 | 1 11 | 10 11 | 2 51 | 11 57 | 2 13 | 11 37 | 0 59 | 4 29 | 2 40 | 16 47 | 0 45 | 21 20 | 1 18 | 6 3 | 16 2 | 22 12 | 22 18 | 20 47 | 7 5 | 2 26 |
| S 28 | 3 49 | 2s29 | 5 1 | 2 22 | 0 51 | 10 7 | 2 41 | 11 55 | 2 10 | 11 33 | 0 59 | 4 31 | 2 40 | 16 47 | 0 45 | 21 21 | 1 18 | 6 2 | 16 1 | 22 14 | 22 18 | 20 48 | 7 3 | 2 26 |
| S 29 | 4 12 | 7 48 | 4 52 | 1 39 | 0 30 | 10 3 | 2 31 | 11 53 | 2 8 | 11 29 | 0 59 | 4 32 | 2 40 | 16 48 | 0 45 | 21 21 | 1 18 | 6 1 | 16 1 | 22 15 | 22 19 | 20 49 | 7 2 | 2 26 |
| M30 | 4s36 | 12s44 | 4n25 | 1s 0 | 0s10 | 9n57 | 2s22 | 11n50 | 2s 5 | 11n25 | 1n 0 | 4s34 | 2s40 | 16s48 | 0s45 | 21s21 | 1n18 | 6n 0 | 16n 1 | 22n17 | 22n19 | 20n50 | 7n 1 | 2n26 |

Julian Day Number = 2084724.5, Delta T = 24m44s
Ecliptic obliquity = 23°34'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'32, Lahiri = 9°51'33 Julian Calendar 1 Sept. 995 == Greg. Calendar 6 Sept. 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## OCTOBER 995 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 0 57 40 | 12♎33'04 | 1♐22 | 1°R25 | 28♌53 | 6°R24 | 3♍ 6 | 24°R37 | 16°R 6 | 14♐17 | 22♎45 | 18°R24 | 18♋11 | 20♊40 | 12°R 0 | T 1 |
| W 2 | 1 1 36 | 13°32'51 | 15°47 | 0♎53 | 29°37 | 6♉ 8 | 3°17 | 24♓33 | 16♒ 5 | 14°18 | 22°48 | 18♋20 | 18° 8 | 20°47 | 11♈57 | W 2 |
| T 3 | 1 5 33 | 14°32'40 | 0♑ 3 | 0°32 | 0♍21 | 5°51 | 3°29 | 24°28 | 16° 4 | 14°20 | 22°50 | 18°18 | 18° 5 | 20°53 | 11°55 | T 3 |
| F 4 | 1 9 30 | 15°32'31 | 14° 9 | 0°D22 | 1° 6 | 5°33 | 3°40 | 24°24 | 16° 4 | 14°21 | 22°52 | 18°18 | 18° 2 | 21° 0 | 11°52 | F 4 |
| S 5 | 1 13 26 | 16°32'23 | 28° 4 | 0°24 | 1°53 | 5°15 | 3°51 | 24°20 | 16° 3 | 14°22 | 22°55 | 18°17 | 17°58 | 21° 7 | 11°49 | S 5 |
| S 6 | 1 17 23 | 17°32'17 | 11♒48 | 0°36 | 2°40 | 4°56 | 4° 2 | 24°16 | 16° 2 | 14°24 | 22°57 | 18°16 | 17°55 | 21°13 | 11°46 | S 6 |
| M 7 | 1 21 19 | 18°32'12 | 25°22 | 0°59 | 3°28 | 4°37 | 4°13 | 24°12 | 16° 1 | 14°25 | 23° 0 | 18°13 | 17°52 | 21°20 | 11°44 | M 7 |
| T 8 | 1 25 16 | 19°32'10 | 8♓46 | 1°32 | 4°17 | 4°18 | 4°24 | 24° 8 | 16° 1 | 14°27 | 23° 2 | 18° 7 | 17°49 | 21°27 | 11°41 | T 8 |
| W 9 | 1 29 12 | 20°32'08 | 21°59 | 2°13 | 5° 7 | 3°58 | 4°35 | 24° 4 | 16° 0 | 14°28 | 23° 5 | 17°57 | 17°46 | 21°33 | 11°38 | W 9 |
| T 10 | 1 33 9 | 21°32'09 | 5♈ 1 | 3° 3 | 5°57 | 3°37 | 4°46 | 24° 0 | 15°59 | 14°30 | 23° 7 | 17°45 | 17°42 | 21°40 | 11°35 | T 10 |
| F 11 | 1 37 5 | 22°32'12 | 17°50 | 3°59 | 6°49 | 3°16 | 4°56 | 23°56 | 15°59 | 14°31 | 23° 9 | 17°32 | 17°39 | 21°46 | 11°33 | F 11 |
| S 12 | 1 41 2 | 23°32'16 | 0♉27 | 5° 2 | 7°41 | 2°55 | 5° 7 | 23°52 | 15°58 | 14°33 | 23°12 | 17°18 | 17°36 | 21°53 | 11°30 | S 12 |
| S 13 | 1 44 58 | 24°32'22 | 12°51 | 6°11 | 8°34 | 2°34 | 5°18 | 23°48 | 15°58 | 14°34 | 23°14 | 17° 5 | 17°33 | 22° 0 | 11°27 | S 13 |
| M14 | 1 48 55 | 25°32'31 | 25° 3 | 7°24 | 9°27 | 2°13 | 5°28 | 23°45 | 15°57 | 14°36 | 23°17 | 16°54 | 17°30 | 22° 6 | 11°25 | M14 |
| T 15 | 1 52 52 | 26°32'41 | 7♊ 3 | 8°41 | 10°22 | 1°51 | 5°38 | 23°41 | 15°57 | 14°38 | 23°19 | 16°45 | 17°27 | 22°13 | 11°22 | T 15 |
| W16 | 1 56 48 | 27°32'53 | 18°55 | 10° 2 | 11°17 | 1°30 | 5°49 | 23°37 | 15°57 | 14°39 | 23°22 | 16°39 | 17°23 | 22°20 | 11°19 | W16 |
| T 17 | 2 0 45 | 28°33'08 | 0♋43 | 11°26 | 12°12 | 1° 8 | 5°59 | 23°34 | 15°57 | 14°41 | 23°24 | 16°36 | 17°20 | 22°26 | 11°17 | T 17 |
| F 18 | 2 4 41 | 29°33'25 | 12°30 | 12°52 | 13° 8 | 0°46 | 6° 9 | 23°31 | 15°56 | 14°43 | 23°26 | 16°D35 | 17°17 | 22°33 | 11°14 | F 18 |
| S 19 | 2 8 38 | 0♏33'43 | 24°22 | 14°20 | 14° 5 | 0°25 | 6°19 | 23°27 | 15°56 | 14°44 | 23°29 | 16°35 | 17°14 | 22°40 | 11°11 | S 19 |
| S 20 | 2 12 34 | 1°34'04 | 6♌25 | 15°50 | 15° 2 | 0° 4 | 6°29 | 23°24 | 15°56 | 14°46 | 23°31 | 16°R35 | 17°11 | 22°46 | 11° 9 | S 20 |
| M21 | 2 16 31 | 2°34'26 | 18°44 | 17°22 | 16° 0 | 29♈42 | 6°39 | 23°21 | 15°D56 | 14°48 | 23°34 | 16°34 | 17° 7 | 22°53 | 11° 6 | M21 |
| T 22 | 2 20 27 | 3°34'51 | 1♍24 | 18°54 | 16°58 | 29°21 | 6°48 | 23°18 | 15°56 | 14°50 | 23°36 | 16°31 | 17° 4 | 23° 0 | 11° 4 | T 22 |
| W23 | 2 24 24 | 4°35'17 | 14°29 | 20°28 | 17°57 | 29° 1 | 6°58 | 23°15 | 15°56 | 14°52 | 23°38 | 16°25 | 17° 1 | 23° 6 | 11° 1 | W23 |
| T 24 | 2 28 21 | 5°35'46 | 28° 1 | 22° 2 | 18°57 | 28°40 | 7° 7 | 23°12 | 15°56 | 14°53 | 23°41 | 16°17 | 16°58 | 23°13 | 10°59 | T 24 |
| F 25 | 2 32 17 | 6°36'16 | 12♎ 1 | 23°36 | 19°56 | 28°20 | 7°17 | 23° 9 | 15°57 | 14°55 | 23°43 | 16° 7 | 16°55 | 23°20 | 10°56 | F 25 |
| S 26 | 2 36 14 | 7°36'48 | 26°26 | 25°11 | 20°57 | 28° 1 | 7°26 | 23° 7 | 15°57 | 14°57 | 23°46 | 15°56 | 16°52 | 23°26 | 10°54 | S 26 |
| S 27 | 2 40 10 | 8°37'21 | 11♏ 9 | 26°46 | 21°57 | 27°42 | 7°35 | 23° 4 | 15°57 | 14°59 | 23°48 | 15°45 | 16°48 | 23°33 | 10°52 | S 27 |
| M28 | 2 44 7 | 9°37'57 | 26° 3 | 28°22 | 22°59 | 27°23 | 7°44 | 23° 2 | 15°57 | 15° 1 | 23°50 | 15°36 | 16°45 | 23°40 | 10°49 | M28 |
| T 29 | 2 48 3 | 10°38'34 | 10♐58 | 29°57 | 24° 0 | 27° 5 | 7°53 | 22°59 | 15°58 | 15° 3 | 23°53 | 15°29 | 16°42 | 23°46 | 10°47 | T 29 |
| W30 | 2 52 0 | 11°39'12 | 25°47 | 1♏33 | 25° 2 | 26°47 | 8° 2 | 22°57 | 15°58 | 15° 5 | 23°55 | 15°25 | 16°39 | 23°53 | 10°45 | W30 |
| T 31 | 2 55 56 | 12♏39'51 | 10♑22 | 3♏ 8 | 26♍ 4 | 26♈30 | 8♍10 | 22♓55 | 15♒59 | 15♐ 7 | 23♎57 | 15°D23 | 16♋36 | 24♊ 0 | 10♈42 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 4s59 | 16s56 | 3n41 | 0s25 | 0n10 | 9n52 | 2s12 | 11n48 | 2s 3 | 11n21 | 1n 0 | 4s36 | 2s40 | 16s48 | 0s45 | 21s21 | 1n18 | 5n59 | 16n 1 | 22n18 | 22n20 | 20n52 | 7n 0 | 2n25 |
| W 2 | 5 22 | 20 6 | 2 43 | 0n 4 | 0 28 | 9 45 | 2 3 | 11 45 | 2 0 | 11 17 | 1 0 | 4 37 | 2 40 | 16 48 | 0 45 | 21 21 | 1 18 | 5 58 | 16 1 | 22 18 | 22 20 | 20 53 | 6 59 | 2 25 |
| T 3 | 5 46 | 21 59 | 1 35 | 0 28 | 0 45 | 9 38 | 1 54 | 11 42 | 1 57 | 11 13 | 1 0 | 4 39 | 2 40 | 16 49 | 0 44 | 21 22 | 1 17 | 5 57 | 16 1 | 22 19 | 22 20 | 20 54 | 6 58 | 2 25 |
| F 4 | 6 9 | 22 27 | 0 22 | 0 46 | 1 0 | 9 30 | 1 45 | 11 39 | 1 55 | 11 9 | 1 0 | 4 41 | 2 40 | 16 49 | 0 44 | 21 22 | 1 17 | 5 56 | 16 1 | 22 19 | 22 21 | 20 55 | 6 56 | 2 25 |
| S 5 | 6 32 | 21 30 | 0s51 | 0 58 | 1 14 | 9 22 | 1 36 | 11 35 | 1 52 | 11 5 | 1 0 | 4 42 | 2 40 | 16 49 | 0 44 | 21 22 | 1 17 | 5 55 | 16 1 | 22 19 | 22 21 | 20 57 | 6 55 | 2 25 |
| S 6 | 6 55 | 19 16 | 2 1 | 1 5 | 1 26 | 9 13 | 1 28 | 11 32 | 1 49 | 11 1 | 1 0 | 4 44 | 2 40 | 16 49 | 0 44 | 21 22 | 1 17 | 5 54 | 16 1 | 22 19 | 22 22 | 20 58 | 6 54 | 2 25 |
| M 7 | 7 18 | 16 0 | 3 2 | 1 5 | 1 37 | 9 3 | 1 19 | 11 28 | 1 46 | 10 57 | 1 1 | 4 45 | 2 39 | 16 50 | 0 44 | 21 22 | 1 17 | 5 53 | 16 0 | 22 19 | 22 22 | 20 59 | 6 53 | 2 25 |
| T 8 | 7 41 | 11 55 | 3 53 | 1 0 | 1 46 | 8 53 | 1 11 | 11 24 | 1 43 | 10 53 | 1 1 | 4 47 | 2 39 | 16 50 | 0 44 | 21 23 | 1 17 | 5 52 | 16 0 | 22 20 | 22 23 | 21 0 | 6 52 | 2 25 |
| W 9 | 8 4 | 7 20 | 4 30 | 0 51 | 1 53 | 8 43 | 1 3 | 11 21 | 1 40 | 10 50 | 1 1 | 4 48 | 2 39 | 16 50 | 0 44 | 21 23 | 1 17 | 5 52 | 16 0 | 22 21 | 22 23 | 21 2 | 6 51 | 2 25 |
| T 10 | 8 26 | 2 28 | 4 53 | 0 36 | 1 59 | 8 31 | 0 55 | 11 17 | 1 37 | 10 46 | 1 1 | 4 50 | 2 39 | 16 50 | 0 44 | 21 23 | 1 17 | 5 51 | 16 0 | 22 23 | 22 23 | 21 3 | 6 50 | 2 25 |
| F 11 | 8 49 | 2n25 | 5 0 | 0 18 | 2 4 | 8 20 | 0 47 | 11 13 | 1 33 | 10 42 | 1 1 | 4 51 | 2 39 | 16 50 | 0 44 | 21 23 | 1 17 | 5 50 | 16 0 | 22 25 | 22 24 | 21 4 | 6 48 | 2 25 |
| S 12 | 9 11 | 7 8 | 4 52 | 0s 4 | 2 7 | 8 7 | 0 40 | 11 8 | 1 30 | 10 38 | 1 2 | 4 53 | 2 39 | 16 50 | 0 44 | 21 23 | 1 17 | 5 49 | 16 0 | 22 27 | 22 24 | 21 5 | 6 47 | 2 25 |
| S 13 | 9 34 | 11 29 | 4 31 | 0 30 | 2 9 | 7 54 | 0 32 | 11 4 | 1 27 | 10 35 | 1 2 | 4 54 | 2 39 | 16 50 | 0 44 | 21 24 | 1 17 | 5 48 | 16 0 | 22 28 | 22 25 | 21 6 | 6 46 | 2 25 |
| M14 | 9 56 | 15 18 | 3 57 | 0 58 | 2 10 | 7 41 | 0 25 | 11 0 | 1 24 | 10 31 | 1 2 | 4 55 | 2 39 | 16 50 | 0 44 | 21 24 | 1 17 | 5 47 | 16 0 | 22 30 | 22 25 | 21 8 | 6 45 | 2 24 |
| T 15 | 10 18 | 18 26 | 3 13 | 1 28 | 2 10 | 7 27 | 0 18 | 10 56 | 1 20 | 10 27 | 1 2 | 4 57 | 2 38 | 16 51 | 0 44 | 21 24 | 1 17 | 5 46 | 16 0 | 22 31 | 22 25 | 21 9 | 6 44 | 2 24 |
| W16 | 10 39 | 20 46 | 2 21 | 2 1 | 2 9 | 7 13 | 0 11 | 10 51 | 1 17 | 10 24 | 1 2 | 4 58 | 2 38 | 16 51 | 0 44 | 21 24 | 1 17 | 5 45 | 16 0 | 22 31 | 22 26 | 21 10 | 6 43 | 2 24 |
| T 17 | 11 1 | 22 11 | 1 23 | 2 36 | 2 7 | 6 58 | 0 4 | 10 47 | 1 14 | 10 20 | 1 2 | 4 59 | 2 38 | 16 51 | 0 44 | 21 25 | 1 17 | 5 45 | 16 0 | 22 32 | 22 26 | 21 11 | 6 42 | 2 24 |
| F 18 | 11 23 | 22 37 | 0 22 | 3 11 | 2 5 | 6 42 | 0n 3 | 10 43 | 1 10 | 10 16 | 1 3 | 5 0 | 2 38 | 16 51 | 0 44 | 21 25 | 1 17 | 5 44 | 16 0 | 22 32 | 22 27 | 21 12 | 6 40 | 2 24 |
| S 19 | 11 44 | 22 2 | 0n41 | 3 49 | 2 2 | 6 26 | 0 9 | 10 38 | 1 7 | 10 13 | 1 3 | 5 2 | 2 38 | 16 51 | 0 44 | 21 25 | 1 17 | 5 43 | 16 0 | 22 32 | 22 27 | 21 13 | 6 39 | 2 24 |
| S 20 | 12 5 | 20 26 | 1 43 | 4 27 | 1 59 | 6 10 | 0 16 | 10 34 | 1 3 | 10 9 | 1 3 | 5 3 | 2 38 | 16 51 | 0 44 | 21 25 | 1 17 | 5 42 | 16 0 | 22 32 | 22 28 | 21 15 | 6 38 | 2 24 |
| M21 | 12 26 | 17 51 | 2 42 | 5 5 | 1 55 | 5 53 | 0 22 | 10 30 | 1 0 | 10 6 | 1 3 | 5 4 | 2 38 | 16 51 | 0 44 | 21 26 | 1 17 | 5 41 | 16 0 | 22 32 | 22 28 | 21 16 | 6 37 | 2 24 |
| T 22 | 12 47 | 14 22 | 3 34 | 5 45 | 1 50 | 5 36 | 0 28 | 10 26 | 0 56 | 10 3 | 1 3 | 5 5 | 2 37 | 16 51 | 0 44 | 21 26 | 1 17 | 5 40 | 16 0 | 22 32 | 22 28 | 21 17 | 6 36 | 2 24 |
| W23 | 13 7 | 10 6 | 4 17 | 6 25 | 1 45 | 5 18 | 0 34 | 10 21 | 0 53 | 9 59 | 1 4 | 5 6 | 2 37 | 16 51 | 0 44 | 21 26 | 1 17 | 5 40 | 16 0 | 22 33 | 22 29 | 21 18 | 6 35 | 2 23 |
| T 24 | 13 27 | 5 11 | 4 48 | 7 5 | 1 40 | 5 0 | 0 40 | 10 17 | 0 50 | 9 56 | 1 4 | 5 7 | 2 37 | 16 50 | 0 44 | 21 26 | 1 17 | 5 39 | 16 1 | 22 34 | 22 29 | 21 19 | 6 34 | 2 23 |
| F 25 | 13 48 | 0s 9 | 5 2 | 7 45 | 1 34 | 4 42 | 0 45 | 10 13 | 0 46 | 9 52 | 1 4 | 5 8 | 2 37 | 16 50 | 0 44 | 21 27 | 1 17 | 5 38 | 16 1 | 22 35 | 22 30 | 21 20 | 6 33 | 2 23 |
| S 26 | 14 7 | 5 38 | 4 58 | 8 25 | 1 29 | 4 23 | 0 50 | 10 10 | 0 43 | 9 49 | 1 4 | 5 9 | 2 37 | 16 50 | 0 44 | 21 27 | 1 17 | 5 37 | 16 1 | 22 37 | 22 30 | 21 21 | 6 32 | 2 23 |
| S 27 | 14 27 | 10 55 | 4 34 | 9 5 | 1 23 | 4 4 | 0 56 | 10 6 | 0 39 | 9 46 | 1 4 | 5 10 | 2 36 | 16 50 | 0 44 | 21 27 | 1 17 | 5 37 | 16 1 | 22 38 | 22 30 | 21 23 | 6 31 | 2 23 |
| M28 | 14 47 | 15 38 | 3 51 | 9 45 | 1 17 | 3 44 | 1 1 | 10 2 | 0 36 | 9 43 | 1 5 | 5 10 | 2 36 | 16 50 | 0 44 | 21 27 | 1 17 | 5 36 | 16 1 | 22 39 | 22 31 | 21 24 | 6 29 | 2 23 |
| T 29 | 15 6 | 19 22 | 2 53 | 10 25 | 1 10 | 3 24 | 1 6 | 9 59 | 0 33 | 9 40 | 1 5 | 5 11 | 2 36 | 16 50 | 0 44 | 21 28 | 1 16 | 5 35 | 16 1 | 22 40 | 22 31 | 21 25 | 6 28 | 2 23 |
| W30 | 15 25 | 21 47 | 1 43 | 11 5 | 1 4 | 3 4 | 1 10 | 9 56 | 0 29 | 9 37 | 1 5 | 5 12 | 2 36 | 16 50 | 0 44 | 21 28 | 1 16 | 5 34 | 16 1 | 22 40 | 22 32 | 21 26 | 6 27 | 2 23 |
| T 31 | 15s43 | 22s43 | 0n27 | 11s44 | 0n57 | 2n43 | 1n15 | 9n52 | 0s26 | 9n33 | 1n 5 | 5s13 | 2s36 | 16s50 | 0s44 | 21s28 | 1n16 | 5n34 | 16n 1 | 22n41 | 22n32 | 21n27 | 6n26 | 2n22 |

Julian Day Number = 2084754.5, Delta T = 24m44s
Ecliptic obliquity = 23°34'07, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'36, Lahiri = 9°51'37 Julian Calendar 1 Oct. 995 == Greg. Calendar 6 Oct. 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## NOVEMBER 995 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 2 59 53 | 13♏40'32 | 24♉40 | 4♏44 | 27♍ 7 | 26°R14 | 8♍19 | 22°R52 | 15♒59 | 15♐ 9 | 24♎ 0 | 15♋23 | 16♋33 | 24♊ 6 | 10°R40 | F 1 |
| S 2 | 3 3 50 | 14°41'14 | 8♒39 | 6°19 | 28°10 | 25♈59 | 8°27 | 22♓50 | 16° 0 | 15°11 | 24° 2 | 15°R24 | 16°29 | 24°13 | 10♈38 | S 2 |
| S 3 | 3 7 46 | 15°41'57 | 22°20 | 7°55 | 29°14 | 25°44 | 8°36 | 22°49 | 16° 0 | 15°13 | 24° 4 | 15°24 | 16°26 | 24°20 | 10°36 | S 3 |
| M 4 | 3 11 43 | 16°42'41 | 5♓44 | 9°30 | 0♎17 | 25°30 | 8°44 | 22°47 | 16° 1 | 15°15 | 24° 7 | 15°22 | 16°23 | 24°26 | 10°34 | M 4 |
| T 5 | 3 15 39 | 17°43'26 | 18°52 | 11° 5 | 1°21 | 25°16 | 8°52 | 22°45 | 16° 2 | 15°17 | 24° 9 | 15°18 | 16°20 | 24°33 | 10°31 | T 5 |
| W 6 | 3 19 36 | 18°44'12 | 1♈46 | 12°40 | 2°26 | 25° 4 | 9° 0 | 22°43 | 16° 3 | 15°19 | 24°11 | 15°11 | 16°17 | 24°40 | 10°29 | W 6 |
| T 7 | 3 23 32 | 19°44'59 | 14°28 | 14°15 | 3°30 | 24°52 | 9° 8 | 22°42 | 16° 3 | 15°21 | 24°14 | 15° 2 | 16°13 | 24°46 | 10°27 | T 7 |
| F 8 | 3 27 29 | 20°45'47 | 26°59 | 15°50 | 4°35 | 24°41 | 9°15 | 22°40 | 16° 4 | 15°23 | 24°16 | 14°52 | 16°10 | 24°53 | 10°25 | F 8 |
| S 9 | 3 31 25 | 21°46'37 | 9♉19 | 17°24 | 5°41 | 24°31 | 9°23 | 22°39 | 16° 5 | 15°25 | 24°18 | 14°42 | 16° 7 | 25° 0 | 10°23 | S 9 |
| S 10 | 3 35 22 | 22°47'27 | 21°30 | 18°59 | 6°46 | 24°21 | 9°30 | 22°38 | 16° 6 | 15°27 | 24°20 | 14°32 | 16° 4 | 25° 6 | 10°22 | S 10 |
| M11 | 3 39 19 | 23°48'19 | 3♊32 | 20°34 | 7°52 | 24°12 | 9°38 | 22°37 | 16° 7 | 15°30 | 24°22 | 14°23 | 16° 1 | 25°13 | 10°20 | M11 |
| T 12 | 3 43 15 | 24°49'12 | 15°27 | 22° 8 | 8°58 | 24° 5 | 9°45 | 22°36 | 16° 8 | 15°32 | 24°25 | 14°17 | 15°58 | 25°20 | 10°18 | T 12 |
| W13 | 3 47 12 | 25°50'07 | 27°16 | 23°42 | 10° 5 | 23°58 | 9°52 | 22°35 | 16°10 | 15°34 | 24°27 | 14°13 | 15°54 | 25°26 | 10°16 | W13 |
| T 14 | 3 51 8 | 26°51'02 | 9♋ 2 | 25°17 | 11°11 | 23°51 | 9°59 | 22°34 | 16°11 | 15°36 | 24°29 | 14°D11 | 15°51 | 25°33 | 10°14 | T 14 |
| F 15 | 3 55 5 | 27°51'59 | 20°49 | 26°51 | 12°18 | 23°46 | 10° 5 | 22°34 | 16°12 | 15°38 | 24°31 | 14°11 | 15°48 | 25°39 | 10°13 | F 15 |
| S 16 | 3 59 1 | 28°52'57 | 2♌41 | 28°25 | 13°25 | 23°41 | 10°12 | 22°33 | 16°13 | 15°40 | 24°33 | 14°12 | 15°45 | 25°46 | 10°11 | S 16 |
| S 17 | 4 2 58 | 29°53'56 | 14°43 | 29°59 | 14°33 | 23°38 | 10°18 | 22°33 | 16°15 | 15°43 | 24°35 | 14°14 | 15°42 | 25°53 | 10°10 | S 17 |
| M18 | 4 6 54 | 0♐54'57 | 26°58 | 1♐34 | 15°40 | 23°35 | 10°25 | 22°32 | 16°16 | 15°45 | 24°37 | 14°R15 | 15°39 | 25°59 | 10° 8 | M18 |
| T 19 | 4 10 51 | 1°55'58 | 9♍33 | 3° 8 | 16°48 | 23°33 | 10°31 | 22°32 | 16°17 | 15°47 | 24°39 | 14°14 | 15°35 | 26° 6 | 10° 7 | T 19 |
| W20 | 4 14 48 | 2°57'01 | 22°33 | 4°43 | 17°56 | 23°31 | 10°37 | 22°32 | 16°19 | 15°49 | 24°41 | 14°12 | 15°32 | 26°13 | 10° 5 | W20 |
| T 21 | 4 18 44 | 3°58'05 | 6♎ 0 | 6°17 | 19° 4 | 23°D31 | 10°42 | 22°D32 | 16°20 | 15°51 | 24°43 | 14° 9 | 15°29 | 26°19 | 10° 4 | T 21 |
| F 22 | 4 22 41 | 4°59'10 | 19°56 | 7°51 | 20°13 | 23°31 | 10°48 | 22°32 | 16°22 | 15°54 | 24°45 | 14° 3 | 15°26 | 26°26 | 10° 2 | F 22 |
| S 23 | 4 26 37 | 6° 0'16 | 4♏20 | 9°26 | 21°21 | 23°32 | 10°54 | 22°32 | 16°24 | 15°56 | 24°47 | 13°57 | 15°23 | 26°33 | 10° 1 | S 23 |
| S 24 | 4 30 34 | 7° 1'23 | 19° 9 | 11° 1 | 22°30 | 23°34 | 10°59 | 22°33 | 16°25 | 15°58 | 24°49 | 13°51 | 15°19 | 26°39 | 10° 0 | S 24 |
| M25 | 4 34 30 | 8° 2'30 | 4♐14 | 12°35 | 23°39 | 23°36 | 11° 4 | 22°33 | 16°27 | 16° 0 | 24°51 | 13°46 | 15°16 | 26°46 | 9°59 | M25 |
| T 26 | 4 38 27 | 9° 3'39 | 19°26 | 14°10 | 24°48 | 23°40 | 11° 9 | 22°33 | 16°29 | 16° 3 | 24°53 | 13°43 | 15°13 | 26°53 | 9°58 | T 26 |
| W27 | 4 42 23 | 10° 4'48 | 4♉35 | 15°45 | 25°57 | 23°44 | 11°14 | 22°34 | 16°31 | 16° 5 | 24°55 | 13°41 | 15°10 | 26°59 | 9°57 | W27 |
| T 28 | 4 46 20 | 11° 5'58 | 19°32 | 17°21 | 27° 7 | 23°49 | 11°18 | 22°35 | 16°32 | 16° 7 | 24°57 | 13°D41 | 15° 7 | 27° 6 | 9°55 | T 28 |
| F 29 | 4 50 17 | 12° 7'08 | 4♒10 | 18°56 | 28°16 | 23°54 | 11°23 | 22°36 | 16°34 | 16°10 | 24°59 | 13°42 | 15° 4 | 27°13 | 9°55 | F 29 |
| S 30 | 4 54 13 | 13♐ 8'18 | 18♒24 | 20♐31 | 29♎26 | 24♈ 1 | 11♍27 | 22♓37 | 16♒36 | 16♐12 | 25♎ 1 | 13♋43 | 15♋ 0 | 27♊19 | 9♈54 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 16s 2 | 22s 7 | 0s49 | 12s22 | 0n51 | 2n22 | 1n20 | 9n50 | 0s23 | 9n30 | 1n 6 | 5s13 | 2s35 | 16s49 | 0s44 | 21s28 | 1n16 | 5n33 | 16n 2 | 22n41 | 22n32 | 21n28 | 6n25 | 2n22 |
| S 2 | 16 20 | 20 8 | 2 1 | 13 1 | 0 44 | 2 1 | 1 24 | 9 47 | 0 20 | 9 27 | 1 6 | 5 14 | 2 35 | 16 49 | 0 43 | 21 29 | 1 16 | 5 32 | 16 2 | 22 40 | 22 33 | 21 29 | 6 24 | 2 22 |
| S 3 | 16 38 | 17 2 | 3 4 | 13 38 | 0 37 | 1 39 | 1 28 | 9 44 | 0 17 | 9 25 | 1 6 | 5 14 | 2 35 | 16 49 | 0 43 | 21 29 | 1 16 | 5 32 | 16 2 | 22 40 | 22 33 | 21 30 | 6 23 | 2 22 |
| M 4 | 16 55 | 13 6 | 3 56 | 14 15 | 0 30 | 1 17 | 1 32 | 9 42 | 0 13 | 9 22 | 1 6 | 5 15 | 2 35 | 16 49 | 0 43 | 21 29 | 1 16 | 5 31 | 16 2 | 22 41 | 22 33 | 21 32 | 6 22 | 2 22 |
| T 5 | 17 13 | 8 37 | 4 34 | 14 52 | 0 24 | 0 55 | 1 36 | 9 40 | 0 10 | 9 19 | 1 6 | 5 15 | 2 35 | 16 48 | 0 43 | 21 29 | 1 16 | 5 30 | 16 2 | 22 41 | 22 34 | 21 33 | 6 21 | 2 22 |
| W 6 | 17 29 | 3 50 | 4 57 | 15 27 | 0 17 | 0 33 | 1 40 | 9 38 | 0 7 | 9 16 | 1 7 | 5 16 | 2 34 | 16 48 | 0 43 | 21 30 | 1 16 | 5 30 | 16 2 | 22 42 | 22 34 | 21 34 | 6 20 | 2 22 |
| T 7 | 17 46 | 1n 3 | 5 5 | 16 3 | 0 10 | 0 10 | 1 43 | 9 37 | 0 4 | 9 13 | 1 7 | 5 16 | 2 34 | 16 48 | 0 43 | 21 30 | 1 16 | 5 29 | 16 3 | 22 43 | 22 35 | 21 35 | 6 20 | 2 21 |
| F 8 | 18 2 | 5 48 | 4 59 | 16 37 | 0 3 | 0s12 | 1 47 | 9 35 | 0 1 | 9 11 | 1 7 | 5 17 | 2 34 | 16 48 | 0 43 | 21 30 | 1 16 | 5 29 | 16 3 | 22 44 | 22 35 | 21 36 | 6 19 | 2 21 |
| S 9 | 18 18 | 10 17 | 4 38 | 17 11 | 0s 4 | 0 35 | 1 50 | 9 34 | 0n 1 | 9 8 | 1 7 | 5 17 | 2 34 | 16 47 | 0 43 | 21 30 | 1 16 | 5 28 | 16 3 | 22 45 | 22 35 | 21 37 | 6 18 | 2 21 |
| S 10 | 18 34 | 14 18 | 4 5 | 17 43 | 0 10 | 0 59 | 1 53 | 9 33 | 0 4 | 9 5 | 1 8 | 5 17 | 2 34 | 16 47 | 0 43 | 21 31 | 1 16 | 5 27 | 16 3 | 22 46 | 22 36 | 21 38 | 6 17 | 2 21 |
| M11 | 18 50 | 17 41 | 3 21 | 18 15 | 0 17 | 1 22 | 1 56 | 9 33 | 0 7 | 9 3 | 1 8 | 5 17 | 2 33 | 16 47 | 0 43 | 21 31 | 1 16 | 5 27 | 16 3 | 22 47 | 22 36 | 21 39 | 6 16 | 2 21 |
| T 12 | 19 5 | 20 18 | 2 29 | 18 47 | 0 23 | 1 45 | 1 59 | 9 32 | 0 10 | 9 0 | 1 8 | 5 18 | 2 33 | 16 46 | 0 43 | 21 31 | 1 16 | 5 26 | 16 4 | 22 48 | 22 37 | 21 40 | 6 15 | 2 21 |
| W13 | 19 19 | 22 2 | 1 30 | 19 17 | 0 30 | 2 9 | 2 1 | 9 32 | 0 12 | 8 58 | 1 8 | 5 18 | 2 33 | 16 46 | 0 43 | 21 31 | 1 16 | 5 26 | 16 4 | 22 48 | 22 37 | 21 41 | 6 14 | 2 20 |
| T 14 | 19 34 | 22 48 | 0 28 | 19 46 | 0 36 | 2 33 | 2 4 | 9 32 | 0 15 | 8 56 | 1 9 | 5 18 | 2 33 | 16 45 | 0 43 | 21 32 | 1 16 | 5 25 | 16 4 | 22 49 | 22 37 | 21 42 | 6 13 | 2 20 |
| F 15 | 19 47 | 22 32 | 0n36 | 20 15 | 0 42 | 2 57 | 2 6 | 9 33 | 0 17 | 8 53 | 1 9 | 5 18 | 2 32 | 16 45 | 0 43 | 21 32 | 1 16 | 5 25 | 16 4 | 22 49 | 22 38 | 21 43 | 6 13 | 2 20 |
| S 16 | 20 1 | 21 16 | 1 39 | 20 42 | 0 49 | 3 21 | 2 9 | 9 33 | 0 20 | 8 51 | 1 9 | 5 18 | 2 32 | 16 45 | 0 43 | 21 32 | 1 16 | 5 24 | 16 5 | 22 48 | 22 38 | 21 44 | 6 12 | 2 20 |
| S 17 | 20 14 | 19 2 | 2 38 | 21 9 | 0 55 | 3 45 | 2 11 | 9 34 | 0 22 | 8 49 | 1 9 | 5 18 | 2 32 | 16 44 | 0 43 | 21 32 | 1 16 | 5 24 | 16 5 | 22 48 | 22 38 | 21 45 | 6 11 | 2 20 |
| M18 | 20 27 | 15 54 | 3 31 | 21 34 | 1 0 | 4 10 | 2 13 | 9 35 | 0 25 | 8 47 | 1 10 | 5 18 | 2 32 | 16 44 | 0 43 | 21 33 | 1 16 | 5 23 | 16 5 | 22 48 | 22 39 | 21 46 | 6 10 | 2 20 |
| T 19 | 20 40 | 11 58 | 4 16 | 21 59 | 1 6 | 4 34 | 2 14 | 9 37 | 0 27 | 8 45 | 1 10 | 5 18 | 2 31 | 16 43 | 0 43 | 21 33 | 1 16 | 5 23 | 16 6 | 22 48 | 22 39 | 21 47 | 6 10 | 2 19 |
| W20 | 20 52 | 7 24 | 4 49 | 22 22 | 1 12 | 4 59 | 2 16 | 9 38 | 0 29 | 8 43 | 1 10 | 5 17 | 2 31 | 16 43 | 0 43 | 21 33 | 1 16 | 5 22 | 16 6 | 22 48 | 22 40 | 21 48 | 6 9 | 2 19 |
| T 21 | 21 3 | 2 19 | 5 8 | 22 44 | 1 17 | 5 23 | 2 18 | 9 40 | 0 32 | 8 41 | 1 10 | 5 17 | 2 31 | 16 42 | 0 43 | 21 33 | 1 16 | 5 22 | 16 6 | 22 49 | 22 40 | 21 50 | 6 8 | 2 19 |
| F 22 | 21 15 | 3s 4 | 5 9 | 23 5 | 1 22 | 5 48 | 2 19 | 9 42 | 0 34 | 8 39 | 1 11 | 5 17 | 2 31 | 16 42 | 0 43 | 21 34 | 1 16 | 5 22 | 16 6 | 22 49 | 22 40 | 21 51 | 6 7 | 2 19 |
| S 23 | 21 26 | 8 27 | 4 52 | 23 25 | 1 27 | 6 12 | 2 20 | 9 44 | 0 36 | 8 37 | 1 11 | 5 17 | 2 30 | 16 41 | 0 43 | 21 34 | 1 16 | 5 21 | 16 7 | 22 50 | 22 41 | 21 52 | 6 7 | 2 19 |
| S 24 | 21 36 | 13 31 | 4 14 | 23 44 | 1 32 | 6 37 | 2 22 | 9 47 | 0 38 | 8 35 | 1 11 | 5 16 | 2 30 | 16 41 | 0 43 | 21 34 | 1 16 | 5 21 | 16 7 | 22 51 | 22 41 | 21 53 | 6 6 | 2 19 |
| M25 | 21 46 | 17 51 | 3 19 | 24 2 | 1 37 | 7 1 | 2 23 | 9 50 | 0 40 | 8 33 | 1 11 | 5 16 | 2 30 | 16 40 | 0 43 | 21 34 | 1 16 | 5 21 | 16 7 | 22 51 | 22 41 | 21 54 | 6 5 | 2 18 |
| T 26 | 21 56 | 21 0 | 2 9 | 24 18 | 1 41 | 7 26 | 2 24 | 9 53 | 0 42 | 8 32 | 1 12 | 5 15 | 2 30 | 16 40 | 0 43 | 21 35 | 1 16 | 5 20 | 16 8 | 22 51 | 22 42 | 21 55 | 6 5 | 2 18 |
| W27 | 22 5 | 22 40 | 0 50 | 24 33 | 1 45 | 7 50 | 2 24 | 9 56 | 0 44 | 8 30 | 1 12 | 5 15 | 2 29 | 16 39 | 0 43 | 21 35 | 1 16 | 5 20 | 16 8 | 22 52 | 22 42 | 21 56 | 6 4 | 2 18 |
| T 28 | 22 14 | 22 40 | 0s32 | 24 46 | 1 49 | 8 15 | 2 25 | 10 0 | 0 45 | 8 28 | 1 12 | 5 14 | 2 29 | 16 38 | 0 43 | 21 35 | 1 16 | 5 20 | 16 9 | 22 52 | 22 42 | 21 57 | 6 4 | 2 18 |
| F 29 | 22 22 | 21 6 | 1 50 | 24 59 | 1 53 | 8 39 | 2 26 | 10 3 | 0 47 | 8 27 | 1 13 | 5 14 | 2 29 | 16 38 | 0 43 | 21 35 | 1 16 | 5 19 | 16 9 | 22 52 | 22 43 | 21 57 | 6 3 | 2 18 |
| S 30 | 22s30 | 18s14 | 2s59 | 25s 9 | 1s56 | 9s 3 | 2n26 | 10n 7 | 0n49 | 8n26 | 1n13 | 5s13 | 2s29 | 16s37 | 0s43 | 21s36 | 1n16 | 5n19 | 16n 9 | 22n51 | 22n43 | 21n58 | 6n 3 | 2n17 |

Julian Day Number = 2084785.5, Delta T = 24m44s
Ecliptic obliquity = 23°34'07, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'41, Lahiri = 9°51'41 Julian Calendar 1 Nov. 995 == Greg. Calendar 6 Nov. 995


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# ASTRODIENST EPHEMERIS for the year 995
# geocentric

## DECEMBER 995 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 4 58 10 | 14♐ 9'28 | 2♓15 | 22♐ 7 | 0♏36 | 24♈ 8 | 11♍31 | 22♓38 | 16♒38 | 16♐14 | 25♎ 2 | 13♋45 | 14♋57 | 27♊26 | 9°R53 | S 1 |
| M 2 | 5 2 6 | 15°10'38 | 15°41 | 23°42 | 1°46 | 24°15 | 11°35 | 22°39 | 16°40 | 16°16 | 25° 4 | 13°R45 | 14°54 | 27°33 | 9♈52 | M 2 |
| T 3 | 5 6 3 | 16°11'49 | 28°46 | 25°18 | 2°56 | 24°24 | 11°39 | 22°40 | 16°42 | 16°19 | 25° 6 | 13°44 | 14°51 | 27°39 | 9°51 | T 3 |
| W 4 | 5 9 59 | 17°12'59 | 11♈31 | 26°54 | 4° 6 | 24°33 | 11°43 | 22°42 | 16°44 | 16°21 | 25° 8 | 13°42 | 14°48 | 27°46 | 9°50 | W 4 |
| T 5 | 5 13 56 | 18°14'10 | 24° 1 | 28°30 | 5°17 | 24°43 | 11°46 | 22°43 | 16°46 | 16°23 | 25° 9 | 13°39 | 14°45 | 27°53 | 9°50 | T 5 |
| F 6 | 5 17 53 | 19°15'20 | 6♉19 | 0♑ 6 | 6°27 | 24°53 | 11°50 | 22°45 | 16°49 | 16°25 | 25°11 | 13°35 | 14°41 | 27°59 | 9°49 | F 6 |
| S 7 | 5 21 49 | 20°16'31 | 18°25 | 1°42 | 7°38 | 25° 4 | 11°53 | 22°47 | 16°51 | 16°28 | 25°12 | 13°31 | 14°38 | 28° 6 | 9°49 | S 7 |
| S 8 | 5 25 46 | 21°17'42 | 0♊25 | 3°18 | 8°49 | 25°15 | 11°56 | 22°49 | 16°53 | 16°30 | 25°14 | 13°27 | 14°35 | 28°13 | 9°48 | S 8 |
| M 9 | 5 29 42 | 22°18'53 | 12°18 | 4°53 | 9°59 | 25°28 | 11°58 | 22°51 | 16°55 | 16°32 | 25°16 | 13°24 | 14°32 | 28°19 | 9°48 | M 9 |
| T 10 | 5 33 39 | 23°20'04 | 24° 8 | 6°29 | 11°10 | 25°40 | 12° 1 | 22°53 | 16°58 | 16°34 | 25°17 | 13°21 | 14°29 | 28°26 | 9°47 | T 10 |
| W11 | 5 37 35 | 24°21'15 | 5♋56 | 8° 4 | 12°21 | 25°54 | 12° 3 | 22°55 | 17° 0 | 16°37 | 25°19 | 13°20 | 14°25 | 28°32 | 9°47 | W11 |
| T 12 | 5 41 32 | 25°22'26 | 17°44 | 9°39 | 13°33 | 26° 7 | 12° 5 | 22°57 | 17° 3 | 16°39 | 25°20 | 13°D20 | 14°22 | 28°39 | 9°47 | T 12 |
| F 13 | 5 45 28 | 26°23'37 | 29°35 | 11°13 | 14°44 | 26°22 | 12° 7 | 22°59 | 17° 5 | 16°41 | 25°22 | 13°21 | 14°19 | 28°46 | 9°47 | F 13 |
| S 14 | 5 49 25 | 27°24'49 | 11♌31 | 12°46 | 15°55 | 26°37 | 12° 9 | 23° 2 | 17° 8 | 16°43 | 25°23 | 13°22 | 14°16 | 28°52 | 9°46 | S 14 |
| S 15 | 5 53 22 | 28°26'01 | 23°36 | 14°19 | 17° 7 | 26°52 | 12°11 | 23° 5 | 17°10 | 16°46 | 25°24 | 13°23 | 14°13 | 28°59 | 9°46 | S 15 |
| M16 | 5 57 18 | 29°27'12 | 5♍54 | 15°50 | 18°18 | 27° 8 | 12°12 | 23° 7 | 17°13 | 16°48 | 25°26 | 13°25 | 14°10 | 29° 6 | 9°D46 | M16 |
| T 17 | 6 1 15 | 0♎28'24 | 18°28 | 17°20 | 19°30 | 27°25 | 12°13 | 23°10 | 17°15 | 16°50 | 25°27 | 13°26 | 14° 6 | 29°12 | 9°46 | T 17 |
| W18 | 6 5 11 | 1°29'36 | 1♎22 | 18°48 | 20°42 | 27°41 | 12°14 | 23°13 | 17°18 | 16°52 | 25°28 | 13°R26 | 14° 3 | 29°19 | 9°46 | W18 |
| T 19 | 6 9 8 | 2°30'47 | 14°40 | 20°13 | 21°54 | 27°59 | 12°15 | 23°16 | 17°21 | 16°55 | 25°30 | 13°26 | 14° 0 | 29°26 | 9°47 | T 19 |
| F 20 | 6 13 4 | 3°31'59 | 28°24 | 21°36 | 23° 6 | 28°17 | 12°16 | 23°19 | 17°23 | 16°57 | 25°31 | 13°25 | 13°57 | 29°32 | 9°47 | F 20 |
| S 21 | 6 17 1 | 4°33'11 | 12♏35 | 22°56 | 24°18 | 28°35 | 12°16 | 23°22 | 17°26 | 16°59 | 25°32 | 13°24 | 13°54 | 29°39 | 9°47 | S 21 |
| S 22 | 6 20 57 | 5°34'23 | 27°11 | 24°13 | 25°30 | 28°54 | 12°17 | 23°25 | 17°29 | 17° 1 | 25°33 | 13°23 | 13°51 | 29°46 | 9°47 | S 22 |
| M23 | 6 24 54 | 6°35'35 | 12♐ 8 | 25°25 | 26°42 | 29°13 | 12°R17 | 23°29 | 17°32 | 17° 3 | 25°34 | 13°22 | 13°47 | 29°52 | 9°48 | M23 |
| T 24 | 6 28 51 | 7°36'47 | 27°17 | 26°32 | 27°54 | 29°32 | 12°17 | 23°32 | 17°34 | 17° 6 | 25°35 | 13°22 | 13°44 | 29°59 | 9°48 | T 24 |
| W25 | 6 32 47 | 8°37'58 | 12♑31 | 27°33 | 29° 6 | 29°52 | 12°16 | 23°36 | 17°37 | 17° 8 | 25°37 | 13°D21 | 13°41 | 0♋ 6 | 9°49 | W25 |
| T 26 | 6 36 44 | 9°39'09 | 27°39 | 28°27 | 0♐19 | 0♉13 | 12°16 | 23°40 | 17°40 | 17°10 | 25°38 | 13°22 | 13°38 | 0°12 | 9°49 | T 26 |
| F 27 | 6 40 40 | 10°40'19 | 12♒32 | 29°14 | 1°31 | 0°34 | 12°15 | 23°43 | 17°43 | 17°12 | 25°39 | 13°22 | 13°35 | 0°19 | 9°50 | F 27 |
| S 28 | 6 44 37 | 11°41'28 | 27° 3 | 29°53 | 2°44 | 0°55 | 12°14 | 23°47 | 17°46 | 17°14 | 25°40 | 13°22 | 13°31 | 0°26 | 9°50 | S 28 |
| S 29 | 6 48 33 | 12°42'36 | 11♓ 8 | 0♒22 | 3°56 | 1°16 | 12°13 | 23°51 | 17°49 | 17°16 | 25°40 | 13°22 | 13°28 | 0°32 | 9°51 | S 29 |
| M30 | 6 52 30 | 13°43'44 | 24°46 | 0°41 | 5° 9 | 1°38 | 12°12 | 23°55 | 17°52 | 17°18 | 25°41 | 13°R22 | 13°25 | 0°39 | 9°52 | M30 |
| T 31 | 6 56 26 | 14♑44'50 | 7♈57 | 0°R50 | 6♐21 | 2♉ 1 | 12♍10 | 23♓59 | 17♒55 | 17♐20 | 25♎42 | 13♋22 | 13♋22 | 0♋45 | 9♈53 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s37 | 14s23 | 3s56 | 25s19 | 1s59 | 9s28 | 2n26 | 10n11 | 0n51 | 8n24 | 1n13 | 5s13 | 2s28 | 16s37 | 0s43 | 21s36 | 1n16 | 5n19 | 16n10 | 22n51 | 22n43 | 21n59 | 6n 2 | 2n17 |
| M 2 | 22 44 | 9 56 | 4 37 | 25 27 | 2 2 | 9 52 | 2 26 | 10 16 | 0 52 | 8 23 | 1 13 | 5 12 | 2 28 | 16 36 | 0 43 | 21 36 | 1 16 | 5 18 | 16 10 | 22 51 | 22 44 | 22 0 | 6 2 | 2 17 |
| T 3 | 22 51 | 5 8 | 5 4 | 25 33 | 2 4 | 10 16 | 2 27 | 10 20 | 0 54 | 8 22 | 1 14 | 5 11 | 2 28 | 16 35 | 0 42 | 21 36 | 1 16 | 5 18 | 16 10 | 22 51 | 22 44 | 22 1 | 6 1 | 2 17 |
| W 4 | 22 57 | 0 14 | 5 14 | 25 38 | 2 6 | 10 39 | 2 26 | 10 25 | 0 55 | 8 21 | 1 14 | 5 10 | 2 28 | 16 35 | 0 42 | 21 36 | 1 16 | 5 18 | 16 11 | 22 52 | 22 45 | 22 2 | 6 1 | 2 17 |
| T 5 | 23 3 | 4n35 | 5 9 | 25 42 | 2 8 | 11 3 | 2 26 | 10 30 | 0 57 | 8 20 | 1 14 | 5 10 | 2 28 | 16 34 | 0 42 | 21 37 | 1 16 | 5 18 | 16 11 | 22 52 | 22 45 | 22 3 | 6 0 | 2 17 |
| F 6 | 23 8 | 9 8 | 4 50 | 25 43 | 2 9 | 11 27 | 2 26 | 10 35 | 0 58 | 8 19 | 1 14 | 5 9 | 2 27 | 16 33 | 0 42 | 21 37 | 1 16 | 5 18 | 16 12 | 22 52 | 22 45 | 22 4 | 6 0 | 2 16 |
| S 7 | 23 13 | 13 16 | 4 18 | 25 44 | 2 10 | 11 50 | 2 26 | 10 41 | 1 0 | 8 18 | 1 15 | 5 8 | 2 27 | 16 33 | 0 42 | 21 37 | 1 16 | 5 17 | 16 12 | 22 53 | 22 46 | 22 5 | 6 0 | 2 16 |
| S 8 | 23 17 | 16 50 | 3 35 | 25 42 | 2 10 | 12 13 | 2 25 | 10 46 | 1 1 | 8 17 | 1 15 | 5 7 | 2 27 | 16 32 | 0 42 | 21 37 | 1 16 | 5 17 | 16 12 | 22 53 | 22 46 | 22 6 | 5 59 | 2 16 |
| M 9 | 23 21 | 19 42 | 2 43 | 25 39 | 2 10 | 12 36 | 2 25 | 10 52 | 1 2 | 8 16 | 1 15 | 5 6 | 2 27 | 16 31 | 0 42 | 21 38 | 1 16 | 5 17 | 16 13 | 22 53 | 22 46 | 22 7 | 5 59 | 2 16 |
| T 10 | 23 24 | 21 42 | 1 44 | 25 34 | 2 10 | 12 59 | 2 24 | 10 58 | 1 4 | 8 15 | 1 16 | 5 5 | 2 26 | 16 30 | 0 42 | 21 38 | 1 16 | 5 17 | 16 13 | 22 54 | 22 47 | 22 8 | 5 58 | 2 16 |
| W11 | 23 27 | 22 45 | 0 41 | 25 28 | 2 9 | 13 21 | 2 23 | 11 4 | 1 5 | 8 15 | 1 16 | 5 4 | 2 26 | 16 30 | 0 42 | 21 38 | 1 16 | 5 17 | 16 14 | 22 54 | 22 47 | 22 9 | 5 58 | 2 15 |
| T 12 | 23 29 | 22 47 | 0n24 | 25 20 | 2 7 | 13 44 | 2 22 | 11 10 | 1 6 | 8 14 | 1 16 | 5 3 | 2 26 | 16 29 | 0 42 | 21 38 | 1 16 | 5 17 | 16 14 | 22 54 | 22 47 | 22 10 | 5 58 | 2 15 |
| F 13 | 23 31 | 21 48 | 1 29 | 25 10 | 2 5 | 14 6 | 2 21 | 11 16 | 1 7 | 8 14 | 1 16 | 5 1 | 2 26 | 16 28 | 0 42 | 21 39 | 1 16 | 5 17 | 16 15 | 22 54 | 22 48 | 22 11 | 5 58 | 2 15 |
| S 14 | 23 33 | 19 49 | 2 30 | 24 58 | 2 2 | 14 27 | 2 20 | 11 23 | 1 8 | 8 13 | 1 17 | 5 0 | 2 25 | 16 27 | 0 42 | 21 39 | 1 16 | 5 17 | 16 15 | 22 54 | 22 48 | 22 12 | 5 57 | 2 15 |
| S 15 | 23 34 | 16 57 | 3 25 | 24 45 | 1 58 | 14 49 | 2 19 | 11 29 | 1 10 | 8 13 | 1 17 | 4 59 | 2 25 | 16 27 | 0 42 | 21 39 | 1 16 | 5 16 | 16 16 | 22 53 | 22 48 | 22 13 | 5 57 | 2 15 |
| M16 | 23 34 | 13 18 | 4 12 | 24 30 | 1 54 | 15 10 | 2 18 | 11 36 | 1 11 | 8 13 | 1 17 | 4 58 | 2 25 | 16 26 | 0 42 | 21 39 | 1 16 | 5 16 | 16 16 | 22 53 | 22 49 | 22 13 | 5 57 | 2 15 |
| T 17 | 23 34 | 9 0 | 4 48 | 24 14 | 1 49 | 15 31 | 2 16 | 11 43 | 1 12 | 8 12 | 1 18 | 4 56 | 2 25 | 16 25 | 0 42 | 21 39 | 1 16 | 5 16 | 16 16 | 22 53 | 22 49 | 22 14 | 5 57 | 2 14 |
| W18 | 23 34 | 4 12 | 5 11 | 23 56 | 1 43 | 15 51 | 2 15 | 11 50 | 1 13 | 8 12 | 1 18 | 4 55 | 2 24 | 16 24 | 0 42 | 21 40 | 1 16 | 5 16 | 16 17 | 22 53 | 22 49 | 22 15 | 5 57 | 2 14 |
| T 19 | 23 33 | 0s56 | 5 17 | 23 37 | 1 36 | 16 11 | 2 13 | 11 57 | 1 14 | 8 12 | 1 18 | 4 54 | 2 24 | 16 23 | 0 42 | 21 40 | 1 16 | 5 16 | 16 17 | 22 53 | 22 50 | 22 16 | 5 57 | 2 14 |
| F 20 | 23 31 | 6 11 | 5 7 | 23 17 | 1 28 | 16 31 | 2 12 | 12 5 | 1 15 | 8 12 | 1 19 | 4 52 | 2 24 | 16 22 | 0 42 | 21 40 | 1 16 | 5 16 | 16 18 | 22 53 | 22 50 | 22 17 | 5 57 | 2 14 |
| S 21 | 23 29 | 11 17 | 4 37 | 22 55 | 1 20 | 16 51 | 2 10 | 12 12 | 1 15 | 8 12 | 1 19 | 4 51 | 2 24 | 16 22 | 0 42 | 21 40 | 1 16 | 5 16 | 16 18 | 22 53 | 22 50 | 22 18 | 5 56 | 2 14 |
| S 22 | 23 27 | 15 55 | 3 50 | 22 33 | 1 10 | 17 10 | 2 8 | 12 20 | 1 16 | 8 13 | 1 19 | 4 49 | 2 24 | 16 21 | 0 42 | 21 40 | 1 16 | 5 17 | 16 19 | 22 53 | 22 51 | 22 19 | 5 56 | 2 13 |
| M23 | 23 24 | 19 38 | 2 45 | 22 9 | 1 0 | 17 28 | 2 6 | 12 27 | 1 17 | 8 13 | 1 19 | 4 48 | 2 23 | 16 20 | 0 42 | 21 41 | 1 16 | 5 17 | 16 19 | 22 54 | 22 51 | 22 20 | 5 56 | 2 13 |
| T 24 | 23 21 | 22 4 | 1 28 | 21 45 | 0 48 | 17 47 | 2 5 | 12 35 | 1 18 | 8 13 | 1 20 | 4 46 | 2 23 | 16 19 | 0 42 | 21 41 | 1 16 | 5 17 | 16 20 | 22 54 | 22 51 | 22 21 | 5 56 | 2 13 |
| W25 | 23 17 | 22 54 | 0 5 | 21 21 | 0 36 | 18 4 | 2 3 | 12 43 | 1 19 | 8 13 | 1 20 | 4 44 | 2 23 | 16 18 | 0 42 | 21 41 | 1 16 | 5 17 | 16 20 | 22 54 | 22 52 | 22 21 | 5 56 | 2 13 |
| T 26 | 23 13 | 22 2 | 1s19 | 20 56 | 0 22 | 18 22 | 2 0 | 12 51 | 1 20 | 8 14 | 1 20 | 4 43 | 2 23 | 16 17 | 0 42 | 21 41 | 1 16 | 5 17 | 16 21 | 22 54 | 22 52 | 22 22 | 5 56 | 2 13 |
| F 27 | 23 8 | 19 37 | 2 35 | 20 32 | 0 7 | 18 39 | 1 58 | 12 59 | 1 20 | 8 14 | 1 21 | 4 41 | 2 22 | 16 16 | 0 42 | 21 41 | 1 16 | 5 17 | 16 21 | 22 54 | 22 52 | 22 23 | 5 57 | 2 12 |
| S 28 | 23 3 | 16 0 | 3 40 | 20 9 | 0n 8 | 18 55 | 1 56 | 13 7 | 1 21 | 8 15 | 1 21 | 4 39 | 2 22 | 16 15 | 0 42 | 21 42 | 1 16 | 5 17 | 16 22 | 22 54 | 22 53 | 22 24 | 5 57 | 2 12 |
| S 29 | 22 57 | 11 34 | 4 29 | 19 47 | 0 25 | 19 11 | 1 54 | 13 15 | 1 22 | 8 16 | 1 21 | 4 37 | 2 22 | 16 14 | 0 42 | 21 42 | 1 16 | 5 17 | 16 22 | 22 54 | 22 53 | 22 25 | 5 57 | 2 12 |
| M30 | 22 51 | 6 42 | 5 2 | 19 25 | 0 42 | 19 27 | 1 52 | 13 24 | 1 22 | 8 17 | 1 21 | 4 36 | 2 22 | 16 13 | 0 42 | 21 42 | 1 16 | 5 17 | 16 23 | 22 54 | 22 53 | 22 26 | 5 57 | 2 12 |
| T 31 | 22s45 | 1s41 | 5s17 | 19s 6 | 1n 0 | 19s42 | 1n49 | 13n32 | 1n23 | 8n17 | 1n22 | 4s34 | 2s22 | 16s12 | 0s42 | 21s42 | 1n16 | 5n18 | 16n23 | 22n54 | 22n54 | 22n26 | 5n57 | 2n12 |

Julian Day Number = 2084815.5, Delta T = 24m43s
Ecliptic obliquity = 23°34'07, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'45, Lahiri = 9°51'45 Julian Calendar 1 Dec. 995 == Greg. Calendar 6 Dec. 995


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## JANUARY 996 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 7 0 23 | 15♑45'55 | 20♈45 | 0°R47 | 7♐34 | 2♉23 | 12°R 9 | 24♓ 4 | 17♒58 | 17♐22 | 25♎43 | 13°D22 | 13♋19 | 0♋52 | 9♈54 | W 1 |
| T 2 | 7 4 20 | 16°47'00 | 3♉12 | 0♒32 | 8°46 | 2°46 | 12♍ 7 | 24° 8 | 18° 1 | 17°24 | 25°44 | 13♋22 | 13°16 | 0°59 | 9°54 | T 2 |
| F 3 | 7 8 16 | 17°48'03 | 15°23 | 0° 6 | 9°59 | 3° 9 | 12° 5 | 24°12 | 18° 4 | 17°26 | 25°45 | 13°23 | 13°12 | 1° 5 | 9°55 | F 3 |
| S 4 | 7 12 13 | 18°49'05 | 27°23 | 29♑29 | 11°12 | 3°33 | 12° 3 | 24°17 | 18° 7 | 17°28 | 25°45 | 13°23 | 13° 9 | 1°12 | 9°56 | S 4 |
| S 5 | 7 16 9 | 19°50'07 | 9♊16 | 28°42 | 12°25 | 3°57 | 12° 0 | 24°21 | 18°10 | 17°30 | 25°46 | 13°24 | 13° 6 | 1°19 | 9°58 | S 5 |
| M 6 | 7 20 6 | 20°51'07 | 21° 4 | 27°45 | 13°38 | 4°21 | 11°58 | 24°26 | 18°13 | 17°32 | 25°47 | 13°25 | 13° 3 | 1°25 | 9°59 | M 6 |
| T 7 | 7 24 2 | 21°52'06 | 2♋51 | 26°41 | 14°51 | 4°46 | 11°55 | 24°31 | 18°17 | 17°34 | 25°47 | 13°25 | 13° 0 | 1°32 | 10° 0 | T 7 |
| W 8 | 7 27 59 | 22°53'04 | 14°40 | 25°31 | 16° 4 | 5°10 | 11°52 | 24°35 | 18°20 | 17°36 | 25°48 | 13°R25 | 12°57 | 1°39 | 10° 1 | W 8 |
| T 9 | 7 31 55 | 23°54'01 | 26°33 | 24°17 | 17°17 | 5°35 | 11°49 | 24°40 | 18°23 | 17°38 | 25°48 | 13°25 | 12°53 | 1°45 | 10° 2 | T 9 |
| F 10 | 7 35 52 | 24°54'57 | 8♌33 | 23° 2 | 18°30 | 6° 1 | 11°45 | 24°45 | 18°26 | 17°40 | 25°49 | 13°24 | 12°50 | 1°52 | 10° 4 | F 10 |
| S 11 | 7 39 49 | 25°55'52 | 20°40 | 21°48 | 19°43 | 6°26 | 11°42 | 24°50 | 18°30 | 17°42 | 25°49 | 13°23 | 12°47 | 1°59 | 10° 5 | S 11 |
| S 12 | 7 43 45 | 26°56'46 | 2♍56 | 20°36 | 20°56 | 6°52 | 11°38 | 24°55 | 18°33 | 17°44 | 25°50 | 13°21 | 12°44 | 2° 5 | 10° 7 | S 12 |
| M13 | 7 47 42 | 27°57'39 | 15°24 | 19°30 | 22° 9 | 7°18 | 11°34 | 25° 1 | 18°36 | 17°46 | 25°50 | 13°18 | 12°41 | 2°12 | 10° 8 | M13 |
| T 14 | 7 51 38 | 28°58'31 | 28° 6 | 18°29 | 23°22 | 7°45 | 11°30 | 25° 6 | 18°39 | 17°48 | 25°50 | 13°16 | 12°37 | 2°19 | 10°10 | T 14 |
| W15 | 7 55 35 | 29°59'22 | 11♎ 4 | 17°35 | 24°35 | 8°11 | 11°26 | 25°11 | 18°43 | 17°49 | 25°51 | 13°15 | 12°34 | 2°25 | 10°11 | W15 |
| T 16 | 7 59 31 | 1♒ 0'13 | 24°19 | 16°49 | 25°49 | 8°38 | 11°22 | 25°17 | 18°46 | 17°51 | 25°51 | 13°14 | 12°31 | 2°32 | 10°13 | T 16 |
| F 17 | 8 3 28 | 2° 1'02 | 7♏54 | 16°11 | 27° 2 | 9° 5 | 11°17 | 25°22 | 18°49 | 17°53 | 25°51 | 13°D14 | 12°28 | 2°38 | 10°15 | F 17 |
| S 18 | 8 7 24 | 3° 1'50 | 21°50 | 15°42 | 28°15 | 9°32 | 11°12 | 25°28 | 18°53 | 17°55 | 25°52 | 13°15 | 12°25 | 2°45 | 10°16 | S 18 |
| S 19 | 8 11 21 | 4° 2'37 | 6♐ 7 | 15°21 | 29°28 | 10° 0 | 11° 7 | 25°33 | 18°56 | 17°57 | 25°52 | 13°16 | 12°22 | 2°52 | 10°18 | S 19 |
| M20 | 8 15 18 | 5° 3'24 | 20°43 | 15° 8 | 0♑42 | 10°27 | 11° 2 | 25°39 | 18°59 | 17°58 | 25°52 | 13°17 | 12°18 | 2°58 | 10°20 | M20 |
| T 21 | 8 19 14 | 6° 4'09 | 5♑33 | 15°D 3 | 1°55 | 10°55 | 10°57 | 25°45 | 19° 3 | 18° 0 | 25°52 | 13°18 | 12°15 | 3° 5 | 10°22 | T 21 |
| W22 | 8 23 11 | 7° 4'53 | 20°32 | 15° 5 | 3° 9 | 11°23 | 10°52 | 25°51 | 19° 6 | 18° 2 | 25°52 | 13°R18 | 12°12 | 3°12 | 10°24 | W22 |
| T 23 | 8 27 7 | 8° 5'35 | 5♒32 | 15°14 | 4°22 | 11°51 | 10°46 | 25°56 | 19°10 | 18° 3 | 25°R52 | 13°17 | 12° 9 | 3°18 | 10°26 | T 23 |
| F 24 | 8 31 4 | 9° 6'16 | 20°23 | 15°30 | 5°35 | 12°20 | 10°41 | 26° 2 | 19°13 | 18° 5 | 25°52 | 13°14 | 12° 6 | 3°25 | 10°28 | F 24 |
| S 25 | 8 35 0 | 10° 6'56 | 4♓59 | 15°51 | 6°49 | 12°49 | 10°35 | 26° 8 | 19°17 | 18° 6 | 25°52 | 13°11 | 12° 3 | 3°32 | 10°30 | S 25 |
| S 26 | 8 38 57 | 11° 7'33 | 19°12 | 16°18 | 8° 2 | 13°17 | 10°29 | 26°15 | 19°20 | 18° 8 | 25°52 | 13° 6 | 11°59 | 3°38 | 10°32 | S 26 |
| M27 | 8 42 54 | 12° 8'09 | 2♈59 | 16°51 | 9°16 | 13°46 | 10°23 | 26°21 | 19°23 | 18° 9 | 25°52 | 13° 2 | 11°56 | 3°45 | 10°34 | M27 |
| T 28 | 8 46 50 | 13° 8'44 | 16°19 | 17°28 | 10°29 | 14°16 | 10°17 | 26°27 | 19°27 | 18°11 | 25°52 | 12°58 | 11°53 | 3°52 | 10°37 | T 28 |
| W29 | 8 50 47 | 14° 9'16 | 29°13 | 18° 9 | 11°43 | 14°45 | 10°11 | 26°33 | 19°30 | 18°12 | 25°51 | 12°56 | 11°50 | 3°58 | 10°39 | W29 |
| T 30 | 8 54 43 | 15° 9'46 | 11♉44 | 18°54 | 12°56 | 15°15 | 10° 4 | 26°39 | 19°34 | 18°14 | 25°51 | 12°D55 | 11°47 | 4° 5 | 10°41 | T 30 |
| F 31 | 8 58 40 | 16♒10'15 | 23♉56 | 19♑43 | 14♑10 | 15♉44 | 9♍58 | 26♓46 | 19♒37 | 18♐15 | 25♎51 | 12♋55 | 11♋43 | 4♋12 | 10♈44 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s38 | 3n16 | 5s16 | 18s49 | 1n19 | 19s56 | 1n47 | 13n40 | 1n24 | 8n18 | 1n22 | 4s32 | 2s21 | 16s12 | 0s42 | 21s42 | 1n16 | 5n18 | 16n24 | 22n54 | 22n54 | 22n27 | 5n57 | 2n12 |
| T 2 | 22 31 | 7 57 | 4 59 | 18 34 | 1 37 | 20 10 | 1 44 | 13 49 | 1 24 | 8 19 | 1 22 | 4 30 | 2 21 | 16 11 | 0 42 | 21 43 | 1 16 | 5 18 | 16 24 | 22 54 | 22 54 | 22 28 | 5 57 | 2 11 |
| F 3 | 22 23 | 12 14 | 4 30 | 18 21 | 1 56 | 20 23 | 1 42 | 13 58 | 1 25 | 8 20 | 1 23 | 4 28 | 2 21 | 16 10 | 0 42 | 21 43 | 1 16 | 5 18 | 16 25 | 22 54 | 22 55 | 22 29 | 5 58 | 2 11 |
| S 4 | 22 14 | 15 58 | 3 49 | 18 12 | 2 13 | 20 36 | 1 39 | 14 6 | 1 25 | 8 21 | 1 23 | 4 26 | 2 21 | 16 9 | 0 42 | 21 43 | 1 16 | 5 19 | 16 25 | 22 53 | 22 55 | 22 30 | 5 58 | 2 11 |
| S 5 | 22 6 | 19 1 | 2 59 | 18 5 | 2 31 | 20 49 | 1 36 | 14 15 | 1 26 | 8 23 | 1 23 | 4 24 | 2 21 | 16 8 | 0 42 | 21 43 | 1 16 | 5 19 | 16 26 | 22 53 | 22 55 | 22 30 | 5 58 | 2 11 |
| M 6 | 21 56 | 21 15 | 2 1 | 18 0 | 2 46 | 21 0 | 1 34 | 14 24 | 1 26 | 8 24 | 1 23 | 4 22 | 2 20 | 16 7 | 0 42 | 21 43 | 1 16 | 5 19 | 16 27 | 22 53 | 22 55 | 22 31 | 5 58 | 2 11 |
| T 7 | 21 47 | 22 34 | 0 58 | 17 59 | 3 1 | 21 12 | 1 31 | 14 33 | 1 27 | 8 25 | 1 24 | 4 20 | 2 20 | 16 6 | 0 42 | 21 43 | 1 16 | 5 19 | 16 27 | 22 53 | 22 56 | 22 32 | 5 59 | 2 10 |
| W 8 | 21 37 | 22 52 | 0n 7 | 18 0 | 3 13 | 21 22 | 1 28 | 14 41 | 1 27 | 8 27 | 1 24 | 4 18 | 2 20 | 16 5 | 0 42 | 21 44 | 1 16 | 5 20 | 16 28 | 22 53 | 22 56 | 22 33 | 5 59 | 2 10 |
| T 9 | 21 27 | 22 8 | 1 12 | 18 3 | 3 23 | 21 32 | 1 25 | 14 50 | 1 28 | 8 28 | 1 24 | 4 16 | 2 20 | 16 4 | 0 42 | 21 44 | 1 16 | 5 20 | 16 28 | 22 53 | 22 56 | 22 34 | 5 59 | 2 10 |
| F 10 | 21 16 | 20 24 | 2 15 | 18 8 | 3 31 | 21 42 | 1 23 | 14 59 | 1 28 | 8 30 | 1 25 | 4 14 | 2 20 | 16 3 | 0 42 | 21 44 | 1 16 | 5 20 | 16 29 | 22 53 | 22 57 | 22 34 | 6 0 | 2 10 |
| S 11 | 21 5 | 17 43 | 3 12 | 18 15 | 3 36 | 21 51 | 1 20 | 15 8 | 1 29 | 8 31 | 1 25 | 4 12 | 2 19 | 16 2 | 0 42 | 21 44 | 1 16 | 5 21 | 16 29 | 22 54 | 22 57 | 22 35 | 6 0 | 2 10 |
| S 12 | 20 53 | 14 14 | 4 1 | 18 23 | 3 38 | 21 59 | 1 17 | 15 17 | 1 29 | 8 33 | 1 25 | 4 9 | 2 19 | 16 1 | 0 42 | 21 44 | 1 16 | 5 21 | 16 30 | 22 54 | 22 57 | 22 36 | 6 1 | 2 10 |
| M13 | 20 41 | 10 5 | 4 40 | 18 32 | 3 39 | 22 6 | 1 14 | 15 26 | 1 30 | 8 35 | 1 25 | 4 7 | 2 19 | 16 0 | 0 42 | 21 44 | 1 16 | 5 21 | 16 30 | 22 54 | 22 58 | 22 37 | 6 1 | 2 9 |
| T 14 | 20 28 | 5 25 | 5 5 | 18 42 | 3 37 | 22 13 | 1 11 | 15 35 | 1 30 | 8 36 | 1 26 | 4 5 | 2 19 | 15 58 | 0 42 | 21 45 | 1 16 | 5 22 | 16 31 | 22 54 | 22 58 | 22 37 | 6 1 | 2 9 |
| W15 | 20 16 | 0 27 | 5 16 | 18 53 | 3 33 | 22 20 | 1 8 | 15 44 | 1 30 | 8 38 | 1 26 | 4 3 | 2 19 | 15 57 | 0 42 | 21 45 | 1 16 | 5 22 | 16 31 | 22 54 | 22 58 | 22 38 | 6 2 | 2 9 |
| T 16 | 20 3 | 4s40 | 5 10 | 19 4 | 3 27 | 22 25 | 1 5 | 15 53 | 1 31 | 8 40 | 1 26 | 4 0 | 2 19 | 15 56 | 0 42 | 21 45 | 1 16 | 5 22 | 16 32 | 22 54 | 22 59 | 22 39 | 6 2 | 2 9 |
| F 17 | 19 49 | 9 41 | 4 48 | 19 16 | 3 20 | 22 30 | 1 2 | 16 2 | 1 31 | 8 42 | 1 26 | 3 58 | 2 18 | 15 55 | 0 42 | 21 45 | 1 16 | 5 23 | 16 32 | 22 54 | 22 59 | 22 40 | 6 3 | 2 9 |
| S 18 | 19 35 | 14 20 | 4 7 | 19 28 | 3 12 | 22 35 | 0 59 | 16 11 | 1 31 | 8 44 | 1 27 | 3 55 | 2 18 | 15 54 | 0 42 | 21 45 | 1 16 | 5 23 | 16 33 | 22 54 | 22 59 | 22 40 | 6 3 | 2 9 |
| S 19 | 19 21 | 18 18 | 3 11 | 19 39 | 3 3 | 22 38 | 0 56 | 16 20 | 1 32 | 8 46 | 1 27 | 3 53 | 2 18 | 15 53 | 0 42 | 21 45 | 1 16 | 5 24 | 16 33 | 22 54 | 22 59 | 22 41 | 6 4 | 2 8 |
| M20 | 19 6 | 21 13 | 2 2 | 19 51 | 2 53 | 22 41 | 0 53 | 16 30 | 1 32 | 8 48 | 1 27 | 3 51 | 2 18 | 15 52 | 0 42 | 21 45 | 1 16 | 5 24 | 16 34 | 22 54 | 23 0 | 22 42 | 6 5 | 2 8 |
| T 21 | 18 51 | 22 44 | 0 43 | 20 2 | 2 42 | 22 44 | 0 50 | 16 39 | 1 32 | 8 51 | 1 27 | 3 48 | 2 18 | 15 51 | 0 42 | 21 46 | 1 16 | 5 25 | 16 35 | 22 54 | 23 0 | 22 43 | 6 5 | 2 8 |
| W22 | 18 36 | 22 39 | 0s40 | 20 13 | 2 31 | 22 45 | 0 47 | 16 48 | 1 33 | 8 53 | 1 28 | 3 46 | 2 18 | 15 50 | 0 42 | 21 46 | 1 16 | 5 25 | 16 35 | 22 54 | 23 0 | 22 43 | 6 6 | 2 8 |
| T 23 | 18 21 | 20 55 | 1 59 | 20 23 | 2 19 | 22 46 | 0 43 | 16 57 | 1 33 | 8 55 | 1 28 | 3 43 | 2 17 | 15 49 | 0 42 | 21 46 | 1 16 | 5 26 | 16 36 | 22 54 | 23 1 | 22 44 | 6 6 | 2 8 |
| F 24 | 18 5 | 17 46 | 3 10 | 20 33 | 2 7 | 22 47 | 0 40 | 17 6 | 1 33 | 8 57 | 1 28 | 3 41 | 2 17 | 15 48 | 0 42 | 21 46 | 1 16 | 5 26 | 16 36 | 22 54 | 23 1 | 22 45 | 6 7 | 2 8 |
| S 25 | 17 48 | 13 34 | 4 7 | 20 43 | 1 56 | 22 46 | 0 37 | 17 15 | 1 33 | 9 0 | 1 28 | 3 38 | 2 17 | 15 47 | 0 42 | 21 46 | 1 16 | 5 27 | 16 37 | 22 55 | 23 1 | 22 45 | 6 8 | 2 7 |
| S 26 | 17 32 | 8 41 | 4 47 | 20 51 | 1 44 | 22 45 | 0 34 | 17 24 | 1 34 | 9 2 | 1 28 | 3 36 | 2 17 | 15 46 | 0 42 | 21 46 | 1 16 | 5 27 | 16 37 | 22 55 | 23 1 | 22 46 | 6 8 | 2 7 |
| M27 | 17 15 | 3 32 | 5 9 | 20 59 | 1 32 | 22 44 | 0 31 | 17 33 | 1 34 | 9 5 | 1 29 | 3 33 | 2 17 | 15 45 | 0 42 | 21 46 | 1 16 | 5 28 | 16 38 | 22 56 | 23 2 | 22 47 | 6 9 | 2 7 |
| T 28 | 16 58 | 1n38 | 5 13 | 21 6 | 1 20 | 22 41 | 0 28 | 17 42 | 1 34 | 9 7 | 1 29 | 3 30 | 2 17 | 15 44 | 0 42 | 21 46 | 1 16 | 5 28 | 16 38 | 22 56 | 23 2 | 22 48 | 6 10 | 2 7 |
| W29 | 16 40 | 6 33 | 5 1 | 21 12 | 1 9 | 22 38 | 0 25 | 17 51 | 1 34 | 9 10 | 1 29 | 3 28 | 2 17 | 15 42 | 0 42 | 21 46 | 1 16 | 5 29 | 16 39 | 22 56 | 23 2 | 22 48 | 6 11 | 2 7 |
| T 30 | 16 23 | 11 4 | 4 35 | 21 17 | 0 57 | 22 35 | 0 22 | 18 0 | 1 34 | 9 12 | 1 29 | 3 25 | 2 16 | 15 41 | 0 42 | 21 47 | 1 16 | 5 29 | 16 39 | 22 56 | 23 3 | 22 49 | 6 11 | 2 7 |
| F 31 | 16s 5 | 15n 2 | 3s57 | 21s21 | 0n46 | 22s30 | 0n19 | 18n 9 | 1n35 | 9n15 | 1n29 | 3s23 | 2s16 | 15s40 | 0s42 | 21s47 | 1n16 | 5n30 | 16n40 | 22n56 | 23n 3 | 22n50 | 6n12 | 2n 6 |

Julian Day Number = 2084846.5, Delta T = 24m43s
Ecliptic obliquity = 23°34'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'49, Lahiri = 9°51'49 Julian Calendar 1 Jan. 996 == Greg. Calendar 6 Jan. 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## FEBRUARY 996 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 9 2 36 | 17♒10'41 | 5♊55 | 20♉35 | 15♉23 | 16♉14 | 9°R51 | 26♓52 | 19♒41 | 18♐17 | 25°R51 | 12♋56 | 11♋40 | 4♋18 | 10♈46 | S 1 |
| S 2 | 9 6 33 | 18°11'06 | 17°45 | 21°31 | 16°37 | 16°44 | 9♍44 | 26°59 | 19°44 | 18°18 | 25♎50 | 12°58 | 11°37 | 4°25 | 10°48 | S 2 |
| M 3 | 9 10 29 | 19°11'29 | 29°32 | 22°29 | 17°51 | 17°14 | 9°38 | 27° 5 | 19°48 | 18°19 | 25°50 | 13° 0 | 11°34 | 4°31 | 10°51 | M 3 |
| T 4 | 9 14 26 | 20°11'50 | 11♋19 | 23°30 | 19° 4 | 17°45 | 9°31 | 27°12 | 19°51 | 18°21 | 25°50 | 13°R 1 | 11°31 | 4°38 | 10°53 | T 4 |
| W 5 | 9 18 23 | 21°12'09 | 23°12 | 24°34 | 20°18 | 18°15 | 9°24 | 27°18 | 19°55 | 18°22 | 25°49 | 13° 0 | 11°28 | 4°45 | 10°56 | W 5 |
| T 6 | 9 22 19 | 22°12'26 | 5♌12 | 25°39 | 21°31 | 18°46 | 9°16 | 27°25 | 19°58 | 18°23 | 25°49 | 12°58 | 11°24 | 4°51 | 10°59 | T 6 |
| F 7 | 9 26 16 | 23°12'41 | 17°22 | 26°47 | 22°45 | 19°16 | 9° 9 | 27°32 | 20° 1 | 18°24 | 25°48 | 12°53 | 11°21 | 4°58 | 11° 1 | F 7 |
| S 8 | 9 30 12 | 24°12'54 | 29°43 | 27°58 | 23°59 | 19°47 | 9° 2 | 27°38 | 20° 5 | 18°26 | 25°48 | 12°47 | 11°18 | 5° 5 | 11° 4 | S 8 |
| S 9 | 9 34 9 | 25°13'06 | 12♍17 | 29°10 | 25°12 | 20°18 | 8°55 | 27°45 | 20° 8 | 18°27 | 25°47 | 12°40 | 11°15 | 5°11 | 11° 6 | S 9 |
| M10 | 9 38 5 | 26°13'15 | 25° 4 | 0♒24 | 26°26 | 20°49 | 8°47 | 27°52 | 20°12 | 18°28 | 25°47 | 12°32 | 11°12 | 5°18 | 11° 9 | M10 |
| T 11 | 9 42 2 | 27°13'23 | 8♎ 4 | 1°39 | 27°40 | 21°20 | 8°40 | 27°59 | 20°15 | 18°29 | 25°46 | 12°24 | 11° 8 | 5°25 | 11°12 | T 11 |
| W12 | 9 45 58 | 28°13'29 | 21°16 | 2°57 | 28°53 | 21°52 | 8°32 | 28° 6 | 20°19 | 18°30 | 25°45 | 12°17 | 11° 5 | 5°31 | 11°15 | W12 |
| T 13 | 9 49 55 | 29°13'34 | 4♏41 | 4°16 | 0♒ 7 | 22°23 | 8°25 | 28°13 | 20°22 | 18°31 | 25°45 | 12°13 | 11° 2 | 5°38 | 11°18 | T 13 |
| F 14 | 9 53 51 | 0♓13'37 | 18°19 | 5°36 | 1°21 | 22°55 | 8°17 | 28°20 | 20°26 | 18°32 | 25°44 | 12°10 | 10°59 | 5°45 | 11°20 | F 14 |
| S 15 | 9 57 48 | 1°13'38 | 2♐ 9 | 6°58 | 2°34 | 23°26 | 8° 9 | 28°27 | 20°29 | 18°33 | 25°43 | 12°D 9 | 10°56 | 5°51 | 11°23 | S 15 |
| S 16 | 10 1 45 | 2°13'38 | 16°12 | 8°21 | 3°48 | 23°58 | 8° 2 | 28°34 | 20°32 | 18°34 | 25°42 | 12°10 | 10°53 | 5°58 | 11°26 | S 16 |
| M17 | 10 5 41 | 3°13'36 | 0♑28 | 9°46 | 5° 2 | 24°30 | 7°54 | 28°41 | 20°36 | 18°35 | 25°41 | 12°11 | 10°49 | 6° 5 | 11°29 | M17 |
| T 18 | 10 9 38 | 4°13'33 | 14°54 | 11°12 | 6°16 | 25° 2 | 7°46 | 28°48 | 20°39 | 18°36 | 25°41 | 12°R11 | 10°46 | 6°11 | 11°32 | T 18 |
| W19 | 10 13 34 | 5°13'27 | 29°28 | 12°40 | 7°29 | 25°34 | 7°38 | 28°55 | 20°43 | 18°37 | 25°40 | 12°10 | 10°43 | 6°18 | 11°35 | W19 |
| T 20 | 10 17 31 | 6°13'20 | 14♒ 4 | 14° 9 | 8°43 | 26° 6 | 7°30 | 29° 3 | 20°46 | 18°38 | 25°39 | 12° 7 | 10°40 | 6°24 | 11°38 | T 20 |
| F 21 | 10 21 27 | 7°13'11 | 28°37 | 15°39 | 9°57 | 26°38 | 7°23 | 29°10 | 20°49 | 18°38 | 25°38 | 12° 0 | 10°37 | 6°31 | 11°41 | F 21 |
| S 22 | 10 25 24 | 8°13'00 | 13♓ 0 | 17°10 | 11°11 | 27°11 | 7°15 | 29°17 | 20°53 | 18°39 | 25°37 | 11°52 | 10°34 | 6°38 | 11°45 | S 22 |
| S 23 | 10 29 20 | 9°12'47 | 27° 6 | 18°43 | 12°24 | 27°43 | 7° 7 | 29°24 | 20°56 | 18°40 | 25°36 | 11°43 | 10°30 | 6°44 | 11°48 | S 23 |
| M24 | 10 33 17 | 10°12'32 | 10♈51 | 20°16 | 13°38 | 28°16 | 6°59 | 29°32 | 20°59 | 18°41 | 25°35 | 11°33 | 10°27 | 6°51 | 11°51 | M24 |
| T 25 | 10 37 14 | 11°12'14 | 24°12 | 21°51 | 14°52 | 28°48 | 6°51 | 29°39 | 21° 3 | 18°41 | 25°34 | 11°24 | 10°24 | 6°58 | 11°54 | T 25 |
| W26 | 10 41 10 | 12°11'54 | 7♉ 9 | 23°28 | 16° 5 | 29°21 | 6°44 | 29°46 | 21° 6 | 18°42 | 25°33 | 11°16 | 10°21 | 7° 4 | 11°57 | W26 |
| T 27 | 10 45 7 | 13°11'32 | 19°43 | 25° 5 | 17°19 | 29°54 | 6°36 | 29°54 | 21° 9 | 18°43 | 25°32 | 11°11 | 10°18 | 7°11 | 12° 0 | T 27 |
| F 28 | 10 49 3 | 14°11'08 | 1♊58 | 26°44 | 18°33 | 0♊27 | 6°28 | 0♈ 1 | 21°12 | 18°43 | 25°31 | 11° 8 | 10°14 | 7°18 | 12° 4 | F 28 |
| S 29 | 10 53 0 | 15♓10'41 | 13♊58 | 28♒24 | 19♒47 | 1♊ 0 | 6♍21 | 0♈ 9 | 21♒16 | 18♐44 | 25♎29 | 11°D 8 | 10♋11 | 7♋24 | 12♈ 7 | S 29 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 15s46 | 18n18 | 3s 9 | 21s24 | 0n35 | 22s25 | 0n16 | 18n18 | 1n35 | 9n18 | 1n30 | 3s20 | 2s16 | 15s39 | 0s42 | 21s47 | 1n16 | 5n30 | 16n40 | 22n56 | 23n 3 | 22n50 | 6n13 | 2n 6 |
| S 2 | 15 28 | 20 47 | 2 14 | 21 26 | 0 25 | 22 19 | 0 12 | 18 27 | 1 35 | 9 21 | 1 30 | 3 17 | 2 16 | 15 38 | 0 42 | 21 47 | 1 16 | 5 31 | 16 41 | 22 56 | 23 3 | 22 51 | 6 14 | 2 6 |
| M 3 | 15 9 | 22 21 | 1 13 | 21 27 | 0 14 | 22 13 | 0 9 | 18 35 | 1 35 | 9 23 | 1 30 | 3 14 | 2 16 | 15 37 | 0 42 | 21 47 | 1 17 | 5 32 | 16 41 | 22 56 | 23 4 | 22 52 | 6 15 | 2 6 |
| T 4 | 14 50 | 22 56 | 0 9 | 21 26 | 0 4 | 22 6 | 0 6 | 18 44 | 1 35 | 9 26 | 1 30 | 3 12 | 2 16 | 15 36 | 0 42 | 21 47 | 1 17 | 5 32 | 16 42 | 22 56 | 23 4 | 22 52 | 6 16 | 2 6 |
| W 5 | 14 31 | 22 28 | 0n55 | 21 25 | 0s 5 | 21 58 | 0 3 | 18 53 | 1 35 | 9 29 | 1 30 | 3 9 | 2 16 | 15 35 | 0 42 | 21 47 | 1 17 | 5 33 | 16 42 | 22 56 | 23 4 | 22 53 | 6 16 | 2 6 |
| T 6 | 14 11 | 20 59 | 1 58 | 21 22 | 0 15 | 21 50 | 0 0 | 19 2 | 1 36 | 9 32 | 1 30 | 3 6 | 2 16 | 15 34 | 0 42 | 21 47 | 1 17 | 5 33 | 16 43 | 22 56 | 23 5 | 22 53 | 6 17 | 2 6 |
| F 7 | 13 51 | 18 30 | 2 56 | 21 18 | 0 24 | 21 41 | 0s 3 | 19 10 | 1 36 | 9 35 | 1 31 | 3 3 | 2 15 | 15 33 | 0 42 | 21 47 | 1 17 | 5 34 | 16 43 | 22 56 | 23 5 | 22 54 | 6 18 | 2 5 |
| S 8 | 13 31 | 15 10 | 3 46 | 21 13 | 0 33 | 21 31 | 0 6 | 19 19 | 1 36 | 9 38 | 1 31 | 3 1 | 2 15 | 15 31 | 0 42 | 21 47 | 1 17 | 5 35 | 16 44 | 22 57 | 23 5 | 22 55 | 6 19 | 2 5 |
| S 9 | 13 11 | 11 5 | 4 27 | 21 7 | 0 41 | 21 21 | 0 8 | 19 27 | 1 36 | 9 40 | 1 31 | 2 58 | 2 15 | 15 30 | 0 42 | 21 47 | 1 17 | 5 35 | 16 44 | 22 58 | 23 5 | 22 55 | 6 20 | 2 5 |
| M10 | 12 51 | 6 28 | 4 55 | 20 59 | 0 49 | 21 10 | 0 11 | 19 36 | 1 36 | 9 43 | 1 31 | 2 55 | 2 15 | 15 29 | 0 42 | 21 47 | 1 17 | 5 36 | 16 45 | 22 59 | 23 6 | 22 56 | 6 21 | 2 5 |
| T 11 | 12 30 | 1 30 | 5 8 | 20 50 | 0 57 | 20 58 | 0 14 | 19 44 | 1 36 | 9 46 | 1 31 | 2 52 | 2 15 | 15 28 | 0 42 | 21 48 | 1 17 | 5 37 | 16 45 | 22 59 | 23 6 | 22 57 | 6 22 | 2 5 |
| W12 | 12 9 | 3s38 | 5 5 | 20 39 | 1 5 | 20 46 | 0 17 | 19 53 | 1 36 | 9 49 | 1 31 | 2 49 | 2 15 | 15 27 | 0 42 | 21 48 | 1 17 | 5 37 | 16 46 | 23 0 | 23 6 | 22 57 | 6 23 | 2 5 |
| T 13 | 11 48 | 8 40 | 4 45 | 20 28 | 1 12 | 20 33 | 0 20 | 20 1 | 1 36 | 9 52 | 1 31 | 2 46 | 2 15 | 15 26 | 0 42 | 21 48 | 1 17 | 5 38 | 16 46 | 23 0 | 23 6 | 22 58 | 6 24 | 2 5 |
| F 14 | 11 27 | 13 22 | 4 10 | 20 15 | 1 19 | 20 20 | 0 23 | 20 9 | 1 36 | 9 55 | 1 31 | 2 44 | 2 15 | 15 25 | 0 42 | 21 48 | 1 17 | 5 39 | 16 47 | 23 1 | 23 7 | 22 58 | 6 25 | 2 4 |
| S 15 | 11 6 | 17 27 | 3 19 | 20 0 | 1 25 | 20 6 | 0 25 | 20 17 | 1 36 | 9 58 | 1 32 | 2 41 | 2 15 | 15 24 | 0 42 | 21 48 | 1 17 | 5 39 | 16 47 | 23 1 | 23 7 | 22 59 | 6 26 | 2 4 |
| S 16 | 10 44 | 20 36 | 2 15 | 19 44 | 1 31 | 19 52 | 0 28 | 20 25 | 1 36 | 10 1 | 1 32 | 2 38 | 2 15 | 15 23 | 0 42 | 21 48 | 1 17 | 5 40 | 16 47 | 23 1 | 23 7 | 23 0 | 6 27 | 2 4 |
| M17 | 10 23 | 22 31 | 1 3 | 19 27 | 1 37 | 19 36 | 0 31 | 20 33 | 1 36 | 10 4 | 1 32 | 2 35 | 2 14 | 15 22 | 0 42 | 21 48 | 1 17 | 5 41 | 16 48 | 23 0 | 23 7 | 23 0 | 6 28 | 2 4 |
| T 18 | 10 1 | 22 58 | 0s15 | 19 8 | 1 42 | 19 21 | 0 33 | 20 41 | 1 36 | 10 7 | 1 32 | 2 32 | 2 14 | 15 21 | 0 42 | 21 48 | 1 17 | 5 41 | 16 48 | 23 0 | 23 8 | 23 1 | 6 29 | 2 4 |
| W19 | 9 39 | 21 52 | 1 32 | 18 48 | 1 47 | 19 4 | 0 36 | 20 49 | 1 36 | 10 10 | 1 32 | 2 29 | 2 14 | 15 20 | 0 42 | 21 48 | 1 17 | 5 42 | 16 49 | 23 1 | 23 8 | 23 1 | 6 30 | 2 4 |
| T 20 | 9 17 | 19 17 | 2 43 | 18 27 | 1 51 | 18 48 | 0 38 | 20 57 | 1 36 | 10 13 | 1 32 | 2 26 | 2 14 | 15 18 | 0 42 | 21 48 | 1 17 | 5 43 | 16 49 | 23 1 | 23 8 | 23 2 | 6 31 | 2 4 |
| F 21 | 8 54 | 15 29 | 3 43 | 18 4 | 1 56 | 18 30 | 0 41 | 21 4 | 1 37 | 10 16 | 1 32 | 2 23 | 2 14 | 15 17 | 0 42 | 21 48 | 1 17 | 5 44 | 16 50 | 23 1 | 23 9 | 23 2 | 6 32 | 2 3 |
| S 22 | 8 32 | 10 50 | 4 28 | 17 40 | 1 59 | 18 12 | 0 43 | 21 12 | 1 37 | 10 19 | 1 32 | 2 20 | 2 14 | 15 16 | 0 42 | 21 48 | 1 17 | 5 44 | 16 50 | 23 2 | 23 9 | 23 3 | 6 33 | 2 3 |
| S 23 | 8 10 | 5 40 | 4 55 | 17 14 | 2 3 | 17 54 | 0 45 | 21 20 | 1 37 | 10 22 | 1 32 | 2 17 | 2 14 | 15 15 | 0 42 | 21 48 | 1 17 | 5 45 | 16 50 | 23 3 | 23 9 | 23 3 | 6 35 | 2 3 |
| M24 | 7 47 | 0 21 | 5 5 | 16 47 | 2 6 | 17 35 | 0 48 | 21 27 | 1 37 | 10 25 | 1 32 | 2 14 | 2 14 | 15 14 | 0 42 | 21 48 | 1 17 | 5 46 | 16 51 | 23 4 | 23 9 | 23 4 | 6 36 | 2 3 |
| T 25 | 7 24 | 4n49 | 4 58 | 16 19 | 2 8 | 17 16 | 0 50 | 21 34 | 1 37 | 10 28 | 1 32 | 2 11 | 2 14 | 15 13 | 0 42 | 21 48 | 1 17 | 5 46 | 16 51 | 23 5 | 23 10 | 23 5 | 6 37 | 2 3 |
| W26 | 7 1 | 9 38 | 4 35 | 15 49 | 2 10 | 16 56 | 0 52 | 21 41 | 1 37 | 10 31 | 1 32 | 2 8 | 2 14 | 15 12 | 0 42 | 21 48 | 1 17 | 5 47 | 16 52 | 23 5 | 23 10 | 23 5 | 6 38 | 2 3 |
| T 27 | 6 38 | 13 55 | 3 59 | 15 18 | 2 12 | 16 35 | 0 54 | 21 49 | 1 36 | 10 34 | 1 32 | 2 5 | 2 14 | 15 11 | 0 42 | 21 48 | 1 17 | 5 48 | 16 52 | 23 6 | 23 10 | 23 6 | 6 39 | 2 3 |
| F 28 | 6 15 | 17 30 | 3 14 | 14 45 | 2 13 | 16 15 | 0 57 | 21 56 | 1 36 | 10 37 | 1 32 | 2 2 | 2 14 | 15 10 | 0 42 | 21 48 | 1 17 | 5 49 | 16 52 | 23 6 | 23 10 | 23 6 | 6 40 | 2 3 |
| S 29 | 5s52 | 20n17 | 2s20 | 14s11 | 2s14 | 15s53 | 0s59 | 22n 3 | 1n36 | 10n40 | 1n32 | 1s59 | 2s14 | 15s 9 | 0s42 | 21s48 | 1n17 | 5n49 | 16n53 | 23n 6 | 23n11 | 23n 7 | 6n42 | 2n 3 |

Julian Day Number = 2084877.5, Delta T = 24m42s
Ecliptic obliquity = 23°34'08, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'53, Lahiri = 9°51'54 Julian Calendar 1 Feb. 996 == Greg. Calendar 6 Feb. 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## MARCH 996 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 10 56 56 | 16♓10'13 | 25♊49 | 0♓ 6 | 21♒ 0 | 1♊33 | 6°R13 | 0♈16 | 21♒19 | 18♐44 | 25°R28 | 11♋ 8 | 10♋ 8 | 7♋31 | 12♈10 | S 1 |
| M 2 | 11 0 53 | 17° 9'41 | 7♋37 | 1°48 | 22°14 | 2° 6 | 6♍ 5 | 0°24 | 21°22 | 18°45 | 25♎27 | 11°R 8 | 10° 5 | 7°38 | 12°14 | M 2 |
| T 3 | 11 4 49 | 18° 9'08 | 19°26 | 3°32 | 23°28 | 2°39 | 5°58 | 0°31 | 21°25 | 18°45 | 25°26 | 11° 8 | 10° 2 | 7°44 | 12°17 | T 3 |
| W 4 | 11 8 46 | 19° 8'32 | 1♌21 | 5°17 | 24°42 | 3°13 | 5°50 | 0°39 | 21°28 | 18°45 | 25°24 | 11° 6 | 9°59 | 7°51 | 12°20 | W 4 |
| T 5 | 11 12 43 | 20° 7'54 | 13°27 | 7° 4 | 25°55 | 3°46 | 5°43 | 0°46 | 21°32 | 18°46 | 25°23 | 11° 2 | 9°55 | 7°57 | 12°24 | T 5 |
| F 6 | 11 16 39 | 21° 7'13 | 25°48 | 8°52 | 27° 9 | 4°19 | 5°36 | 0°54 | 21°35 | 18°46 | 25°22 | 10°55 | 9°52 | 8° 4 | 12°27 | F 6 |
| S 7 | 11 20 36 | 22° 6'30 | 8♍24 | 10°41 | 28°23 | 4°53 | 5°28 | 1° 1 | 21°38 | 18°46 | 25°21 | 10°45 | 9°49 | 8°11 | 12°31 | S 7 |
| S 8 | 11 24 32 | 23° 5'45 | 21°16 | 12°31 | 29°37 | 5°26 | 5°21 | 1° 9 | 21°41 | 18°47 | 25°19 | 10°33 | 9°46 | 8°17 | 12°34 | S 8 |
| M 9 | 11 28 29 | 24° 4'58 | 4♎25 | 14°23 | 0♓50 | 6° 0 | 5°14 | 1°16 | 21°44 | 18°47 | 25°18 | 10°21 | 9°43 | 8°24 | 12°37 | M 9 |
| T 10 | 11 32 25 | 25° 4'09 | 17°49 | 16°16 | 2° 4 | 6°34 | 5° 7 | 1°24 | 21°47 | 18°47 | 25°17 | 10° 9 | 9°40 | 8°31 | 12°41 | T 10 |
| W11 | 11 36 22 | 26° 3'18 | 1♏24 | 18°11 | 3°18 | 7° 7 | 5° 0 | 1°31 | 21°50 | 18°47 | 25°15 | 9°59 | 9°36 | 8°37 | 12°44 | W11 |
| T 12 | 11 40 18 | 27° 2'25 | 15°10 | 20° 7 | 4°32 | 7°41 | 4°53 | 1°39 | 21°53 | 18°47 | 25°14 | 9°51 | 9°33 | 8°44 | 12°48 | T 12 |
| F 13 | 11 44 15 | 28° 1'30 | 29° 2 | 22° 4 | 5°45 | 8°15 | 4°47 | 1°47 | 21°56 | 18°47 | 25°12 | 9°45 | 9°30 | 8°51 | 12°51 | F 13 |
| S 14 | 11 48 11 | 29° 0'34 | 13♐ 0 | 24° 3 | 6°59 | 8°49 | 4°40 | 1°54 | 21°59 | 18°48 | 25°11 | 9°43 | 9°27 | 8°57 | 12°55 | S 14 |
| S 15 | 11 52 8 | 29°59'35 | 27° 3 | 26° 2 | 8°13 | 9°23 | 4°34 | 2° 2 | 22° 2 | 18°48 | 25° 9 | 9°D42 | 9°24 | 9° 4 | 12°58 | S 15 |
| M16 | 11 56 5 | 0♈58'35 | 11♑ 9 | 28° 3 | 9°26 | 9°57 | 4°27 | 2° 9 | 22° 5 | 18°R48 | 25° 8 | 9°R42 | 9°20 | 9°11 | 13° 2 | M16 |
| T 17 | 12 0 1 | 1°57'33 | 25°19 | 0♈ 5 | 10°40 | 10°31 | 4°21 | 2°17 | 22° 8 | 18°48 | 25° 6 | 9°41 | 9°17 | 9°17 | 13° 5 | T 17 |
| W18 | 12 3 58 | 2°56'30 | 9♒30 | 2° 9 | 11°54 | 11° 5 | 4°15 | 2°25 | 22°10 | 18°47 | 25° 5 | 9°39 | 9°14 | 9°24 | 13° 9 | W18 |
| T 19 | 12 7 54 | 3°55'24 | 23°40 | 4°13 | 13° 8 | 11°39 | 4° 9 | 2°32 | 22°13 | 18°47 | 25° 3 | 9°34 | 9°11 | 9°30 | 13°13 | T 19 |
| F 20 | 12 11 51 | 4°54'17 | 7♓47 | 6°17 | 14°21 | 12°14 | 4° 3 | 2°40 | 22°16 | 18°47 | 25° 2 | 9°26 | 9° 8 | 9°37 | 13°16 | F 20 |
| S 21 | 12 15 47 | 5°53'07 | 21°45 | 8°23 | 15°35 | 12°48 | 3°57 | 2°47 | 22°19 | 18°47 | 25° 0 | 9°16 | 9° 5 | 9°44 | 13°20 | S 21 |
| S 22 | 12 19 44 | 6°51'56 | 5♈31 | 10°29 | 16°49 | 13°22 | 3°52 | 2°55 | 22°21 | 18°47 | 24°59 | 9° 3 | 9° 1 | 9°50 | 13°23 | S 22 |
| M23 | 12 23 40 | 7°50'43 | 19° 1 | 12°35 | 18° 3 | 13°57 | 3°46 | 3° 3 | 22°24 | 18°47 | 24°57 | 8°50 | 8°58 | 9°57 | 13°27 | M23 |
| T 24 | 12 27 37 | 8°49'27 | 2♉12 | 14°41 | 19°16 | 14°31 | 3°41 | 3°10 | 22°27 | 18°46 | 24°55 | 8°38 | 8°55 | 10° 4 | 13°30 | T 24 |
| W25 | 12 31 34 | 9°48'10 | 15° 2 | 16°47 | 20°30 | 15° 6 | 3°36 | 3°18 | 22°29 | 18°46 | 24°54 | 8°28 | 8°52 | 10°10 | 13°34 | W25 |
| T 26 | 12 35 30 | 10°46'50 | 27°34 | 18°52 | 21°44 | 15°40 | 3°31 | 3°25 | 22°32 | 18°46 | 24°52 | 8°21 | 8°49 | 10°17 | 13°38 | T 26 |
| F 27 | 12 39 27 | 11°45'28 | 9♊48 | 20°56 | 22°57 | 16°15 | 3°26 | 3°33 | 22°34 | 18°45 | 24°51 | 8°16 | 8°45 | 10°24 | 13°41 | F 27 |
| S 28 | 12 43 23 | 12°44'04 | 21°48 | 22°59 | 24°11 | 16°50 | 3°21 | 3°40 | 22°37 | 18°45 | 24°49 | 8°13 | 8°42 | 10°30 | 13°45 | S 28 |
| S 29 | 12 47 20 | 13°42'38 | 3♋40 | 25° 0 | 25°25 | 17°24 | 3°16 | 3°48 | 22°39 | 18°45 | 24°47 | 8°13 | 8°39 | 10°37 | 13°49 | S 29 |
| M30 | 12 51 16 | 14°41'10 | 15°28 | 27° 0 | 26°39 | 17°59 | 3°12 | 3°56 | 22°42 | 18°44 | 24°46 | 8°13 | 8°36 | 10°44 | 13°52 | M30 |
| T 31 | 12 55 13 | 15♈39'39 | 27♋18 | 28♈57 | 27♓52 | 18♊34 | 3♍ 8 | 4♈ 3 | 22♒44 | 18♐44 | 24♎44 | 8♋12 | 8♋33 | 10♋50 | 13♈56 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 5s29 | 22n 9 | 1s21 | 13s35 | 2s14 | 15s32 | 1s 1 | 22n 9 | 1n36 | 10n42 | 1n32 | 1s56 | 2s14 | 15s 8 | 0s42 | 21s48 | 1n17 | 5n50 | 16n53 | 23n 6 | 23n11 | 23n 7 | 6n43 | 2n 2 | |
| M 2 | 5 6 | 23 2 | 0 19 | 12 58 | 2 14 | 15 10 | 1 3 | 22 16 | 1 36 | 10 45 | 1 32 | 1 53 | 2 14 | 15 7 | 0 42 | 21 48 | 1 17 | 5 51 | 16 53 | 23 6 | 23 11 | 23 8 | 6 44 | 2 2 | |
| T 3 | 4 43 | 22 53 | 0n44 | 12 20 | 2 13 | 14 47 | 1 4 | 22 23 | 1 36 | 10 48 | 1 32 | 1 50 | 2 14 | 15 6 | 0 42 | 21 48 | 1 17 | 5 52 | 16 54 | 23 6 | 23 11 | 23 8 | 6 45 | 2 2 | |
| W 4 | 4 19 | 21 41 | 1 46 | 11 40 | 2 12 | 14 24 | 1 6 | 22 29 | 1 36 | 10 51 | 1 32 | 1 47 | 2 14 | 15 5 | 0 42 | 21 48 | 1 18 | 5 52 | 16 54 | 23 6 | 23 11 | 23 9 | 6 46 | 2 2 | |
| T 5 | 3 56 | 19 28 | 2 43 | 10 59 | 2 11 | 14 1 | 1 8 | 22 36 | 1 36 | 10 54 | 1 32 | 1 44 | 2 14 | 15 4 | 0 42 | 21 48 | 1 18 | 5 53 | 16 54 | 23 7 | 23 12 | 23 9 | 6 48 | 2 2 | |
| F 6 | 3 32 | 16 21 | 3 34 | 10 17 | 2 9 | 13 37 | 1 10 | 22 42 | 1 36 | 10 56 | 1 32 | 1 41 | 2 14 | 15 3 | 0 42 | 21 48 | 1 18 | 5 54 | 16 55 | 23 7 | 23 12 | 23 10 | 6 49 | 2 2 | |
| S 7 | 3 9 | 12 24 | 4 15 | 9 33 | 2 6 | 13 13 | 1 11 | 22 48 | 1 36 | 10 59 | 1 32 | 1 38 | 2 14 | 15 2 | 0 42 | 21 48 | 1 18 | 5 55 | 16 55 | 23 8 | 23 12 | 23 10 | 6 50 | 2 2 | |
| S 8 | 2 45 | 7 50 | 4 45 | 8 47 | 2 3 | 12 48 | 1 13 | 22 54 | 1 36 | 11 1 | 1 32 | 1 35 | 2 14 | 15 1 | 0 42 | 21 48 | 1 18 | 5 55 | 16 55 | 23 9 | 23 12 | 23 11 | 6 51 | 2 2 | |
| M 9 | 2 22 | 2 49 | 5 0 | 8 1 | 1 59 | 12 24 | 1 14 | 23 0 | 1 36 | 11 4 | 1 32 | 1 32 | 2 14 | 15 0 | 0 42 | 21 48 | 1 18 | 5 56 | 16 56 | 23 10 | 23 13 | 23 11 | 6 53 | 2 2 | |
| T 10 | 1 58 | 2s25 | 4 59 | 7 13 | 1 55 | 11 59 | 1 16 | 23 6 | 1 36 | 11 7 | 1 32 | 1 29 | 2 14 | 14 59 | 0 42 | 21 48 | 1 18 | 5 57 | 16 56 | 23 11 | 23 13 | 23 11 | 6 54 | 2 2 | |
| W11 | 1 35 | 7 38 | 4 41 | 6 24 | 1 51 | 11 33 | 1 17 | 23 12 | 1 36 | 11 9 | 1 32 | 1 26 | 2 13 | 14 58 | 0 42 | 21 48 | 1 18 | 5 57 | 16 56 | 23 11 | 23 13 | 23 12 | 6 55 | 2 1 | |
| T 12 | 1 11 | 12 32 | 4 7 | 5 33 | 1 45 | 11 7 | 1 19 | 23 17 | 1 36 | 11 12 | 1 32 | 1 23 | 2 13 | 14 57 | 0 42 | 21 48 | 1 18 | 5 58 | 16 56 | 23 12 | 23 13 | 23 12 | 6 57 | 2 1 | |
| F 13 | 0 47 | 16 50 | 3 18 | 4 41 | 1 40 | 10 41 | 1 20 | 23 23 | 1 36 | 11 14 | 1 32 | 1 20 | 2 13 | 14 56 | 0 42 | 21 48 | 1 18 | 5 59 | 16 57 | 23 12 | 23 14 | 23 13 | 6 58 | 2 1 | |
| S 14 | 0 24 | 20 14 | 2 16 | 3 48 | 1 33 | 10 15 | 1 21 | 23 28 | 1 36 | 11 16 | 1 32 | 1 17 | 2 13 | 14 55 | 0 42 | 21 48 | 1 18 | 6 0 | 16 57 | 23 13 | 23 14 | 23 13 | 6 59 | 2 1 | |
| S 15 | 0 0 | 22 26 | 1 7 | 2 54 | 1 27 | 9 48 | 1 22 | 23 33 | 1 35 | 11 19 | 1 32 | 1 14 | 2 13 | 14 54 | 0 42 | 21 48 | 1 18 | 6 0 | 16 57 | 23 13 | 23 14 | 23 14 | 7 0 | 2 1 | |
| M16 | 0n23 | 23 14 | 0s 8 | 1 59 | 1 19 | 9 21 | 1 23 | 23 38 | 1 35 | 11 21 | 1 32 | 1 11 | 2 14 | 14 53 | 0 42 | 21 48 | 1 18 | 6 1 | 16 57 | 23 13 | 23 14 | 23 14 | 7 2 | 2 1 | |
| T 17 | 0 47 | 22 32 | 1 22 | 1 4 | 1 12 | 8 54 | 1 24 | 23 43 | 1 35 | 11 23 | 1 31 | 1 8 | 2 14 | 14 52 | 0 42 | 21 48 | 1 18 | 6 2 | 16 57 | 23 13 | 23 15 | 23 15 | 7 3 | 2 1 | |
| W18 | 1 11 | 20 23 | 2 31 | 0 7 | 1 3 | 8 27 | 1 25 | 23 48 | 1 35 | 11 25 | 1 31 | 1 5 | 2 14 | 14 52 | 0 42 | 21 48 | 1 18 | 6 3 | 16 58 | 23 13 | 23 15 | 23 15 | 7 4 | 2 1 | |
| T 19 | 1 34 | 17 0 | 3 30 | 0n51 | 0 55 | 7 59 | 1 26 | 23 52 | 1 35 | 11 27 | 1 31 | 1 2 | 2 14 | 14 51 | 0 42 | 21 48 | 1 18 | 6 3 | 16 58 | 23 13 | 23 15 | 23 15 | 7 6 | 2 1 | |
| F 20 | 1 58 | 12 39 | 4 16 | 1 49 | 0 45 | 7 31 | 1 27 | 23 57 | 1 35 | 11 29 | 1 31 | 0 59 | 2 14 | 14 50 | 0 42 | 21 48 | 1 18 | 6 4 | 16 58 | 23 14 | 23 15 | 23 16 | 7 7 | 2 1 | |
| S 21 | 2 21 | 7 40 | 4 47 | 2 48 | 0 36 | 7 3 | 1 28 | 24 1 | 1 35 | 11 31 | 1 31 | 0 56 | 2 14 | 14 49 | 0 42 | 21 48 | 1 18 | 6 5 | 16 58 | 23 15 | 23 15 | 23 16 | 7 8 | 2 1 | |
| S 22 | 2 44 | 2 23 | 5 0 | 3 47 | 0 26 | 6 35 | 1 28 | 24 6 | 1 35 | 11 33 | 1 31 | 0 53 | 2 14 | 14 48 | 0 42 | 21 48 | 1 18 | 6 5 | 16 58 | 23 15 | 23 16 | 23 17 | 7 10 | 2 1 | |
| M23 | 3 8 | 2n56 | 4 56 | 4 46 | 0 15 | 6 7 | 1 29 | 24 10 | 1 35 | 11 35 | 1 31 | 0 50 | 2 14 | 14 47 | 0 42 | 21 48 | 1 18 | 6 6 | 16 59 | 23 16 | 23 16 | 23 17 | 7 11 | 2 0 | |
| T 24 | 3 31 | 7 59 | 4 36 | 5 45 | 0 5 | 5 38 | 1 29 | 24 14 | 1 34 | 11 37 | 1 31 | 0 47 | 2 14 | 14 46 | 0 42 | 21 48 | 1 18 | 6 7 | 16 59 | 23 17 | 23 16 | 23 17 | 7 12 | 2 0 | |
| W25 | 3 54 | 12 35 | 4 2 | 6 43 | 0n 6 | 5 9 | 1 30 | 24 18 | 1 34 | 11 39 | 1 31 | 0 44 | 2 14 | 14 46 | 0 42 | 21 47 | 1 18 | 6 7 | 16 59 | 23 18 | 23 16 | 23 18 | 7 14 | 2 0 | |
| T 26 | 4 17 | 16 31 | 3 17 | 7 41 | 0 17 | 4 41 | 1 30 | 24 21 | 1 34 | 11 41 | 1 30 | 0 41 | 2 14 | 14 45 | 0 42 | 21 47 | 1 18 | 6 8 | 16 59 | 23 18 | 23 16 | 23 18 | 7 15 | 2 0 | |
| F 27 | 4 40 | 19 40 | 2 24 | 8 39 | 0 28 | 4 12 | 1 30 | 24 25 | 1 34 | 11 42 | 1 30 | 0 38 | 2 14 | 14 44 | 0 42 | 21 47 | 1 18 | 6 9 | 16 59 | 23 19 | 23 17 | 23 18 | 7 16 | 2 0 | |
| S 28 | 5 3 | 21 53 | 1 26 | 9 35 | 0 39 | 3 42 | 1 31 | 24 28 | 1 34 | 11 44 | 1 30 | 0 35 | 2 14 | 14 43 | 0 42 | 21 47 | 1 18 | 6 9 | 16 59 | 23 19 | 23 17 | 23 19 | 7 18 | 2 0 | |
| S 29 | 5 26 | 23 7 | 0 24 | 10 31 | 0 50 | 3 13 | 1 31 | 24 32 | 1 34 | 11 45 | 1 30 | 0 32 | 2 14 | 14 42 | 0 42 | 21 47 | 1 18 | 6 10 | 16 59 | 23 19 | 23 17 | 23 19 | 7 19 | 2 0 | |
| M30 | 5 49 | 23 18 | 0n38 | 11 25 | 1 1 | 2 44 | 1 31 | 24 35 | 1 34 | 11 47 | 1 30 | 0 29 | 2 14 | 14 42 | 0 43 | 21 47 | 1 18 | 6 11 | 16 59 | 23 19 | 23 17 | 23 19 | 7 20 | 2 0 | |
| T 31 | 6n12 | 22n26 | 1n39 | 12n17 | 1n12 | 2s15 | 1s31 | 24n38 | 1n34 | 11n48 | 1n30 | 0s26 | 2s14 | 14s41 | 0s43 | 21s47 | 1n18 | 6n11 | 16n59 | 23n19 | 23n18 | 23n20 | 7n22 | 2n 0 | |

Julian Day Number = 2084906.5, Delta T = 24m42s
Ecliptic obliquity = 23°34'08, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°44'57, Lahiri = 9°51'58 Julian Calendar 1 March 996 == Greg. Calendar 6 March 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## APRIL 996 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 12 59 9 | 16♈38'06 | 9♌15 | 0♉52 | 29♓ 6 | 19♊ 9 | 3°R 4 | 4♈11 | 22♒47 | 18°R43 | 24°R42 | 8°R10 | 8♋30 | 10♋57 | 13♈59 | W 1 |
| T 2 | 13 3 6 | 17°36'31 | 21°25 | 2°43 | 0♈20 | 19°43 | 3♍ 0 | 4°18 | 22°49 | 18♐43 | 24♎41 | 8♋ 6 | 8°26 | 11° 4 | 14° 3 | T 2 |
| F 3 | 13 7 3 | 18°34'54 | 3♍51 | 4°32 | 1°33 | 20°18 | 2°56 | 4°26 | 22°51 | 18°42 | 24°39 | 8° 0 | 8°23 | 11°10 | 14° 7 | F 3 |
| S 4 | 13 10 59 | 19°33'14 | 16°37 | 6°17 | 2°47 | 20°53 | 2°53 | 4°33 | 22°54 | 18°41 | 24°37 | 7°51 | 8°20 | 11°17 | 14°10 | S 4 |
| S 5 | 13 14 56 | 20°31'33 | 29°44 | 7°59 | 4° 1 | 21°28 | 2°49 | 4°40 | 22°56 | 18°41 | 24°36 | 7°40 | 8°17 | 11°23 | 14°14 | S 5 |
| M 6 | 13 18 52 | 21°29'49 | 13♎12 | 9°37 | 5°14 | 22° 3 | 2°46 | 4°48 | 22°58 | 18°40 | 24°34 | 7°28 | 8°14 | 11°30 | 14°17 | M 6 |
| T 7 | 13 22 49 | 22°28'04 | 26°58 | 11°11 | 6°28 | 22°38 | 2°43 | 4°55 | 23° 0 | 18°39 | 24°32 | 7°16 | 8°11 | 11°37 | 14°21 | T 7 |
| W 8 | 13 26 45 | 23°26'17 | 10♏59 | 12°41 | 7°41 | 23°13 | 2°40 | 5° 3 | 23° 2 | 18°39 | 24°30 | 7° 6 | 8° 7 | 11°43 | 14°24 | W 8 |
| T 9 | 13 30 42 | 24°24'28 | 25°10 | 14° 7 | 8°55 | 23°48 | 2°37 | 5°10 | 23° 4 | 18°38 | 24°29 | 6°58 | 8° 4 | 11°50 | 14°28 | T 9 |
| F 10 | 13 34 38 | 25°22'38 | 9♐27 | 15°29 | 10° 9 | 24°24 | 2°35 | 5°17 | 23° 6 | 18°37 | 24°27 | 6°53 | 8° 1 | 11°57 | 14°32 | F 10 |
| S 11 | 13 38 35 | 26°20'46 | 23°44 | 16°46 | 11°22 | 24°59 | 2°32 | 5°25 | 23° 8 | 18°36 | 24°25 | 6°51 | 7°58 | 12° 3 | 14°35 | S 11 |
| S 12 | 13 42 32 | 27°18'53 | 7♑59 | 17°59 | 12°36 | 25°34 | 2°30 | 5°32 | 23°10 | 18°36 | 24°24 | 6°D50 | 7°55 | 12°10 | 14°39 | S 12 |
| M13 | 13 46 28 | 28°16'58 | 22° 9 | 19° 7 | 13°50 | 26° 9 | 2°28 | 5°39 | 23°12 | 18°35 | 24°22 | 6°R50 | 7°51 | 12°17 | 14°42 | M13 |
| T 14 | 13 50 25 | 29°15'02 | 6♒14 | 20°11 | 15° 3 | 26°44 | 2°27 | 5°46 | 23°14 | 18°34 | 24°20 | 6°50 | 7°48 | 12°23 | 14°46 | T 14 |
| W15 | 13 54 21 | 0♉13'05 | 20°13 | 21°10 | 16°17 | 27°20 | 2°25 | 5°53 | 23°16 | 18°33 | 24°19 | 6°49 | 7°45 | 12°30 | 14°49 | W15 |
| T 16 | 13 58 18 | 1°11'06 | 4♓ 4 | 22° 5 | 17°31 | 27°55 | 2°23 | 6° 1 | 23°18 | 18°32 | 24°17 | 6°45 | 7°42 | 12°37 | 14°53 | T 16 |
| F 17 | 14 2 14 | 2° 9'05 | 17°46 | 22°54 | 18°44 | 28°30 | 2°22 | 6° 8 | 23°19 | 18°31 | 24°15 | 6°39 | 7°39 | 12°43 | 14°56 | F 17 |
| S 18 | 14 6 11 | 3° 7'03 | 1♈19 | 23°39 | 19°58 | 29° 6 | 2°21 | 6°15 | 23°21 | 18°30 | 24°14 | 6°30 | 7°36 | 12°50 | 15° 0 | S 18 |
| S 19 | 14 10 7 | 4° 5'00 | 14°40 | 24°19 | 21°12 | 29°41 | 2°20 | 6°22 | 23°23 | 18°29 | 24°12 | 6°20 | 7°32 | 12°56 | 15° 3 | S 19 |
| M20 | 14 14 4 | 5° 2'55 | 27°48 | 24°54 | 22°25 | 0♋17 | 2°20 | 6°29 | 23°24 | 18°28 | 24°10 | 6° 9 | 7°29 | 13° 3 | 15° 7 | M20 |
| T 21 | 14 18 0 | 6° 0'49 | 10♉40 | 25°24 | 23°39 | 0°52 | 2°19 | 6°36 | 23°26 | 18°27 | 24° 9 | 5°59 | 7°26 | 13°10 | 15°10 | T 21 |
| W22 | 14 21 57 | 6°58'41 | 23°17 | 25°49 | 24°52 | 1°28 | 2°19 | 6°43 | 23°27 | 18°26 | 24° 7 | 5°50 | 7°23 | 13°16 | 15°13 | W22 |
| T 23 | 14 25 54 | 7°56'31 | 5♊39 | 26° 8 | 26° 6 | 2° 3 | 2°D19 | 6°50 | 23°29 | 18°25 | 24° 5 | 5°44 | 7°20 | 13°23 | 15°17 | T 23 |
| F 24 | 14 29 50 | 8°54'20 | 17°48 | 26°23 | 27°20 | 2°39 | 2°19 | 6°57 | 23°30 | 18°24 | 24° 4 | 5°40 | 7°17 | 13°30 | 15°20 | F 24 |
| S 25 | 14 33 47 | 9°52'08 | 29°45 | 26°33 | 28°33 | 3°15 | 2°19 | 7° 4 | 23°32 | 18°22 | 24° 2 | 5°38 | 7°13 | 13°36 | 15°24 | S 25 |
| S 26 | 14 37 43 | 10°49'53 | 11♋36 | 26°38 | 29°47 | 3°50 | 2°19 | 7°10 | 23°33 | 18°21 | 24° 1 | 5°D38 | 7°10 | 13°43 | 15°27 | S 26 |
| M27 | 14 41 40 | 11°47'37 | 23°24 | 26°R38 | 1♉ 0 | 4°26 | 2°20 | 7°17 | 23°34 | 18°20 | 23°59 | 5°39 | 7° 7 | 13°50 | 15°30 | M27 |
| T 28 | 14 45 36 | 12°45'20 | 5♌13 | 26°33 | 2°14 | 5° 2 | 2°20 | 7°24 | 23°36 | 18°19 | 23°57 | 5°40 | 7° 4 | 13°56 | 15°34 | T 28 |
| W29 | 14 49 33 | 13°43'00 | 17°11 | 26°24 | 3°28 | 5°38 | 2°21 | 7°30 | 23°37 | 18°18 | 23°56 | 5°R40 | 7° 1 | 14° 3 | 15°37 | W29 |
| T 30 | 14 53 30 | 14♉40'40 | 29♌21 | 26♉11 | 4♉41 | 6♋13 | 2♍23 | 7♈37 | 23♒38 | 18♐16 | 23♎54 | 5♋39 | 6♋57 | 14♋10 | 15♈40 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n34 | 20n33 | 2n37 | 13n 7 | 1n23 | 1s45 | 1s31 | 24n40 | 1n33 | 11n50 | 1n29 | 0s23 | 2s14 | 14s40 | 0s43 | 21s47 | 1n18 | 6n12 | 16n59 | 23n19 | 23n18 | 23n20 | 7n23 | 2n 0 |
| T 2 | 6 57 | 17 43 | 3 28 | 13 56 | 1 33 | 1 16 | 1 31 | 24 43 | 1 33 | 11 51 | 1 29 | 0 20 | 2 14 | 14 39 | 0 43 | 21 47 | 1 19 | 6 13 | 17 0 | 23 19 | 23 18 | 23 20 | 7 25 | 2 0 |
| F 3 | 7 19 | 14 2 | 4 10 | 14 42 | 1 42 | 0 46 | 1 31 | 24 46 | 1 33 | 11 52 | 1 29 | 0 17 | 2 14 | 14 39 | 0 43 | 21 47 | 1 19 | 6 13 | 17 0 | 23 20 | 23 18 | 23 21 | 7 26 | 2 0 |
| S 4 | 7 41 | 9 37 | 4 41 | 15 26 | 1 51 | 0 16 | 1 31 | 24 48 | 1 33 | 11 53 | 1 29 | 0 14 | 2 14 | 14 38 | 0 43 | 21 47 | 1 19 | 6 14 | 17 0 | 23 20 | 23 18 | 23 21 | 7 27 | 2 0 |
| S 5 | 8 4 | 4 40 | 4 58 | 16 8 | 2 0 | 0n13 | 1 30 | 24 50 | 1 33 | 11 54 | 1 29 | 0 11 | 2 14 | 14 37 | 0 43 | 21 47 | 1 19 | 6 15 | 17 0 | 23 21 | 23 19 | 23 21 | 7 29 | 2 0 |
| M 6 | 8 26 | 0s38 | 5 0 | 16 47 | 2 8 | 0 43 | 1 30 | 24 52 | 1 33 | 11 55 | 1 29 | 0 8 | 2 14 | 14 36 | 0 43 | 21 47 | 1 19 | 6 15 | 17 0 | 23 21 | 23 19 | 23 22 | 7 30 | 2 0 |
| T 7 | 8 47 | 6 2 | 4 44 | 17 24 | 2 15 | 1 13 | 1 29 | 24 54 | 1 32 | 11 56 | 1 28 | 0 5 | 2 14 | 14 36 | 0 43 | 21 47 | 1 19 | 6 16 | 17 0 | 23 22 | 23 19 | 23 22 | 7 31 | 2 0 |
| W 8 | 9 9 | 11 14 | 4 11 | 17 58 | 2 21 | 1 42 | 1 29 | 24 56 | 1 32 | 11 57 | 1 28 | 0 3 | 2 15 | 14 35 | 0 43 | 21 46 | 1 19 | 6 16 | 17 0 | 23 23 | 23 19 | 23 22 | 7 33 | 2 0 |
| T 9 | 9 31 | 15 54 | 3 22 | 18 30 | 2 27 | 2 12 | 1 28 | 24 57 | 1 32 | 11 58 | 1 28 | 0n 0 | 2 15 | 14 34 | 0 43 | 21 46 | 1 19 | 6 17 | 17 0 | 23 23 | 23 19 | 23 23 | 7 34 | 2 0 |
| F 10 | 9 52 | 19 41 | 2 20 | 18 59 | 2 32 | 2 42 | 1 28 | 24 59 | 1 32 | 11 59 | 1 28 | 0 3 | 2 15 | 14 34 | 0 43 | 21 46 | 1 19 | 6 17 | 17 0 | 23 23 | 23 20 | 23 23 | 7 35 | 1 59 |
| S 11 | 10 13 | 22 16 | 1 9 | 19 25 | 2 35 | 3 11 | 1 27 | 25 0 | 1 32 | 11 59 | 1 28 | 0 6 | 2 15 | 14 33 | 0 43 | 21 46 | 1 19 | 6 18 | 17 0 | 23 23 | 23 20 | 23 23 | 7 37 | 1 59 |
| S 12 | 10 34 | 23 26 | 0s 6 | 19 49 | 2 39 | 3 41 | 1 26 | 25 1 | 1 32 | 12 0 | 1 28 | 0 9 | 2 15 | 14 33 | 0 43 | 21 46 | 1 19 | 6 19 | 16 59 | 23 23 | 23 20 | 23 23 | 7 38 | 1 59 |
| M13 | 10 55 | 23 4 | 1 21 | 20 10 | 2 41 | 4 10 | 1 26 | 25 2 | 1 31 | 12 0 | 1 27 | 0 12 | 2 15 | 14 32 | 0 43 | 21 46 | 1 19 | 6 19 | 16 59 | 23 23 | 23 20 | 23 24 | 7 39 | 1 59 |
| T 14 | 11 16 | 21 14 | 2 30 | 20 29 | 2 42 | 4 40 | 1 25 | 25 3 | 1 31 | 12 1 | 1 27 | 0 14 | 2 15 | 14 31 | 0 43 | 21 46 | 1 19 | 6 20 | 16 59 | 23 23 | 23 20 | 23 24 | 7 41 | 1 59 |
| W15 | 11 37 | 18 8 | 3 29 | 20 45 | 2 42 | 5 9 | 1 24 | 25 3 | 1 31 | 12 1 | 1 27 | 0 17 | 2 15 | 14 31 | 0 43 | 21 46 | 1 19 | 6 20 | 16 59 | 23 24 | 23 20 | 23 24 | 7 42 | 1 59 |
| T 16 | 11 57 | 14 2 | 4 16 | 20 59 | 2 41 | 5 38 | 1 23 | 25 4 | 1 31 | 12 2 | 1 27 | 0 20 | 2 15 | 14 30 | 0 43 | 21 46 | 1 19 | 6 21 | 16 59 | 23 24 | 23 21 | 23 24 | 7 43 | 1 59 |
| F 17 | 12 17 | 9 16 | 4 48 | 21 10 | 2 39 | 6 7 | 1 22 | 25 4 | 1 31 | 12 2 | 1 27 | 0 23 | 2 15 | 14 30 | 0 43 | 21 46 | 1 19 | 6 21 | 16 59 | 23 24 | 23 21 | 23 25 | 7 45 | 1 59 |
| S 18 | 12 37 | 4 5 | 5 2 | 21 18 | 2 36 | 6 36 | 1 21 | 25 4 | 1 30 | 12 2 | 1 26 | 0 25 | 2 16 | 14 29 | 0 43 | 21 45 | 1 19 | 6 22 | 16 59 | 23 25 | 23 21 | 23 25 | 7 46 | 1 59 |
| S 19 | 12 57 | 1n12 | 5 0 | 21 25 | 2 32 | 7 5 | 1 19 | 25 4 | 1 30 | 12 2 | 1 26 | 0 28 | 2 16 | 14 29 | 0 43 | 21 45 | 1 19 | 6 22 | 16 59 | 23 25 | 23 21 | 23 25 | 7 47 | 1 59 |
| M20 | 13 16 | 6 21 | 4 43 | 21 28 | 2 27 | 7 34 | 1 18 | 25 4 | 1 30 | 12 2 | 1 26 | 0 31 | 2 16 | 14 28 | 0 43 | 21 45 | 1 19 | 6 23 | 16 59 | 23 26 | 23 21 | 23 25 | 7 49 | 1 59 |
| T 21 | 13 36 | 11 8 | 4 10 | 21 30 | 2 21 | 8 2 | 1 17 | 25 4 | 1 30 | 12 2 | 1 26 | 0 33 | 2 16 | 14 28 | 0 43 | 21 45 | 1 19 | 6 23 | 16 59 | 23 26 | 23 22 | 23 26 | 7 50 | 1 59 |
| W22 | 13 55 | 15 22 | 3 27 | 21 29 | 2 14 | 8 31 | 1 16 | 25 3 | 1 30 | 12 2 | 1 26 | 0 36 | 2 16 | 14 27 | 0 43 | 21 45 | 1 19 | 6 23 | 16 58 | 23 26 | 23 22 | 23 26 | 7 51 | 1 59 |
| T 23 | 14 14 | 18 51 | 2 34 | 21 26 | 2 6 | 8 59 | 1 14 | 25 3 | 1 29 | 12 2 | 1 25 | 0 39 | 2 16 | 14 27 | 0 43 | 21 45 | 1 19 | 6 24 | 16 58 | 23 27 | 23 22 | 23 26 | 7 53 | 1 59 |
| F 24 | 14 33 | 21 26 | 1 34 | 21 20 | 1 56 | 9 27 | 1 13 | 25 2 | 1 29 | 12 2 | 1 25 | 0 41 | 2 16 | 14 26 | 0 43 | 21 45 | 1 19 | 6 24 | 16 58 | 23 27 | 23 22 | 23 26 | 7 54 | 1 59 |
| S 25 | 14 51 | 23 3 | 0 32 | 21 12 | 1 46 | 9 54 | 1 11 | 25 1 | 1 29 | 12 2 | 1 25 | 0 44 | 2 16 | 14 26 | 0 43 | 21 45 | 1 19 | 6 25 | 16 58 | 23 27 | 23 22 | 23 26 | 7 55 | 1 59 |
| S 26 | 15 9 | 23 36 | 0n32 | 21 2 | 1 34 | 10 22 | 1 10 | 25 0 | 1 29 | 12 1 | 1 25 | 0 46 | 2 17 | 14 26 | 0 43 | 21 44 | 1 19 | 6 25 | 16 58 | 23 27 | 23 22 | 23 27 | 7 57 | 1 59 |
| M27 | 15 27 | 23 5 | 1 34 | 20 50 | 1 22 | 10 49 | 1 8 | 24 58 | 1 29 | 12 1 | 1 24 | 0 49 | 2 17 | 14 25 | 0 43 | 21 44 | 1 19 | 6 25 | 16 57 | 23 27 | 23 23 | 23 27 | 7 58 | 1 59 |
| T 28 | 15 45 | 21 32 | 2 32 | 20 36 | 1 8 | 11 16 | 1 7 | 24 57 | 1 28 | 12 0 | 1 24 | 0 51 | 2 17 | 14 25 | 0 44 | 21 44 | 1 19 | 6 26 | 16 57 | 23 27 | 23 23 | 23 27 | 7 59 | 1 59 |
| W29 | 16 3 | 19 1 | 3 25 | 20 20 | 0 54 | 11 43 | 1 5 | 24 55 | 1 28 | 12 0 | 1 24 | 0 54 | 2 17 | 14 24 | 0 44 | 21 44 | 1 19 | 6 26 | 16 57 | 23 27 | 23 23 | 23 27 | 8 0 | 1 59 |
| T 30 | 16n20 | 15n38 | 4n 9 | 20n 2 | 0n39 | 12n10 | 1s 3 | 24n53 | 1n28 | 11n59 | 1n24 | 0n56 | 2s17 | 14s24 | 0s44 | 21s44 | 1n19 | 6n26 | 16n57 | 23n27 | 23n23 | 23n27 | 8n 2 | 1n59 |

Julian Day Number = 2084937.5, Delta T = 24m41s
Ecliptic obliquity = 23°34'09, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'01, Lahiri = 9°52'02 Julian Calendar 1 Apr. 996 == Greg. Calendar 6 Apr. 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## MAY 996 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 14 57 26 | 15♉38'17 | 11♍49 | 25°R53 | 5♉55 | 6♋49 | 2♍24 | 7♈44 | 23♒39 | 18°R15 | 23°R53 | 5°R36 | 6♋54 | 14♋16 | 15♈43 | F 1 |
| S 2 | 15 1 23 | 16°35'53 | 24°38 | 25♉32 | 7° 8 | 7°25 | 2°25 | 7°50 | 23°40 | 18♐14 | 23♎51 | 5♋31 | 6°51 | 14°23 | 15°47 | S 2 |
| S 3 | 15 5 19 | 17°33'27 | 7♎51 | 25° 7 | 8°22 | 8° 1 | 2°27 | 7°57 | 23°41 | 18°12 | 23°50 | 5°24 | 6°48 | 14°30 | 15°50 | S 3 |
| M 4 | 15 9 16 | 18°31'00 | 21°29 | 24°40 | 9°36 | 8°37 | 2°29 | 8° 3 | 23°42 | 18°11 | 23°48 | 5°17 | 6°45 | 14°36 | 15°53 | M 4 |
| T 5 | 15 13 12 | 19°28'32 | 5♏30 | 24°10 | 10°49 | 9°13 | 2°31 | 8° 9 | 23°43 | 18°10 | 23°47 | 5°10 | 6°42 | 14°43 | 15°56 | T 5 |
| W 6 | 15 17 9 | 20°26'02 | 19°51 | 23°39 | 12° 3 | 9°48 | 2°33 | 8°16 | 23°44 | 18° 8 | 23°45 | 5° 3 | 6°38 | 14°49 | 15°59 | W 6 |
| T 7 | 15 21 5 | 21°23'31 | 4♐25 | 23° 6 | 13°16 | 10°24 | 2°35 | 8°22 | 23°45 | 18° 7 | 23°44 | 4°58 | 6°35 | 14°56 | 16° 2 | T 7 |
| F 8 | 15 25 2 | 22°21'00 | 19° 6 | 22°32 | 14°30 | 11° 0 | 2°38 | 8°28 | 23°45 | 18° 5 | 23°42 | 4°55 | 6°32 | 15° 3 | 16° 5 | F 8 |
| S 9 | 15 28 58 | 23°18'27 | 3♑48 | 21°58 | 15°43 | 11°36 | 2°41 | 8°34 | 23°46 | 18° 4 | 23°41 | 4°D54 | 6°29 | 15° 9 | 16° 8 | S 9 |
| S 10 | 15 32 55 | 24°15'54 | 18°23 | 21°25 | 16°57 | 12°12 | 2°43 | 8°41 | 23°47 | 18° 3 | 23°39 | 4°55 | 6°26 | 15°16 | 16°11 | S 10 |
| M11 | 15 36 52 | 25°13'19 | 2♒49 | 20°52 | 18°11 | 12°49 | 2°46 | 8°47 | 23°47 | 18° 1 | 23°38 | 4°56 | 6°22 | 15°23 | 16°14 | M11 |
| T 12 | 15 40 48 | 26°10'44 | 17° 1 | 20°21 | 19°24 | 13°25 | 2°50 | 8°53 | 23°48 | 18° 0 | 23°37 | 4°57 | 6°19 | 15°29 | 16°17 | T 12 |
| W13 | 15 44 45 | 27° 8'08 | 0♓59 | 19°53 | 20°38 | 14° 1 | 2°53 | 8°59 | 23°49 | 17°58 | 23°35 | 4°R58 | 6°16 | 15°36 | 16°20 | W13 |
| T 14 | 15 48 41 | 28° 5'32 | 14°41 | 19°26 | 21°51 | 14°37 | 2°57 | 9° 4 | 23°49 | 17°57 | 23°34 | 4°56 | 6°13 | 15°43 | 16°23 | T 14 |
| F 15 | 15 52 38 | 29° 2'55 | 28° 9 | 19° 3 | 23° 5 | 15°13 | 3° 0 | 9°10 | 23°50 | 17°55 | 23°33 | 4°54 | 6°10 | 15°49 | 16°26 | F 15 |
| S 16 | 15 56 34 | 0♊ 0'17 | 11♈22 | 18°43 | 24°19 | 15°49 | 3° 4 | 9°16 | 23°50 | 17°54 | 23°31 | 4°49 | 6° 7 | 15°56 | 16°29 | S 16 |
| S 17 | 16 0 31 | 0°57'38 | 24°21 | 18°27 | 25°32 | 16°25 | 3° 8 | 9°22 | 23°50 | 17°52 | 23°30 | 4°44 | 6° 3 | 16° 3 | 16°32 | S 17 |
| M18 | 16 4 28 | 1°54'59 | 7♉ 7 | 18°15 | 26°46 | 17° 2 | 3°12 | 9°27 | 23°51 | 17°51 | 23°29 | 4°39 | 6° 0 | 16° 9 | 16°35 | M18 |
| T 19 | 16 8 24 | 2°52'20 | 19°40 | 18° 6 | 28° 0 | 17°38 | 3°17 | 9°33 | 23°51 | 17°49 | 23°28 | 4°34 | 5°57 | 16°16 | 16°37 | T 19 |
| W20 | 16 12 21 | 3°49'39 | 2♊ 1 | 18°D 3 | 29°13 | 18°14 | 3°21 | 9°39 | 23°51 | 17°48 | 23°27 | 4°29 | 5°54 | 16°23 | 16°40 | W20 |
| T 21 | 16 16 17 | 4°46'58 | 14°10 | 18° 3 | 0♊27 | 18°51 | 3°26 | 9°44 | 23°51 | 17°46 | 23°25 | 4°26 | 5°51 | 16°29 | 16°43 | T 21 |
| F 22 | 16 20 14 | 5°44'16 | 26°10 | 18° 8 | 1°40 | 19°27 | 3°31 | 9°49 | 23°51 | 17°44 | 23°24 | 4°25 | 5°48 | 16°36 | 16°45 | F 22 |
| S 23 | 16 24 10 | 6°41'33 | 8♋ 3 | 18°18 | 2°54 | 20° 3 | 3°36 | 9°55 | 23°R51 | 17°43 | 23°23 | 4°D24 | 5°44 | 16°42 | 16°48 | S 23 |
| S 24 | 16 28 7 | 7°38'50 | 19°51 | 18°32 | 4° 8 | 20°40 | 3°41 | 10° 0 | 23°51 | 17°41 | 23°22 | 4°25 | 5°41 | 16°49 | 16°50 | S 24 |
| M25 | 16 32 3 | 8°36'06 | 1♌38 | 18°50 | 5°21 | 21°16 | 3°46 | 10° 5 | 23°51 | 17°40 | 23°21 | 4°27 | 5°38 | 16°56 | 16°53 | M25 |
| T 26 | 16 36 0 | 9°33'21 | 13°28 | 19°14 | 6°35 | 21°53 | 3°51 | 10°10 | 23°51 | 17°38 | 23°20 | 4°28 | 5°35 | 17° 2 | 16°55 | T 26 |
| W27 | 16 39 57 | 10°30'35 | 25°25 | 19°41 | 7°49 | 22°29 | 3°57 | 10°15 | 23°51 | 17°37 | 23°19 | 4°30 | 5°32 | 17° 9 | 16°58 | W27 |
| T 28 | 16 43 53 | 11°27'48 | 7♍35 | 20°13 | 9° 2 | 23° 5 | 4° 3 | 10°20 | 23°51 | 17°35 | 23°18 | 4°R31 | 5°28 | 17°16 | 17° 0 | T 28 |
| F 29 | 16 47 50 | 12°25'01 | 20° 1 | 20°50 | 10°16 | 23°42 | 4° 9 | 10°25 | 23°51 | 17°33 | 23°17 | 4°30 | 5°25 | 17°22 | 17° 3 | F 29 |
| S 30 | 16 51 46 | 13°22'12 | 2♎48 | 21°30 | 11°30 | 24°19 | 4°15 | 10°30 | 23°50 | 17°32 | 23°16 | 4°29 | 5°22 | 17°29 | 17° 5 | S 30 |
| S 31 | 16 55 43 | 14♊19'24 | 15♎59 | 22♉15 | 12♊43 | 24♋55 | 4♍21 | 10♈35 | 23♒50 | 17♐30 | 23♎15 | 4♋27 | 5♋19 | 17♋36 | 17♈ 7 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 16n37 | 11n31 | 4n42 | 19n42 | 0n23 | 12n36 | 1 s 2 | 24n51 | 1n28 | 11n59 | 1n24 | 0n59 | 2 s17 | 14 s24 | 0 s44 | 21 s44 | 1n19 | 6n27 | 16n57 | 23n27 | 23n23 | 23n27 | 8n 3 | 1n59 | F 1 |
| S 2 | 16 53 | 6 46 | 5 3 | 19 21 | 0 7 | 13 2 | 1 0 | 24 49 | 1 27 | 11 58 | 1 23 | 1 1 | 2 17 | 14 23 | 0 44 | 21 44 | 1 19 | 6 27 | 16 56 | 23 27 | 23 23 | 23 28 | 8 4 | 1 59 | S 2 |
| S 3 | 17 10 | 1 35 | 5 8 | 18 59 | 0 s10 | 13 27 | 0 58 | 24 47 | 1 27 | 11 57 | 1 23 | 1 4 | 2 18 | 14 23 | 0 44 | 21 44 | 1 19 | 6 27 | 16 56 | 23 27 | 23 24 | 23 28 | 8 5 | 1 59 | S 3 |
| M 4 | 17 26 | 3 s51 | 4 56 | 18 36 | 0 27 | 13 53 | 0 56 | 24 44 | 1 27 | 11 56 | 1 23 | 1 6 | 2 18 | 14 23 | 0 44 | 21 43 | 1 19 | 6 28 | 16 56 | 23 28 | 23 24 | 23 28 | 8 7 | 1 59 | M 4 |
| T 5 | 17 42 | 9 14 | 4 26 | 18 12 | 0 45 | 14 18 | 0 54 | 24 41 | 1 27 | 11 55 | 1 23 | 1 9 | 2 18 | 14 23 | 0 44 | 21 43 | 1 19 | 6 28 | 16 55 | 23 28 | 23 24 | 23 28 | 8 8 | 1 59 | T 5 |
| W 6 | 17 57 | 14 16 | 3 40 | 17 47 | 1 2 | 14 42 | 0 52 | 24 39 | 1 27 | 11 54 | 1 23 | 1 11 | 2 18 | 14 22 | 0 44 | 21 43 | 1 19 | 6 28 | 16 55 | 23 28 | 23 24 | 23 28 | 8 9 | 1 59 | W 6 |
| T 7 | 18 12 | 18 33 | 2 38 | 17 22 | 1 19 | 15 7 | 0 50 | 24 36 | 1 26 | 11 53 | 1 22 | 1 13 | 2 18 | 14 22 | 0 44 | 21 43 | 1 19 | 6 28 | 16 55 | 23 28 | 23 24 | 23 28 | 8 10 | 1 59 | T 7 |
| F 8 | 18 27 | 21 43 | 1 25 | 16 57 | 1 36 | 15 30 | 0 48 | 24 32 | 1 26 | 11 52 | 1 22 | 1 16 | 2 18 | 14 22 | 0 44 | 21 43 | 1 19 | 6 29 | 16 55 | 23 29 | 23 24 | 23 28 | 8 11 | 1 59 | F 8 |
| S 9 | 18 42 | 23 25 | 0 6 | 16 32 | 1 53 | 15 54 | 0 46 | 24 29 | 1 26 | 11 51 | 1 22 | 1 18 | 2 19 | 14 22 | 0 44 | 21 43 | 1 19 | 6 29 | 16 54 | 23 29 | 23 25 | 23 29 | 8 13 | 1 59 | S 9 |
| S 10 | 18 56 | 23 30 | 1 s13 | 16 8 | 2 9 | 16 17 | 0 44 | 24 26 | 1 26 | 11 50 | 1 22 | 1 20 | 2 19 | 14 21 | 0 44 | 21 43 | 1 19 | 6 29 | 16 54 | 23 29 | 23 25 | 23 29 | 8 14 | 1 59 | S 10 |
| M11 | 19 10 | 22 0 | 2 26 | 15 45 | 2 24 | 16 40 | 0 42 | 24 22 | 1 25 | 11 48 | 1 22 | 1 22 | 2 19 | 14 21 | 0 44 | 21 42 | 1 19 | 6 29 | 16 54 | 23 29 | 23 25 | 23 29 | 8 15 | 1 59 | M11 |
| T 12 | 19 24 | 19 8 | 3 29 | 15 23 | 2 39 | 17 2 | 0 40 | 24 18 | 1 25 | 11 47 | 1 21 | 1 25 | 2 19 | 14 21 | 0 44 | 21 42 | 1 19 | 6 29 | 16 53 | 23 29 | 23 25 | 23 29 | 8 16 | 1 59 | T 12 |
| W13 | 19 37 | 15 12 | 4 19 | 15 2 | 2 52 | 17 24 | 0 38 | 24 14 | 1 25 | 11 46 | 1 21 | 1 27 | 2 19 | 14 21 | 0 44 | 21 42 | 1 19 | 6 29 | 16 53 | 23 29 | 23 25 | 23 29 | 8 17 | 1 59 | W13 |
| T 14 | 19 51 | 10 33 | 4 52 | 14 43 | 3 5 | 17 46 | 0 35 | 24 10 | 1 25 | 11 44 | 1 21 | 1 29 | 2 19 | 14 21 | 0 44 | 21 42 | 1 19 | 6 30 | 16 53 | 23 29 | 23 25 | 23 29 | 8 18 | 1 59 | T 14 |
| F 15 | 20 3 | 5 28 | 5 9 | 14 26 | 3 16 | 18 6 | 0 33 | 24 6 | 1 24 | 11 43 | 1 21 | 1 31 | 2 20 | 14 21 | 0 44 | 21 42 | 1 19 | 6 30 | 16 52 | 23 29 | 23 25 | 23 29 | 8 19 | 1 59 | F 15 |
| S 16 | 20 16 | 0 13 | 5 9 | 14 11 | 3 26 | 18 27 | 0 31 | 24 1 | 1 24 | 11 41 | 1 20 | 1 33 | 2 20 | 14 21 | 0 44 | 21 42 | 1 19 | 6 30 | 16 52 | 23 29 | 23 26 | 23 29 | 8 21 | 1 59 | S 16 |
| S 17 | 20 28 | 4n56 | 4 54 | 13 58 | 3 35 | 18 47 | 0 29 | 23 56 | 1 24 | 11 39 | 1 20 | 1 35 | 2 20 | 14 21 | 0 44 | 21 42 | 1 19 | 6 30 | 16 51 | 23 29 | 23 26 | 23 29 | 8 22 | 1 59 | S 17 |
| M18 | 20 39 | 9 49 | 4 23 | 13 47 | 3 43 | 19 7 | 0 26 | 23 52 | 1 24 | 11 38 | 1 20 | 1 37 | 2 20 | 14 21 | 0 44 | 21 42 | 1 19 | 6 30 | 16 51 | 23 29 | 23 26 | 23 29 | 8 23 | 1 59 | M18 |
| T 19 | 20 51 | 14 12 | 3 41 | 13 39 | 3 49 | 19 26 | 0 24 | 23 47 | 1 23 | 11 36 | 1 20 | 1 39 | 2 20 | 14 20 | 0 44 | 21 41 | 1 19 | 6 30 | 16 51 | 23 29 | 23 26 | 23 29 | 8 24 | 1 59 | T 19 |
| W20 | 21 2 | 17 56 | 2 48 | 13 33 | 3 54 | 19 44 | 0 22 | 23 41 | 1 23 | 11 34 | 1 20 | 1 41 | 2 21 | 14 20 | 0 44 | 21 41 | 1 19 | 6 30 | 16 50 | 23 30 | 23 26 | 23 29 | 8 25 | 1 59 | W20 |
| T 21 | 21 12 | 20 49 | 1 49 | 13 29 | 3 58 | 20 2 | 0 20 | 23 36 | 1 23 | 11 32 | 1 19 | 1 43 | 2 21 | 14 20 | 0 44 | 21 41 | 1 19 | 6 30 | 16 50 | 23 30 | 23 26 | 23 29 | 8 26 | 1 59 | T 21 |
| F 22 | 21 23 | 22 46 | 0 45 | 13 28 | 4 1 | 20 20 | 0 17 | 23 31 | 1 23 | 11 30 | 1 19 | 1 45 | 2 21 | 14 20 | 0 44 | 21 41 | 1 19 | 6 30 | 16 49 | 23 30 | 23 26 | 23 29 | 8 27 | 1 59 | F 22 |
| S 23 | 21 33 | 23 39 | 0n20 | 13 29 | 4 3 | 20 37 | 0 15 | 23 25 | 1 22 | 11 28 | 1 19 | 1 47 | 2 21 | 14 20 | 0 44 | 21 41 | 1 19 | 6 30 | 16 49 | 23 30 | 23 27 | 23 30 | 8 28 | 1 59 | S 23 |
| S 24 | 21 42 | 23 29 | 1 24 | 13 32 | 4 3 | 20 53 | 0 13 | 23 19 | 1 22 | 11 26 | 1 19 | 1 49 | 2 21 | 14 20 | 0 45 | 21 41 | 1 19 | 6 30 | 16 49 | 23 30 | 23 27 | 23 30 | 8 29 | 1 59 | S 24 |
| M25 | 21 51 | 22 15 | 2 24 | 13 38 | 4 3 | 21 9 | 0 10 | 23 13 | 1 22 | 11 24 | 1 19 | 1 51 | 2 22 | 14 21 | 0 45 | 21 40 | 1 19 | 6 30 | 16 48 | 23 30 | 23 27 | 23 30 | 8 30 | 1 59 | M25 |
| T 26 | 22 0 | 20 2 | 3 19 | 13 46 | 4 1 | 21 24 | 0 8 | 23 7 | 1 22 | 11 22 | 1 18 | 1 53 | 2 22 | 14 21 | 0 45 | 21 40 | 1 19 | 6 30 | 16 48 | 23 30 | 23 27 | 23 30 | 8 31 | 1 59 | T 26 |
| W27 | 22 9 | 16 57 | 4 5 | 13 55 | 3 58 | 21 39 | 0 5 | 23 1 | 1 21 | 11 20 | 1 18 | 1 54 | 2 22 | 14 21 | 0 45 | 21 40 | 1 19 | 6 30 | 16 47 | 23 30 | 23 27 | 23 30 | 8 32 | 1 59 | W27 |
| T 28 | 22 17 | 13 7 | 4 42 | 14 7 | 3 55 | 21 53 | 0 3 | 22 55 | 1 21 | 11 17 | 1 18 | 1 56 | 2 22 | 14 21 | 0 45 | 21 40 | 1 19 | 6 30 | 16 47 | 23 29 | 23 27 | 23 30 | 8 33 | 1 59 | T 28 |
| F 29 | 22 24 | 8 39 | 5 6 | 14 21 | 3 51 | 22 6 | 0 1 | 22 48 | 1 21 | 11 15 | 1 18 | 1 58 | 2 23 | 14 21 | 0 45 | 21 40 | 1 19 | 6 30 | 16 46 | 23 30 | 23 27 | 23 30 | 8 34 | 1 59 | F 29 |
| S 30 | 22 32 | 3 42 | 5 15 | 14 37 | 3 45 | 22 19 | 0n 2 | 22 41 | 1 20 | 11 13 | 1 18 | 1 59 | 2 23 | 14 21 | 0 45 | 21 40 | 1 19 | 6 30 | 16 46 | 23 30 | 23 28 | 23 30 | 8 35 | 1 59 | S 30 |
| S 31 | 22n39 | 1 s34 | 5n 9 | 14n54 | 3 s39 | 22n31 | 0n 4 | 22n35 | 1n20 | 11n10 | 1n18 | 2n 1 | 2 s23 | 14 s21 | 0 s45 | 21 s40 | 1n19 | 6n30 | 16n45 | 23n30 | 23n28 | 23n30 | 8n36 | 1n59 | S 31 |

Julian Day Number = 2084967.5, Delta T = 24m41s
Ecliptic obliquity = 23°34'08, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'05, Lahiri = 9°52'06 Julian Calendar 1 May 996 == Greg. Calendar 6 May 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## JUNE 996 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 16 59 39 | 15♊16'34 | 29♎37 | 23♉ 4 | 13♊57 | 25♋32 | 4♍27 | 10♈39 | 23°R50 | 17°R28 | 23°R14 | 4°R25 | 5♋16 | 17♋42 | 17♈10 | M 1 |
| T 2 | 17 3 36 | 16°13'44 | 13♏42 | 23°57 | 15°11 | 26° 8 | 4°33 | 10°44 | 23♒49 | 17♐27 | 23♎13 | 4♋23 | 5°13 | 17°49 | 17°12 | T 2 |
| W 3 | 17 7 32 | 17°10'53 | 28°10 | 24°54 | 16°24 | 26°45 | 4°40 | 10°48 | 23°49 | 17°25 | 23°13 | 4°20 | 5° 9 | 17°56 | 17°14 | W 3 |
| T 4 | 17 11 29 | 18° 8'03 | 12♐58 | 25°56 | 17°38 | 27°22 | 4°47 | 10°53 | 23°48 | 17°24 | 23°12 | 4°19 | 5° 6 | 18° 2 | 17°16 | T 4 |
| F 5 | 17 15 26 | 19° 5'11 | 27°57 | 27° 1 | 18°52 | 27°58 | 4°53 | 10°57 | 23°48 | 17°22 | 23°11 | 4°D18 | 5° 3 | 18° 9 | 17°18 | F 5 |
| S 6 | 17 19 22 | 20° 2'20 | 12♑59 | 28° 9 | 20° 5 | 28°35 | 5° 0 | 11° 1 | 23°47 | 17°20 | 23°10 | 4°18 | 5° 0 | 18°16 | 17°20 | S 6 |
| S 7 | 17 23 19 | 20°59'29 | 27°56 | 29°22 | 21°19 | 29°12 | 5° 7 | 11° 5 | 23°46 | 17°19 | 23°10 | 4°19 | 4°57 | 18°22 | 17°22 | S 7 |
| M 8 | 17 27 15 | 21°56'37 | 12♒41 | 0♊38 | 22°33 | 29°48 | 5°15 | 11°10 | 23°46 | 17°17 | 23° 9 | 4°20 | 4°54 | 18°29 | 17°24 | M 8 |
| T 9 | 17 31 12 | 22°53'46 | 27° 9 | 1°58 | 23°46 | 0♌25 | 5°22 | 11°14 | 23°45 | 17°16 | 23° 8 | 4°21 | 4°50 | 18°35 | 17°26 | T 9 |
| W10 | 17 35 8 | 23°50'55 | 11♓15 | 3°22 | 25° 0 | 1° 2 | 5°30 | 11°18 | 23°44 | 17°14 | 23° 8 | 4°21 | 4°47 | 18°42 | 17°28 | W10 |
| T 11 | 17 39 5 | 24°48'04 | 24°59 | 4°50 | 26°14 | 1°39 | 5°37 | 11°21 | 23°43 | 17°12 | 23° 7 | 4°R22 | 4°44 | 18°49 | 17°30 | T 11 |
| F 12 | 17 43 1 | 25°45'13 | 8♈22 | 6°20 | 27°28 | 2°16 | 5°45 | 11°25 | 23°42 | 17°11 | 23° 7 | 4°21 | 4°41 | 18°55 | 17°32 | F 12 |
| S 13 | 17 46 58 | 26°42'23 | 21°25 | 7°55 | 28°41 | 2°53 | 5°53 | 11°29 | 23°41 | 17° 9 | 23° 6 | 4°21 | 4°38 | 19° 2 | 17°33 | S 13 |
| S 14 | 17 50 55 | 27°39'33 | 4♉10 | 9°33 | 29°55 | 3°29 | 6° 1 | 11°32 | 23°40 | 17° 8 | 23° 6 | 4°20 | 4°34 | 19° 9 | 17°35 | S 14 |
| M15 | 17 54 51 | 28°36'43 | 16°39 | 11°14 | 1♋ 9 | 4° 6 | 6° 9 | 11°36 | 23°39 | 17° 6 | 23° 5 | 4°19 | 4°31 | 19°15 | 17°37 | M15 |
| T 16 | 17 58 48 | 29°33'54 | 28°56 | 12°58 | 2°23 | 4°43 | 6°17 | 11°39 | 23°38 | 17° 4 | 23° 5 | 4°19 | 4°28 | 19°22 | 17°38 | T 16 |
| W17 | 18 2 44 | 0♋31'04 | 11♊ 2 | 14°46 | 3°36 | 5°20 | 6°25 | 11°43 | 23°37 | 17° 3 | 23° 4 | 4°18 | 4°25 | 19°29 | 17°40 | W17 |
| T 18 | 18 6 41 | 1°28'16 | 23° 1 | 16°37 | 4°50 | 5°57 | 6°34 | 11°46 | 23°36 | 17° 1 | 23° 4 | 4°18 | 4°22 | 19°35 | 17°41 | T 18 |
| F 19 | 18 10 37 | 2°25'27 | 4♋53 | 18°30 | 6° 4 | 6°34 | 6°42 | 11°49 | 23°35 | 17° 0 | 23° 4 | 4°D18 | 4°19 | 19°42 | 17°43 | F 19 |
| S 20 | 18 14 34 | 3°22'38 | 16°42 | 20°26 | 7°18 | 7°11 | 6°51 | 11°52 | 23°34 | 16°58 | 23° 4 | 4°18 | 4°15 | 19°49 | 17°44 | S 20 |
| S 21 | 18 18 30 | 4°19'50 | 28°29 | 22°25 | 8°32 | 7°49 | 6°59 | 11°55 | 23°32 | 16°57 | 23° 3 | 4°R18 | 4°12 | 19°55 | 17°45 | S 21 |
| M22 | 18 22 27 | 5°17'02 | 10♌17 | 24°26 | 9°46 | 8°26 | 7° 8 | 11°58 | 23°31 | 16°55 | 23° 3 | 4°18 | 4° 9 | 20° 2 | 17°47 | M22 |
| T 23 | 18 26 24 | 6°14'14 | 22° 9 | 26°29 | 10°59 | 9° 3 | 7°17 | 12° 1 | 23°30 | 16°54 | 23° 3 | 4°18 | 4° 6 | 20° 9 | 17°48 | T 23 |
| W24 | 18 30 20 | 7°11'27 | 4♍ 9 | 28°33 | 12°13 | 9°40 | 7°26 | 12° 3 | 23°28 | 16°52 | 23° 3 | 4°17 | 4° 3 | 20°15 | 17°49 | W24 |
| T 25 | 18 34 17 | 8° 8'39 | 16°20 | 0♋39 | 13°27 | 10°17 | 7°36 | 12° 6 | 23°27 | 16°51 | 23° 3 | 4°17 | 4° 0 | 20°22 | 17°50 | T 25 |
| F 26 | 18 38 13 | 9° 5'52 | 28°45 | 2°46 | 14°41 | 10°54 | 7°45 | 12° 8 | 23°25 | 16°49 | 23° 3 | 4°17 | 3°56 | 20°29 | 17°51 | F 26 |
| S 27 | 18 42 10 | 10° 3'04 | 11♎29 | 4°53 | 15°55 | 11°32 | 7°54 | 12°11 | 23°24 | 16°48 | 23° 3 | 4°D17 | 3°53 | 20°35 | 17°53 | S 27 |
| S 28 | 18 46 6 | 11° 0'17 | 24°35 | 7° 1 | 17° 9 | 12° 9 | 8° 4 | 12°13 | 23°22 | 16°46 | 23°D 3 | 4°17 | 3°50 | 20°42 | 17°54 | S 28 |
| M29 | 18 50 3 | 11°57'31 | 8♏ 6 | 9° 9 | 18°22 | 12°46 | 8°13 | 12°15 | 23°21 | 16°45 | 23° 3 | 4°17 | 3°47 | 20°49 | 17°54 | M29 |
| T 30 | 18 53 59 | 12♋54'44 | 22♏ 4 | 11♋18 | 19♋36 | 13♌24 | 8♍23 | 12♈17 | 23♒19 | 16♐43 | 23♎ 3 | 4♋18 | 3♋44 | 20♋55 | 17♈55 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 22n45 | 6s57 | 4n46 | 15n13 | 3s33 | 22n42 | 0n 6 | 22n28 | 1n20 | 11n 8 | 1n17 | 2n 3 | 2s23 | 14s21 | 0s45 | 21s39 | 1n19 | 6n29 | 16n45 | 23n30 | 23n28 | 23n30 | 8n37 | 1n59 |
| T 2 | 22 51 | 12 9 | 4 5 | 15 33 | 3 25 | 22 53 | 0 9 | 22 20 | 1 20 | 11 5 | 1 17 | 2 4 | 2 23 | 14 22 | 0 45 | 21 39 | 1 19 | 6 29 | 16 44 | 23 30 | 23 28 | 23 29 | 8 37 | 1 59 |
| W 3 | 22 57 | 16 49 | 3 7 | 15 55 | 3 17 | 23 3 | 0 11 | 22 13 | 1 19 | 11 3 | 1 17 | 2 6 | 2 24 | 14 22 | 0 45 | 21 39 | 1 19 | 6 29 | 16 44 | 23 30 | 23 28 | 23 29 | 8 38 | 1 59 |
| T 4 | 23 2 | 20 34 | 1 55 | 16 17 | 3 8 | 23 13 | 0 14 | 22 6 | 1 19 | 11 0 | 1 17 | 2 7 | 2 24 | 14 22 | 0 45 | 21 39 | 1 19 | 6 29 | 16 43 | 23 30 | 23 28 | 23 29 | 8 39 | 1 59 |
| F 5 | 23 7 | 22 58 | 0 35 | 16 41 | 2 59 | 23 22 | 0 16 | 21 58 | 1 19 | 10 57 | 1 17 | 2 9 | 2 24 | 14 22 | 0 45 | 21 39 | 1 19 | 6 29 | 16 43 | 23 30 | 23 28 | 23 29 | 8 40 | 1 59 |
| S 6 | 23 12 | 23 44 | 0s48 | 17 6 | 2 49 | 23 30 | 0 18 | 21 50 | 1 18 | 10 55 | 1 16 | 2 10 | 2 24 | 14 22 | 0 45 | 21 39 | 1 19 | 6 28 | 16 42 | 23 30 | 23 28 | 23 29 | 8 41 | 1 59 |
| S 7 | 23 16 | 22 46 | 2 7 | 17 32 | 2 39 | 23 37 | 0 21 | 21 42 | 1 18 | 10 52 | 1 16 | 2 12 | 2 25 | 14 23 | 0 45 | 21 39 | 1 19 | 6 28 | 16 42 | 23 30 | 23 29 | 23 29 | 8 42 | 1 59 |
| M 8 | 23 19 | 20 14 | 3 17 | 17 58 | 2 28 | 23 44 | 0 23 | 21 34 | 1 18 | 10 49 | 1 16 | 2 13 | 2 25 | 14 23 | 0 45 | 21 38 | 1 19 | 6 28 | 16 41 | 23 30 | 23 29 | 23 29 | 8 42 | 2 0 |
| T 9 | 23 23 | 16 29 | 4 13 | 18 25 | 2 17 | 23 50 | 0 25 | 21 26 | 1 18 | 10 46 | 1 16 | 2 14 | 2 25 | 14 23 | 0 45 | 21 38 | 1 19 | 6 28 | 16 41 | 23 30 | 23 29 | 23 29 | 8 43 | 2 0 |
| W10 | 23 25 | 11 53 | 4 52 | 18 53 | 2 6 | 23 56 | 0 27 | 21 18 | 1 17 | 10 43 | 1 16 | 2 16 | 2 25 | 14 24 | 0 45 | 21 38 | 1 19 | 6 27 | 16 40 | 23 30 | 23 29 | 23 29 | 8 44 | 2 0 |
| T 11 | 23 28 | 6 47 | 5 13 | 19 21 | 1 54 | 24 0 | 0 30 | 21 9 | 1 17 | 10 40 | 1 16 | 2 17 | 2 26 | 14 24 | 0 45 | 21 38 | 1 19 | 6 27 | 16 40 | 23 30 | 23 29 | 23 29 | 8 45 | 2 0 |
| F 12 | 23 30 | 1 30 | 5 16 | 19 48 | 1 42 | 24 4 | 0 32 | 21 0 | 1 17 | 10 37 | 1 15 | 2 18 | 2 26 | 14 24 | 0 45 | 21 38 | 1 19 | 6 27 | 16 39 | 23 30 | 23 29 | 23 29 | 8 45 | 2 0 |
| S 13 | 23 32 | 3n42 | 5 3 | 20 16 | 1 30 | 24 8 | 0 34 | 20 52 | 1 16 | 10 34 | 1 15 | 2 19 | 2 26 | 14 25 | 0 45 | 21 38 | 1 19 | 6 27 | 16 39 | 23 30 | 23 29 | 23 29 | 8 46 | 2 0 |
| S 14 | 23 33 | 8 39 | 4 35 | 20 43 | 1 18 | 24 10 | 0 36 | 20 43 | 1 16 | 10 31 | 1 15 | 2 21 | 2 26 | 14 25 | 0 45 | 21 38 | 1 19 | 6 26 | 16 38 | 23 30 | 23 29 | 23 29 | 8 47 | 2 0 |
| M15 | 23 34 | 13 9 | 3 55 | 21 10 | 1 6 | 24 12 | 0 38 | 20 34 | 1 16 | 10 28 | 1 15 | 2 22 | 2 27 | 14 25 | 0 45 | 21 38 | 1 19 | 6 26 | 16 38 | 23 30 | 23 29 | 23 29 | 8 47 | 2 0 |
| T 16 | 23 34 | 17 2 | 3 4 | 21 36 | 0 53 | 24 13 | 0 40 | 20 24 | 1 15 | 10 25 | 1 15 | 2 23 | 2 27 | 14 26 | 0 45 | 21 37 | 1 19 | 6 25 | 16 37 | 23 30 | 23 30 | 23 28 | 8 48 | 2 0 |
| W17 | 23 34 | 20 9 | 2 6 | 22 1 | 0 41 | 24 14 | 0 43 | 20 15 | 1 15 | 10 21 | 1 15 | 2 24 | 2 27 | 14 26 | 0 45 | 21 37 | 1 19 | 6 25 | 16 36 | 23 30 | 23 30 | 23 28 | 8 49 | 2 0 |
| T 18 | 23 34 | 22 21 | 1 2 | 22 25 | 0 29 | 24 13 | 0 45 | 20 6 | 1 15 | 10 18 | 1 14 | 2 25 | 2 27 | 14 26 | 0 45 | 21 37 | 1 19 | 6 25 | 16 36 | 23 30 | 23 30 | 23 28 | 8 49 | 2 0 |
| F 19 | 23 33 | 23 32 | 0n 3 | 22 48 | 0 17 | 24 12 | 0 47 | 19 56 | 1 15 | 10 15 | 1 14 | 2 26 | 2 28 | 14 27 | 0 45 | 21 37 | 1 19 | 6 24 | 16 35 | 23 30 | 23 30 | 23 28 | 8 50 | 2 0 |
| S 20 | 23 32 | 23 39 | 1 8 | 23 9 | 0 5 | 24 11 | 0 49 | 19 46 | 1 14 | 10 12 | 1 14 | 2 27 | 2 28 | 14 27 | 0 46 | 21 37 | 1 19 | 6 24 | 16 35 | 23 30 | 23 30 | 23 28 | 8 51 | 2 0 |
| S 21 | 23 30 | 22 42 | 2 10 | 23 28 | 0n 7 | 24 8 | 0 51 | 19 36 | 1 14 | 10 8 | 1 14 | 2 28 | 2 28 | 14 28 | 0 46 | 21 37 | 1 19 | 6 23 | 16 34 | 23 30 | 23 30 | 23 28 | 8 51 | 2 0 |
| M22 | 23 28 | 20 45 | 3 7 | 23 45 | 0 18 | 24 5 | 0 53 | 19 26 | 1 14 | 10 5 | 1 14 | 2 29 | 2 29 | 14 28 | 0 46 | 21 37 | 1 19 | 6 23 | 16 34 | 23 30 | 23 30 | 23 28 | 8 52 | 2 0 |
| T 23 | 23 25 | 17 55 | 3 56 | 24 0 | 0 28 | 24 1 | 0 54 | 19 16 | 1 13 | 10 1 | 1 14 | 2 29 | 2 29 | 14 29 | 0 46 | 21 36 | 1 19 | 6 22 | 16 33 | 23 30 | 23 30 | 23 28 | 8 52 | 2 0 |
| W24 | 23 22 | 14 18 | 4 35 | 24 12 | 0 39 | 23 56 | 0 56 | 19 6 | 1 13 | 9 58 | 1 14 | 2 30 | 2 29 | 14 29 | 0 46 | 21 36 | 1 19 | 6 22 | 16 32 | 23 30 | 23 30 | 23 27 | 8 53 | 2 0 |
| T 25 | 23 19 | 10 3 | 5 2 | 24 22 | 0 48 | 23 51 | 0 58 | 18 55 | 1 13 | 9 54 | 1 13 | 2 31 | 2 29 | 14 30 | 0 46 | 21 36 | 1 19 | 6 22 | 16 32 | 23 30 | 23 31 | 23 27 | 8 53 | 2 0 |
| F 26 | 23 15 | 5 20 | 5 16 | 24 30 | 0 57 | 23 45 | 1 0 | 18 45 | 1 12 | 9 50 | 1 13 | 2 32 | 2 30 | 14 30 | 0 46 | 21 36 | 1 19 | 6 21 | 16 31 | 23 30 | 23 31 | 23 27 | 8 54 | 2 0 |
| S 27 | 23 11 | 0 16 | 5 15 | 24 34 | 1 6 | 23 38 | 1 2 | 18 34 | 1 12 | 9 47 | 1 13 | 2 32 | 2 30 | 14 31 | 0 46 | 21 36 | 1 19 | 6 20 | 16 31 | 23 30 | 23 31 | 23 27 | 8 54 | 2 0 |
| S 28 | 23 7 | 4s57 | 4 58 | 24 36 | 1 13 | 23 30 | 1 3 | 18 23 | 1 12 | 9 43 | 1 13 | 2 33 | 2 30 | 14 31 | 0 46 | 21 36 | 1 19 | 6 20 | 16 30 | 23 30 | 23 31 | 23 27 | 8 54 | 2 0 |
| M29 | 23 2 | 10 7 | 4 24 | 24 35 | 1 20 | 23 22 | 1 5 | 18 12 | 1 11 | 9 39 | 1 13 | 2 34 | 2 30 | 14 32 | 0 46 | 21 36 | 1 19 | 6 19 | 16 30 | 23 30 | 23 31 | 23 26 | 8 55 | 2 0 |
| T 30 | 22n56 | 14s56 | 3n34 | 24n31 | 1n26 | 23n13 | 1n 6 | 18n 1 | 1n11 | 9n36 | 1n13 | 2n34 | 2s31 | 14s32 | 0s46 | 21s36 | 1n19 | 6n19 | 16n29 | 23n30 | 23n31 | 23n26 | 8n55 | 2n 0 |

Julian Day Number = 2084998.5, Delta T = 24m41s
Ecliptic obliquity = 23°34'08, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'10, Lahiri = 9°52'10 Julian Calendar 1 June 996 == Greg. Calendar 6 June 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## JULY 996 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 18 57 56 | 13♋51'58 | 6♐28 | 13♋25 | 20♋50 | 14♌ 1 | 8♍33 | 12♈19 | 23°R17 | 16°R42 | 23♎ 3 | 4♋19 | 3♋40 | 21♋ 2 | 17♈56 | W 1 |
| T 2 | 19 1 53 | 14°49'13 | 21°14 | 15°32 | 22° 4 | 14°38 | 8°42 | 12°21 | 23♒16 | 16♐41 | 23° 3 | 4°19 | 3°37 | 21° 8 | 17°57 | T 2 |
| F 3 | 19 5 49 | 15°46'28 | 6♑17 | 17°38 | 23°18 | 15°16 | 8°52 | 12°23 | 23°14 | 16°39 | 23° 3 | 4°R20 | 3°34 | 21°15 | 17°58 | F 3 |
| S 4 | 19 9 46 | 16°43'43 | 21°29 | 19°44 | 24°32 | 15°53 | 9° 2 | 12°24 | 23°12 | 16°38 | 23° 3 | 4°19 | 3°31 | 21°22 | 17°58 | S 4 |
| S 5 | 19 13 42 | 17°41'00 | 6♒40 | 21°48 | 25°46 | 16°31 | 9°13 | 12°26 | 23°10 | 16°37 | 23° 3 | 4°18 | 3°28 | 21°28 | 17°59 | S 5 |
| M 6 | 19 17 39 | 18°38'17 | 21°41 | 23°51 | 27° 0 | 17° 8 | 9°23 | 12°28 | 23° 9 | 16°35 | 23° 4 | 4°17 | 3°25 | 21°35 | 18° 0 | M 6 |
| T 7 | 19 21 35 | 19°35'35 | 6♓24 | 25°52 | 28°13 | 17°46 | 9°33 | 12°29 | 23° 7 | 16°34 | 23° 4 | 4°15 | 3°21 | 21°42 | 18° 0 | T 7 |
| W 8 | 19 25 32 | 20°32'54 | 20°43 | 27°52 | 29°27 | 18°23 | 9°43 | 12°30 | 23° 5 | 16°33 | 23° 4 | 4°13 | 3°18 | 21°48 | 18° 1 | W 8 |
| T 9 | 19 29 29 | 21°30'14 | 4♈36 | 29°51 | 0♌41 | 19° 1 | 9°54 | 12°31 | 23° 3 | 16°31 | 23° 5 | 4°12 | 3°15 | 21°55 | 18° 1 | T 9 |
| F 10 | 19 33 25 | 22°27'35 | 18° 1 | 1♌48 | 1°55 | 19°38 | 10° 4 | 12°32 | 23° 1 | 16°30 | 23° 5 | 4°D11 | 3°12 | 22° 2 | 18° 2 | F 10 |
| S 11 | 19 37 22 | 23°24'58 | 1♉ 2 | 3°43 | 3° 9 | 20°16 | 10°15 | 12°33 | 22°59 | 16°29 | 23° 5 | 4°11 | 3° 9 | 22° 8 | 18° 2 | S 11 |
| S 12 | 19 41 18 | 24°22'21 | 13°41 | 5°37 | 4°23 | 20°54 | 10°26 | 12°34 | 22°57 | 16°28 | 23° 6 | 4°12 | 3° 6 | 22°15 | 18° 2 | S 12 |
| M13 | 19 45 15 | 25°19'46 | 26° 2 | 7°30 | 5°37 | 21°31 | 10°36 | 12°35 | 22°55 | 16°27 | 23° 6 | 4°13 | 3° 2 | 22°22 | 18° 2 | M13 |
| T 14 | 19 49 11 | 26°17'13 | 8♊ 9 | 9°21 | 6°51 | 22° 9 | 10°47 | 12°36 | 22°53 | 16°25 | 23° 7 | 4°15 | 2°59 | 22°28 | 18° 2 | T 14 |
| W15 | 19 53 8 | 27°14'40 | 20° 6 | 11°10 | 8° 5 | 22°47 | 10°58 | 12°36 | 22°51 | 16°24 | 23° 8 | 4°16 | 2°56 | 22°35 | 18° 3 | W15 |
| T 16 | 19 57 4 | 28°12'09 | 1♋57 | 12°57 | 9°19 | 23°25 | 11° 9 | 12°37 | 22°49 | 16°23 | 23° 8 | 4°R17 | 2°53 | 22°42 | 18°R 3 | T 16 |
| F 17 | 20 1 1 | 29° 9'39 | 13°45 | 14°43 | 10°33 | 24° 2 | 11°20 | 12°37 | 22°47 | 16°22 | 23° 9 | 4°17 | 2°50 | 22°48 | 18° 3 | F 17 |
| S 18 | 20 4 58 | 0♌ 7'10 | 25°32 | 16°28 | 11°47 | 24°40 | 11°31 | 12°37 | 22°45 | 16°21 | 23° 9 | 4°15 | 2°46 | 22°55 | 18° 3 | S 18 |
| S 19 | 20 8 54 | 1° 4'42 | 7♌21 | 18°10 | 13° 1 | 25°18 | 11°42 | 12°37 | 22°42 | 16°20 | 23°10 | 4°12 | 2°43 | 23° 2 | 18° 2 | S 19 |
| M20 | 20 12 51 | 2° 2'15 | 19°14 | 19°52 | 14°15 | 25°56 | 11°54 | 12°R37 | 22°40 | 16°19 | 23°11 | 4° 8 | 2°40 | 23° 8 | 18° 2 | M20 |
| T 21 | 20 16 47 | 2°59'50 | 1♍13 | 21°32 | 15°29 | 26°34 | 12° 5 | 12°37 | 22°38 | 16°18 | 23°12 | 4° 3 | 2°37 | 23°15 | 18° 2 | T 21 |
| W22 | 20 20 44 | 3°57'25 | 13°19 | 23°10 | 16°43 | 27°12 | 12°16 | 12°37 | 22°36 | 16°17 | 23°12 | 3°58 | 2°34 | 23°22 | 18° 2 | W22 |
| T 23 | 20 24 40 | 4°55'02 | 25°36 | 24°46 | 17°57 | 27°50 | 12°28 | 12°37 | 22°34 | 16°16 | 23°13 | 3°54 | 2°31 | 23°28 | 18° 1 | T 23 |
| F 24 | 20 28 37 | 5°52'39 | 8♎ 6 | 26°22 | 19°11 | 28°28 | 12°39 | 12°36 | 22°31 | 16°15 | 23°14 | 3°50 | 2°27 | 23°35 | 18° 1 | F 24 |
| S 25 | 20 32 33 | 6°50'18 | 20°51 | 27°55 | 20°25 | 29° 6 | 12°51 | 12°36 | 22°29 | 16°14 | 23°15 | 3°47 | 2°24 | 23°42 | 18° 1 | S 25 |
| S 26 | 20 36 30 | 7°47'58 | 3♏54 | 29°27 | 21°39 | 29°44 | 13° 3 | 12°35 | 22°27 | 16°13 | 23°16 | 3°D46 | 2°21 | 23°48 | 18° 0 | S 26 |
| M27 | 20 40 27 | 8°45'38 | 17°18 | 0♍58 | 22°53 | 0♍22 | 13°14 | 12°35 | 22°24 | 16°13 | 23°17 | 3°46 | 2°18 | 23°55 | 18° 0 | M27 |
| T 28 | 20 44 23 | 9°43'20 | 1♐ 5 | 2°27 | 24° 7 | 1° 0 | 13°26 | 12°34 | 22°22 | 16°12 | 23°18 | 3°47 | 2°15 | 24° 1 | 17°59 | T 28 |
| W29 | 20 48 20 | 10°41'03 | 15°16 | 3°54 | 25°21 | 1°39 | 13°38 | 12°33 | 22°20 | 16°11 | 23°19 | 3°49 | 2°12 | 24° 8 | 17°58 | W29 |
| T 30 | 20 52 16 | 11°38'48 | 29°49 | 5°20 | 26°35 | 2°17 | 13°50 | 12°32 | 22°17 | 16°10 | 23°20 | 3°R50 | 2° 8 | 24°15 | 17°58 | T 30 |
| F 31 | 20 56 13 | 12♌36'33 | 14♑42 | 6♍45 | 27♌49 | 2♍55 | 14♍ 2 | 12♈31 | 22♒15 | 16♐ 9 | 23♎21 | 3♋49 | 2♋ 5 | 24♋21 | 17♈57 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n51 | 19s 4 | 2n29 | 24n24 | 1n32 | 23n 4 | 1n 8 | 17n50 | 1n11 | 9n32 | 1n13 | 2n35 | 2s31 | 14s33 | 0s46 | 21s36 | 1n19 | 6n18 | 16n28 | 23n30 | 23n31 | 23n26 | 8n56 | 2n 0 |
| T 2 | 22 44 | 22 5 | 1 12 | 24 15 | 1 36 | 22 54 | 1 9 | 17 39 | 1 10 | 9 28 | 1 12 | 2 35 | 2 31 | 14 34 | 0 46 | 21 35 | 1 19 | 6 18 | 16 28 | 23 30 | 23 31 | 23 26 | 8 56 | 2 1 |
| F 3 | 22 38 | 23 36 | 0s11 | 24 3 | 1 40 | 22 43 | 1 11 | 17 28 | 1 10 | 9 24 | 1 12 | 2 36 | 2 32 | 14 34 | 0 46 | 21 35 | 1 19 | 6 17 | 16 27 | 23 30 | 23 31 | 23 26 | 8 56 | 2 1 |
| S 4 | 22 31 | 23 23 | 1 34 | 23 49 | 1 43 | 22 31 | 1 12 | 17 16 | 1 10 | 9 20 | 1 12 | 2 36 | 2 32 | 14 35 | 0 46 | 21 35 | 1 19 | 6 16 | 16 27 | 23 30 | 23 31 | 23 25 | 8 57 | 2 1 |
| S 5 | 22 24 | 21 27 | 2 50 | 23 32 | 1 45 | 22 19 | 1 14 | 17 4 | 1 9 | 9 16 | 1 12 | 2 36 | 2 32 | 14 35 | 0 46 | 21 35 | 1 19 | 6 16 | 16 26 | 23 30 | 23 31 | 23 25 | 8 57 | 2 1 |
| M 6 | 22 16 | 18 2 | 3 53 | 23 13 | 1 47 | 22 6 | 1 15 | 16 53 | 1 9 | 9 12 | 1 12 | 2 37 | 2 32 | 14 36 | 0 46 | 21 35 | 1 19 | 6 15 | 16 25 | 23 30 | 23 31 | 23 25 | 8 57 | 2 1 |
| T 7 | 22 8 | 13 32 | 4 40 | 22 51 | 1 48 | 21 52 | 1 16 | 16 41 | 1 9 | 9 8 | 1 12 | 2 37 | 2 33 | 14 37 | 0 46 | 21 35 | 1 19 | 6 15 | 16 25 | 23 30 | 23 32 | 23 25 | 8 57 | 2 1 |
| W 8 | 21 59 | 8 24 | 5 8 | 22 28 | 1 48 | 21 38 | 1 17 | 16 29 | 1 8 | 9 4 | 1 12 | 2 37 | 2 33 | 14 37 | 0 46 | 21 35 | 1 19 | 6 14 | 16 24 | 23 30 | 23 32 | 23 24 | 8 58 | 2 1 |
| T 9 | 21 50 | 3 0 | 5 16 | 22 3 | 1 48 | 21 23 | 1 18 | 16 17 | 1 8 | 9 0 | 1 12 | 2 37 | 2 33 | 14 38 | 0 46 | 21 35 | 1 19 | 6 13 | 16 24 | 23 30 | 23 32 | 23 24 | 8 58 | 2 1 |
| F 10 | 21 41 | 2n22 | 5 7 | 21 36 | 1 47 | 21 8 | 1 19 | 16 5 | 1 8 | 8 56 | 1 11 | 2 38 | 2 34 | 14 39 | 0 46 | 21 35 | 1 19 | 6 12 | 16 23 | 23 30 | 23 32 | 23 24 | 8 58 | 2 1 |
| S 11 | 21 32 | 7 29 | 4 42 | 21 8 | 1 45 | 20 52 | 1 20 | 15 52 | 1 7 | 8 52 | 1 11 | 2 38 | 2 34 | 14 39 | 0 46 | 21 35 | 1 19 | 6 12 | 16 22 | 23 30 | 23 32 | 23 24 | 8 58 | 2 1 |
| S 12 | 21 22 | 12 9 | 4 4 | 20 38 | 1 43 | 20 35 | 1 21 | 15 40 | 1 7 | 8 48 | 1 11 | 2 38 | 2 34 | 14 40 | 0 46 | 21 35 | 1 18 | 6 11 | 16 22 | 23 30 | 23 32 | 23 23 | 8 58 | 2 1 |
| M13 | 21 11 | 16 12 | 3 16 | 20 7 | 1 41 | 20 18 | 1 22 | 15 27 | 1 7 | 8 44 | 1 11 | 2 38 | 2 34 | 14 41 | 0 46 | 21 34 | 1 18 | 6 10 | 16 21 | 23 30 | 23 32 | 23 23 | 8 59 | 2 1 |
| T 14 | 21 1 | 19 30 | 2 19 | 19 35 | 1 37 | 20 0 | 1 23 | 15 15 | 1 6 | 8 39 | 1 11 | 2 38 | 2 35 | 14 41 | 0 46 | 21 34 | 1 18 | 6 10 | 16 21 | 23 30 | 23 32 | 23 23 | 8 59 | 2 1 |
| W15 | 20 49 | 21 55 | 1 17 | 19 1 | 1 34 | 19 42 | 1 24 | 15 2 | 1 6 | 8 35 | 1 11 | 2 38 | 2 35 | 14 42 | 0 46 | 21 34 | 1 18 | 6 9 | 16 20 | 23 30 | 23 32 | 23 23 | 8 59 | 2 1 |
| T 16 | 20 38 | 23 20 | 0 13 | 18 27 | 1 29 | 19 23 | 1 24 | 14 49 | 1 5 | 8 31 | 1 11 | 2 38 | 2 35 | 14 43 | 0 46 | 21 34 | 1 18 | 6 8 | 16 20 | 23 30 | 23 32 | 23 22 | 8 59 | 2 1 |
| F 17 | 20 26 | 23 43 | 0n52 | 17 51 | 1 25 | 19 3 | 1 25 | 14 36 | 1 5 | 8 26 | 1 11 | 2 37 | 2 36 | 14 43 | 0 46 | 21 34 | 1 18 | 6 7 | 16 19 | 23 30 | 23 32 | 23 22 | 8 59 | 2 1 |
| S 18 | 20 14 | 23 1 | 1 54 | 17 15 | 1 20 | 18 43 | 1 26 | 14 23 | 1 5 | 8 22 | 1 11 | 2 37 | 2 36 | 14 44 | 0 46 | 21 34 | 1 18 | 6 7 | 16 18 | 23 30 | 23 32 | 23 22 | 8 59 | 2 1 |
| S 19 | 20 2 | 21 18 | 2 52 | 16 39 | 1 14 | 18 23 | 1 26 | 14 10 | 1 4 | 8 18 | 1 10 | 2 37 | 2 36 | 14 45 | 0 46 | 21 34 | 1 18 | 6 6 | 16 18 | 23 30 | 23 32 | 23 21 | 8 59 | 2 1 |
| M20 | 19 49 | 18 39 | 3 42 | 16 1 | 1 9 | 18 1 | 1 27 | 13 57 | 1 4 | 8 13 | 1 10 | 2 37 | 2 36 | 14 46 | 0 46 | 21 34 | 1 18 | 6 5 | 16 17 | 23 30 | 23 33 | 23 21 | 8 59 | 2 1 |
| T 21 | 19 36 | 15 12 | 4 23 | 15 23 | 1 3 | 17 40 | 1 27 | 13 43 | 1 4 | 8 9 | 1 10 | 2 37 | 2 37 | 14 46 | 0 46 | 21 34 | 1 18 | 6 4 | 16 17 | 23 30 | 23 33 | 23 21 | 8 59 | 2 1 |
| W22 | 19 22 | 11 5 | 4 53 | 14 45 | 0 56 | 17 18 | 1 27 | 13 30 | 1 3 | 8 4 | 1 10 | 2 36 | 2 37 | 14 47 | 0 46 | 21 34 | 1 18 | 6 3 | 16 16 | 23 31 | 23 33 | 23 20 | 8 59 | 2 1 |
| T 23 | 19 8 | 6 29 | 5 9 | 14 7 | 0 49 | 16 55 | 1 27 | 13 16 | 1 3 | 8 0 | 1 10 | 2 36 | 2 37 | 14 48 | 0 46 | 21 34 | 1 18 | 6 3 | 16 16 | 23 31 | 23 33 | 23 20 | 8 59 | 2 2 |
| F 24 | 18 54 | 1 32 | 5 12 | 13 28 | 0 42 | 16 32 | 1 28 | 13 3 | 1 3 | 7 55 | 1 10 | 2 35 | 2 38 | 14 49 | 0 46 | 21 34 | 1 18 | 6 2 | 16 15 | 23 31 | 23 33 | 23 20 | 8 59 | 2 2 |
| S 25 | 18 40 | 3s34 | 4 59 | 12 48 | 0 35 | 16 9 | 1 28 | 12 49 | 1 2 | 7 51 | 1 10 | 2 35 | 2 38 | 14 49 | 0 46 | 21 34 | 1 18 | 6 1 | 16 14 | 23 31 | 23 33 | 23 19 | 8 58 | 2 2 |
| S 26 | 18 25 | 8 39 | 4 30 | 12 9 | 0 27 | 15 45 | 1 28 | 12 35 | 1 2 | 7 46 | 1 10 | 2 34 | 2 38 | 14 50 | 0 46 | 21 34 | 1 18 | 6 0 | 16 14 | 23 31 | 23 33 | 23 19 | 8 58 | 2 2 |
| M27 | 18 10 | 13 28 | 3 47 | 11 30 | 0 19 | 15 21 | 1 28 | 12 21 | 1 1 | 7 42 | 1 10 | 2 34 | 2 38 | 14 51 | 0 46 | 21 34 | 1 18 | 5 59 | 16 13 | 23 31 | 23 33 | 23 19 | 8 58 | 2 2 |
| T 28 | 17 55 | 17 44 | 2 49 | 10 50 | 0 11 | 14 56 | 1 28 | 12 7 | 1 1 | 7 37 | 1 10 | 2 33 | 2 39 | 14 52 | 0 46 | 21 34 | 1 18 | 5 58 | 16 13 | 23 31 | 23 33 | 23 18 | 8 58 | 2 2 |
| W29 | 17 39 | 21 6 | 1 40 | 10 11 | 0 3 | 14 31 | 1 28 | 11 53 | 1 1 | 7 32 | 1 10 | 2 33 | 2 39 | 14 53 | 0 46 | 21 33 | 1 18 | 5 57 | 16 12 | 23 31 | 23 33 | 23 18 | 8 58 | 2 2 |
| T 30 | 17 23 | 23 12 | 0 22 | 9 31 | 0s 5 | 14 5 | 1 27 | 11 39 | 1 0 | 7 28 | 1 10 | 2 32 | 2 39 | 14 53 | 0 46 | 21 33 | 1 18 | 5 56 | 16 12 | 23 31 | 23 33 | 23 18 | 8 57 | 2 2 |
| F 31 | 17n 7 | 23s44 | 0s59 | 8n52 | 0s14 | 13n39 | 1n27 | 11n25 | 1n 0 | 7n23 | 1n 9 | 2n31 | 2s39 | 14s54 | 0s46 | 21s33 | 1n18 | 5n56 | 16n11 | 23n31 | 23n33 | 23n17 | 8n57 | 2n 2 |

Julian Day Number = 2085028.5, Delta T = 24m40s
Ecliptic obliquity = 23°34'08, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'14, Lahiri = 9°52'14 Julian Calendar 1 July 996 == Greg. Calendar 6 July 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## AUGUST 996 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 21 0 9 | 13♌34'20 | 29♉48 | 8♍ 7 | 29♌ 3 | 3♍33 | 14♍14 | 12°R29 | 22°R13 | 16°R 9 | 23♎22 | 3°R47 | 2♋ 2 | 24♋28 | 17°R56 | S 1 |
| S 2 | 21 4 6 | 14°32'08 | 14♒59 | 9°28 | 0♍17 | 4°12 | 14°26 | 12♈28 | 22♒10 | 16♐ 8 | 23°23 | 3♋43 | 1°59 | 24°35 | 17♈55 | S 2 |
| M 3 | 21 8 2 | 15°29'58 | 0♓ 4 | 10°48 | 1°31 | 4°50 | 14°38 | 12°27 | 22° 8 | 16° 7 | 23°25 | 3°38 | 1°56 | 24°41 | 17°54 | M 3 |
| T 4 | 21 11 59 | 16°27'49 | 14°54 | 12° 5 | 2°45 | 5°28 | 14°50 | 12°25 | 22° 6 | 16° 7 | 23°26 | 3°31 | 1°52 | 24°48 | 17°53 | T 4 |
| W 5 | 21 15 56 | 17°25'42 | 29°22 | 13°21 | 3°59 | 6° 7 | 15° 2 | 12°23 | 22° 3 | 16° 6 | 23°27 | 3°25 | 1°49 | 24°55 | 17°52 | W 5 |
| T 6 | 21 19 52 | 18°23'37 | 13♈23 | 14°35 | 5°13 | 6°45 | 15°14 | 12°22 | 22° 1 | 16° 6 | 23°28 | 3°19 | 1°46 | 25° 1 | 17°51 | T 6 |
| F 7 | 21 23 49 | 19°21'34 | 26°55 | 15°47 | 6°27 | 7°24 | 15°26 | 12°20 | 21°58 | 16° 5 | 23°30 | 3°15 | 1°43 | 25° 8 | 17°50 | F 7 |
| S 8 | 21 27 45 | 20°19'32 | 9♉59 | 16°57 | 7°41 | 8° 2 | 15°39 | 12°18 | 21°56 | 16° 5 | 23°31 | 3°13 | 1°40 | 25°15 | 17°49 | S 8 |
| S 9 | 21 31 42 | 21°17'33 | 22°38 | 18° 5 | 8°55 | 8°41 | 15°51 | 12°16 | 21°54 | 16° 4 | 23°32 | 3°D12 | 1°37 | 25°21 | 17°48 | S 9 |
| M10 | 21 35 38 | 22°15'35 | 4♊57 | 19°11 | 10° 9 | 9°19 | 16° 3 | 12°14 | 21°51 | 16° 4 | 23°34 | 3°13 | 1°33 | 25°28 | 17°47 | M10 |
| T 11 | 21 39 35 | 23°13'40 | 17° 0 | 20°15 | 11°23 | 9°58 | 16°16 | 12°12 | 21°49 | 16° 3 | 23°35 | 3°14 | 1°30 | 25°35 | 17°45 | T 11 |
| W12 | 21 43 31 | 24°11'46 | 28°54 | 21°16 | 12°37 | 10°37 | 16°28 | 12° 9 | 21°46 | 16° 3 | 23°37 | 3°R15 | 1°27 | 25°41 | 17°44 | W12 |
| T 13 | 21 47 28 | 25° 9'55 | 10♋42 | 22°14 | 13°51 | 11°15 | 16°41 | 12° 7 | 21°44 | 16° 3 | 23°38 | 3°15 | 1°24 | 25°48 | 17°43 | T 13 |
| F 14 | 21 51 25 | 26° 8'05 | 22°28 | 23°10 | 15° 5 | 11°54 | 16°53 | 12° 4 | 21°42 | 16° 2 | 23°40 | 3°13 | 1°21 | 25°55 | 17°41 | F 14 |
| S 15 | 21 55 21 | 27° 6'17 | 4♌17 | 24° 3 | 16°19 | 12°33 | 17° 6 | 12° 2 | 21°39 | 16° 2 | 23°41 | 3° 9 | 1°18 | 26° 1 | 17°40 | S 15 |
| S 16 | 21 59 18 | 28° 4'31 | 16°11 | 24°53 | 17°33 | 13°12 | 17°18 | 11°59 | 21°37 | 16° 2 | 23°43 | 3° 2 | 1°14 | 26° 8 | 17°38 | S 16 |
| M17 | 22 3 14 | 29° 2'47 | 28°13 | 25°40 | 18°47 | 13°50 | 17°31 | 11°56 | 21°34 | 16° 2 | 23°44 | 2°53 | 1°11 | 26°15 | 17°37 | M17 |
| T 18 | 22 7 11 | 0♍ 1'05 | 10♍22 | 26°23 | 20° 1 | 14°29 | 17°44 | 11°54 | 21°32 | 16° 2 | 23°46 | 2°43 | 1° 8 | 26°21 | 17°35 | T 18 |
| W19 | 22 11 7 | 0°59'25 | 22°42 | 27° 2 | 21°15 | 15° 8 | 17°56 | 11°51 | 21°30 | 16° 1 | 23°48 | 2°32 | 1° 5 | 26°28 | 17°33 | W19 |
| T 20 | 22 15 4 | 1°57'46 | 5♎12 | 27°38 | 22°29 | 15°47 | 18° 9 | 11°48 | 21°27 | 16° 1 | 23°49 | 2°21 | 1° 2 | 26°35 | 17°32 | T 20 |
| F 21 | 22 19 0 | 2°56'09 | 17°53 | 28° 9 | 23°43 | 16°26 | 18°22 | 11°44 | 21°25 | 16° 1 | 23°51 | 2°12 | 0°58 | 26°41 | 17°30 | F 21 |
| S 22 | 22 22 57 | 3°54'34 | 0♏47 | 28°35 | 24°57 | 17° 5 | 18°34 | 11°41 | 21°23 | 16° 1 | 23°53 | 2° 6 | 0°55 | 26°48 | 17°28 | S 22 |
| S 23 | 22 26 53 | 4°53'00 | 13°55 | 28°57 | 26°10 | 17°44 | 18°47 | 11°38 | 21°20 | 16°D 1 | 23°54 | 2° 1 | 0°52 | 26°55 | 17°26 | S 23 |
| M24 | 22 30 50 | 5°51'28 | 27°18 | 29°13 | 27°24 | 18°23 | 19° 0 | 11°35 | 21°18 | 16° 1 | 23°56 | 1°59 | 0°49 | 27° 1 | 17°24 | M24 |
| T 25 | 22 34 47 | 6°49'58 | 10♐58 | 29°24 | 28°38 | 19° 2 | 19°13 | 11°31 | 21°16 | 16° 1 | 23°58 | 1°D59 | 0°46 | 27° 8 | 17°22 | T 25 |
| W26 | 22 38 43 | 7°48'30 | 24°56 | 29°R29 | 29°52 | 19°42 | 19°26 | 11°28 | 21°14 | 16° 1 | 24° 0 | 2°R 0 | 0°43 | 27°15 | 17°20 | W26 |
| T 27 | 22 42 40 | 8°47'03 | 9♑13 | 29°27 | 1♎ 6 | 20°21 | 19°39 | 11°24 | 21°11 | 16° 1 | 24° 2 | 2° 0 | 0°39 | 27°21 | 17°18 | T 27 |
| F 28 | 22 46 36 | 9°45'38 | 23°47 | 29°19 | 2°20 | 21° 0 | 19°51 | 11°20 | 21° 9 | 16° 2 | 24° 4 | 1°58 | 0°36 | 27°28 | 17°16 | F 28 |
| S 29 | 22 50 33 | 10°44'14 | 8♒34 | 29° 4 | 3°34 | 21°39 | 20° 4 | 11°17 | 21° 7 | 16° 2 | 24° 5 | 1°54 | 0°33 | 27°35 | 17°14 | S 29 |
| S 30 | 22 54 29 | 11°42'53 | 23°29 | 28°43 | 4°48 | 22°18 | 20°17 | 11°13 | 21° 5 | 16° 2 | 24° 7 | 1°47 | 0°30 | 27°41 | 17°12 | S 30 |
| M31 | 22 58 26 | 12♍41'33 | 8♓22 | 28♍13 | 6♎ 2 | 22♍58 | 20♍30 | 11♈ 9 | 21♒ 2 | 16♐ 2 | 24♎ 9 | 1♋38 | 0♋27 | 27♋48 | 17♈10 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 16n50 | 22s32 | 2s17 | 8n13 | 0s23 | 13n13 | 1n27 | 11n11 | 0n59 | 7n18 | 1n 9 | 2n31 | 2s40 | 14s55 | 0s46 | 21s33 | 1n18 | 5n55 | 16n11 | 23n31 | 23n33 | 23n17 | 8n57 | 2n 2 | S 1 |
| S 2 | 16 34 | 19 41 | 3 25 | 7 34 | 0 32 | 12 47 | 1 26 | 10 56 | 0 59 | 7 14 | 1 9 | 2 30 | 2 40 | 14 56 | 0 46 | 21 33 | 1 18 | 5 54 | 16 10 | 23 31 | 23 33 | 23 16 | 8 57 | 2 2 | S 2 |
| M 3 | 16 17 | 15 32 | 4 18 | 6 56 | 0 41 | 12 20 | 1 26 | 10 42 | 0 59 | 7 9 | 1 9 | 2 29 | 2 40 | 14 56 | 0 46 | 21 33 | 1 18 | 5 53 | 16 9 | 23 31 | 23 33 | 23 16 | 8 56 | 2 2 | M 3 |
| T 4 | 15 59 | 10 29 | 4 53 | 6 18 | 0 50 | 11 52 | 1 25 | 10 27 | 0 58 | 7 4 | 1 9 | 2 28 | 2 41 | 14 57 | 0 46 | 21 33 | 1 18 | 5 52 | 16 9 | 23 31 | 23 33 | 23 16 | 8 56 | 2 2 | T 4 |
| W 5 | 15 42 | 4 58 | 5 8 | 5 40 | 0 59 | 11 25 | 1 24 | 10 13 | 0 58 | 6 59 | 1 9 | 2 27 | 2 41 | 14 58 | 0 46 | 21 33 | 1 17 | 5 51 | 16 8 | 23 31 | 23 33 | 23 15 | 8 56 | 2 2 | W 5 |
| T 6 | 15 24 | 0n38 | 5 5 | 5 3 | 1 8 | 10 57 | 1 24 | 9 58 | 0 58 | 6 55 | 1 9 | 2 26 | 2 41 | 14 59 | 0 46 | 21 33 | 1 17 | 5 50 | 16 8 | 23 32 | 23 33 | 23 15 | 8 55 | 2 2 | T 6 |
| F 7 | 15 6 | 6 1 | 4 44 | 4 26 | 1 18 | 10 29 | 1 23 | 9 43 | 0 57 | 6 50 | 1 9 | 2 26 | 2 41 | 15 0 | 0 46 | 21 33 | 1 17 | 5 49 | 16 7 | 23 32 | 23 33 | 23 14 | 8 55 | 2 2 | F 7 |
| S 8 | 14 47 | 10 58 | 4 8 | 3 50 | 1 27 | 10 0 | 1 22 | 9 29 | 0 57 | 6 45 | 1 9 | 2 25 | 2 42 | 15 0 | 0 46 | 21 33 | 1 17 | 5 48 | 16 7 | 23 32 | 23 34 | 23 14 | 8 54 | 2 2 | S 8 |
| S 9 | 14 29 | 15 17 | 3 22 | 3 15 | 1 37 | 9 32 | 1 21 | 9 14 | 0 56 | 6 40 | 1 9 | 2 23 | 2 42 | 15 1 | 0 46 | 21 33 | 1 17 | 5 47 | 16 6 | 23 32 | 23 34 | 23 13 | 8 54 | 2 2 | S 9 |
| M10 | 14 10 | 18 50 | 2 27 | 2 41 | 1 46 | 9 3 | 1 20 | 8 59 | 0 56 | 6 35 | 1 9 | 2 22 | 2 42 | 15 2 | 0 46 | 21 33 | 1 17 | 5 46 | 16 6 | 23 32 | 23 34 | 23 13 | 8 54 | 2 2 | M10 |
| T 11 | 13 51 | 21 30 | 1 27 | 2 7 | 1 56 | 8 33 | 1 19 | 8 44 | 0 56 | 6 30 | 1 9 | 2 21 | 2 42 | 15 3 | 0 46 | 21 33 | 1 17 | 5 45 | 16 5 | 23 32 | 23 34 | 23 12 | 8 53 | 2 2 | T 11 |
| W12 | 13 32 | 23 10 | 0 24 | 1 34 | 2 5 | 8 4 | 1 18 | 8 29 | 0 55 | 6 25 | 1 9 | 2 20 | 2 43 | 15 3 | 0 46 | 21 33 | 1 17 | 5 44 | 16 5 | 23 32 | 23 34 | 23 12 | 8 53 | 2 2 | W12 |
| T 13 | 13 12 | 23 48 | 0n40 | 1 2 | 2 14 | 7 34 | 1 17 | 8 13 | 0 55 | 6 20 | 1 9 | 2 19 | 2 43 | 15 4 | 0 46 | 21 33 | 1 17 | 5 43 | 16 4 | 23 32 | 23 34 | 23 12 | 8 52 | 2 2 | T 13 |
| F 14 | 12 52 | 23 21 | 1 42 | 0 32 | 2 24 | 7 4 | 1 16 | 7 58 | 0 54 | 6 16 | 1 9 | 2 18 | 2 43 | 15 5 | 0 46 | 21 33 | 1 17 | 5 42 | 16 4 | 23 32 | 23 34 | 23 11 | 8 52 | 2 2 | F 14 |
| S 15 | 12 33 | 21 52 | 2 39 | 0 2 | 2 33 | 6 34 | 1 14 | 7 43 | 0 54 | 6 11 | 1 9 | 2 17 | 2 43 | 15 6 | 0 46 | 21 33 | 1 17 | 5 41 | 16 3 | 23 32 | 23 34 | 23 11 | 8 51 | 2 2 | S 15 |
| S 16 | 12 12 | 19 24 | 3 29 | 0s26 | 2 42 | 6 4 | 1 13 | 7 28 | 0 53 | 6 6 | 1 9 | 2 15 | 2 44 | 15 7 | 0 46 | 21 33 | 1 17 | 5 40 | 16 3 | 23 32 | 23 34 | 23 10 | 8 50 | 2 2 | S 16 |
| M17 | 11 52 | 16 5 | 4 11 | 0 52 | 2 51 | 5 34 | 1 12 | 7 12 | 0 53 | 6 1 | 1 9 | 2 14 | 2 44 | 15 7 | 0 46 | 21 33 | 1 17 | 5 39 | 16 2 | 23 32 | 23 34 | 23 10 | 8 50 | 2 2 | M17 |
| T 18 | 11 32 | 12 3 | 4 42 | 1 18 | 2 59 | 5 3 | 1 10 | 6 57 | 0 53 | 5 56 | 1 9 | 2 13 | 2 44 | 15 8 | 0 46 | 21 33 | 1 17 | 5 38 | 16 2 | 23 32 | 23 34 | 23 9 | 8 49 | 2 2 | T 18 |
| W19 | 11 11 | 7 30 | 5 0 | 1 41 | 3 8 | 4 32 | 1 9 | 6 41 | 0 52 | 5 51 | 1 9 | 2 11 | 2 44 | 15 9 | 0 46 | 21 34 | 1 17 | 5 37 | 16 1 | 23 33 | 23 34 | 23 9 | 8 49 | 2 2 | W19 |
| T 20 | 10 50 | 2 34 | 5 4 | 2 2 | 3 16 | 4 2 | 1 7 | 6 26 | 0 52 | 5 46 | 1 8 | 2 10 | 2 44 | 15 10 | 0 46 | 21 34 | 1 17 | 5 36 | 16 1 | 23 33 | 23 34 | 23 8 | 8 48 | 2 2 | T 20 |
| F 21 | 10 29 | 2s33 | 4 53 | 2 22 | 3 23 | 3 31 | 1 5 | 6 10 | 0 51 | 5 41 | 1 8 | 2 9 | 2 45 | 15 10 | 0 46 | 21 34 | 1 17 | 5 35 | 16 1 | 23 33 | 23 34 | 23 8 | 8 47 | 2 2 | F 21 |
| S 22 | 10 8 | 7 38 | 4 27 | 2 39 | 3 30 | 3 0 | 1 4 | 5 54 | 0 51 | 5 35 | 1 8 | 2 7 | 2 45 | 15 11 | 0 46 | 21 34 | 1 17 | 5 34 | 16 0 | 23 33 | 23 34 | 23 7 | 8 47 | 2 2 | S 22 |
| S 23 | 9 46 | 12 29 | 3 47 | 2 54 | 3 37 | 2 29 | 1 2 | 5 39 | 0 50 | 5 30 | 1 8 | 2 6 | 2 45 | 15 12 | 0 46 | 21 34 | 1 17 | 5 33 | 16 0 | 23 33 | 23 34 | 23 7 | 8 46 | 2 3 | S 23 |
| M24 | 9 25 | 16 50 | 2 54 | 3 6 | 3 43 | 1 57 | 1 0 | 5 23 | 0 50 | 5 25 | 1 8 | 2 4 | 2 45 | 15 13 | 0 46 | 21 34 | 1 17 | 5 32 | 15 59 | 23 33 | 23 34 | 23 6 | 8 45 | 2 3 | M24 |
| T 25 | 9 3 | 20 24 | 1 50 | 3 15 | 3 48 | 1 26 | 0 58 | 5 7 | 0 50 | 5 20 | 1 8 | 2 3 | 2 45 | 15 13 | 0 46 | 21 34 | 1 16 | 5 31 | 15 59 | 23 33 | 23 34 | 23 6 | 8 44 | 2 3 | T 25 |
| W26 | 8 41 | 22 51 | 0 38 | 3 21 | 3 53 | 0 55 | 0 56 | 4 51 | 0 49 | 5 15 | 1 8 | 2 1 | 2 46 | 15 14 | 0 46 | 21 34 | 1 16 | 5 30 | 15 58 | 23 33 | 23 34 | 23 5 | 8 44 | 2 3 | W26 |
| T 27 | 8 19 | 23 53 | 0s38 | 3 24 | 3 56 | 0 23 | 0 54 | 4 35 | 0 49 | 5 10 | 1 8 | 2 0 | 2 46 | 15 15 | 0 46 | 21 34 | 1 16 | 5 29 | 15 58 | 23 33 | 23 34 | 23 4 | 8 43 | 2 3 | T 27 |
| F 28 | 7 57 | 23 19 | 1 53 | 3 23 | 3 59 | 0s 8 | 0 52 | 4 20 | 0 48 | 5 5 | 1 8 | 1 58 | 2 46 | 15 15 | 0 46 | 21 34 | 1 16 | 5 28 | 15 58 | 23 33 | 23 34 | 23 4 | 8 42 | 2 3 | F 28 |
| S 29 | 7 35 | 21 8 | 3 1 | 3 18 | 4 0 | 0 40 | 0 50 | 4 4 | 0 48 | 5 0 | 1 8 | 1 56 | 2 46 | 15 16 | 0 46 | 21 34 | 1 16 | 5 27 | 15 57 | 23 33 | 23 34 | 23 3 | 8 41 | 2 3 | S 29 |
| S 30 | 7 12 | 17 30 | 3 58 | 3 9 | 4 0 | 1 11 | 0 48 | 3 48 | 0 47 | 4 55 | 1 8 | 1 55 | 2 46 | 15 17 | 0 46 | 21 34 | 1 16 | 5 26 | 15 57 | 23 33 | 23 34 | 23 3 | 8 41 | 2 3 | S 30 |
| M31 | 6n50 | 12s46 | 4s38 | 2s56 | 3s59 | 1s42 | 0n46 | 3n32 | 0n47 | 4n50 | 1n 8 | 1n53 | 2s46 | 15s18 | 0s46 | 21s34 | 1n16 | 5n25 | 15n56 | 23n34 | 23n34 | 23n 2 | 8n40 | 2n 3 | M31 |

Julian Day Number = 2085059.5, Delta T = 24m40s
Ecliptic obliquity = 23°34'09, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'18, Lahiri = 9°52'19 Julian Calendar 1 Aug. 996 == Greg. Calendar 6 Aug. 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## SEPTEMBER 996 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 2 22 | 13♍40'15 | 23♓ 6 | 27°R37 | 7♎16 | 23♍37 | 20♍43 | 11°R 5 | 21°R 0 | 16♐ 3 | 24♎11 | 1°R27 | 0♋23 | 27♋55 | 17°R 8 | T 1 |
| W 2 | 23 6 19 | 14°38'59 | 7♈32 | 26♍54 | 8°29 | 24°17 | 20°56 | 11♈ 1 | 20♒58 | 16° 3 | 24°13 | 1♋16 | 0°20 | 28° 1 | 17♈ 5 | W 2 |
| T 3 | 23 10 16 | 15°37'45 | 21°33 | 26° 5 | 9°43 | 24°56 | 21° 9 | 10°57 | 20°56 | 16° 3 | 24°15 | 1° 6 | 0°17 | 28° 8 | 17° 3 | T 3 |
| F 4 | 23 14 12 | 16°36'34 | 5♉ 8 | 25°10 | 10°57 | 25°36 | 21°22 | 10°53 | 20°54 | 16° 4 | 24°17 | 0°58 | 0°14 | 28°14 | 17° 1 | F 4 |
| S 5 | 23 18 9 | 17°35'25 | 18°15 | 24° 9 | 12°11 | 26°15 | 21°35 | 10°49 | 20°52 | 16° 4 | 24°19 | 0°53 | 0°11 | 28°21 | 16°59 | S 5 |
| S 6 | 23 22 5 | 18°34'18 | 0♊57 | 23° 5 | 13°25 | 26°55 | 21°48 | 10°45 | 20°50 | 16° 5 | 24°21 | 0°49 | 0° 8 | 28°28 | 16°56 | S 6 |
| M 7 | 23 26 2 | 19°33'14 | 13°18 | 21°59 | 14°38 | 27°34 | 22° 1 | 10°40 | 20°48 | 16° 5 | 24°23 | 0°48 | 0° 4 | 28°34 | 16°54 | M 7 |
| T 8 | 23 29 58 | 20°32'12 | 25°22 | 20°51 | 15°52 | 28°14 | 22°14 | 10°36 | 20°46 | 16° 6 | 24°26 | 0°48 | 0° 1 | 28°41 | 16°51 | T 8 |
| W 9 | 23 33 55 | 21°31'12 | 7♋15 | 19°44 | 17° 6 | 28°54 | 22°27 | 10°32 | 20°44 | 16° 6 | 24°28 | 0°48 | 29♊58 | 28°48 | 16°49 | W 9 |
| T 10 | 23 37 51 | 22°30'15 | 19° 4 | 18°40 | 18°20 | 29°33 | 22°40 | 10°27 | 20°42 | 16° 7 | 24°30 | 0°47 | 29°55 | 28°54 | 16°46 | T 10 |
| F 11 | 23 41 48 | 23°29'20 | 0♌51 | 17°40 | 19°34 | 0♎13 | 22°53 | 10°23 | 20°40 | 16° 7 | 24°32 | 0°44 | 29°52 | 29° 1 | 16°44 | F 11 |
| S 12 | 23 45 45 | 24°28'27 | 12°44 | 16°46 | 20°47 | 0°53 | 23° 6 | 10°18 | 20°38 | 16° 8 | 24°34 | 0°38 | 29°49 | 29° 8 | 16°41 | S 12 |
| S 13 | 23 49 41 | 25°27'36 | 24°44 | 16° 0 | 22° 1 | 1°33 | 23°19 | 10°14 | 20°36 | 16° 9 | 24°36 | 0°29 | 29°45 | 29°14 | 16°39 | S 13 |
| M14 | 23 53 38 | 26°26'48 | 6♍54 | 15°22 | 23°15 | 2°13 | 23°32 | 10° 9 | 20°34 | 16° 9 | 24°38 | 0°18 | 29°42 | 29°21 | 16°36 | M14 |
| T 15 | 23 57 34 | 27°26'02 | 19°17 | 14°54 | 24°28 | 2°53 | 23°45 | 10° 5 | 20°33 | 16°10 | 24°41 | 0° 5 | 29°39 | 29°28 | 16°34 | T 15 |
| W16 | 0 1 31 | 28°25'18 | 1♎53 | 14°36 | 25°42 | 3°33 | 23°58 | 10° 0 | 20°31 | 16°11 | 24°43 | 29♊51 | 29°36 | 29°34 | 16°31 | W16 |
| T 17 | 0 5 27 | 29°24'36 | 14°42 | 14°D29 | 26°56 | 4°13 | 24°11 | 9°55 | 20°29 | 16°12 | 24°45 | 29°37 | 29°33 | 29°41 | 16°28 | T 17 |
| F 18 | 0 9 24 | 0♎23'56 | 27°42 | 14°32 | 28°10 | 4°53 | 24°24 | 9°51 | 20°28 | 16°12 | 24°47 | 29°26 | 29°29 | 29°48 | 16°26 | F 18 |
| S 19 | 0 13 20 | 1°23'18 | 10♏54 | 14°46 | 29°23 | 5°33 | 24°37 | 9°46 | 20°26 | 16°13 | 24°50 | 29°17 | 29°26 | 29°54 | 16°23 | S 19 |
| S 20 | 0 17 17 | 2°22'42 | 24°17 | 15°11 | 0♏37 | 6°13 | 24°50 | 9°41 | 20°24 | 16°14 | 24°52 | 29°10 | 29°23 | 0♌ 1 | 16°20 | S 20 |
| M21 | 0 21 13 | 3°22'08 | 7♐50 | 15°45 | 1°51 | 6°53 | 25° 3 | 9°36 | 20°23 | 16°15 | 24°54 | 29° 7 | 29°20 | 0° 8 | 16°18 | M21 |
| T 22 | 0 25 10 | 4°21'35 | 21°33 | 16°28 | 3° 4 | 7°33 | 25°16 | 9°32 | 20°21 | 16°16 | 24°57 | 29° 6 | 29°17 | 0°14 | 16°15 | T 22 |
| W23 | 0 29 7 | 5°21'05 | 5♑27 | 17°19 | 4°18 | 8°14 | 25°29 | 9°27 | 20°20 | 16°17 | 24°59 | 29° 6 | 29°14 | 0°21 | 16°12 | W23 |
| T 24 | 0 33 3 | 6°20'36 | 19°33 | 18°18 | 5°31 | 8°54 | 25°42 | 9°22 | 20°18 | 16°18 | 25° 1 | 29° 6 | 29°10 | 0°28 | 16°10 | T 24 |
| F 25 | 0 37 0 | 7°20'09 | 3♒49 | 19°23 | 6°45 | 9°34 | 25°55 | 9°17 | 20°17 | 16°19 | 25° 3 | 29° 4 | 29° 7 | 0°34 | 16° 7 | F 25 |
| S 26 | 0 40 56 | 8°19'44 | 18°13 | 20°35 | 7°59 | 10°15 | 26° 8 | 9°13 | 20°16 | 16°20 | 25° 6 | 28°59 | 29° 4 | 0°41 | 16° 4 | S 26 |
| S 27 | 0 44 53 | 9°19'21 | 2♓43 | 21°51 | 9°12 | 10°55 | 26°21 | 9° 8 | 20°14 | 16°21 | 25° 8 | 28°52 | 29° 1 | 0°48 | 16° 1 | S 27 |
| M28 | 0 48 49 | 10°18'59 | 17°12 | 23°13 | 10°26 | 11°35 | 26°33 | 9° 3 | 20°13 | 16°23 | 25°11 | 28°42 | 28°58 | 0°54 | 15°58 | M28 |
| T 29 | 0 52 46 | 11°18'39 | 1♈35 | 24°38 | 11°39 | 12°16 | 26°46 | 8°58 | 20°12 | 16°24 | 25°13 | 28°31 | 28°55 | 1° 1 | 15°56 | T 29 |
| W30 | 0 56 42 | 12♎18'22 | 15♈44 | 26♍ 6 | 12♏53 | 12♎56 | 26♍59 | 8♈53 | 20♒10 | 16♐25 | 25♎15 | 28♊19 | 28♊51 | 1♌ 8 | 15♈53 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n27 | 7s19 | 4s59 | 2s39 | 3s56 | 2s14 | 0n44 | 3n16 | 0n47 | 4n45 | 1n 8 | 1n51 | 2s47 | 15s18 | 0s46 | 21s34 | 1n16 | 5n24 | 15n56 | 23n34 | 23n34 | 23n 2 | 8n39 | 2n 3 |
| W 2 | 6 5 | 1 35 | 5 0 | 2 18 | 3 51 | 2 45 | 0 41 | 2 59 | 0 46 | 4 39 | 1 8 | 1 50 | 2 47 | 15 19 | 0 46 | 21 34 | 1 16 | 5 23 | 15 56 | 23 34 | 23 34 | 23 1 | 8 38 | 2 3 |
| T 3 | 5 42 | 4n 4 | 4 43 | 1 52 | 3 44 | 3 17 | 0 39 | 2 43 | 0 46 | 4 34 | 1 8 | 1 48 | 2 47 | 15 20 | 0 46 | 21 34 | 1 16 | 5 22 | 15 55 | 23 34 | 23 34 | 23 0 | 8 37 | 2 3 |
| F 4 | 5 19 | 9 22 | 4 10 | 1 22 | 3 36 | 3 48 | 0 37 | 2 27 | 0 45 | 4 29 | 1 8 | 1 46 | 2 47 | 15 20 | 0 46 | 21 35 | 1 16 | 5 21 | 15 55 | 23 34 | 23 34 | 23 0 | 8 36 | 2 3 |
| S 5 | 4 56 | 14 4 | 3 25 | 0 48 | 3 25 | 4 19 | 0 34 | 2 11 | 0 45 | 4 24 | 1 8 | 1 44 | 2 47 | 15 21 | 0 46 | 21 35 | 1 16 | 5 20 | 15 55 | 23 34 | 23 34 | 22 59 | 8 35 | 2 3 |
| S 6 | 4 33 | 18 0 | 2 31 | 0 11 | 3 13 | 4 50 | 0 32 | 1 55 | 0 44 | 4 19 | 1 8 | 1 43 | 2 47 | 15 22 | 0 46 | 21 35 | 1 16 | 5 19 | 15 54 | 23 34 | 23 34 | 22 59 | 8 34 | 2 3 |
| M 7 | 4 9 | 21 0 | 1 32 | 0n28 | 2 58 | 5 21 | 0 29 | 1 38 | 0 44 | 4 14 | 1 8 | 1 41 | 2 47 | 15 22 | 0 46 | 21 35 | 1 16 | 5 18 | 15 54 | 23 34 | 23 34 | 22 58 | 8 33 | 2 3 |
| T 8 | 3 46 | 23 0 | 0 29 | 1 10 | 2 42 | 5 52 | 0 27 | 1 22 | 0 43 | 4 9 | 1 8 | 1 39 | 2 48 | 15 23 | 0 46 | 21 35 | 1 16 | 5 17 | 15 54 | 23 34 | 23 34 | 22 57 | 8 33 | 2 2 |
| W 9 | 3 23 | 23 56 | 0n34 | 1 52 | 2 25 | 6 23 | 0 24 | 1 6 | 0 43 | 4 3 | 1 8 | 1 37 | 2 48 | 15 23 | 0 46 | 21 35 | 1 16 | 5 16 | 15 53 | 23 34 | 23 34 | 22 57 | 8 32 | 2 2 |
| T 10 | 2 59 | 23 47 | 1 35 | 2 35 | 2 6 | 6 54 | 0 21 | 0 50 | 0 42 | 3 58 | 1 8 | 1 35 | 2 48 | 15 24 | 0 46 | 21 35 | 1 16 | 5 15 | 15 53 | 23 34 | 23 34 | 22 56 | 8 31 | 2 2 |
| F 11 | 2 36 | 22 33 | 2 32 | 3 16 | 1 46 | 7 24 | 0 19 | 0 33 | 0 42 | 3 53 | 1 8 | 1 34 | 2 48 | 15 25 | 0 46 | 21 35 | 1 16 | 5 13 | 15 53 | 23 34 | 23 34 | 22 55 | 8 30 | 2 2 |
| S 12 | 2 12 | 20 19 | 3 22 | 3 56 | 1 26 | 7 55 | 0 16 | 0 17 | 0 42 | 3 48 | 1 8 | 1 32 | 2 48 | 15 25 | 0 46 | 21 35 | 1 16 | 5 12 | 15 52 | 23 34 | 23 34 | 22 55 | 8 29 | 2 2 |
| S 13 | 1 49 | 17 11 | 4 4 | 4 33 | 1 6 | 8 25 | 0 13 | 0 1 | 0 41 | 3 43 | 1 8 | 1 30 | 2 48 | 15 26 | 0 46 | 21 36 | 1 15 | 5 11 | 15 52 | 23 34 | 23 34 | 22 54 | 8 28 | 2 2 |
| M14 | 1 25 | 13 17 | 4 36 | 5 6 | 0 46 | 8 55 | 0 11 | 0s16 | 0 41 | 3 38 | 1 8 | 1 28 | 2 48 | 15 26 | 0 46 | 21 36 | 1 15 | 5 10 | 15 52 | 23 34 | 23 34 | 22 53 | 8 27 | 2 2 |
| T 15 | 1 2 | 8 46 | 4 55 | 5 35 | 0 26 | 9 25 | 0 8 | 0 32 | 0 40 | 3 32 | 1 8 | 1 26 | 2 48 | 15 27 | 0 46 | 21 36 | 1 15 | 5 9 | 15 51 | 23 34 | 23 34 | 22 53 | 8 26 | 2 2 |
| W16 | 0 38 | 3 49 | 5 0 | 5 59 | 0 7 | 9 54 | 0 5 | 0 49 | 0 40 | 3 27 | 1 8 | 1 24 | 2 48 | 15 27 | 0 46 | 21 36 | 1 15 | 5 8 | 15 51 | 23 34 | 23 34 | 22 52 | 8 24 | 2 2 |
| T 17 | 0 14 | 1s22 | 4 50 | 6 19 | 0n11 | 10 24 | 0 2 | 1 5 | 0 39 | 3 22 | 1 8 | 1 22 | 2 48 | 15 28 | 0 46 | 21 36 | 1 15 | 5 7 | 15 51 | 23 34 | 23 34 | 22 51 | 8 23 | 2 2 |
| F 18 | 0s10 | 6 36 | 4 25 | 6 33 | 0 28 | 10 53 | 0s 0 | 1 21 | 0 39 | 3 17 | 1 9 | 1 20 | 2 49 | 15 28 | 0 46 | 21 36 | 1 15 | 5 6 | 15 51 | 23 34 | 23 34 | 22 51 | 8 22 | 2 2 |
| S 19 | 0 33 | 11 37 | 3 45 | 6 42 | 0 43 | 11 22 | 0 3 | 1 38 | 0 38 | 3 12 | 1 9 | 1 18 | 2 49 | 15 29 | 0 46 | 21 36 | 1 15 | 5 5 | 15 50 | 23 34 | 23 34 | 22 50 | 8 21 | 2 2 |
| S 20 | 0 57 | 16 9 | 2 53 | 6 45 | 0 57 | 11 51 | 0 6 | 1 54 | 0 38 | 3 7 | 1 9 | 1 17 | 2 49 | 15 29 | 0 46 | 21 36 | 1 15 | 5 4 | 15 50 | 23 34 | 23 34 | 22 49 | 8 20 | 2 2 |
| M21 | 1 21 | 19 56 | 1 50 | 6 43 | 1 10 | 12 19 | 0 9 | 2 11 | 0 37 | 3 2 | 1 9 | 1 15 | 2 49 | 15 30 | 0 46 | 21 37 | 1 15 | 5 3 | 15 50 | 23 34 | 23 34 | 22 49 | 8 19 | 2 2 |
| T 22 | 1 45 | 22 38 | 0 40 | 6 37 | 1 21 | 12 47 | 0 12 | 2 27 | 0 37 | 2 56 | 1 9 | 1 13 | 2 49 | 15 30 | 0 46 | 21 37 | 1 15 | 5 2 | 15 50 | 23 34 | 23 34 | 22 48 | 8 18 | 2 2 |
| W23 | 2 8 | 24 1 | 0s34 | 6 25 | 1 30 | 13 15 | 0 15 | 2 44 | 0 36 | 2 51 | 1 9 | 1 11 | 2 49 | 15 31 | 0 46 | 21 37 | 1 15 | 5 1 | 15 50 | 23 34 | 23 34 | 22 47 | 8 17 | 2 2 |
| T 24 | 2 32 | 23 53 | 1 46 | 6 10 | 1 39 | 13 43 | 0 18 | 3 0 | 0 36 | 2 46 | 1 9 | 1 9 | 2 49 | 15 31 | 0 46 | 21 37 | 1 15 | 5 0 | 15 49 | 23 34 | 23 34 | 22 46 | 8 16 | 2 2 |
| F 25 | 2 56 | 22 12 | 2 52 | 5 50 | 1 45 | 14 10 | 0 21 | 3 16 | 0 35 | 2 41 | 1 9 | 1 7 | 2 49 | 15 32 | 0 46 | 21 37 | 1 15 | 4 59 | 15 49 | 23 34 | 23 34 | 22 46 | 8 15 | 2 2 |
| S 26 | 3 19 | 19 4 | 3 49 | 5 27 | 1 51 | 14 37 | 0 24 | 3 33 | 0 35 | 2 36 | 1 9 | 1 5 | 2 49 | 15 32 | 0 46 | 21 37 | 1 15 | 4 58 | 15 49 | 23 34 | 23 34 | 22 45 | 8 14 | 2 2 |
| S 27 | 3 43 | 14 46 | 4 31 | 5 1 | 1 55 | 15 4 | 0 27 | 3 49 | 0 34 | 2 31 | 1 9 | 1 3 | 2 49 | 15 33 | 0 46 | 21 38 | 1 15 | 4 57 | 15 49 | 23 34 | 23 34 | 22 44 | 8 12 | 2 2 |
| M28 | 4 6 | 9 36 | 4 55 | 4 31 | 1 59 | 15 30 | 0 30 | 4 5 | 0 34 | 2 26 | 1 9 | 1 1 | 2 49 | 15 33 | 0 46 | 21 38 | 1 15 | 4 56 | 15 49 | 23 34 | 23 34 | 22 44 | 8 11 | 2 2 |
| T 29 | 4 30 | 3 58 | 5 0 | 3 59 | 2 1 | 15 56 | 0 32 | 4 22 | 0 33 | 2 21 | 1 9 | 0 59 | 2 49 | 15 33 | 0 46 | 21 38 | 1 15 | 4 55 | 15 48 | 23 34 | 23 34 | 22 43 | 8 10 | 2 2 |
| W30 | 4s53 | 1n48 | 4s47 | 3n25 | 2n 2 | 16s21 | 0s35 | 4s38 | 0n33 | 2n16 | 1n 9 | 0n57 | 2s49 | 15s34 | 0s46 | 21s38 | 1n15 | 4n54 | 15n48 | 23n34 | 23n34 | 22n42 | 8n 9 | 2n 2 |

Julian Day Number = 2085090.5, Delta T = 24m39s
Ecliptic obliquity = 23°34'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'22, Lahiri = 9°52'23 Julian Calendar 1 Sept. 996 == Greg. Calendar 6 Sept. 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## OCTOBER 996 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 1 0 39 | 13♎18'06 | 29♈35 | 27♍37 | 14♏ 6 | 13♎37 | 27♍12 | 8°R49 | 20°R 9 | 16♐26 | 25♎18 | 28°R 8 | 28♊48 | 1♌14 | 15°R50 | T 1 |
| F 2 | 1 4 36 | 14°17'52 | 13♉ 3 | 29°10 | 15°20 | 14°18 | 27°25 | 8♈44 | 20♒ 8 | 16°27 | 25°20 | 27♊59 | 28°45 | 1°21 | 15♈47 | F 2 |
| S 3 | 1 8 32 | 15°17'41 | 26° 8 | 0♎45 | 16°33 | 14°58 | 27°37 | 8°39 | 20° 7 | 16°29 | 25°22 | 27°52 | 28°42 | 1°28 | 15°44 | S 3 |
| S 4 | 1 12 29 | 16°17'32 | 8♊50 | 2°21 | 17°46 | 15°39 | 27°50 | 8°34 | 20° 6 | 16°30 | 25°25 | 27°48 | 28°39 | 1°34 | 15°42 | S 4 |
| M 5 | 1 16 25 | 17°17'25 | 21°11 | 3°58 | 19° 0 | 16°20 | 28° 3 | 8°30 | 20° 5 | 16°31 | 25°27 | 27°47 | 28°35 | 1°41 | 15°39 | M 5 |
| T 6 | 1 20 22 | 18°17'20 | 3♋17 | 5°37 | 20°13 | 17° 1 | 28°15 | 8°25 | 20° 4 | 16°33 | 25°30 | 27°D47 | 28°32 | 1°48 | 15°36 | T 6 |
| W 7 | 1 24 18 | 19°17'18 | 15°12 | 7°15 | 21°27 | 17°41 | 28°28 | 8°20 | 20° 3 | 16°34 | 25°32 | 27°R47 | 28°29 | 1°54 | 15°33 | W 7 |
| T 8 | 1 28 15 | 20°17'18 | 27° 1 | 8°55 | 22°40 | 18°22 | 28°40 | 8°16 | 20° 2 | 16°36 | 25°35 | 27°47 | 28°26 | 2° 1 | 15°30 | T 8 |
| F 9 | 1 32 11 | 21°17'20 | 8♌51 | 10°34 | 23°53 | 19° 3 | 28°53 | 8°11 | 20° 2 | 16°37 | 25°37 | 27°45 | 28°23 | 2° 8 | 15°28 | F 9 |
| S 10 | 1 36 8 | 22°17'24 | 20°45 | 12°14 | 25° 7 | 19°44 | 29° 5 | 8° 6 | 20° 1 | 16°39 | 25°39 | 27°41 | 28°20 | 2°14 | 15°25 | S 10 |
| S 11 | 1 40 5 | 23°17'30 | 2♍49 | 13°54 | 26°20 | 20°25 | 29°18 | 8° 2 | 20° 0 | 16°40 | 25°42 | 27°35 | 28°16 | 2°21 | 15°22 | S 11 |
| M12 | 1 44 1 | 24°17'39 | 15° 7 | 15°33 | 27°33 | 21° 6 | 29°30 | 7°57 | 20° 0 | 16°42 | 25°44 | 27°26 | 28°13 | 2°28 | 15°19 | M12 |
| T 13 | 1 47 58 | 25°17'49 | 27°41 | 17°13 | 28°46 | 21°47 | 29°43 | 7°53 | 19°59 | 16°43 | 25°47 | 27°15 | 28°10 | 2°34 | 15°17 | T 13 |
| W14 | 1 51 54 | 26°18'01 | 10♎31 | 18°52 | 29°59 | 22°29 | 29°55 | 7°48 | 19°58 | 16°45 | 25°49 | 27° 4 | 28° 7 | 2°41 | 15°14 | W14 |
| T 15 | 1 55 51 | 27°18'16 | 23°39 | 20°31 | 1♐13 | 23°10 | 0♎ 7 | 7°44 | 19°58 | 16°46 | 25°52 | 26°53 | 28° 4 | 2°48 | 15°11 | T 15 |
| F 16 | 1 59 47 | 28°18'32 | 7♏ 2 | 22°10 | 2°26 | 23°51 | 0°20 | 7°40 | 19°57 | 16°48 | 25°54 | 26°44 | 28° 0 | 2°54 | 15° 8 | F 16 |
| S 17 | 2 3 44 | 29°18'50 | 20°38 | 23°49 | 3°39 | 24°32 | 0°32 | 7°35 | 19°57 | 16°50 | 25°56 | 26°36 | 27°57 | 3° 1 | 15° 6 | S 17 |
| S 18 | 2 7 40 | 0♏19'09 | 4♐25 | 25°27 | 4°52 | 25°14 | 0°44 | 7°31 | 19°57 | 16°51 | 25°59 | 26°31 | 27°54 | 3° 8 | 15° 3 | S 18 |
| M19 | 2 11 37 | 1°19'31 | 18°20 | 27° 5 | 6° 5 | 25°55 | 0°56 | 7°27 | 19°56 | 16°53 | 26° 1 | 26°29 | 27°51 | 3°14 | 15° 0 | M19 |
| T 20 | 2 15 34 | 2°19'54 | 2♑20 | 28°43 | 7°18 | 26°37 | 1° 8 | 7°23 | 19°56 | 16°55 | 26° 4 | 26°D29 | 27°48 | 3°21 | 14°58 | T 20 |
| W21 | 2 19 30 | 3°20'18 | 16°23 | 0♏20 | 8°32 | 27°18 | 1°20 | 7°19 | 19°56 | 16°57 | 26° 6 | 26°30 | 27°45 | 3°28 | 14°55 | W21 |
| T 22 | 2 23 27 | 4°20'44 | 0♒30 | 1°57 | 9°45 | 27°59 | 1°32 | 7°15 | 19°56 | 16°58 | 26° 9 | 26°R31 | 27°41 | 3°34 | 14°52 | T 22 |
| F 23 | 2 27 23 | 5°21'11 | 14°37 | 3°33 | 10°58 | 28°41 | 1°44 | 7°11 | 19°56 | 17° 0 | 26°11 | 26°30 | 27°38 | 3°41 | 14°50 | F 23 |
| S 24 | 2 31 20 | 6°21'39 | 28°45 | 5°10 | 12°11 | 29°23 | 1°56 | 7° 7 | 19°D56 | 17° 2 | 26°13 | 26°28 | 27°35 | 3°48 | 14°47 | S 24 |
| S 25 | 2 35 16 | 7°22'09 | 12♓51 | 6°46 | 13°23 | 0♏ 4 | 2° 8 | 7° 3 | 19°56 | 17° 4 | 26°16 | 26°24 | 27°32 | 3°55 | 14°45 | S 25 |
| M26 | 2 39 13 | 8°22'40 | 26°53 | 8°21 | 14°36 | 0°46 | 2°19 | 6°59 | 19°56 | 17° 6 | 26°18 | 26°17 | 27°29 | 4° 1 | 14°42 | M26 |
| T 27 | 2 43 9 | 9°23'12 | 10♈47 | 9°57 | 15°49 | 1°28 | 2°31 | 6°56 | 19°56 | 17° 7 | 26°21 | 26°10 | 27°26 | 4° 8 | 14°40 | T 27 |
| W28 | 2 47 6 | 10°23'46 | 24°30 | 11°32 | 17° 2 | 2° 9 | 2°43 | 6°52 | 19°56 | 17° 9 | 26°23 | 26° 2 | 27°22 | 4°15 | 14°37 | W28 |
| T 29 | 2 51 3 | 11°24'21 | 7♉59 | 13° 7 | 18°15 | 2°51 | 2°54 | 6°49 | 19°56 | 17°11 | 26°25 | 25°54 | 27°19 | 4°21 | 14°35 | T 29 |
| F 30 | 2 54 59 | 12°24'58 | 21°10 | 14°41 | 19°27 | 3°33 | 3° 6 | 6°45 | 19°56 | 17°13 | 26°28 | 25°48 | 27°16 | 4°28 | 14°32 | F 30 |
| S 31 | 2 58 56 | 13♏25'37 | 4♊ 4 | 16♏16 | 20♐40 | 4♏15 | 3♎17 | 6♈42 | 19♒57 | 17♐15 | 26♎30 | 25♊43 | 27♊13 | 4♌35 | 14♈30 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| T 1 | 5s17 | 7n22 | 4s17 | 2n49 | 2n 2 | 16s46 | 0s38 | 4s54 | 0n32 | 2n11 | 1n 9 | 0n56 | 2s49 | 15s34 | 0s46 | 21s38 | 1n15 | 4n53 | 15n48 | 23n33 | 23n34 | 22n41 | 8n 8 | 2n 2 | |
| F 2 | 5 40 | 12 27 | 3 34 | 2 11 | 2 1 | 17 11 | 0 41 | 5 11 | 0 32 | 2 6 | 1 9 | 0 54 | 2 49 | 15 34 | 0 46 | 21 38 | 1 15 | 4 52 | 15 48 | 23 33 | 23 34 | 22 40 | 8 7 | 2 2 | |
| S 3 | 6 3 | 16 48 | 2 40 | 1 32 | 2 0 | 17 35 | 0 44 | 5 27 | 0 31 | 2 1 | 1 9 | 0 52 | 2 49 | 15 35 | 0 46 | 21 39 | 1 15 | 4 51 | 15 48 | 23 33 | 23 34 | 22 40 | 8 6 | 2 1 | |
| S 4 | 6 26 | 20 16 | 1 39 | 0 52 | 1 58 | 17 59 | 0 47 | 5 43 | 0 31 | 1 56 | 1 9 | 0 50 | 2 49 | 15 35 | 0 46 | 21 39 | 1 14 | 4 50 | 15 48 | 23 33 | 23 34 | 22 39 | 8 4 | 2 1 | |
| M 5 | 6 50 | 22 42 | 0 35 | 0 11 | 1 56 | 18 22 | 0 50 | 6 0 | 0 30 | 1 51 | 1 9 | 0 48 | 2 49 | 15 35 | 0 46 | 21 39 | 1 14 | 4 49 | 15 48 | 23 33 | 23 34 | 22 38 | 8 3 | 2 1 | |
| T 6 | 7 13 | 24 1 | 0n29 | 0s31 | 1 52 | 18 45 | 0 53 | 6 16 | 0 30 | 1 46 | 1 9 | 0 46 | 2 49 | 15 35 | 0 46 | 21 39 | 1 14 | 4 49 | 15 48 | 23 33 | 23 34 | 22 37 | 8 2 | 2 1 | |
| W 7 | 7 35 | 24 13 | 1 31 | 1 14 | 1 49 | 19 7 | 0 56 | 6 32 | 0 29 | 1 41 | 1 10 | 0 45 | 2 49 | 15 36 | 0 45 | 21 39 | 1 14 | 4 48 | 15 47 | 23 33 | 23 34 | 22 37 | 8 1 | 2 1 | |
| T 8 | 7 58 | 23 18 | 2 29 | 1 57 | 1 45 | 19 29 | 0 59 | 6 48 | 0 29 | 1 36 | 1 10 | 0 43 | 2 48 | 15 36 | 0 45 | 21 39 | 1 14 | 4 47 | 15 47 | 23 33 | 23 34 | 22 36 | 8 0 | 2 1 | |
| F 9 | 8 21 | 21 22 | 3 21 | 2 40 | 1 40 | 19 50 | 1 1 | 7 4 | 0 28 | 1 31 | 1 10 | 0 41 | 2 48 | 15 36 | 0 45 | 21 40 | 1 14 | 4 46 | 15 47 | 23 33 | 23 34 | 22 35 | 7 59 | 2 1 | |
| S 10 | 8 43 | 18 30 | 4 3 | 3 24 | 1 36 | 20 11 | 1 4 | 7 20 | 0 28 | 1 26 | 1 10 | 0 39 | 2 48 | 15 36 | 0 45 | 21 40 | 1 14 | 4 45 | 15 47 | 23 33 | 23 34 | 22 34 | 7 58 | 2 1 | |
| S 11 | 9 6 | 14 49 | 4 36 | 4 7 | 1 30 | 20 31 | 1 7 | 7 36 | 0 27 | 1 21 | 1 10 | 0 38 | 2 48 | 15 37 | 0 45 | 21 40 | 1 14 | 4 44 | 15 47 | 23 33 | 23 33 | 22 33 | 7 56 | 2 1 | |
| M12 | 9 28 | 10 27 | 4 57 | 4 51 | 1 25 | 20 51 | 1 10 | 7 52 | 0 26 | 1 16 | 1 10 | 0 36 | 2 48 | 15 37 | 0 45 | 21 40 | 1 14 | 4 43 | 15 47 | 23 33 | 23 33 | 22 32 | 7 55 | 2 1 | |
| T 13 | 9 50 | 5 34 | 5 4 | 5 34 | 1 19 | 21 10 | 1 12 | 8 8 | 0 26 | 1 11 | 1 10 | 0 34 | 2 48 | 15 37 | 0 45 | 21 40 | 1 14 | 4 42 | 15 47 | 23 32 | 23 33 | 22 32 | 7 54 | 2 1 | |
| W14 | 10 12 | 0 20 | 4 55 | 6 18 | 1 14 | 21 29 | 1 15 | 8 24 | 0 25 | 1 6 | 1 10 | 0 33 | 2 48 | 15 37 | 0 45 | 21 41 | 1 14 | 4 41 | 15 47 | 23 32 | 23 33 | 22 31 | 7 53 | 2 1 | |
| T 15 | 10 34 | 5s 1 | 4 32 | 7 1 | 1 8 | 21 47 | 1 18 | 8 40 | 0 25 | 1 1 | 1 10 | 0 31 | 2 48 | 15 37 | 0 45 | 21 41 | 1 14 | 4 40 | 15 47 | 23 32 | 23 33 | 22 30 | 7 52 | 2 1 | |
| F 16 | 10 56 | 10 16 | 3 53 | 7 44 | 1 1 | 22 4 | 1 20 | 8 56 | 0 24 | 0 57 | 1 10 | 0 29 | 2 48 | 15 37 | 0 45 | 21 41 | 1 14 | 4 40 | 15 47 | 23 32 | 23 33 | 22 29 | 7 51 | 2 0 | |
| S 17 | 11 17 | 15 7 | 3 0 | 8 26 | 0 55 | 22 21 | 1 23 | 9 11 | 0 24 | 0 52 | 1 10 | 0 28 | 2 48 | 15 37 | 0 45 | 21 41 | 1 14 | 4 39 | 15 47 | 23 32 | 23 33 | 22 28 | 7 49 | 2 0 | |
| S 18 | 11 39 | 19 15 | 1 55 | 9 8 | 0 49 | 22 38 | 1 26 | 9 27 | 0 23 | 0 47 | 1 10 | 0 26 | 2 48 | 15 37 | 0 45 | 21 41 | 1 14 | 4 38 | 15 47 | 23 31 | 23 33 | 22 27 | 7 48 | 2 0 | |
| M19 | 12 0 | 22 20 | 0 44 | 9 50 | 0 42 | 22 53 | 1 28 | 9 43 | 0 23 | 0 42 | 1 11 | 0 25 | 2 47 | 15 38 | 0 45 | 21 42 | 1 14 | 4 37 | 15 47 | 23 31 | 23 33 | 22 26 | 7 47 | 2 0 | |
| T 20 | 12 21 | 24 4 | 0s31 | 10 31 | 0 36 | 23 8 | 1 31 | 9 58 | 0 22 | 0 38 | 1 11 | 0 23 | 2 47 | 15 38 | 0 45 | 21 42 | 1 14 | 4 36 | 15 47 | 23 31 | 23 33 | 22 26 | 7 46 | 2 0 | |
| W21 | 12 42 | 24 18 | 1 45 | 11 12 | 0 29 | 23 23 | 1 33 | 10 14 | 0 22 | 0 33 | 1 11 | 0 22 | 2 47 | 15 38 | 0 45 | 21 42 | 1 14 | 4 35 | 15 47 | 23 31 | 23 33 | 22 25 | 7 45 | 2 0 | |
| T 22 | 13 2 | 22 58 | 2 52 | 11 52 | 0 22 | 23 36 | 1 35 | 10 29 | 0 21 | 0 28 | 1 11 | 0 20 | 2 47 | 15 38 | 0 45 | 21 42 | 1 14 | 4 35 | 15 47 | 23 31 | 23 33 | 22 24 | 7 44 | 2 0 | |
| F 23 | 13 23 | 20 11 | 3 49 | 12 31 | 0 16 | 23 49 | 1 38 | 10 45 | 0 20 | 0 23 | 1 11 | 0 19 | 2 47 | 15 38 | 0 45 | 21 42 | 1 14 | 4 34 | 15 47 | 23 31 | 23 33 | 22 23 | 7 43 | 2 0 | |
| S 24 | 13 43 | 16 13 | 4 33 | 13 10 | 0 9 | 24 2 | 1 40 | 11 0 | 0 20 | 0 19 | 1 11 | 0 17 | 2 47 | 15 38 | 0 45 | 21 43 | 1 14 | 4 33 | 15 47 | 23 31 | 23 33 | 22 22 | 7 42 | 2 0 | |
| S 25 | 14 3 | 11 22 | 4 59 | 13 49 | 0 2 | 24 13 | 1 42 | 11 15 | 0 19 | 0 14 | 1 11 | 0 16 | 2 47 | 15 38 | 0 45 | 21 43 | 1 14 | 4 32 | 15 47 | 23 31 | 23 33 | 22 21 | 7 41 | 1 59 | |
| M26 | 14 22 | 5 56 | 5 7 | 14 26 | 0s 4 | 24 24 | 1 44 | 11 31 | 0 19 | 0 10 | 1 11 | 0 15 | 2 46 | 15 37 | 0 45 | 21 43 | 1 14 | 4 31 | 15 47 | 23 31 | 23 33 | 22 20 | 7 39 | 1 59 | |
| T 27 | 14 42 | 0 16 | 4 58 | 15 3 | 0 11 | 24 34 | 1 46 | 11 46 | 0 18 | 0 5 | 1 11 | 0 13 | 2 46 | 15 37 | 0 45 | 21 43 | 1 14 | 4 31 | 15 47 | 23 31 | 23 33 | 22 19 | 7 38 | 1 59 | |
| W28 | 15 1 | 5n21 | 4 31 | 15 39 | 0 18 | 24 44 | 1 49 | 12 1 | 0 18 | 0 1 | 1 12 | 0 12 | 2 46 | 15 37 | 0 45 | 21 44 | 1 14 | 4 30 | 15 48 | 23 31 | 23 33 | 22 18 | 7 37 | 1 59 | |
| T 29 | 15 20 | 10 38 | 3 49 | 16 14 | 0 24 | 24 53 | 1 51 | 12 16 | 0 17 | 0s 4 | 1 12 | 0 11 | 2 46 | 15 37 | 0 45 | 21 44 | 1 14 | 4 29 | 15 48 | 23 30 | 23 33 | 22 17 | 7 36 | 1 59 | |
| F 30 | 15 39 | 15 19 | 2 56 | 16 49 | 0 31 | 25 1 | 1 52 | 12 31 | 0 16 | 0 8 | 1 12 | 0 10 | 2 46 | 15 37 | 0 45 | 21 44 | 1 13 | 4 29 | 15 48 | 23 30 | 23 32 | 22 16 | 7 35 | 1 59 | |
| S 31 | 15s57 | 19n12 | 1s55 | 17s23 | 0s37 | 25s 8 | 1s54 | 12s45 | 0n16 | 0s13 | 1n12 | 0n 8 | 2s45 | 15s37 | 0s45 | 21s44 | 1n13 | 4n28 | 15n48 | 23n30 | 23n32 | 22n15 | 7n34 | 1n59 | |

Julian Day Number = 2085120.5, Delta T = 24m39s
Ecliptic obliquity = 23°34'10, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'26, Lahiri = 9°52'27 Julian Calendar 1 Oct. 996 == Greg. Calendar 6 Oct. 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## NOVEMBER 996 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 3 2 52 | 14♏26'17 | 16♊39 | 17♏50 | 21♐53 | 4♏57 | 3♎28 | 6°R38 | 19♒57 | 17♐17 | 26♎32 | 25°R41 | 27♊10 | 4♌41 | 14°R28 | S 1 |
| M 2 | 3 6 49 | 15°26'58 | 28°58 | 19°24 | 23° 5 | 5°39 | 3°39 | 6♈35 | 19°58 | 17°19 | 26°35 | 25°D41 | 27° 6 | 4°48 | 14♈25 | M 2 |
| T 3 | 3 10 45 | 16°27'41 | 11♋ 3 | 20°58 | 24°18 | 6°21 | 3°51 | 6°32 | 19°58 | 17°21 | 26°37 | 25♊42 | 27° 3 | 4°55 | 14°23 | T 3 |
| W 4 | 3 14 42 | 17°28'26 | 22°59 | 22°32 | 25°31 | 7° 3 | 4° 2 | 6°29 | 19°59 | 17°23 | 26°39 | 25°43 | 27° 0 | 5° 1 | 14°21 | W 4 |
| T 5 | 3 18 38 | 18°29'13 | 4♌49 | 24° 5 | 26°43 | 7°45 | 4°13 | 6°26 | 19°59 | 17°25 | 26°42 | 25°45 | 26°57 | 5° 8 | 14°19 | T 5 |
| F 6 | 3 22 35 | 19°30'00 | 16°38 | 25°39 | 27°55 | 8°27 | 4°24 | 6°23 | 20° 0 | 17°27 | 26°44 | 25°R46 | 26°54 | 5°15 | 14°16 | F 6 |
| S 7 | 3 26 32 | 20°30'50 | 28°33 | 27°12 | 29° 8 | 9° 9 | 4°35 | 6°21 | 20° 0 | 17°29 | 26°46 | 25°46 | 26°51 | 5°21 | 14°14 | S 7 |
| S 8 | 3 30 28 | 21°31'41 | 10♍37 | 28°46 | 0♑20 | 9°52 | 4°45 | 6°18 | 20° 1 | 17°31 | 26°49 | 25°44 | 26°47 | 5°28 | 14°12 | S 8 |
| M 9 | 3 34 25 | 22°32'33 | 22°56 | 0♐19 | 1°32 | 10°34 | 4°56 | 6°15 | 20° 2 | 17°33 | 26°51 | 25°40 | 26°44 | 5°35 | 14°10 | M 9 |
| T 10 | 3 38 21 | 23°33'27 | 5♎33 | 1°52 | 2°45 | 11°16 | 5° 7 | 6°13 | 20° 3 | 17°36 | 26°53 | 25°36 | 26°41 | 5°41 | 14° 8 | T 10 |
| W11 | 3 42 18 | 24°34'22 | 18°31 | 3°25 | 3°57 | 11°59 | 5°17 | 6°10 | 20° 4 | 17°38 | 26°55 | 25°31 | 26°38 | 5°48 | 14° 6 | W11 |
| T 12 | 3 46 14 | 25°35'18 | 1♏51 | 4°58 | 5° 9 | 12°41 | 5°28 | 6° 8 | 20° 5 | 17°40 | 26°58 | 25°25 | 26°35 | 5°55 | 14° 4 | T 12 |
| F 13 | 3 50 11 | 26°36'16 | 15°32 | 6°31 | 6°21 | 13°24 | 5°38 | 6° 6 | 20° 5 | 17°42 | 27° 0 | 25°21 | 26°32 | 6° 1 | 14° 2 | F 13 |
| S 14 | 3 54 7 | 27°37'15 | 29°31 | 8° 4 | 7°33 | 14° 6 | 5°48 | 6° 4 | 20° 7 | 17°44 | 27° 2 | 25°18 | 26°28 | 6° 8 | 14° 0 | S 14 |
| S 15 | 3 58 4 | 28°38'15 | 13♐44 | 9°36 | 8°45 | 14°49 | 5°58 | 6° 2 | 20° 8 | 17°46 | 27° 4 | 25°16 | 26°25 | 6°15 | 13°58 | S 15 |
| M16 | 4 2 1 | 29°39'16 | 28° 7 | 11° 9 | 9°57 | 15°31 | 6° 9 | 6° 0 | 20° 9 | 17°48 | 27° 6 | 25°D15 | 26°22 | 6°21 | 13°57 | M16 |
| T 17 | 4 5 57 | 0♐40'18 | 12♑34 | 12°42 | 11° 9 | 16°14 | 6°19 | 5°58 | 20°10 | 17°51 | 27° 8 | 25°16 | 26°19 | 6°28 | 13°55 | T 17 |
| W18 | 4 9 54 | 1°41'20 | 27° 0 | 14°14 | 12°21 | 16°57 | 6°28 | 5°57 | 20°11 | 17°53 | 27°10 | 25°17 | 26°16 | 6°35 | 13°53 | W18 |
| T 19 | 4 13 50 | 2°42'23 | 11♒22 | 15°46 | 13°32 | 17°40 | 6°38 | 5°55 | 20°12 | 17°55 | 27°13 | 25°19 | 26°12 | 6°41 | 13°52 | T 19 |
| F 20 | 4 17 47 | 3°43'27 | 25°36 | 17°18 | 14°44 | 18°22 | 6°48 | 5°54 | 20°14 | 17°57 | 27°15 | 25°20 | 26° 9 | 6°48 | 13°50 | F 20 |
| S 21 | 4 21 43 | 4°44'31 | 9♓40 | 18°50 | 15°56 | 19° 5 | 6°57 | 5°52 | 20°15 | 17°59 | 27°17 | 25°R20 | 26° 6 | 6°55 | 13°49 | S 21 |
| S 22 | 4 25 40 | 5°45'35 | 23°33 | 20°21 | 17° 7 | 19°48 | 7° 7 | 5°51 | 20°17 | 18° 2 | 27°19 | 25°19 | 26° 3 | 7° 1 | 13°47 | S 22 |
| M23 | 4 29 36 | 6°46'40 | 7♈15 | 21°52 | 18°19 | 20°31 | 7°16 | 5°50 | 20°18 | 18° 4 | 27°21 | 25°17 | 26° 0 | 7° 8 | 13°46 | M23 |
| T 24 | 4 33 33 | 7°47'45 | 20°44 | 23°22 | 19°30 | 21°14 | 7°26 | 5°49 | 20°19 | 18° 6 | 27°23 | 25°15 | 25°57 | 7°15 | 13°44 | T 24 |
| W25 | 4 37 30 | 8°48'51 | 3♉59 | 24°52 | 20°41 | 21°57 | 7°35 | 5°48 | 20°21 | 18° 8 | 27°25 | 25°12 | 25°53 | 7°21 | 13°43 | W25 |
| T 26 | 4 41 26 | 9°49'57 | 17° 2 | 26°21 | 21°52 | 22°40 | 7°44 | 5°47 | 20°23 | 18°11 | 27°27 | 25°10 | 25°50 | 7°28 | 13°42 | T 26 |
| F 27 | 4 45 23 | 10°51'04 | 29°51 | 27°50 | 23° 3 | 23°23 | 7°53 | 5°46 | 20°24 | 18°13 | 27°29 | 25° 8 | 25°47 | 7°35 | 13°40 | F 27 |
| S 28 | 4 49 19 | 11°52'11 | 12♊26 | 29°17 | 24°14 | 24° 6 | 8° 1 | 5°46 | 20°26 | 18°15 | 27°30 | 25° 7 | 25°44 | 7°42 | 13°39 | S 28 |
| S 29 | 4 53 16 | 12°53'19 | 24°49 | 0♑43 | 25°25 | 24°49 | 8°10 | 5°45 | 20°28 | 18°17 | 27°32 | 25°D 7 | 25°41 | 7°48 | 13°38 | S 29 |
| M30 | 4 57 12 | 13♐54'28 | 7♋ 0 | 2♑ 7 | 26♑36 | 25♏33 | 8♎19 | 5♈45 | 20♒30 | 18♐20 | 27♎34 | 25♊ 7 | 25♊38 | 7♌55 | 13♈37 | M30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16s15 | 22n 5 | 0s49 | 17s56 | 0s43 | 25s15 | 1s56 | 13s 0 | 0n15 | 0s17 | 1n12 | 0n 7 | 2s45 | 15s37 | 0s45 | 21s44 | 1n13 | 4n27 | 15n48 | 23n30 | 23n32 | 22n14 | 7n33 | 1n59 |
| M 2 | 16 33 | 23 52 | 0n18 | 18 28 | 0 49 | 25 21 | 1 58 | 13 15 | 0 15 | 0 22 | 1 12 | 0 6 | 2 45 | 15 37 | 0 45 | 21 45 | 1 13 | 4 26 | 15 48 | 23 30 | 23 32 | 22 13 | 7 32 | 1 59 |
| T 3 | 16 51 | 24 29 | 1 23 | 18 59 | 0 56 | 25 26 | 2 0 | 13 29 | 0 14 | 0 26 | 1 12 | 0 5 | 2 45 | 15 36 | 0 45 | 21 45 | 1 13 | 4 26 | 15 48 | 23 30 | 23 32 | 22 13 | 7 31 | 1 58 |
| W 4 | 17 8 | 23 57 | 2 23 | 19 30 | 1 2 | 25 31 | 2 1 | 13 44 | 0 14 | 0 30 | 1 12 | 0 4 | 2 45 | 15 36 | 0 45 | 21 45 | 1 13 | 4 25 | 15 48 | 23 30 | 23 32 | 22 12 | 7 30 | 1 58 |
| T 5 | 17 25 | 22 21 | 3 17 | 19 59 | 1 7 | 25 34 | 2 3 | 13 58 | 0 13 | 0 34 | 1 13 | 0 3 | 2 44 | 15 36 | 0 44 | 21 45 | 1 13 | 4 24 | 15 49 | 23 30 | 23 32 | 22 11 | 7 29 | 1 58 |
| F 6 | 17 42 | 19 47 | 4 3 | 20 27 | 1 13 | 25 37 | 2 4 | 14 12 | 0 12 | 0 39 | 1 13 | 0 2 | 2 44 | 15 36 | 0 44 | 21 45 | 1 13 | 4 24 | 15 49 | 23 30 | 23 32 | 22 10 | 7 28 | 1 58 |
| S 7 | 17 58 | 16 23 | 4 38 | 20 55 | 1 19 | 25 39 | 2 5 | 14 26 | 0 12 | 0 43 | 1 13 | 0 1 | 2 44 | 15 36 | 0 44 | 21 46 | 1 13 | 4 23 | 15 49 | 23 30 | 23 32 | 22 9 | 7 27 | 1 58 |
| S 8 | 18 15 | 12 16 | 5 2 | 21 21 | 1 24 | 25 41 | 2 7 | 14 40 | 0 11 | 0 47 | 1 13 | 0 1 | 2 44 | 15 35 | 0 44 | 21 46 | 1 13 | 4 23 | 15 49 | 23 30 | 23 32 | 22 8 | 7 26 | 1 58 |
| M 9 | 18 30 | 7 35 | 5 12 | 21 47 | 1 29 | 25 42 | 2 8 | 14 54 | 0 11 | 0 51 | 1 13 | 0s 0 | 2 44 | 15 35 | 0 44 | 21 46 | 1 13 | 4 22 | 15 49 | 23 30 | 23 32 | 22 7 | 7 25 | 1 58 |
| T 10 | 18 46 | 2 29 | 5 8 | 22 11 | 1 34 | 25 41 | 2 9 | 15 8 | 0 10 | 0 55 | 1 13 | 0 1 | 2 43 | 15 35 | 0 44 | 21 46 | 1 13 | 4 21 | 15 49 | 23 30 | 23 32 | 22 6 | 7 24 | 1 57 |
| W11 | 19 1 | 2s52 | 4 48 | 22 34 | 1 39 | 25 41 | 2 10 | 15 22 | 0 9 | 0 59 | 1 13 | 0 2 | 2 43 | 15 34 | 0 44 | 21 47 | 1 13 | 4 21 | 15 50 | 23 30 | 23 32 | 22 5 | 7 23 | 1 57 |
| T 12 | 19 16 | 8 14 | 4 12 | 22 56 | 1 44 | 25 39 | 2 11 | 15 35 | 0 9 | 1 3 | 1 14 | 0 2 | 2 43 | 15 34 | 0 44 | 21 47 | 1 13 | 4 20 | 15 50 | 23 29 | 23 31 | 22 4 | 7 23 | 1 57 |
| F 13 | 19 30 | 13 22 | 3 21 | 23 17 | 1 48 | 25 37 | 2 12 | 15 49 | 0 8 | 1 7 | 1 14 | 0 3 | 2 43 | 15 34 | 0 44 | 21 47 | 1 13 | 4 20 | 15 50 | 23 29 | 23 31 | 22 3 | 7 22 | 1 57 |
| S 14 | 19 44 | 17 56 | 2 17 | 23 37 | 1 52 | 25 34 | 2 13 | 16 2 | 0 8 | 1 11 | 1 14 | 0 4 | 2 42 | 15 33 | 0 44 | 21 47 | 1 13 | 4 19 | 15 50 | 23 29 | 23 31 | 22 1 | 7 21 | 1 57 |
| S 15 | 19 58 | 21 32 | 1 3 | 23 55 | 1 56 | 25 30 | 2 13 | 16 15 | 0 7 | 1 15 | 1 14 | 0 4 | 2 42 | 15 33 | 0 44 | 21 47 | 1 13 | 4 19 | 15 51 | 23 29 | 23 31 | 22 0 | 7 20 | 1 57 |
| M16 | 20 11 | 23 49 | 0s16 | 24 13 | 2 0 | 25 25 | 2 14 | 16 29 | 0 6 | 1 19 | 1 14 | 0 5 | 2 42 | 15 33 | 0 44 | 21 48 | 1 13 | 4 18 | 15 51 | 23 29 | 23 31 | 21 59 | 7 19 | 1 57 |
| T 17 | 20 24 | 24 32 | 1 34 | 24 29 | 2 3 | 25 20 | 2 14 | 16 42 | 0 6 | 1 23 | 1 14 | 0 5 | 2 42 | 15 32 | 0 44 | 21 48 | 1 13 | 4 18 | 15 51 | 23 29 | 23 31 | 21 58 | 7 18 | 1 56 |
| W18 | 20 37 | 23 35 | 2 46 | 24 43 | 2 6 | 25 14 | 2 15 | 16 54 | 0 5 | 1 27 | 1 15 | 0 6 | 2 41 | 15 32 | 0 44 | 21 48 | 1 13 | 4 17 | 15 51 | 23 29 | 23 31 | 21 57 | 7 17 | 1 56 |
| T 19 | 20 49 | 21 6 | 3 47 | 24 56 | 2 9 | 25 7 | 2 15 | 17 7 | 0 5 | 1 30 | 1 15 | 0 6 | 2 41 | 15 31 | 0 44 | 21 48 | 1 13 | 4 17 | 15 52 | 23 29 | 23 31 | 21 56 | 7 17 | 1 56 |
| F 20 | 21 1 | 17 21 | 4 34 | 25 8 | 2 11 | 24 59 | 2 15 | 17 20 | 0 4 | 1 34 | 1 15 | 0 6 | 2 41 | 15 31 | 0 44 | 21 49 | 1 13 | 4 16 | 15 52 | 23 29 | 23 31 | 21 55 | 7 16 | 1 56 |
| S 21 | 21 12 | 12 40 | 5 4 | 25 18 | 2 13 | 24 51 | 2 15 | 17 32 | 0 3 | 1 38 | 1 15 | 0 7 | 2 41 | 15 30 | 0 44 | 21 49 | 1 13 | 4 16 | 15 52 | 23 29 | 23 31 | 21 54 | 7 15 | 1 56 |
| S 22 | 21 23 | 7 23 | 5 15 | 25 27 | 2 14 | 24 42 | 2 15 | 17 44 | 0 3 | 1 41 | 1 15 | 0 7 | 2 40 | 15 30 | 0 44 | 21 49 | 1 13 | 4 15 | 15 52 | 23 29 | 23 31 | 21 53 | 7 14 | 1 56 |
| M23 | 21 34 | 1 50 | 5 9 | 25 34 | 2 16 | 24 33 | 2 15 | 17 57 | 0 2 | 1 45 | 1 16 | 0 7 | 2 40 | 15 29 | 0 44 | 21 49 | 1 13 | 4 15 | 15 53 | 23 29 | 23 31 | 21 52 | 7 14 | 1 55 |
| T 24 | 21 44 | 3n44 | 4 45 | 25 40 | 2 16 | 24 22 | 2 15 | 18 9 | 0 1 | 1 48 | 1 16 | 0 7 | 2 40 | 15 29 | 0 44 | 21 49 | 1 13 | 4 15 | 15 53 | 23 29 | 23 30 | 21 51 | 7 13 | 1 55 |
| W25 | 21 53 | 9 3 | 4 6 | 25 44 | 2 16 | 24 11 | 2 15 | 18 20 | 0 1 | 1 52 | 1 16 | 0 7 | 2 40 | 15 28 | 0 44 | 21 50 | 1 13 | 4 14 | 15 53 | 23 29 | 23 30 | 21 50 | 7 12 | 1 55 |
| T 26 | 22 3 | 13 53 | 3 15 | 25 47 | 2 16 | 24 0 | 2 14 | 18 32 | 0 0 | 1 55 | 1 16 | 0 8 | 2 39 | 15 28 | 0 44 | 21 50 | 1 13 | 4 14 | 15 54 | 23 29 | 23 30 | 21 49 | 7 12 | 1 55 |
| F 27 | 22 12 | 18 1 | 2 15 | 25 48 | 2 15 | 23 47 | 2 14 | 18 44 | 0s 1 | 1 58 | 1 16 | 0 8 | 2 39 | 15 27 | 0 44 | 21 50 | 1 13 | 4 14 | 15 54 | 23 29 | 23 30 | 21 47 | 7 11 | 1 55 |
| S 28 | 22 20 | 21 16 | 1 10 | 25 48 | 2 14 | 23 34 | 2 13 | 18 55 | 0 1 | 2 2 | 1 16 | 0 8 | 2 39 | 15 27 | 0 44 | 21 50 | 1 13 | 4 13 | 15 54 | 23 29 | 23 30 | 21 46 | 7 11 | 1 55 |
| S 29 | 22 28 | 23 26 | 0 2 | 25 45 | 2 11 | 23 20 | 2 12 | 19 6 | 0 2 | 2 5 | 1 17 | 0 7 | 2 39 | 15 26 | 0 44 | 21 50 | 1 13 | 4 13 | 15 55 | 23 29 | 23 30 | 21 45 | 7 10 | 1 55 |
| M30 | 22s36 | 24n28 | 1n 5 | 25s42 | 2s 8 | 23s 6 | 2s12 | 19s17 | 0s 2 | 2s 8 | 1n17 | 0s 7 | 2s38 | 15s26 | 0s44 | 21s51 | 1n13 | 4n13 | 15n55 | 23n29 | 23n30 | 21n44 | 7n 9 | 1n54 |

Julian Day Number = 2085151.5, Delta T = 24m39s
Ecliptic obliquity = 23°34'10, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'31, Lahiri = 9°52'31 Julian Calendar 1 Nov. 996 == Greg. Calendar 6 Nov. 996


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# ASTRODIENST EPHEMERIS for the year 996
# geocentric

## DECEMBER 996 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 5 1 9 | 14♐55'37 | 19♋ 2 | 3♑30 | 27♑46 | 26♏16 | 8♎27 | 5°R45 | 20♒31 | 18♐22 | 27♎36 | 25♊ 8 | 25♊34 | 8♌ 2 | 13°R36 | T 1 |
| W 2 | 5 5 6 | 15°56'46 | 0♌56 | 4°50 | 28°57 | 26°59 | 8°35 | 5♈45 | 20°33 | 18°24 | 27°38 | 25° 9 | 25°31 | 8° 8 | 13♈35 | W 2 |
| T 3 | 5 9 2 | 16°57'56 | 12°46 | 6° 8 | 0♒ 7 | 27°42 | 8°44 | 5°D45 | 20°35 | 18°27 | 27°40 | 25°10 | 25°28 | 8°15 | 13°34 | T 3 |
| F 4 | 5 12 59 | 17°59'07 | 24°35 | 7°23 | 1°18 | 28°26 | 8°52 | 5°45 | 20°37 | 18°29 | 27°41 | 25°11 | 25°25 | 8°22 | 13°33 | F 4 |
| S 5 | 5 16 55 | 19° 0'18 | 6♍29 | 8°35 | 2°28 | 29° 9 | 9° 0 | 5°45 | 20°39 | 18°31 | 27°43 | 25°11 | 25°22 | 8°28 | 13°32 | S 5 |
| S 6 | 5 20 52 | 20° 1'30 | 18°31 | 9°42 | 3°38 | 29°53 | 9° 7 | 5°45 | 20°41 | 18°33 | 27°45 | 25°R11 | 25°18 | 8°35 | 13°32 | S 6 |
| M 7 | 5 24 48 | 21° 2'42 | 0♎47 | 10°45 | 4°48 | 0♐36 | 9°15 | 5°46 | 20°43 | 18°36 | 27°46 | 25°11 | 25°15 | 8°42 | 13°31 | M 7 |
| T 8 | 5 28 45 | 22° 3'54 | 13°21 | 11°43 | 5°58 | 1°20 | 9°23 | 5°46 | 20°45 | 18°38 | 27°48 | 25°11 | 25°12 | 8°48 | 13°30 | T 8 |
| W 9 | 5 32 41 | 23° 5'07 | 26°16 | 12°34 | 7° 7 | 2° 3 | 9°30 | 5°47 | 20°48 | 18°40 | 27°50 | 25°11 | 25° 9 | 8°55 | 13°30 | W 9 |
| T 10 | 5 36 38 | 24° 6'20 | 9♏36 | 13°18 | 8°17 | 2°47 | 9°37 | 5°48 | 20°50 | 18°42 | 27°51 | 25°10 | 25° 6 | 9° 2 | 13°29 | T 10 |
| F 11 | 5 40 35 | 25° 7'34 | 23°21 | 13°54 | 9°26 | 3°31 | 9°45 | 5°48 | 20°52 | 18°45 | 27°53 | 25°D10 | 25° 3 | 9° 8 | 13°29 | F 11 |
| S 12 | 5 44 31 | 26° 8'48 | 7♐31 | 14°22 | 10°35 | 4°15 | 9°52 | 5°49 | 20°54 | 18°47 | 27°54 | 25°10 | 24°59 | 9°15 | 13°28 | S 12 |
| S 13 | 5 48 28 | 27°10'02 | 22° 3 | 14°39 | 11°45 | 4°58 | 9°58 | 5°51 | 20°57 | 18°49 | 27°56 | 25°R11 | 24°56 | 9°22 | 13°28 | S 13 |
| M14 | 5 52 24 | 28°11'16 | 6♑49 | 14°R46 | 12°53 | 5°42 | 10° 5 | 5°52 | 20°59 | 18°51 | 27°57 | 25°10 | 24°53 | 9°28 | 13°28 | M14 |
| T 15 | 5 56 21 | 29°12'30 | 21°44 | 14°42 | 14° 2 | 6°26 | 10°12 | 5°53 | 21° 1 | 18°54 | 27°59 | 25°10 | 24°50 | 9°35 | 13°27 | T 15 |
| W16 | 6 0 17 | 0♑13'43 | 6♒39 | 14°26 | 15°11 | 7°10 | 10°18 | 5°54 | 21° 4 | 18°56 | 28° 0 | 25°10 | 24°47 | 9°42 | 13°27 | W16 |
| T 17 | 6 4 14 | 1°14'56 | 21°26 | 13°59 | 16°19 | 7°54 | 10°24 | 5°56 | 21° 6 | 18°58 | 28° 2 | 25° 9 | 24°44 | 9°49 | 13°27 | T 17 |
| F 18 | 6 8 10 | 2°16'09 | 5♓59 | 13°19 | 17°28 | 8°38 | 10°30 | 5°58 | 21° 9 | 19° 0 | 28° 3 | 25° 8 | 24°40 | 9°55 | 13°27 | F 18 |
| S 19 | 6 12 7 | 3°17'21 | 20°14 | 12°29 | 18°36 | 9°22 | 10°36 | 5°59 | 21°11 | 19° 3 | 28° 4 | 25° 8 | 24°37 | 10° 2 | 13°D27 | S 19 |
| S 20 | 6 16 4 | 4°18'32 | 4♈ 8 | 11°29 | 19°44 | 10° 6 | 10°42 | 6° 1 | 21°14 | 19° 5 | 28° 6 | 25°D 8 | 24°34 | 10° 9 | 13°27 | S 20 |
| M21 | 6 20 0 | 5°19'43 | 17°42 | 10°20 | 20°51 | 10°50 | 10°48 | 6° 3 | 21°17 | 19° 7 | 28° 7 | 25° 8 | 24°31 | 10°15 | 13°27 | M21 |
| T 22 | 6 23 57 | 6°20'53 | 0♉56 | 9° 6 | 21°59 | 11°34 | 10°53 | 6° 5 | 21°19 | 19° 9 | 28° 8 | 25° 9 | 24°28 | 10°22 | 13°27 | T 22 |
| W23 | 6 27 53 | 7°22'03 | 13°53 | 7°48 | 23° 6 | 12°18 | 10°59 | 6° 7 | 21°22 | 19°11 | 28° 9 | 25°10 | 24°24 | 10°29 | 13°27 | W23 |
| T 24 | 6 31 50 | 8°23'11 | 26°34 | 6°28 | 24°13 | 13° 2 | 11° 4 | 6°10 | 21°25 | 19°14 | 28°10 | 25°11 | 24°21 | 10°35 | 13°28 | T 24 |
| F 25 | 6 35 46 | 9°24'20 | 9♊ 3 | 5°10 | 25°20 | 13°47 | 11° 9 | 6°12 | 21°27 | 19°16 | 28°12 | 25°12 | 24°18 | 10°42 | 13°28 | F 25 |
| S 26 | 6 39 43 | 10°25'27 | 21°20 | 3°56 | 26°27 | 14°31 | 11°14 | 6°15 | 21°30 | 19°18 | 28°13 | 25°R13 | 24°15 | 10°49 | 13°28 | S 26 |
| S 27 | 6 43 39 | 11°26'34 | 3♋29 | 2°47 | 27°33 | 15°15 | 11°18 | 6°17 | 21°33 | 19°20 | 28°14 | 25°12 | 24°12 | 10°55 | 13°29 | S 27 |
| M28 | 6 47 36 | 12°27'40 | 15°30 | 1°45 | 28°39 | 16° 0 | 11°23 | 6°20 | 21°36 | 19°22 | 28°15 | 25°11 | 24° 9 | 11° 2 | 13°29 | M28 |
| T 29 | 6 51 33 | 13°28'46 | 27°26 | 0°51 | 29°45 | 16°44 | 11°27 | 6°23 | 21°39 | 19°24 | 28°16 | 25° 9 | 24° 5 | 11° 9 | 13°30 | T 29 |
| W30 | 6 55 29 | 14°29'51 | 9♌17 | 0° 6 | 0♓51 | 17°29 | 11°31 | 6°26 | 21°42 | 19°26 | 28°17 | 25° 6 | 24° 2 | 11°15 | 13°30 | W30 |
| T 31 | 6 59 26 | 15♑30'55 | 21♌ 8 | 29♐31 | 1♓56 | 18♐13 | 11♎35 | 6♈29 | 21♒45 | 19♐29 | 28♎18 | 25♊ 3 | 23♊59 | 11♌22 | 13♈31 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s43 | 24n20 | 2n 9 | 25s36 | 2s 5 | 22s51 | 2s11 | 19s28 | 0s 3 | 2s11 | 1n17 | 0s 7 | 2s38 | 15s25 | 0s44 | 21s51 | 1n13 | 4n12 | 15n55 | 23n29 | 23n30 | 21n43 | 7n 9 | 1n54 |
| W 2 | 22 49 | 23 5 | 3 6 | 25 29 | 2 0 | 22 36 | 2 10 | 19 39 | 0 4 | 2 15 | 1 17 | 0 7 | 2 38 | 15 24 | 0 44 | 21 51 | 1 13 | 4 12 | 15 56 | 23 29 | 23 30 | 21 42 | 7 8 | 1 54 |
| T 3 | 22 56 | 20 49 | 3 55 | 25 21 | 1 55 | 22 19 | 2 8 | 19 50 | 0 4 | 2 18 | 1 17 | 0 7 | 2 37 | 15 24 | 0 44 | 21 51 | 1 13 | 4 12 | 15 56 | 23 29 | 23 29 | 21 41 | 7 8 | 1 54 |
| F 4 | 23 1 | 17 41 | 4 34 | 25 11 | 1 49 | 22 3 | 2 7 | 20 0 | 0 5 | 2 21 | 1 18 | 0 6 | 2 37 | 15 23 | 0 43 | 21 51 | 1 13 | 4 11 | 15 57 | 23 29 | 23 29 | 21 40 | 7 7 | 1 54 |
| S 5 | 23 7 | 13 50 | 5 1 | 24 59 | 1 42 | 21 45 | 2 6 | 20 10 | 0 6 | 2 24 | 1 18 | 0 6 | 2 37 | 15 22 | 0 43 | 21 52 | 1 13 | 4 11 | 15 57 | 23 29 | 23 29 | 21 38 | 7 7 | 1 54 |
| S 6 | 23 12 | 9 24 | 5 15 | 24 46 | 1 34 | 21 27 | 2 4 | 20 20 | 0 6 | 2 26 | 1 18 | 0 6 | 2 37 | 15 22 | 0 43 | 21 52 | 1 13 | 4 11 | 15 57 | 23 29 | 23 29 | 21 37 | 7 6 | 1 53 |
| M 7 | 23 16 | 4 31 | 5 16 | 24 32 | 1 25 | 21 9 | 2 2 | 20 30 | 0 7 | 2 29 | 1 18 | 0 5 | 2 36 | 15 21 | 0 43 | 21 52 | 1 13 | 4 11 | 15 58 | 23 29 | 23 29 | 21 36 | 7 6 | 1 53 |
| T 8 | 23 20 | 0s40 | 5 2 | 24 17 | 1 15 | 20 50 | 2 1 | 20 40 | 0 8 | 2 32 | 1 19 | 0 5 | 2 36 | 15 20 | 0 43 | 21 52 | 1 13 | 4 11 | 15 58 | 23 29 | 23 29 | 21 35 | 7 5 | 1 53 |
| W 9 | 23 23 | 5 58 | 4 32 | 24 1 | 1 3 | 20 30 | 1 59 | 20 49 | 0 8 | 2 35 | 1 19 | 0 4 | 2 36 | 15 20 | 0 43 | 21 52 | 1 13 | 4 10 | 15 58 | 23 29 | 23 29 | 21 34 | 7 5 | 1 53 |
| T 10 | 23 26 | 11 10 | 3 47 | 23 44 | 0 51 | 20 10 | 1 57 | 20 59 | 0 9 | 2 37 | 1 19 | 0 4 | 2 35 | 15 19 | 0 43 | 21 53 | 1 13 | 4 10 | 15 59 | 23 29 | 23 29 | 21 32 | 7 5 | 1 53 |
| F 11 | 23 29 | 16 0 | 2 48 | 23 27 | 0 37 | 19 50 | 1 55 | 21 8 | 0 10 | 2 40 | 1 19 | 0 3 | 2 35 | 15 18 | 0 43 | 21 53 | 1 13 | 4 10 | 15 59 | 23 29 | 23 29 | 21 31 | 7 4 | 1 53 |
| S 12 | 23 31 | 20 6 | 1 37 | 23 9 | 0 22 | 19 29 | 1 52 | 21 17 | 0 10 | 2 43 | 1 19 | 0 3 | 2 35 | 15 17 | 0 43 | 21 53 | 1 13 | 4 10 | 16 0 | 23 29 | 23 28 | 21 30 | 7 4 | 1 52 |
| S 13 | 23 32 | 23 2 | 0 17 | 22 51 | 0 6 | 19 7 | 1 50 | 21 25 | 0 11 | 2 45 | 1 20 | 0 2 | 2 35 | 15 16 | 0 43 | 21 53 | 1 13 | 4 10 | 16 0 | 23 29 | 23 28 | 21 29 | 7 4 | 1 52 |
| M14 | 23 33 | 24 28 | 1s 4 | 22 34 | 0n11 | 18 45 | 1 48 | 21 34 | 0 12 | 2 48 | 1 20 | 0 1 | 2 34 | 15 16 | 0 43 | 21 53 | 1 13 | 4 10 | 16 1 | 23 29 | 23 28 | 21 28 | 7 4 | 1 52 |
| T 15 | 23 34 | 24 9 | 2 22 | 22 16 | 0 29 | 18 23 | 1 45 | 21 42 | 0 12 | 2 50 | 1 20 | 0 0 | 2 34 | 15 15 | 0 43 | 21 54 | 1 13 | 4 10 | 16 1 | 23 29 | 23 28 | 21 26 | 7 3 | 1 52 |
| W16 | 23 34 | 22 6 | 3 31 | 21 59 | 0 48 | 18 0 | 1 42 | 21 50 | 0 13 | 2 52 | 1 20 | 0n 0 | 2 34 | 15 14 | 0 43 | 21 54 | 1 13 | 4 10 | 16 1 | 23 29 | 23 28 | 21 25 | 7 3 | 1 52 |
| T 17 | 23 34 | 18 36 | 4 24 | 21 43 | 1 7 | 17 37 | 1 39 | 21 58 | 0 14 | 2 54 | 1 21 | 0 1 | 2 33 | 15 13 | 0 43 | 21 54 | 1 13 | 4 10 | 16 2 | 23 29 | 23 28 | 21 24 | 7 3 | 1 52 |
| F 18 | 23 33 | 14 0 | 5 0 | 21 27 | 1 27 | 17 13 | 1 36 | 22 6 | 0 14 | 2 57 | 1 21 | 0 2 | 2 33 | 15 12 | 0 43 | 21 54 | 1 13 | 4 10 | 16 2 | 23 29 | 23 28 | 21 23 | 7 3 | 1 51 |
| S 19 | 23 32 | 8 44 | 5 16 | 21 13 | 1 46 | 16 49 | 1 33 | 22 13 | 0 15 | 2 59 | 1 21 | 0 3 | 2 33 | 15 12 | 0 43 | 21 54 | 1 13 | 4 10 | 16 3 | 23 29 | 23 28 | 21 21 | 7 2 | 1 51 |
| S 20 | 23 30 | 3 8 | 5 13 | 21 0 | 2 5 | 16 24 | 1 30 | 22 21 | 0 16 | 3 1 | 1 21 | 0 4 | 2 33 | 15 11 | 0 43 | 21 55 | 1 13 | 4 10 | 16 3 | 23 29 | 23 27 | 21 20 | 7 2 | 1 51 |
| M21 | 23 28 | 2n28 | 4 53 | 20 48 | 2 22 | 15 59 | 1 27 | 22 28 | 0 16 | 3 3 | 1 21 | 0 5 | 2 32 | 15 10 | 0 43 | 21 55 | 1 13 | 4 10 | 16 4 | 23 29 | 23 27 | 21 19 | 7 2 | 1 51 |
| T 22 | 23 25 | 7 50 | 4 18 | 20 38 | 2 38 | 15 34 | 1 23 | 22 34 | 0 17 | 3 5 | 1 22 | 0 6 | 2 32 | 15 9 | 0 43 | 21 55 | 1 13 | 4 10 | 16 4 | 23 29 | 23 27 | 21 18 | 7 2 | 1 51 |
| W23 | 23 22 | 12 45 | 3 30 | 20 28 | 2 52 | 15 9 | 1 20 | 22 41 | 0 18 | 3 7 | 1 22 | 0 7 | 2 32 | 15 8 | 0 43 | 21 55 | 1 13 | 4 10 | 16 5 | 23 29 | 23 27 | 21 16 | 7 2 | 1 51 |
| T 24 | 23 18 | 17 2 | 2 32 | 20 21 | 3 4 | 14 43 | 1 16 | 22 47 | 0 18 | 3 8 | 1 22 | 0 9 | 2 32 | 15 7 | 0 43 | 21 55 | 1 13 | 4 10 | 16 5 | 23 29 | 23 27 | 21 15 | 7 2 | 1 50 |
| F 25 | 23 14 | 20 28 | 1 28 | 20 15 | 3 13 | 14 17 | 1 12 | 22 54 | 0 19 | 3 10 | 1 22 | 0 10 | 2 31 | 15 6 | 0 43 | 21 55 | 1 13 | 4 10 | 16 6 | 23 29 | 23 27 | 21 14 | 7 2 | 1 50 |
| S 26 | 23 9 | 22 56 | 0 21 | 20 10 | 3 20 | 13 50 | 1 8 | 22 59 | 0 20 | 3 12 | 1 23 | 0 11 | 2 31 | 15 5 | 0 43 | 21 56 | 1 13 | 4 10 | 16 6 | 23 29 | 23 27 | 21 13 | 7 2 | 1 50 |
| S 27 | 23 4 | 24 17 | 0n46 | 20 8 | 3 25 | 13 23 | 1 4 | 23 5 | 0 20 | 3 13 | 1 23 | 0 12 | 2 31 | 15 4 | 0 43 | 21 56 | 1 13 | 4 10 | 16 7 | 23 29 | 23 26 | 21 11 | 7 2 | 1 50 |
| M28 | 22 59 | 24 29 | 1 50 | 20 7 | 3 27 | 12 56 | 1 0 | 23 11 | 0 21 | 3 15 | 1 23 | 0 14 | 2 30 | 15 3 | 0 43 | 21 56 | 1 13 | 4 10 | 16 7 | 23 29 | 23 26 | 21 10 | 7 2 | 1 50 |
| T 29 | 22 53 | 23 33 | 2 49 | 20 7 | 3 27 | 12 29 | 0 55 | 23 16 | 0 22 | 3 16 | 1 23 | 0 15 | 2 30 | 15 3 | 0 43 | 21 56 | 1 13 | 4 10 | 16 8 | 23 29 | 23 26 | 21 9 | 7 2 | 1 49 |
| W30 | 22 47 | 21 33 | 3 40 | 20 10 | 3 25 | 12 2 | 0 51 | 23 21 | 0 22 | 3 18 | 1 24 | 0 16 | 2 30 | 15 2 | 0 43 | 21 56 | 1 13 | 4 10 | 16 8 | 23 29 | 23 26 | 21 7 | 7 2 | 1 49 |
| T 31 | 22s40 | 18n39 | 4n21 | 20s13 | 3n21 | 11s34 | 0s46 | 23s26 | 0s23 | 3s19 | 1n24 | 0n18 | 2s30 | 15s 1 | 0s43 | 21s56 | 1n13 | 4n10 | 16n 9 | 23n29 | 23n26 | 21n 6 | 7n 2 | 1n49 |

Julian Day Number = 2085181.5, Delta T = 24m38s
Ecliptic obliquity = 23°34'09, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'35, Lahiri = 9°52'35 Julian Calendar 1 Dec. 996 == Greg. Calendar 6 Dec. 996


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## JANUARY 997 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 7 3 22 | 16♑31'59 | 2♍58 | 29°R 5 | 3♓ 1 | 18♐57 | 11♎39 | 6♈32 | 21♒48 | 19♐31 | 28♎18 | 24°R59 | 23♊56 | 11♌29 | 13♈32 | F 1 |
| S 2 | 7 7 19 | 17°33'02 | 14°53 | 28♐48 | 4° 6 | 19°42 | 11°43 | 6°35 | 21°51 | 19°33 | 28°19 | 24♊56 | 23°53 | 11°36 | 13°33 | S 2 |
| S 3 | 7 11 15 | 18°34'05 | 26°55 | 28°D40 | 5°10 | 20°27 | 11°46 | 6°38 | 21°54 | 19°35 | 28°20 | 24°53 | 23°50 | 11°42 | 13°33 | S 3 |
| M 4 | 7 15 12 | 19°35'06 | 9♎ 8 | 28°40 | 6°14 | 21°11 | 11°49 | 6°42 | 21°57 | 19°37 | 28°21 | 24°51 | 23°46 | 11°49 | 13°34 | M 4 |
| T 5 | 7 19 8 | 20°36'08 | 21°36 | 28°48 | 7°18 | 21°56 | 11°53 | 6°45 | 22° 0 | 19°39 | 28°22 | 24°D51 | 23°43 | 11°56 | 13°35 | T 5 |
| W 6 | 7 23 5 | 21°37'08 | 4♏24 | 29° 3 | 8°22 | 22°41 | 11°55 | 6°49 | 22° 3 | 19°41 | 28°22 | 24°51 | 23°40 | 12° 2 | 13°36 | W 6 |
| T 7 | 7 27 2 | 22°38'08 | 17°35 | 29°25 | 9°25 | 23°25 | 11°58 | 6°52 | 22° 6 | 19°43 | 28°23 | 24°53 | 23°37 | 12° 9 | 13°37 | T 7 |
| F 8 | 7 30 58 | 23°39'08 | 1♐13 | 29°53 | 10°27 | 24°10 | 12° 1 | 6°56 | 22° 9 | 19°45 | 28°24 | 24°55 | 23°34 | 12°16 | 13°38 | F 8 |
| S 9 | 7 34 55 | 24°40'06 | 15°19 | 0♑26 | 11°30 | 24°55 | 12° 3 | 7° 0 | 22°12 | 19°47 | 28°24 | 24°56 | 23°30 | 12°22 | 13°40 | S 9 |
| S 10 | 7 38 51 | 25°41'04 | 29°51 | 1° 4 | 12°32 | 25°40 | 12° 5 | 7° 4 | 22°15 | 19°49 | 28°25 | 24°R56 | 23°27 | 12°29 | 13°41 | S 10 |
| M11 | 7 42 48 | 26°42'01 | 14♑46 | 1°47 | 13°34 | 26°25 | 12° 7 | 7° 8 | 22°18 | 19°51 | 28°25 | 24°55 | 23°24 | 12°36 | 13°42 | M11 |
| T 12 | 7 46 44 | 27°42'57 | 29°56 | 2°34 | 14°35 | 27°10 | 12° 9 | 7°12 | 22°22 | 19°52 | 28°26 | 24°52 | 23°21 | 12°42 | 13°43 | T 12 |
| W13 | 7 50 41 | 28°43'52 | 15♒11 | 3°25 | 15°36 | 27°55 | 12°11 | 7°17 | 22°25 | 19°54 | 28°26 | 24°47 | 23°18 | 12°49 | 13°45 | W13 |
| T 14 | 7 54 38 | 29°44'45 | 0♓21 | 4°19 | 16°36 | 28°40 | 12°12 | 7°21 | 22°28 | 19°56 | 28°27 | 24°42 | 23°15 | 12°56 | 13°46 | T 14 |
| F 15 | 7 58 34 | 0♒45'37 | 15°16 | 5°16 | 17°37 | 29°25 | 12°14 | 7°25 | 22°31 | 19°58 | 28°27 | 24°37 | 23°11 | 13° 2 | 13°48 | F 15 |
| S 16 | 8 2 31 | 1°46'27 | 29°49 | 6°17 | 18°36 | 0♑10 | 12°15 | 7°30 | 22°35 | 20° 0 | 28°28 | 24°32 | 23° 8 | 13° 9 | 13°49 | S 16 |
| S 17 | 8 6 27 | 2°47'16 | 13♈55 | 7°20 | 19°35 | 0°55 | 12°16 | 7°34 | 22°38 | 20° 2 | 28°28 | 24°29 | 23° 5 | 13°16 | 13°51 | S 17 |
| M18 | 8 10 24 | 3°48'03 | 27°34 | 8°25 | 20°34 | 1°40 | 12°16 | 7°39 | 22°41 | 20° 3 | 28°28 | 24°27 | 23° 2 | 13°23 | 13°52 | M18 |
| T 19 | 8 14 20 | 4°48'48 | 10♉47 | 9°32 | 21°32 | 2°25 | 12°17 | 7°44 | 22°45 | 20° 5 | 28°28 | 24°D27 | 22°59 | 13°29 | 13°54 | T 19 |
| W20 | 8 18 17 | 5°49'32 | 23°37 | 10°42 | 22°30 | 3°10 | 12°17 | 7°49 | 22°48 | 20° 7 | 28°29 | 24°28 | 22°56 | 13°36 | 13°56 | W20 |
| T 21 | 8 22 13 | 6°50'14 | 6♊ 8 | 11°53 | 23°27 | 3°55 | 12°R17 | 7°54 | 22°51 | 20° 9 | 28°29 | 24°30 | 22°52 | 13°43 | 13°58 | T 21 |
| F 22 | 8 26 10 | 7°50'55 | 18°24 | 13° 7 | 24°23 | 4°41 | 12°17 | 7°59 | 22°55 | 20°10 | 28°29 | 24°R31 | 22°49 | 13°49 | 14° 0 | F 22 |
| S 23 | 8 30 7 | 8°51'34 | 0♋29 | 14°22 | 25°19 | 5°26 | 12°17 | 8° 4 | 22°58 | 20°12 | 28°29 | 24°31 | 22°46 | 13°56 | 14° 1 | S 23 |
| S 24 | 8 34 3 | 9°52'11 | 12°26 | 15°38 | 26°14 | 6°11 | 12°16 | 8° 9 | 23° 1 | 20°14 | 28°29 | 24°29 | 22°43 | 14° 3 | 14° 3 | S 24 |
| M25 | 8 38 0 | 10°52'47 | 24°20 | 16°56 | 27° 9 | 6°56 | 12°16 | 8°14 | 23° 5 | 20°15 | 28°R29 | 24°25 | 22°40 | 14° 9 | 14° 5 | M25 |
| T 26 | 8 41 56 | 11°53'21 | 6♌10 | 18°16 | 28° 3 | 7°42 | 12°15 | 8°19 | 23° 8 | 20°17 | 28°29 | 24°19 | 22°36 | 14°16 | 14° 7 | T 26 |
| W27 | 8 45 53 | 12°53'53 | 18° 1 | 19°36 | 28°56 | 8°27 | 12°14 | 8°25 | 23°12 | 20°18 | 28°29 | 24°10 | 22°33 | 14°23 | 14° 9 | W27 |
| T 28 | 8 49 49 | 13°54'24 | 29°53 | 20°59 | 29°48 | 9°12 | 12°13 | 8°30 | 23°15 | 20°20 | 28°29 | 24° 0 | 22°30 | 14°29 | 14°12 | T 28 |
| F 29 | 8 53 46 | 14°54'53 | 11♍48 | 22°22 | 0♈40 | 9°58 | 12°11 | 8°36 | 23°18 | 20°21 | 28°29 | 23°50 | 22°27 | 14°36 | 14°14 | F 29 |
| S 30 | 8 57 42 | 15°55'21 | 23°47 | 23°46 | 1°31 | 10°43 | 12°10 | 8°41 | 23°22 | 20°23 | 28°29 | 23°40 | 22°24 | 14°43 | 14°16 | S 30 |
| S 31 | 9 1 39 | 16♒55'47 | 5♎54 | 25♑12 | 2♈22 | 11♑29 | 12♎ 8 | 8♈47 | 23♒25 | 20♐24 | 28♎28 | 23♊32 | 22♊21 | 14♌50 | 14♈18 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22s32 | 15n 0 | 4n52 | 20s19 | 3n15 | 11s 6 | 0s42 | 23s30 | 0s24 | 3s20 | 1n24 | 0n19 | 2s29 | 15s 0 | 0s43 | 21s57 | 1n13 | 4n11 | 16n 9 | 23n28 | 23n26 | 21n 5 | 7n 2 | 1n49 | F 1 |
| S 2 | 22 25 | 10 44 | 5 10 | 20 25 | 3 9 | 10 38 | 0 37 | 23 34 | 0 24 | 3 22 | 1 24 | 0 21 | 2 29 | 14 59 | 0 43 | 21 57 | 1 13 | 4 11 | 16 10 | 23 28 | 23 26 | 21 3 | 7 3 | 1 49 | S 2 |
| S 3 | 22 16 | 6 2 | 5 14 | 20 33 | 3 1 | 10 10 | 0 32 | 23 39 | 0 25 | 3 23 | 1 25 | 0 22 | 2 29 | 14 58 | 0 43 | 21 57 | 1 13 | 4 11 | 16 10 | 23 28 | 23 25 | 21 2 | 7 3 | 1 49 | S 3 |
| M 4 | 22 8 | 1 2 | 5 5 | 20 41 | 2 53 | 9 41 | 0 27 | 23 42 | 0 26 | 3 24 | 1 25 | 0 24 | 2 29 | 14 57 | 0 43 | 21 57 | 1 13 | 4 11 | 16 11 | 23 28 | 23 25 | 21 1 | 7 3 | 1 48 | M 4 |
| T 5 | 21 59 | 4s 7 | 4 41 | 20 50 | 2 43 | 9 13 | 0 22 | 23 46 | 0 27 | 3 25 | 1 25 | 0 26 | 2 28 | 14 56 | 0 43 | 21 57 | 1 13 | 4 11 | 16 11 | 23 28 | 23 25 | 20 59 | 7 3 | 1 48 | T 5 |
| W 6 | 21 49 | 9 15 | 4 3 | 21 0 | 2 34 | 8 44 | 0 16 | 23 49 | 0 27 | 3 26 | 1 26 | 0 27 | 2 28 | 14 55 | 0 43 | 21 57 | 1 13 | 4 12 | 16 12 | 23 28 | 23 25 | 20 58 | 7 3 | 1 48 | W 6 |
| T 7 | 21 39 | 14 7 | 3 11 | 21 10 | 2 24 | 8 15 | 0 11 | 23 52 | 0 28 | 3 27 | 1 26 | 0 29 | 2 28 | 14 54 | 0 43 | 21 57 | 1 13 | 4 12 | 16 12 | 23 28 | 23 25 | 20 57 | 7 4 | 1 48 | T 7 |
| F 8 | 21 29 | 18 27 | 2 6 | 21 21 | 2 14 | 7 46 | 0 5 | 23 55 | 0 29 | 3 27 | 1 26 | 0 31 | 2 28 | 14 53 | 0 43 | 21 58 | 1 13 | 4 12 | 16 13 | 23 28 | 23 25 | 20 55 | 7 4 | 1 48 | F 8 |
| S 9 | 21 18 | 21 53 | 0 53 | 21 31 | 2 3 | 7 17 | 0n 0 | 23 58 | 0 29 | 3 28 | 1 26 | 0 32 | 2 27 | 14 51 | 0 43 | 21 58 | 1 13 | 4 12 | 16 13 | 23 28 | 23 25 | 20 54 | 7 4 | 1 48 | S 9 |
| S 10 | 21 7 | 24 1 | 0s27 | 21 41 | 1 53 | 6 48 | 0 6 | 24 0 | 0 30 | 3 29 | 1 27 | 0 34 | 2 27 | 14 50 | 0 43 | 21 58 | 1 13 | 4 13 | 16 14 | 23 28 | 23 24 | 20 53 | 7 5 | 1 48 | S 10 |
| M11 | 20 56 | 24 31 | 1 46 | 21 51 | 1 42 | 6 19 | 0 12 | 24 2 | 0 31 | 3 29 | 1 27 | 0 36 | 2 27 | 14 49 | 0 43 | 21 58 | 1 13 | 4 13 | 16 14 | 23 28 | 23 24 | 20 51 | 7 5 | 1 47 | M11 |
| T 12 | 20 44 | 23 12 | 3 0 | 22 1 | 1 32 | 5 50 | 0 18 | 24 4 | 0 31 | 3 30 | 1 27 | 0 38 | 2 27 | 14 48 | 0 43 | 21 58 | 1 13 | 4 13 | 16 15 | 23 28 | 23 24 | 20 50 | 7 5 | 1 47 | T 12 |
| W13 | 20 32 | 20 12 | 4 0 | 22 10 | 1 21 | 5 20 | 0 24 | 24 5 | 0 32 | 3 30 | 1 27 | 0 40 | 2 26 | 14 47 | 0 43 | 21 58 | 1 13 | 4 14 | 16 15 | 23 28 | 23 24 | 20 49 | 7 6 | 1 47 | W13 |
| T 14 | 20 19 | 15 50 | 4 44 | 22 19 | 1 11 | 4 51 | 0 30 | 24 7 | 0 33 | 3 30 | 1 28 | 0 42 | 2 26 | 14 46 | 0 43 | 21 58 | 1 13 | 4 14 | 16 16 | 23 28 | 23 24 | 20 47 | 7 6 | 1 47 | T 14 |
| F 15 | 20 6 | 10 33 | 5 7 | 22 27 | 1 0 | 4 22 | 0 37 | 24 8 | 0 34 | 3 31 | 1 28 | 0 44 | 2 26 | 14 45 | 0 43 | 21 58 | 1 13 | 4 14 | 16 16 | 23 28 | 23 24 | 20 46 | 7 6 | 1 47 | F 15 |
| S 16 | 19 52 | 4 48 | 5 10 | 22 35 | 0 50 | 3 52 | 0 43 | 24 8 | 0 34 | 3 31 | 1 28 | 0 46 | 2 26 | 14 44 | 0 43 | 21 59 | 1 13 | 4 15 | 16 17 | 23 27 | 23 23 | 20 44 | 7 7 | 1 47 | S 16 |
| S 17 | 19 39 | 1n 1 | 4 54 | 22 42 | 0 40 | 3 23 | 0 50 | 24 9 | 0 35 | 3 31 | 1 28 | 0 48 | 2 25 | 14 43 | 0 43 | 21 59 | 1 13 | 4 15 | 16 17 | 23 27 | 23 23 | 20 43 | 7 7 | 1 46 | S 17 |
| M18 | 19 24 | 6 36 | 4 21 | 22 47 | 0 31 | 2 54 | 0 56 | 24 9 | 0 36 | 3 31 | 1 29 | 0 50 | 2 25 | 14 42 | 0 43 | 21 59 | 1 13 | 4 16 | 16 18 | 23 27 | 23 23 | 20 42 | 7 8 | 1 46 | M18 |
| T 19 | 19 10 | 11 44 | 3 35 | 22 52 | 0 21 | 2 25 | 1 3 | 24 9 | 0 36 | 3 31 | 1 29 | 0 52 | 2 25 | 14 41 | 0 43 | 21 59 | 1 13 | 4 16 | 16 18 | 23 27 | 23 23 | 20 40 | 7 8 | 1 46 | T 19 |
| W20 | 18 55 | 16 12 | 2 40 | 22 56 | 0 12 | 1 55 | 1 10 | 24 9 | 0 37 | 3 31 | 1 29 | 0 54 | 2 25 | 14 40 | 0 43 | 21 59 | 1 13 | 4 16 | 16 19 | 23 27 | 23 23 | 20 39 | 7 9 | 1 46 | W20 |
| T 21 | 18 40 | 19 50 | 1 38 | 22 59 | 0 3 | 1 26 | 1 17 | 24 8 | 0 38 | 3 31 | 1 29 | 0 56 | 2 25 | 14 39 | 0 43 | 21 59 | 1 13 | 4 17 | 16 19 | 23 27 | 23 23 | 20 37 | 7 10 | 1 46 | T 21 |
| F 22 | 18 24 | 22 31 | 0 33 | 23 1 | 0s 6 | 0 57 | 1 24 | 24 8 | 0 38 | 3 30 | 1 30 | 0 58 | 2 24 | 14 37 | 0 43 | 21 59 | 1 13 | 4 17 | 16 20 | 23 27 | 23 22 | 20 36 | 7 10 | 1 46 | F 22 |
| S 23 | 18 9 | 24 6 | 0n32 | 23 2 | 0 15 | 0 28 | 1 31 | 24 7 | 0 39 | 3 30 | 1 30 | 1 1 | 2 24 | 14 36 | 0 43 | 21 59 | 1 13 | 4 18 | 16 20 | 23 27 | 23 22 | 20 34 | 7 11 | 1 45 | S 23 |
| S 24 | 17 52 | 24 34 | 1 35 | 23 2 | 0 23 | 0n 0 | 1 39 | 24 5 | 0 40 | 3 30 | 1 30 | 1 3 | 2 24 | 14 35 | 0 43 | 21 59 | 1 13 | 4 18 | 16 21 | 23 27 | 23 22 | 20 33 | 7 11 | 1 45 | S 24 |
| M25 | 17 36 | 23 54 | 2 34 | 23 0 | 0 31 | 0 29 | 1 46 | 24 4 | 0 40 | 3 29 | 1 30 | 1 5 | 2 24 | 14 34 | 0 43 | 22 0 | 1 13 | 4 19 | 16 22 | 23 27 | 23 22 | 20 31 | 7 12 | 1 45 | M25 |
| T 26 | 17 19 | 22 9 | 3 25 | 22 57 | 0 39 | 0 57 | 1 54 | 24 2 | 0 41 | 3 29 | 1 31 | 1 7 | 2 24 | 14 33 | 0 42 | 22 0 | 1 13 | 4 19 | 16 22 | 23 27 | 23 22 | 20 30 | 7 13 | 1 45 | T 26 |
| W27 | 17 2 | 19 26 | 4 8 | 22 54 | 0 46 | 1 26 | 2 1 | 24 0 | 0 42 | 3 28 | 1 31 | 1 10 | 2 23 | 14 32 | 0 42 | 22 0 | 1 13 | 4 20 | 16 23 | 23 26 | 23 22 | 20 28 | 7 13 | 1 45 | W27 |
| T 28 | 16 45 | 15 56 | 4 40 | 22 48 | 0 54 | 1 54 | 2 9 | 23 57 | 0 43 | 3 27 | 1 31 | 1 12 | 2 23 | 14 31 | 0 42 | 22 0 | 1 13 | 4 20 | 16 23 | 23 26 | 23 21 | 20 27 | 7 14 | 1 45 | T 28 |
| F 29 | 16 27 | 11 47 | 4 59 | 22 42 | 1 1 | 2 22 | 2 17 | 23 55 | 0 43 | 3 26 | 1 31 | 1 14 | 2 23 | 14 29 | 0 42 | 22 0 | 1 13 | 4 21 | 16 24 | 23 26 | 23 21 | 20 26 | 7 15 | 1 45 | F 29 |
| S 30 | 16 9 | 7 9 | 5 6 | 22 34 | 1 7 | 2 49 | 2 25 | 23 52 | 0 44 | 3 26 | 1 32 | 1 17 | 2 23 | 14 28 | 0 42 | 22 0 | 1 13 | 4 21 | 16 24 | 23 25 | 23 21 | 20 24 | 7 15 | 1 44 | S 30 |
| S 31 | 15s51 | 2n13 | 4n59 | 22s25 | 1s14 | 3n17 | 2n33 | 23s49 | 0s45 | 3s25 | 1n32 | 1n19 | 2s23 | 14s27 | 0s42 | 22s 0 | 1n13 | 4n22 | 16n25 | 23n25 | 23n21 | 20n23 | 7n16 | 1n44 | S 31 |

Julian Day Number = 2085212.5, Delta T = 24m38s
Ecliptic obliquity = 23°34'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'39, Lahiri = 9°52'39 Julian Calendar 1 Jan. 997 == Greg. Calendar 6 Jan. 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## FEBRUARY 997 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 9 5 35 | 17♒56'12 | 18♎ 9 | 26♑39 | 3♈11 | 12♑14 | 12°R 6 | 8♈53 | 23♒29 | 20♐26 | 28°R28 | 23°R25 | 22♊17 | 14♌56 | 14♈20 | M 1 |
| T 2 | 9 9 32 | 18°56'35 | 0♏37 | 28° 7 | 4° 0 | 13° 0 | 12♎ 4 | 8°58 | 23°32 | 20°27 | 28♎28 | 23♊21 | 22°14 | 15° 3 | 14°23 | T 2 |
| W 3 | 9 13 29 | 19°56'57 | 13°21 | 29°36 | 4°47 | 13°45 | 12° 2 | 9° 4 | 23°36 | 20°29 | 28°28 | 23°19 | 22°11 | 15°10 | 14°25 | W 3 |
| T 4 | 9 17 25 | 20°57'17 | 26°25 | 1♒ 6 | 5°34 | 14°31 | 11°59 | 9°10 | 23°39 | 20°30 | 28°27 | 23°D19 | 22° 8 | 15°16 | 14°28 | T 4 |
| F 5 | 9 21 22 | 21°57'36 | 9♐52 | 2°37 | 6°20 | 15°17 | 11°57 | 9°16 | 23°43 | 20°31 | 28°27 | 23°20 | 22° 5 | 15°23 | 14°30 | F 5 |
| S 6 | 9 25 18 | 22°57'53 | 23°45 | 4° 9 | 7° 5 | 16° 2 | 11°54 | 9°22 | 23°46 | 20°33 | 28°27 | 23°R20 | 22° 1 | 15°30 | 14°33 | S 6 |
| S 7 | 9 29 15 | 23°58'09 | 8♑ 5 | 5°42 | 7°49 | 16°48 | 11°51 | 9°28 | 23°49 | 20°34 | 28°26 | 23°19 | 21°58 | 15°36 | 14°35 | S 7 |
| M 8 | 9 33 11 | 24°58'24 | 22°50 | 7°17 | 8°32 | 17°34 | 11°47 | 9°35 | 23°53 | 20°35 | 28°26 | 23°16 | 21°55 | 15°43 | 14°38 | M 8 |
| T 9 | 9 37 8 | 25°58'37 | 7♒55 | 8°52 | 9°14 | 18°19 | 11°44 | 9°41 | 23°56 | 20°36 | 28°25 | 23°11 | 21°52 | 15°50 | 14°40 | T 9 |
| W10 | 9 41 5 | 26°58'48 | 23°12 | 10°28 | 9°54 | 19° 5 | 11°40 | 9°47 | 24° 0 | 20°38 | 28°25 | 23° 2 | 21°49 | 15°57 | 14°43 | W10 |
| T 11 | 9 45 1 | 27°58'56 | 8♓30 | 12° 6 | 10°34 | 19°51 | 11°37 | 9°53 | 24° 3 | 20°39 | 28°24 | 22°53 | 21°46 | 16° 3 | 14°46 | T 11 |
| F 12 | 9 48 58 | 28°59'03 | 23°37 | 13°44 | 11°12 | 20°37 | 11°33 | 10° 0 | 24° 7 | 20°40 | 28°23 | 22°42 | 21°42 | 16°10 | 14°48 | F 12 |
| S 13 | 9 52 54 | 29°59'08 | 8♈23 | 15°24 | 11°49 | 21°22 | 11°29 | 10° 6 | 24°10 | 20°41 | 28°23 | 22°33 | 21°39 | 16°17 | 14°51 | S 13 |
| S 14 | 9 56 51 | 0♓59'11 | 22°42 | 17° 5 | 12°24 | 22° 8 | 11°24 | 10°13 | 24°14 | 20°42 | 28°22 | 22°25 | 21°36 | 16°23 | 14°54 | S 14 |
| M15 | 10 0 47 | 1°59'12 | 6♉32 | 18°46 | 12°58 | 22°54 | 11°20 | 10°19 | 24°17 | 20°43 | 28°21 | 22°20 | 21°33 | 16°30 | 14°57 | M15 |
| T 16 | 10 4 44 | 2°59'10 | 19°51 | 20°29 | 13°31 | 23°40 | 11°15 | 10°26 | 24°20 | 20°44 | 28°21 | 22°18 | 21°30 | 16°37 | 15° 0 | T 16 |
| W17 | 10 8 40 | 3°59'06 | 2♊44 | 22°13 | 14° 2 | 24°26 | 11°11 | 10°33 | 24°24 | 20°45 | 28°20 | 22°D17 | 21°27 | 16°43 | 15° 3 | W17 |
| T 18 | 10 12 37 | 4°59'00 | 15°14 | 23°58 | 14°32 | 25°12 | 11° 6 | 10°39 | 24°27 | 20°46 | 28°19 | 22°17 | 21°23 | 16°50 | 15° 6 | T 18 |
| F 19 | 10 16 33 | 5°58'52 | 27°27 | 25°45 | 15° 0 | 25°58 | 11° 1 | 10°46 | 24°31 | 20°47 | 28°18 | 22°R17 | 21°20 | 16°57 | 15° 8 | F 19 |
| S 20 | 10 20 30 | 6°58'41 | 9♋27 | 27°32 | 15°26 | 26°43 | 10°56 | 10°53 | 24°34 | 20°48 | 28°18 | 22°16 | 21°17 | 17° 4 | 15°11 | S 20 |
| S 21 | 10 24 27 | 7°58'29 | 21°20 | 29°21 | 15°51 | 27°29 | 10°50 | 11° 0 | 24°37 | 20°48 | 28°17 | 22°12 | 21°14 | 17°10 | 15°15 | S 21 |
| M22 | 10 28 23 | 8°58'14 | 3♌ 9 | 1♓10 | 16°14 | 28°15 | 10°45 | 11° 7 | 24°41 | 20°49 | 28°16 | 22° 6 | 21°11 | 17°17 | 15°18 | M22 |
| T 23 | 10 32 20 | 9°57'56 | 14°58 | 3° 1 | 16°34 | 29° 1 | 10°39 | 11°14 | 24°44 | 20°50 | 28°15 | 21°57 | 21° 7 | 17°24 | 15°21 | T 23 |
| W24 | 10 36 16 | 10°57'37 | 26°50 | 4°54 | 16°53 | 29°47 | 10°33 | 11°21 | 24°48 | 20°51 | 28°14 | 21°45 | 21° 4 | 17°30 | 15°24 | W24 |
| T 25 | 10 40 13 | 11°57'15 | 8♍46 | 6°47 | 17°10 | 0♒33 | 10°28 | 11°28 | 24°51 | 20°52 | 28°13 | 21°32 | 21° 1 | 17°37 | 15°27 | T 25 |
| F 26 | 10 44 9 | 12°56'52 | 20°48 | 8°42 | 17°25 | 1°19 | 10°22 | 11°35 | 24°54 | 20°52 | 28°12 | 21°17 | 20°58 | 17°44 | 15°30 | F 26 |
| S 27 | 10 48 6 | 13°56'26 | 2♎57 | 10°37 | 17°38 | 2° 5 | 10°15 | 11°42 | 24°58 | 20°53 | 28°11 | 21° 3 | 20°55 | 17°50 | 15°33 | S 27 |
| S 28 | 10 52 2 | 14♓55'58 | 15♎14 | 12♓34 | 17♈49 | 2♒51 | 10♎ 9 | 11♈49 | 25♒ 1 | 20♐53 | 28♎10 | 20♊51 | 20♊52 | 17♌57 | 15♈37 | S 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| M 1 | 15s32 | 2s52 | 4n38 | 22s15 | 1s20 | 3n44 | 2n41 | 23s45 | 0s45 | 3s24 | 1n32 | 1n22 | 2s22 | 14s26 | 0s42 | 22s 0 | 1n13 | 4n22 | 16n25 | 23n24 | 23n21 | 20n21 | 7n17 | 1n44 | M 1 |
| T 2 | 15 14 | 7 56 | 4 4 | 22 3 | 1 25 | 4 11 | 2 49 | 23 42 | 0 46 | 3 23 | 1 32 | 1 24 | 2 22 | 14 25 | 0 42 | 22 0 | 1 13 | 4 23 | 16 26 | 23 24 | 23 20 | 20 20 | 7 18 | 1 44 | T 2 |
| W 3 | 14 55 | 12 48 | 3 17 | 21 50 | 1 31 | 4 37 | 2 57 | 23 38 | 0 47 | 3 22 | 1 33 | 1 26 | 2 22 | 14 24 | 0 42 | 22 0 | 1 13 | 4 23 | 16 26 | 23 24 | 23 20 | 20 18 | 7 18 | 1 44 | W 3 |
| T 4 | 14 35 | 17 12 | 2 19 | 21 35 | 1 36 | 5 4 | 3 6 | 23 34 | 0 47 | 3 20 | 1 33 | 1 29 | 2 22 | 14 23 | 0 42 | 22 0 | 1 13 | 4 24 | 16 27 | 23 24 | 23 20 | 20 17 | 7 19 | 1 44 | T 4 |
| F 5 | 14 16 | 20 52 | 1 12 | 21 19 | 1 41 | 5 30 | 3 14 | 23 29 | 0 48 | 3 19 | 1 33 | 1 32 | 2 22 | 14 21 | 0 42 | 22 0 | 1 13 | 4 25 | 16 27 | 23 24 | 23 20 | 20 15 | 7 20 | 1 44 | F 5 |
| S 6 | 13 56 | 23 27 | 0s 2 | 21 2 | 1 45 | 5 55 | 3 22 | 23 24 | 0 49 | 3 18 | 1 33 | 1 34 | 2 21 | 14 20 | 0 42 | 22 0 | 1 14 | 4 25 | 16 28 | 23 24 | 23 20 | 20 13 | 7 21 | 1 43 | S 6 |
| S 7 | 13 36 | 24 37 | 1 18 | 20 43 | 1 49 | 6 21 | 3 31 | 23 19 | 0 49 | 3 16 | 1 34 | 1 37 | 2 21 | 14 19 | 0 42 | 22 1 | 1 14 | 4 26 | 16 28 | 23 24 | 23 19 | 20 12 | 7 22 | 1 43 | S 7 |
| M 8 | 13 16 | 24 6 | 2 31 | 20 22 | 1 53 | 6 45 | 3 39 | 23 14 | 0 50 | 3 15 | 1 34 | 1 39 | 2 21 | 14 18 | 0 42 | 22 1 | 1 14 | 4 26 | 16 28 | 23 24 | 23 19 | 20 10 | 7 23 | 1 43 | M 8 |
| T 9 | 12 56 | 21 50 | 3 34 | 20 1 | 1 56 | 7 10 | 3 48 | 23 9 | 0 51 | 3 13 | 1 34 | 1 42 | 2 21 | 14 17 | 0 42 | 22 1 | 1 14 | 4 27 | 16 29 | 23 24 | 23 19 | 20 9 | 7 24 | 1 43 | T 9 |
| W10 | 12 35 | 18 0 | 4 23 | 19 37 | 1 59 | 7 34 | 3 57 | 23 3 | 0 51 | 3 12 | 1 34 | 1 44 | 2 21 | 14 16 | 0 42 | 22 1 | 1 14 | 4 28 | 16 29 | 23 23 | 23 19 | 20 7 | 7 25 | 1 43 | W10 |
| T 11 | 12 14 | 12 57 | 4 54 | 19 13 | 2 2 | 7 58 | 4 6 | 22 57 | 0 52 | 3 10 | 1 35 | 1 47 | 2 21 | 14 15 | 0 42 | 22 1 | 1 14 | 4 28 | 16 30 | 23 23 | 23 19 | 20 6 | 7 25 | 1 43 | T 11 |
| F 12 | 11 53 | 7 11 | 5 3 | 18 46 | 2 4 | 8 21 | 4 14 | 22 51 | 0 53 | 3 8 | 1 35 | 1 50 | 2 20 | 14 13 | 0 42 | 22 1 | 1 14 | 4 29 | 16 30 | 23 22 | 23 19 | 20 4 | 7 26 | 1 43 | F 12 |
| S 13 | 11 32 | 1 7 | 4 52 | 18 19 | 2 6 | 8 44 | 4 23 | 22 45 | 0 54 | 3 6 | 1 35 | 1 52 | 2 20 | 14 12 | 0 42 | 22 1 | 1 14 | 4 29 | 16 31 | 23 22 | 23 18 | 20 3 | 7 27 | 1 42 | S 13 |
| S 14 | 11 11 | 4n49 | 4 22 | 17 49 | 2 7 | 9 6 | 4 32 | 22 38 | 0 54 | 3 5 | 1 35 | 1 55 | 2 20 | 14 11 | 0 43 | 22 1 | 1 14 | 4 30 | 16 31 | 23 21 | 23 18 | 20 1 | 7 28 | 1 42 | S 14 |
| M15 | 10 50 | 10 20 | 3 38 | 17 19 | 2 8 | 9 27 | 4 41 | 22 31 | 0 55 | 3 3 | 1 35 | 1 58 | 2 20 | 14 10 | 0 43 | 22 1 | 1 14 | 4 31 | 16 32 | 23 21 | 23 18 | 20 0 | 7 29 | 1 42 | M15 |
| T 16 | 10 28 | 15 11 | 2 43 | 16 46 | 2 9 | 9 48 | 4 50 | 22 24 | 0 56 | 3 1 | 1 36 | 2 1 | 2 20 | 14 9 | 0 43 | 22 1 | 1 14 | 4 31 | 16 32 | 23 21 | 23 18 | 19 58 | 7 30 | 1 42 | T 16 |
| W17 | 10 6 | 19 9 | 1 42 | 16 13 | 2 9 | 10 9 | 4 59 | 22 16 | 0 56 | 2 59 | 1 36 | 2 3 | 2 20 | 14 8 | 0 43 | 22 1 | 1 14 | 4 32 | 16 33 | 23 21 | 23 18 | 19 56 | 7 31 | 1 42 | W17 |
| T 18 | 9 44 | 22 8 | 0 37 | 15 37 | 2 9 | 10 29 | 5 8 | 22 9 | 0 57 | 2 57 | 1 36 | 2 6 | 2 20 | 14 7 | 0 43 | 22 1 | 1 14 | 4 33 | 16 33 | 23 21 | 23 17 | 19 55 | 7 32 | 1 42 | T 18 |
| F 19 | 9 22 | 24 0 | 0n27 | 15 1 | 2 8 | 10 48 | 5 16 | 22 1 | 0 57 | 2 54 | 1 36 | 2 9 | 2 19 | 14 5 | 0 43 | 22 1 | 1 14 | 4 33 | 16 33 | 23 21 | 23 17 | 19 53 | 7 33 | 1 42 | F 19 |
| S 20 | 9 0 | 24 43 | 1 30 | 14 22 | 2 6 | 11 6 | 5 25 | 21 53 | 0 58 | 2 52 | 1 36 | 2 12 | 2 19 | 14 4 | 0 43 | 22 1 | 1 14 | 4 34 | 16 34 | 23 21 | 23 17 | 19 52 | 7 35 | 1 42 | S 20 |
| S 21 | 8 37 | 24 18 | 2 27 | 13 43 | 2 5 | 11 24 | 5 34 | 21 44 | 0 59 | 2 50 | 1 37 | 2 15 | 2 19 | 14 3 | 0 43 | 22 1 | 1 14 | 4 35 | 16 34 | 23 20 | 23 17 | 19 50 | 7 36 | 1 41 | S 21 |
| M22 | 8 15 | 22 46 | 3 18 | 13 1 | 2 2 | 11 41 | 5 43 | 21 36 | 0 59 | 2 48 | 1 37 | 2 17 | 2 19 | 14 2 | 0 43 | 22 1 | 1 14 | 4 36 | 16 35 | 23 20 | 23 16 | 19 48 | 7 37 | 1 41 | M22 |
| T 23 | 7 52 | 20 16 | 4 1 | 12 19 | 2 0 | 11 57 | 5 51 | 21 27 | 1 0 | 2 45 | 1 37 | 2 20 | 2 19 | 14 1 | 0 43 | 22 1 | 1 14 | 4 36 | 16 35 | 23 19 | 23 16 | 19 47 | 7 38 | 1 41 | T 23 |
| W24 | 7 30 | 16 54 | 4 32 | 11 34 | 1 56 | 12 12 | 6 0 | 21 18 | 1 1 | 2 43 | 1 37 | 2 23 | 2 19 | 14 0 | 0 43 | 22 1 | 1 14 | 4 37 | 16 36 | 23 19 | 23 16 | 19 45 | 7 39 | 1 41 | W24 |
| T 25 | 7 7 | 12 50 | 4 52 | 10 49 | 1 53 | 12 26 | 6 8 | 21 8 | 1 1 | 2 40 | 1 37 | 2 26 | 2 19 | 13 59 | 0 43 | 22 1 | 1 14 | 4 38 | 16 36 | 23 18 | 23 16 | 19 43 | 7 40 | 1 41 | T 25 |
| F 26 | 6 44 | 8 15 | 5 0 | 10 2 | 1 48 | 12 40 | 6 17 | 20 59 | 1 2 | 2 38 | 1 37 | 2 29 | 2 19 | 13 58 | 0 43 | 22 1 | 1 14 | 4 38 | 16 36 | 23 17 | 23 16 | 19 42 | 7 41 | 1 41 | F 26 |
| S 27 | 6 21 | 3 18 | 4 53 | 9 13 | 1 43 | 12 52 | 6 25 | 20 49 | 1 3 | 2 35 | 1 38 | 2 32 | 2 18 | 13 56 | 0 43 | 22 1 | 1 14 | 4 39 | 16 37 | 23 16 | 23 15 | 19 40 | 7 42 | 1 41 | S 27 |
| S 28 | 5s58 | 1s49 | 4n33 | 8s23 | 1s38 | 13n 4 | 6n33 | 20s39 | 1s 3 | 2s33 | 1n38 | 2n35 | 2s18 | 13s55 | 0s43 | 22s 1 | 1n14 | 4n40 | 16n37 | 23n15 | 23n15 | 19n39 | 7n43 | 1n41 | S 28 |

Julian Day Number = 2085243.5, Delta T = 24m37s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'43, Lahiri = 9°52'44 Julian Calendar 1 Feb. 997 == Greg. Calendar 6 Feb. 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## MARCH 997 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 10 55 59 | 15♓55'29 | 27♎39 | 14♓32 | 17♈57 | 3♒37 | 10°R 3 | 11♈56 | 25♒ 4 | 20♐54 | 28°R 9 | 20°R41 | 20♊48 | 18♌ 4 | 15♈40 | M 1 |
| T 2 | 10 59 56 | 16°54'57 | 10♏15 | 16°31 | 18° 3 | 4°23 | 9♎56 | 12° 3 | 25° 7 | 20°55 | 28♎ 7 | 20♊35 | 20°45 | 18°11 | 15°43 | T 2 |
| W 3 | 11 3 52 | 17°54'24 | 23° 4 | 18°30 | 18° 7 | 5° 9 | 9°50 | 12°10 | 25°11 | 20°55 | 28° 6 | 20°31 | 20°42 | 18°17 | 15°46 | W 3 |
| T 4 | 11 7 49 | 18°53'49 | 6♐ 8 | 20°31 | 18°R 8 | 5°55 | 9°43 | 12°18 | 25°14 | 20°56 | 28° 5 | 20°29 | 20°39 | 18°24 | 15°50 | T 4 |
| F 5 | 11 11 45 | 19°53'12 | 19°31 | 22°33 | 18° 7 | 6°41 | 9°36 | 12°25 | 25°17 | 20°56 | 28° 4 | 20°29 | 20°36 | 18°31 | 15°53 | F 5 |
| S 6 | 11 15 42 | 20°52'33 | 3♑15 | 24°34 | 18° 3 | 7°27 | 9°29 | 12°32 | 25°20 | 20°56 | 28° 3 | 20°29 | 20°33 | 18°37 | 15°56 | S 6 |
| S 7 | 11 19 38 | 21°51'53 | 17°21 | 26°37 | 17°58 | 8°14 | 9°23 | 12°40 | 25°24 | 20°57 | 28° 1 | 20°27 | 20°29 | 18°44 | 16° 0 | S 7 |
| M 8 | 11 23 35 | 22°51'11 | 1♒49 | 28°39 | 17°49 | 9° 0 | 9°15 | 12°47 | 25°27 | 20°57 | 28° 0 | 20°24 | 20°26 | 18°51 | 16° 3 | M 8 |
| T 9 | 11 27 31 | 23°50'27 | 16°37 | 0♈42 | 17°38 | 9°46 | 9° 8 | 12°54 | 25°30 | 20°58 | 27°59 | 20°17 | 20°23 | 18°57 | 16° 7 | T 9 |
| W10 | 11 31 28 | 24°49'41 | 1♓37 | 2°44 | 17°25 | 10°32 | 9° 1 | 13° 2 | 25°33 | 20°58 | 27°58 | 20° 8 | 20°20 | 19° 4 | 16°10 | W10 |
| T 11 | 11 35 25 | 25°48'53 | 16°43 | 4°46 | 17° 9 | 11°18 | 8°54 | 13° 9 | 25°36 | 20°58 | 27°56 | 19°57 | 20°17 | 19°11 | 16°13 | T 11 |
| F 12 | 11 39 21 | 26°48'03 | 1♈43 | 6°47 | 16°51 | 12° 4 | 8°46 | 13°17 | 25°39 | 20°58 | 27°55 | 19°46 | 20°13 | 19°18 | 16°17 | F 12 |
| S 13 | 11 43 18 | 27°47'10 | 16°27 | 8°46 | 16°30 | 12°50 | 8°39 | 13°24 | 25°42 | 20°58 | 27°53 | 19°35 | 20°10 | 19°24 | 16°20 | S 13 |
| S 14 | 11 47 14 | 28°46'16 | 0♉49 | 10°44 | 16° 7 | 13°36 | 8°32 | 13°32 | 25°45 | 20°59 | 27°52 | 19°26 | 20° 7 | 19°31 | 16°24 | S 14 |
| M15 | 11 51 11 | 29°45'19 | 14°43 | 12°40 | 15°42 | 14°22 | 8°24 | 13°39 | 25°48 | 20°59 | 27°51 | 19°19 | 20° 4 | 19°38 | 16°27 | M15 |
| T 16 | 11 55 7 | 0♈44'20 | 28° 9 | 14°33 | 15°15 | 15° 9 | 8°17 | 13°47 | 25°51 | 20°59 | 27°49 | 19°16 | 20° 1 | 19°44 | 16°31 | T 16 |
| W17 | 11 59 4 | 1°43'19 | 11♊ 7 | 16°24 | 14°46 | 15°55 | 8° 9 | 13°54 | 25°54 | 20°59 | 27°48 | 19°14 | 19°58 | 19°51 | 16°35 | W17 |
| T 18 | 12 3 0 | 2°42'16 | 23°41 | 18°12 | 14°15 | 16°41 | 8° 1 | 14° 2 | 25°57 | 20°R59 | 27°46 | 19°D14 | 19°54 | 19°58 | 16°38 | T 18 |
| F 19 | 12 6 57 | 3°41'10 | 5♋56 | 19°56 | 13°43 | 17°27 | 7°54 | 14°10 | 26° 0 | 20°59 | 27°45 | 19°R14 | 19°51 | 20° 4 | 16°42 | F 19 |
| S 20 | 12 10 54 | 4°40'02 | 17°58 | 21°36 | 13° 9 | 18°13 | 7°46 | 14°17 | 26° 3 | 20°59 | 27°43 | 19°13 | 19°48 | 20°11 | 16°45 | S 20 |
| S 21 | 12 14 50 | 5°38'52 | 29°51 | 23°12 | 12°33 | 18°59 | 7°38 | 14°25 | 26° 6 | 20°59 | 27°42 | 19°11 | 19°45 | 20°18 | 16°49 | S 21 |
| M22 | 12 18 47 | 6°37'39 | 11♌41 | 24°44 | 11°57 | 19°45 | 7°31 | 14°33 | 26° 9 | 20°59 | 27°40 | 19° 6 | 19°42 | 20°25 | 16°52 | M22 |
| T 23 | 12 22 43 | 7°36'24 | 23°31 | 26°11 | 11°20 | 20°31 | 7°23 | 14°40 | 26°11 | 20°58 | 27°39 | 18°58 | 19°38 | 20°31 | 16°56 | T 23 |
| W24 | 12 26 40 | 8°35'06 | 5♍26 | 27°34 | 10°42 | 21°17 | 7°15 | 14°48 | 26°14 | 20°58 | 27°37 | 18°48 | 19°35 | 20°38 | 17° 0 | W24 |
| T 25 | 12 30 36 | 9°33'47 | 17°28 | 28°51 | 10° 4 | 22° 3 | 7° 8 | 14°56 | 26°17 | 20°58 | 27°35 | 18°36 | 19°32 | 20°45 | 17° 3 | T 25 |
| F 26 | 12 34 33 | 10°32'25 | 29°39 | 0♉ 3 | 9°26 | 22°49 | 7° 0 | 15° 3 | 26°20 | 20°58 | 27°34 | 18°24 | 19°29 | 20°51 | 17° 7 | F 26 |
| S 27 | 12 38 29 | 11°31'02 | 11♎59 | 1°10 | 8°48 | 23°35 | 6°52 | 15°11 | 26°22 | 20°57 | 27°32 | 18°12 | 19°26 | 20°58 | 17°11 | S 27 |
| S 28 | 12 42 26 | 12°29'36 | 24°31 | 2°12 | 8°11 | 24°21 | 6°45 | 15°19 | 26°25 | 20°57 | 27°31 | 18° 1 | 19°23 | 21° 5 | 17°14 | S 28 |
| M29 | 12 46 22 | 13°28'09 | 7♏12 | 3° 7 | 7°34 | 25° 7 | 6°37 | 15°26 | 26°28 | 20°57 | 27°29 | 17°52 | 19°19 | 21°12 | 17°18 | M29 |
| T 30 | 12 50 19 | 14°26'39 | 20° 5 | 3°57 | 6°59 | 25°54 | 6°29 | 15°34 | 26°30 | 20°56 | 27°27 | 17°46 | 19°16 | 21°18 | 17°21 | T 30 |
| W31 | 12 54 16 | 15♈25'08 | 3♐ 9 | 4♉42 | 6♈24 | 26♒40 | 6♎22 | 15♈42 | 26♒33 | 20♐56 | 27♎26 | 17♊43 | 19♊13 | 21♌25 | 17♈25 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 5s35 | 6s57 | 4n 0 | 7s32 | 1s32 | 13n14 | 6n41 | 20s29 | 1s 4 | 2s30 | 1n38 | 2n37 | 2s18 | 13s54 | 0s43 | 22s 1 | 1n14 | 4n40 | 16n37 | 23n14 | 23n15 | 19n37 | 7n45 | 1n41 |
| T 2 | 5 12 | 11 53 | 3 15 | 6 40 | 1 26 | 13 24 | 6 48 | 20 19 | 1 5 | 2 27 | 1 38 | 2 40 | 2 18 | 13 53 | 0 43 | 22 1 | 1 14 | 4 41 | 16 38 | 23 14 | 23 15 | 19 35 | 7 46 | 1 40 |
| W 3 | 4 48 | 16 24 | 2 19 | 5 46 | 1 18 | 13 32 | 6 56 | 20 8 | 1 5 | 2 25 | 1 38 | 2 43 | 2 18 | 13 52 | 0 43 | 22 1 | 1 14 | 4 42 | 16 38 | 23 14 | 23 14 | 19 34 | 7 47 | 1 40 |
| T 4 | 4 25 | 20 13 | 1 15 | 4 52 | 1 11 | 13 39 | 7 3 | 19 57 | 1 6 | 2 22 | 1 38 | 2 46 | 2 18 | 13 51 | 0 43 | 22 1 | 1 14 | 4 43 | 16 38 | 23 14 | 23 14 | 19 32 | 7 48 | 1 40 |
| F 5 | 4 2 | 23 4 | 0 5 | 3 56 | 1 3 | 13 44 | 7 9 | 19 46 | 1 6 | 2 19 | 1 38 | 2 49 | 2 18 | 13 50 | 0 43 | 22 1 | 1 14 | 4 43 | 16 39 | 23 14 | 23 14 | 19 30 | 7 49 | 1 40 |
| S 6 | 3 38 | 24 39 | 1s 7 | 3 0 | 0 54 | 13 49 | 7 16 | 19 35 | 1 7 | 2 16 | 1 38 | 2 52 | 2 18 | 13 49 | 0 43 | 22 1 | 1 14 | 4 44 | 16 39 | 23 14 | 23 14 | 19 29 | 7 51 | 1 40 |
| S 7 | 3 15 | 24 42 | 2 17 | 2 2 | 0 45 | 13 52 | 7 22 | 19 24 | 1 8 | 2 14 | 1 39 | 2 55 | 2 18 | 13 48 | 0 43 | 22 1 | 1 14 | 4 45 | 16 39 | 23 13 | 23 14 | 19 27 | 7 52 | 1 40 |
| M 8 | 2 51 | 23 6 | 3 20 | 1 4 | 0 35 | 13 54 | 7 27 | 19 12 | 1 8 | 2 11 | 1 39 | 2 58 | 2 18 | 13 47 | 0 43 | 22 1 | 1 14 | 4 45 | 16 40 | 23 13 | 23 13 | 19 25 | 7 53 | 1 40 |
| T 9 | 2 28 | 19 55 | 4 11 | 0 6 | 0 25 | 13 54 | 7 32 | 19 0 | 1 9 | 2 8 | 1 39 | 3 1 | 2 18 | 13 46 | 0 43 | 22 1 | 1 14 | 4 46 | 16 40 | 23 13 | 23 13 | 19 23 | 7 54 | 1 40 |
| W10 | 2 4 | 15 23 | 4 45 | 0n52 | 0 14 | 13 53 | 7 37 | 18 48 | 1 9 | 2 5 | 1 39 | 3 4 | 2 17 | 13 45 | 0 43 | 22 1 | 1 15 | 4 47 | 16 40 | 23 12 | 23 13 | 19 22 | 7 55 | 1 40 |
| T 11 | 1 40 | 9 52 | 5 0 | 1 51 | 0 4 | 13 51 | 7 40 | 18 36 | 1 10 | 2 2 | 1 39 | 3 7 | 2 17 | 13 44 | 0 43 | 22 1 | 1 15 | 4 48 | 16 41 | 23 11 | 23 13 | 19 20 | 7 57 | 1 40 |
| F 12 | 1 17 | 3 48 | 4 54 | 2 49 | 0n 8 | 13 47 | 7 44 | 18 24 | 1 11 | 1 59 | 1 39 | 3 10 | 2 17 | 13 43 | 0 43 | 22 1 | 1 15 | 4 48 | 16 41 | 23 10 | 23 12 | 19 18 | 7 58 | 1 39 |
| S 13 | 0 53 | 2n23 | 4 28 | 3 47 | 0 19 | 13 41 | 7 47 | 18 11 | 1 11 | 1 56 | 1 39 | 3 13 | 2 17 | 13 42 | 0 43 | 22 1 | 1 15 | 4 49 | 16 41 | 23 9 | 23 12 | 19 17 | 7 59 | 1 39 |
| S 14 | 0 29 | 8 17 | 3 46 | 4 44 | 0 31 | 13 34 | 7 49 | 17 58 | 1 12 | 1 53 | 1 39 | 3 16 | 2 17 | 13 41 | 0 43 | 22 1 | 1 15 | 4 50 | 16 41 | 23 9 | 23 12 | 19 15 | 8 1 | 1 39 |
| M15 | 0 6 | 13 36 | 2 52 | 5 41 | 0 42 | 13 25 | 7 50 | 17 46 | 1 12 | 1 50 | 1 39 | 3 19 | 2 17 | 13 40 | 0 43 | 22 1 | 1 15 | 4 50 | 16 42 | 23 8 | 23 12 | 19 13 | 8 2 | 1 39 |
| T 16 | 0n18 | 18 5 | 1 49 | 6 36 | 0 54 | 13 15 | 7 50 | 17 32 | 1 13 | 1 47 | 1 39 | 3 22 | 2 17 | 13 39 | 0 43 | 22 1 | 1 15 | 4 51 | 16 42 | 23 8 | 23 11 | 19 11 | 8 3 | 1 39 |
| W17 | 0 41 | 21 31 | 0 43 | 7 30 | 1 6 | 13 4 | 7 50 | 17 19 | 1 13 | 1 44 | 1 39 | 3 25 | 2 17 | 13 38 | 0 43 | 22 1 | 1 15 | 4 52 | 16 42 | 23 8 | 23 11 | 19 10 | 8 4 | 1 39 |
| T 18 | 1 5 | 23 49 | 0n24 | 8 22 | 1 17 | 12 51 | 7 49 | 17 6 | 1 14 | 1 41 | 1 39 | 3 28 | 2 17 | 13 37 | 0 43 | 22 1 | 1 15 | 4 53 | 16 42 | 23 8 | 23 11 | 19 8 | 8 6 | 1 39 |
| F 19 | 1 28 | 24 53 | 1 27 | 9 12 | 1 29 | 12 36 | 7 47 | 16 52 | 1 14 | 1 38 | 1 39 | 3 31 | 2 17 | 13 36 | 0 43 | 22 1 | 1 15 | 4 53 | 16 43 | 23 8 | 23 11 | 19 6 | 8 7 | 1 39 |
| S 20 | 1 52 | 24 46 | 2 26 | 10 0 | 1 40 | 12 20 | 7 45 | 16 38 | 1 15 | 1 35 | 1 39 | 3 34 | 2 17 | 13 35 | 0 43 | 22 1 | 1 15 | 4 54 | 16 43 | 23 8 | 23 11 | 19 4 | 8 8 | 1 39 |
| S 21 | 2 15 | 23 31 | 3 18 | 10 46 | 1 50 | 12 3 | 7 41 | 16 25 | 1 16 | 1 32 | 1 39 | 3 37 | 2 17 | 13 34 | 0 43 | 22 1 | 1 15 | 4 55 | 16 43 | 23 8 | 23 10 | 19 3 | 8 10 | 1 39 |
| M22 | 2 39 | 21 13 | 4 0 | 11 30 | 2 0 | 11 44 | 7 37 | 16 10 | 1 16 | 1 29 | 1 39 | 3 40 | 2 17 | 13 33 | 0 43 | 22 1 | 1 15 | 4 55 | 16 43 | 23 7 | 23 10 | 19 1 | 8 11 | 1 39 |
| T 23 | 3 2 | 18 2 | 4 33 | 12 11 | 2 10 | 11 25 | 7 31 | 15 56 | 1 17 | 1 26 | 1 39 | 3 43 | 2 17 | 13 32 | 0 43 | 22 1 | 1 15 | 4 56 | 16 43 | 23 7 | 23 10 | 18 59 | 8 12 | 1 39 |
| W24 | 3 25 | 14 7 | 4 54 | 12 49 | 2 19 | 11 4 | 7 25 | 15 42 | 1 17 | 1 23 | 1 39 | 3 46 | 2 17 | 13 31 | 0 43 | 22 1 | 1 15 | 4 57 | 16 43 | 23 6 | 23 10 | 18 57 | 8 14 | 1 38 |
| T 25 | 3 49 | 9 36 | 5 1 | 13 25 | 2 27 | 10 43 | 7 18 | 15 27 | 1 18 | 1 20 | 1 39 | 3 49 | 2 17 | 13 30 | 0 43 | 22 1 | 1 15 | 4 57 | 16 44 | 23 5 | 23 9 | 18 56 | 8 15 | 1 38 |
| F 26 | 4 12 | 4 40 | 4 56 | 13 57 | 2 34 | 10 20 | 7 10 | 15 13 | 1 18 | 1 17 | 1 39 | 3 52 | 2 17 | 13 29 | 0 43 | 22 1 | 1 15 | 4 58 | 16 44 | 23 4 | 23 9 | 18 54 | 8 16 | 1 38 |
| S 27 | 4 35 | 0s32 | 4 36 | 14 27 | 2 41 | 9 57 | 7 2 | 14 58 | 1 19 | 1 14 | 1 39 | 3 55 | 2 17 | 13 28 | 0 43 | 22 1 | 1 15 | 4 59 | 16 44 | 23 3 | 23 9 | 18 52 | 8 18 | 1 38 |
| S 28 | 4 58 | 5 46 | 4 3 | 14 54 | 2 46 | 9 34 | 6 52 | 14 43 | 1 19 | 1 11 | 1 39 | 3 58 | 2 17 | 13 27 | 0 43 | 22 1 | 1 15 | 4 59 | 16 44 | 23 2 | 23 9 | 18 50 | 8 19 | 1 38 |
| M29 | 5 21 | 10 52 | 3 18 | 15 18 | 2 51 | 9 10 | 6 42 | 14 28 | 1 20 | 1 8 | 1 39 | 4 1 | 2 17 | 13 26 | 0 43 | 22 1 | 1 15 | 5 0 | 16 44 | 23 1 | 23 8 | 18 48 | 8 20 | 1 38 |
| T 30 | 5 43 | 15 35 | 2 22 | 15 39 | 2 55 | 8 46 | 6 31 | 14 13 | 1 20 | 1 5 | 1 39 | 4 4 | 2 17 | 13 26 | 0 43 | 22 1 | 1 15 | 5 1 | 16 44 | 23 0 | 23 8 | 18 47 | 8 22 | 1 38 |
| W31 | 6n 6 | 19s39 | 1n17 | 15n56 | 2n57 | 8n22 | 6n20 | 13s57 | 1s21 | 1s 2 | 1n39 | 4n 7 | 2s17 | 13s25 | 0s43 | 22s 0 | 1n15 | 5n 1 | 16n44 | 23n 0 | 23n 8 | 18n45 | 8n23 | 1n38 |

Julian Day Number = 2085271.5, Delta T = 24m37s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'47, Lahiri = 9°52'48 Julian Calendar 1 March 997 == Greg. Calendar 6 March 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## APRIL 997 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 12 58 12 | 16♈23'36 | 16♐26 | 5♉20 | 5°R51 | 27♒26 | 6°R14 | 15♈49 | 26♒35 | 20°R56 | 27°R24 | 17°D42 | 19♊10 | 21♌32 | 17♈29 | T 1 |
| F 2 | 13 2 9 | 17°22'01 | 29°55 | 5°53 | 5♈19 | 28°12 | 6♎ 7 | 15°57 | 26°38 | 20♐55 | 27♎23 | 17♊43 | 19° 7 | 21°38 | 17°32 | F 2 |
| S 3 | 13 6 5 | 18°20'25 | 13♑40 | 6°20 | 4°49 | 28°58 | 6° 0 | 16° 5 | 26°40 | 20°55 | 27°21 | 17°R43 | 19° 4 | 21°45 | 17°36 | S 3 |
| S 4 | 13 10 2 | 19°18'48 | 27°40 | 6°41 | 4°21 | 29°44 | 5°52 | 16°12 | 26°43 | 20°54 | 27°19 | 17°43 | 19° 0 | 21°52 | 17°40 | S 4 |
| M 5 | 13 13 58 | 20°17'09 | 11♒55 | 6°56 | 3°55 | 0♓29 | 5°45 | 16°20 | 26°45 | 20°54 | 27°18 | 17°41 | 18°57 | 21°58 | 17°43 | M 5 |
| T 6 | 13 17 55 | 21°15'28 | 26°23 | 7° 6 | 3°31 | 1°15 | 5°38 | 16°28 | 26°47 | 20°53 | 27°16 | 17°37 | 18°54 | 22° 5 | 17°47 | T 6 |
| W 7 | 13 21 51 | 22°13'45 | 11♓ 0 | 7°R 9 | 3°10 | 2° 1 | 5°31 | 16°35 | 26°50 | 20°52 | 27°14 | 17°31 | 18°51 | 22°12 | 17°51 | W 7 |
| T 8 | 13 25 48 | 23°12'01 | 25°42 | 7° 8 | 2°50 | 2°47 | 5°23 | 16°43 | 26°52 | 20°52 | 27°12 | 17°23 | 18°48 | 22°19 | 17°54 | T 8 |
| F 9 | 13 29 45 | 24°10'16 | 10♈19 | 7° 1 | 2°33 | 3°33 | 5°16 | 16°51 | 26°54 | 20°51 | 27°11 | 17°15 | 18°44 | 22°25 | 17°58 | F 9 |
| S 10 | 13 33 41 | 25° 8'28 | 24°46 | 6°49 | 2°19 | 4°19 | 5°10 | 16°58 | 26°56 | 20°50 | 27° 9 | 17° 6 | 18°41 | 22°32 | 18° 2 | S 10 |
| S 11 | 13 37 38 | 26° 6'39 | 8♉55 | 6°32 | 2° 7 | 5° 5 | 5° 3 | 17° 6 | 26°59 | 20°50 | 27° 7 | 17° 0 | 18°38 | 22°39 | 18° 5 | S 11 |
| M12 | 13 41 34 | 27° 4'48 | 22°42 | 6°11 | 1°57 | 5°51 | 4°56 | 17°14 | 27° 1 | 20°49 | 27° 6 | 16°55 | 18°35 | 22°45 | 18° 9 | M12 |
| T 13 | 13 45 31 | 28° 2'55 | 6♊ 4 | 5°46 | 1°50 | 6°36 | 4°49 | 17°21 | 27° 3 | 20°48 | 27° 4 | 16°53 | 18°32 | 22°52 | 18°12 | T 13 |
| W14 | 13 49 27 | 29° 1'01 | 19° 3 | 5°17 | 1°45 | 7°22 | 4°43 | 17°29 | 27° 5 | 20°47 | 27° 2 | 16°D52 | 18°29 | 22°59 | 18°16 | W14 |
| T 15 | 13 53 24 | 29°59'04 | 1♋40 | 4°46 | 1°42 | 8° 8 | 4°37 | 17°36 | 27° 7 | 20°46 | 27° 1 | 16°53 | 18°25 | 23° 6 | 18°20 | T 15 |
| F 16 | 13 57 20 | 0♉57'06 | 13°58 | 4°12 | 1°D42 | 8°54 | 4°30 | 17°44 | 27° 9 | 20°45 | 26°59 | 16°54 | 18°22 | 23°12 | 18°23 | F 16 |
| S 17 | 14 1 17 | 1°55'05 | 26° 2 | 3°37 | 1°44 | 9°39 | 4°24 | 17°52 | 27°11 | 20°45 | 26°57 | 16°55 | 18°19 | 23°19 | 18°27 | S 17 |
| S 18 | 14 5 14 | 2°53'03 | 7♌58 | 3° 1 | 1°49 | 10°25 | 4°18 | 17°59 | 27°13 | 20°44 | 26°56 | 16°R55 | 18°16 | 23°26 | 18°30 | S 18 |
| M19 | 14 9 10 | 3°50'59 | 19°50 | 2°24 | 1°56 | 11°11 | 4°12 | 18° 7 | 27°14 | 20°43 | 26°54 | 16°54 | 18°13 | 23°32 | 18°34 | M19 |
| T 20 | 14 13 7 | 4°48'53 | 1♍43 | 1°47 | 2° 4 | 11°56 | 4° 6 | 18°14 | 27°16 | 20°42 | 26°52 | 16°51 | 18°10 | 23°39 | 18°38 | T 20 |
| W21 | 14 17 3 | 5°46'45 | 13°41 | 1°11 | 2°16 | 12°42 | 4° 1 | 18°22 | 27°18 | 20°41 | 26°51 | 16°46 | 18° 6 | 23°46 | 18°41 | W21 |
| T 22 | 14 21 0 | 6°44'35 | 25°47 | 0°37 | 2°29 | 13°27 | 3°55 | 18°29 | 27°20 | 20°40 | 26°49 | 16°39 | 18° 3 | 23°53 | 18°45 | T 22 |
| F 23 | 14 24 56 | 7°42'24 | 8♎ 6 | 0° 5 | 2°44 | 14°13 | 3°50 | 18°36 | 27°21 | 20°39 | 26°47 | 16°33 | 18° 0 | 23°59 | 18°48 | F 23 |
| S 24 | 14 28 53 | 8°40'11 | 20°38 | 29♈35 | 3° 1 | 14°58 | 3°44 | 18°44 | 27°23 | 20°38 | 26°46 | 16°26 | 17°57 | 24° 6 | 18°52 | S 24 |
| S 25 | 14 32 49 | 9°37'56 | 3♏24 | 29° 9 | 3°20 | 15°44 | 3°39 | 18°51 | 27°24 | 20°36 | 26°44 | 16°20 | 17°54 | 24°13 | 18°55 | S 25 |
| M26 | 14 36 46 | 10°35'40 | 16°25 | 28°45 | 3°40 | 16°29 | 3°34 | 18°59 | 27°26 | 20°35 | 26°42 | 16°16 | 17°50 | 24°19 | 18°59 | M26 |
| T 27 | 14 40 43 | 11°33'23 | 29°39 | 28°26 | 4° 3 | 17°14 | 3°30 | 19° 6 | 27°27 | 20°34 | 26°41 | 16°13 | 17°47 | 24°26 | 19° 2 | T 27 |
| W28 | 14 44 39 | 12°31'04 | 13♐ 6 | 28°11 | 4°27 | 18° 0 | 3°25 | 19°13 | 27°29 | 20°33 | 26°39 | 16°D12 | 17°44 | 24°33 | 19° 5 | W28 |
| T 29 | 14 48 36 | 13°28'44 | 26°44 | 27°59 | 4°53 | 18°45 | 3°20 | 19°20 | 27°30 | 20°32 | 26°38 | 16°12 | 17°41 | 24°39 | 19° 9 | T 29 |
| F 30 | 14 52 32 | 14♉26'23 | 10♑32 | 27♈53 | 5♈21 | 19♓30 | 3♎16 | 19♈28 | 27♒32 | 20♐31 | 26♎36 | 16♊13 | 17♊38 | 24♌46 | 19♈12 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n29 | 22s46 | 0n 7 | 16n11 | 2n59 | 7n58 | 6n 8 | 13s42 | 1s21 | 0s59 | 1n39 | 4n10 | 2s17 | 13s24 | 0s43 | 22s 0 | 1n15 | 5n 2 | 16n44 | 23n 0 | 23n 7 | 18n43 | 8n24 | 1n38 |
| F 2 | 6 51 | 24 39 | 1s 5 | 16 22 | 2 59 | 7 34 | 5 56 | 13 26 | 1 21 | 0 56 | 1 39 | 4 13 | 2 17 | 13 23 | 0 43 | 22 0 | 1 15 | 5 3 | 16 44 | 23 0 | 23 7 | 18 41 | 8 26 | 1 38 |
| S 3 | 7 14 | 25 5 | 2 14 | 16 30 | 2 58 | 7 10 | 5 43 | 13 11 | 1 22 | 0 53 | 1 39 | 4 15 | 2 17 | 13 22 | 0 43 | 22 0 | 1 15 | 5 3 | 16 45 | 23 0 | 23 7 | 18 39 | 8 27 | 1 38 |
| S 4 | 7 36 | 23 57 | 3 17 | 16 35 | 2 56 | 6 47 | 5 30 | 12 55 | 1 22 | 0 50 | 1 39 | 4 18 | 2 17 | 13 21 | 0 43 | 22 0 | 1 15 | 5 4 | 16 45 | 23 0 | 23 7 | 18 37 | 8 28 | 1 38 |
| M 5 | 7 58 | 21 17 | 4 8 | 16 37 | 2 53 | 6 24 | 5 17 | 12 39 | 1 23 | 0 47 | 1 38 | 4 21 | 2 17 | 13 21 | 0 43 | 22 0 | 1 15 | 5 5 | 16 45 | 23 0 | 23 6 | 18 36 | 8 30 | 1 38 |
| T 6 | 8 20 | 17 15 | 4 45 | 16 36 | 2 48 | 6 2 | 5 3 | 12 23 | 1 23 | 0 45 | 1 38 | 4 24 | 2 17 | 13 20 | 0 43 | 22 0 | 1 15 | 5 5 | 16 45 | 22 59 | 23 6 | 18 34 | 8 31 | 1 38 |
| W 7 | 8 42 | 12 9 | 5 3 | 16 32 | 2 42 | 5 41 | 4 49 | 12 7 | 1 24 | 0 42 | 1 38 | 4 27 | 2 17 | 13 19 | 0 44 | 22 0 | 1 15 | 5 6 | 16 45 | 22 59 | 23 6 | 18 32 | 8 32 | 1 38 |
| T 8 | 9 4 | 6 20 | 5 2 | 16 25 | 2 35 | 5 20 | 4 35 | 11 51 | 1 24 | 0 39 | 1 38 | 4 30 | 2 17 | 13 18 | 0 44 | 22 0 | 1 15 | 5 6 | 16 45 | 22 58 | 23 6 | 18 30 | 8 34 | 1 37 |
| F 9 | 9 25 | 0 12 | 4 41 | 16 14 | 2 27 | 5 1 | 4 21 | 11 34 | 1 24 | 0 36 | 1 38 | 4 33 | 2 17 | 13 18 | 0 44 | 22 0 | 1 15 | 5 7 | 16 45 | 22 57 | 23 5 | 18 28 | 8 35 | 1 37 |
| S 10 | 9 47 | 5n53 | 4 2 | 16 1 | 2 17 | 4 42 | 4 7 | 11 18 | 1 25 | 0 34 | 1 38 | 4 36 | 2 17 | 13 17 | 0 44 | 22 0 | 1 15 | 5 8 | 16 45 | 22 56 | 23 5 | 18 26 | 8 36 | 1 37 |
| S 11 | 10 8 | 11 33 | 3 9 | 15 45 | 2 6 | 4 24 | 3 53 | 11 1 | 1 25 | 0 31 | 1 38 | 4 39 | 2 17 | 13 16 | 0 44 | 22 0 | 1 16 | 5 8 | 16 45 | 22 56 | 23 5 | 18 24 | 8 38 | 1 37 |
| M12 | 10 29 | 16 31 | 2 6 | 15 27 | 1 54 | 4 8 | 3 39 | 10 45 | 1 26 | 0 29 | 1 38 | 4 42 | 2 17 | 13 15 | 0 44 | 22 0 | 1 16 | 5 9 | 16 45 | 22 55 | 23 5 | 18 23 | 8 39 | 1 37 |
| T 13 | 10 50 | 20 29 | 0 58 | 15 6 | 1 41 | 3 52 | 3 25 | 10 28 | 1 26 | 0 26 | 1 37 | 4 45 | 2 17 | 13 15 | 0 44 | 22 0 | 1 16 | 5 9 | 16 45 | 22 55 | 23 4 | 18 21 | 8 40 | 1 37 |
| W14 | 11 11 | 23 19 | 0n12 | 14 43 | 1 26 | 3 38 | 3 12 | 10 11 | 1 26 | 0 24 | 1 37 | 4 48 | 2 17 | 13 14 | 0 44 | 21 59 | 1 16 | 5 10 | 16 45 | 22 55 | 23 4 | 18 19 | 8 42 | 1 37 |
| T 15 | 11 32 | 24 53 | 1 19 | 14 18 | 1 11 | 3 24 | 2 58 | 9 54 | 1 27 | 0 21 | 1 37 | 4 50 | 2 17 | 13 13 | 0 44 | 21 59 | 1 16 | 5 10 | 16 44 | 22 55 | 23 4 | 18 17 | 8 43 | 1 37 |
| F 16 | 11 52 | 25 10 | 2 21 | 13 52 | 0 55 | 3 12 | 2 45 | 9 37 | 1 27 | 0 19 | 1 37 | 4 53 | 2 17 | 13 13 | 0 44 | 21 59 | 1 16 | 5 11 | 16 44 | 22 55 | 23 3 | 18 15 | 8 44 | 1 37 |
| S 17 | 12 12 | 24 15 | 3 16 | 13 24 | 0 39 | 3 1 | 2 32 | 9 20 | 1 27 | 0 17 | 1 37 | 4 56 | 2 17 | 13 12 | 0 44 | 21 59 | 1 16 | 5 11 | 16 44 | 22 55 | 23 3 | 18 13 | 8 46 | 1 37 |
| S 18 | 12 32 | 22 15 | 4 1 | 12 56 | 0 22 | 2 51 | 2 19 | 9 3 | 1 28 | 0 14 | 1 37 | 4 59 | 2 17 | 13 12 | 0 44 | 21 59 | 1 16 | 5 12 | 16 44 | 22 55 | 23 3 | 18 11 | 8 47 | 1 37 |
| M19 | 12 52 | 19 18 | 4 36 | 12 27 | 0 5 | 2 42 | 2 6 | 8 46 | 1 28 | 0 12 | 1 36 | 5 2 | 2 17 | 13 11 | 0 44 | 21 59 | 1 16 | 5 12 | 16 44 | 22 55 | 23 3 | 18 9 | 8 48 | 1 37 |
| T 20 | 13 12 | 15 34 | 4 59 | 11 58 | 0s12 | 2 34 | 1 53 | 8 29 | 1 28 | 0 10 | 1 36 | 5 5 | 2 17 | 13 10 | 0 44 | 21 59 | 1 16 | 5 13 | 16 44 | 22 55 | 23 2 | 18 7 | 8 50 | 1 37 |
| W21 | 13 31 | 11 12 | 5 9 | 11 29 | 0 30 | 2 27 | 1 41 | 8 12 | 1 29 | 0 8 | 1 36 | 5 7 | 2 17 | 13 10 | 0 44 | 21 59 | 1 16 | 5 13 | 16 44 | 22 54 | 23 2 | 18 5 | 8 51 | 1 37 |
| T 22 | 13 50 | 6 21 | 5 5 | 11 1 | 0 47 | 2 21 | 1 29 | 7 54 | 1 29 | 0 6 | 1 36 | 5 10 | 2 17 | 13 9 | 0 44 | 21 59 | 1 16 | 5 14 | 16 44 | 22 54 | 23 2 | 18 4 | 8 52 | 1 37 |
| F 23 | 14 9 | 1 11 | 4 48 | 10 34 | 1 3 | 2 17 | 1 18 | 7 37 | 1 29 | 0 4 | 1 36 | 5 13 | 2 17 | 13 9 | 0 44 | 21 59 | 1 16 | 5 14 | 16 44 | 22 53 | 23 1 | 18 2 | 8 54 | 1 37 |
| S 24 | 14 28 | 4s 8 | 4 16 | 10 9 | 1 20 | 2 13 | 1 6 | 7 20 | 1 30 | 0 2 | 1 36 | 5 16 | 2 17 | 13 8 | 0 44 | 21 59 | 1 16 | 5 14 | 16 43 | 22 52 | 23 1 | 18 0 | 8 55 | 1 37 |
| S 25 | 14 47 | 9 24 | 3 32 | 9 45 | 1 35 | 2 11 | 0 55 | 7 2 | 1 30 | 0 0 | 1 35 | 5 18 | 2 17 | 13 8 | 0 44 | 21 58 | 1 16 | 5 15 | 16 43 | 22 52 | 23 1 | 17 58 | 8 56 | 1 37 |
| M26 | 15 5 | 14 22 | 2 35 | 9 23 | 1 50 | 2 9 | 0 45 | 6 45 | 1 30 | 0n 2 | 1 35 | 5 21 | 2 17 | 13 7 | 0 44 | 21 58 | 1 16 | 5 15 | 16 43 | 22 51 | 23 1 | 17 56 | 8 58 | 1 37 |
| T 27 | 15 23 | 18 44 | 1 29 | 9 3 | 2 4 | 2 9 | 0 34 | 6 27 | 1 31 | 0 3 | 1 35 | 5 24 | 2 18 | 13 7 | 0 44 | 21 58 | 1 16 | 5 16 | 16 43 | 22 51 | 23 0 | 17 54 | 8 59 | 1 37 |
| W28 | 15 41 | 22 13 | 0 17 | 8 45 | 2 17 | 2 9 | 0 24 | 6 10 | 1 31 | 0 5 | 1 35 | 5 27 | 2 18 | 13 6 | 0 44 | 21 58 | 1 16 | 5 16 | 16 43 | 22 51 | 23 0 | 17 52 | 9 0 | 1 37 |
| T 29 | 15 58 | 24 29 | 0s57 | 8 29 | 2 29 | 2 10 | 0 14 | 5 52 | 1 31 | 0 7 | 1 34 | 5 29 | 2 18 | 13 6 | 0 44 | 21 58 | 1 16 | 5 16 | 16 43 | 22 51 | 23 0 | 17 50 | 9 1 | 1 37 |
| F 30 | 16n15 | 25s18 | 2s 9 | 8n17 | 2s41 | 2n12 | 0n 5 | 5s34 | 1s31 | 0n 8 | 1n34 | 5n32 | 2s18 | 13s 5 | 0s44 | 21s58 | 1n16 | 5n17 | 16n42 | 22n51 | 22n59 | 17n48 | 9n 3 | 1n37 |

Julian Day Number = 2085302.5, Delta T = 24m36s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'51, Lahiri = 9°52'52 Julian Calendar 1 Apr. 997 == Greg. Calendar 6 Apr. 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## MAY 997 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 56 29 | 15♉24'01 | 24♋30 | 27°D50 | 5♈50 | 20♓16 | 3°R12 | 19♈35 | 27♒33 | 20°R29 | 26°R34 | 16♊15 | 17♊35 | 24♌53 | 19♈16 | S 1 |
| S 2 | 15 0 25 | 16°21'38 | 8♒35 | 27♈52 | 6°20 | 21° 1 | 3♎ 8 | 19°42 | 27°34 | 20♐28 | 26♎33 | 16°16 | 17°31 | 25° 0 | 19°19 | S 2 |
| M 3 | 15 4 22 | 17°19'14 | 22°47 | 27°59 | 6°52 | 21°46 | 3° 4 | 19°49 | 27°35 | 20°27 | 26°31 | 16°R16 | 17°28 | 25° 6 | 19°22 | M 3 |
| T 4 | 15 8 18 | 18°16'49 | 7♓ 2 | 28°10 | 7°26 | 22°31 | 3° 0 | 19°56 | 27°37 | 20°26 | 26°30 | 16°15 | 17°25 | 25°13 | 19°26 | T 4 |
| W 5 | 15 12 15 | 19°14'23 | 21°20 | 28°26 | 8° 0 | 23°16 | 2°57 | 20° 3 | 27°38 | 20°24 | 26°28 | 16°12 | 17°22 | 25°20 | 19°29 | W 5 |
| T 6 | 15 16 12 | 20°11'56 | 5♈35 | 28°46 | 8°36 | 24° 1 | 2°53 | 20°10 | 27°39 | 20°23 | 26°27 | 16° 9 | 17°19 | 25°26 | 19°32 | T 6 |
| F 7 | 15 20 8 | 21° 9'28 | 19°45 | 29°11 | 9°13 | 24°46 | 2°50 | 20°17 | 27°40 | 20°22 | 26°25 | 16° 6 | 17°15 | 25°33 | 19°35 | F 7 |
| S 8 | 15 24 5 | 22° 6'59 | 3♉44 | 29°39 | 9°51 | 25°31 | 2°47 | 20°24 | 27°41 | 20°20 | 26°24 | 16° 2 | 17°12 | 25°40 | 19°39 | S 8 |
| S 9 | 15 28 1 | 23° 4'29 | 17°30 | 0♉12 | 10°31 | 26°16 | 2°44 | 20°31 | 27°42 | 20°19 | 26°22 | 15°59 | 17° 9 | 25°47 | 19°42 | S 9 |
| M10 | 15 31 58 | 24° 1'59 | 0♊59 | 0°49 | 11°11 | 27° 1 | 2°41 | 20°38 | 27°43 | 20°17 | 26°21 | 15°58 | 17° 6 | 25°53 | 19°45 | M10 |
| T 11 | 15 35 54 | 24°59'27 | 14° 9 | 1°30 | 11°53 | 27°46 | 2°39 | 20°45 | 27°44 | 20°16 | 26°19 | 15°D57 | 17° 3 | 26° 0 | 19°48 | T 11 |
| W12 | 15 39 51 | 25°56'54 | 27° 0 | 2°15 | 12°35 | 28°30 | 2°37 | 20°52 | 27°44 | 20°15 | 26°18 | 15°57 | 17° 0 | 26° 7 | 19°51 | W12 |
| T 13 | 15 43 47 | 26°54'20 | 9♋33 | 3° 3 | 13°18 | 29°15 | 2°34 | 20°59 | 27°45 | 20°13 | 26°16 | 15°58 | 16°56 | 26°13 | 19°54 | T 13 |
| F 14 | 15 47 44 | 27°51'44 | 21°50 | 3°55 | 14° 3 | 29°59 | 2°33 | 21° 5 | 27°46 | 20°12 | 26°15 | 16° 0 | 16°53 | 26°20 | 19°57 | F 14 |
| S 15 | 15 51 41 | 28°49'08 | 3♌56 | 4°51 | 14°48 | 0♈44 | 2°31 | 21°12 | 27°46 | 20°10 | 26°14 | 16° 1 | 16°50 | 26°27 | 20° 0 | S 15 |
| S 16 | 15 55 37 | 29°46'30 | 15°53 | 5°50 | 15°34 | 1°29 | 2°29 | 21°19 | 27°47 | 20° 9 | 26°12 | 16° 2 | 16°47 | 26°34 | 20° 3 | S 16 |
| M17 | 15 59 34 | 0♊43'52 | 27°46 | 6°52 | 16°21 | 2°13 | 2°28 | 21°25 | 27°48 | 20° 7 | 26°11 | 16°R 3 | 16°44 | 26°40 | 20° 6 | M17 |
| T 18 | 16 3 30 | 1°41'12 | 9♍40 | 7°58 | 17° 8 | 2°57 | 2°26 | 21°32 | 27°48 | 20° 6 | 26°10 | 16° 3 | 16°41 | 26°47 | 20° 9 | T 18 |
| W19 | 16 7 27 | 2°38'31 | 21°39 | 9° 7 | 17°56 | 3°42 | 2°25 | 21°38 | 27°48 | 20° 4 | 26° 9 | 16° 2 | 16°37 | 26°54 | 20°12 | W19 |
| T 20 | 16 11 23 | 3°35'49 | 3♎48 | 10°19 | 18°45 | 4°26 | 2°24 | 21°45 | 27°49 | 20° 3 | 26° 7 | 16° 1 | 16°34 | 27° 0 | 20°15 | T 20 |
| F 21 | 16 15 20 | 4°33'06 | 16°10 | 11°35 | 19°35 | 5°10 | 2°24 | 21°51 | 27°49 | 20° 1 | 26° 6 | 15°59 | 16°31 | 27° 7 | 20°18 | F 21 |
| S 22 | 16 19 16 | 5°30'22 | 28°50 | 12°53 | 20°26 | 5°54 | 2°23 | 21°57 | 27°50 | 20° 0 | 26° 5 | 15°58 | 16°28 | 27°14 | 20°21 | S 22 |
| S 23 | 16 23 13 | 6°27'37 | 11♏47 | 14°15 | 21°17 | 6°39 | 2°23 | 22° 3 | 27°50 | 19°58 | 26° 4 | 15°56 | 16°25 | 27°21 | 20°24 | S 23 |
| M24 | 16 27 10 | 7°24'51 | 25° 4 | 15°39 | 22° 8 | 7°23 | 2°23 | 22°10 | 27°50 | 19°57 | 26° 2 | 15°56 | 16°21 | 27°27 | 20°26 | M24 |
| T 25 | 16 31 6 | 8°22'05 | 8♐39 | 17° 7 | 23° 1 | 8° 7 | 2°D23 | 22°16 | 27°50 | 19°55 | 26° 1 | 15°55 | 16°18 | 27°34 | 20°29 | T 25 |
| W26 | 16 35 3 | 9°19'19 | 22°30 | 18°38 | 23°53 | 8°50 | 2°23 | 22°22 | 27°50 | 19°53 | 26° 0 | 15°D55 | 16°15 | 27°41 | 20°32 | W26 |
| T 27 | 16 38 59 | 10°16'31 | 6♑35 | 20°11 | 24°47 | 9°34 | 2°23 | 22°28 | 27°50 | 19°52 | 25°59 | 15°55 | 16°12 | 27°48 | 20°34 | T 27 |
| F 28 | 16 42 56 | 11°13'44 | 20°50 | 21°48 | 25°41 | 10°18 | 2°24 | 22°34 | 27°R50 | 19°50 | 25°58 | 15°56 | 16° 9 | 27°54 | 20°37 | F 28 |
| S 29 | 16 46 52 | 12°10'56 | 5♒10 | 23°27 | 26°35 | 11° 2 | 2°24 | 22°40 | 27°50 | 19°49 | 25°57 | 15°56 | 16° 6 | 28° 1 | 20°40 | S 29 |
| S 30 | 16 50 49 | 13° 8'08 | 19°31 | 25° 9 | 27°30 | 11°45 | 2°25 | 22°46 | 27°50 | 19°47 | 25°56 | 15°57 | 16° 2 | 28° 8 | 20°42 | S 30 |
| M31 | 16 54 45 | 14♊ 5'20 | 3♓51 | 26♉55 | 28♈26 | 12♈29 | 2♎26 | 22♈51 | 27♒50 | 19♐45 | 25♎55 | 15♊57 | 15♊59 | 28♌14 | 20♈45 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| S 1 | 16n32 | 24s31 | 3s14 | 8n 6 | 2s51 | 2n16 | 0s 4 | 5s17 | 1s31 | 0n 9 | 1n34 | 5n34 | 2s18 | 13s 5 | 0s44 | 21s58 | 1n16 | 5n17 | 16n42 | 22n51 | 22n59 | 17n46 | 9n 4 | 1n37 | S 1 |
| S 2 | 16 49 | 22 12 | 4 8 | 7 58 | 3 0 | 2 20 | 0 13 | 4 59 | 1 32 | 0 11 | 1 34 | 5 37 | 2 18 | 13 5 | 0 44 | 21 58 | 1 16 | 5 17 | 16 42 | 22 51 | 22 59 | 17 44 | 9 5 | 1 37 | S 2 |
| M 3 | 17 6 | 18 31 | 4 47 | 7 53 | 3 8 | 2 24 | 0 22 | 4 41 | 1 32 | 0 12 | 1 34 | 5 40 | 2 18 | 13 4 | 0 44 | 21 58 | 1 16 | 5 18 | 16 42 | 22 51 | 22 59 | 17 42 | 9 7 | 1 37 | M 3 |
| T 4 | 17 22 | 13 45 | 5 9 | 7 51 | 3 15 | 2 30 | 0 30 | 4 24 | 1 32 | 0 13 | 1 33 | 5 42 | 2 18 | 13 4 | 0 44 | 21 58 | 1 16 | 5 18 | 16 41 | 22 51 | 22 58 | 17 40 | 9 8 | 1 36 | T 4 |
| W 5 | 17 38 | 8 13 | 5 12 | 7 51 | 3 21 | 2 36 | 0 38 | 4 6 | 1 32 | 0 15 | 1 33 | 5 45 | 2 18 | 13 3 | 0 44 | 21 57 | 1 16 | 5 18 | 16 41 | 22 51 | 22 58 | 17 38 | 9 9 | 1 36 | W 5 |
| T 6 | 17 53 | 2 17 | 4 55 | 7 53 | 3 26 | 2 43 | 0 46 | 3 48 | 1 32 | 0 16 | 1 33 | 5 47 | 2 18 | 13 3 | 0 45 | 21 57 | 1 16 | 5 19 | 16 41 | 22 51 | 22 58 | 17 36 | 9 10 | 1 36 | T 6 |
| F 7 | 18 9 | 3n44 | 4 21 | 7 58 | 3 30 | 2 51 | 0 54 | 3 30 | 1 33 | 0 17 | 1 33 | 5 50 | 2 19 | 13 3 | 0 45 | 21 57 | 1 16 | 5 19 | 16 41 | 22 50 | 22 57 | 17 34 | 9 11 | 1 36 | F 7 |
| S 8 | 18 24 | 9 31 | 3 31 | 8 5 | 3 33 | 2 59 | 1 1 | 3 13 | 1 33 | 0 18 | 1 32 | 5 53 | 2 19 | 13 2 | 0 45 | 21 57 | 1 16 | 5 19 | 16 40 | 22 50 | 22 57 | 17 32 | 9 13 | 1 36 | S 8 |
| S 9 | 18 39 | 14 45 | 2 30 | 8 15 | 3 35 | 3 9 | 1 8 | 2 55 | 1 33 | 0 19 | 1 32 | 5 55 | 2 19 | 13 2 | 0 45 | 21 57 | 1 16 | 5 19 | 16 40 | 22 50 | 22 57 | 17 30 | 9 14 | 1 36 | S 9 |
| M10 | 18 53 | 19 8 | 1 21 | 8 26 | 3 36 | 3 18 | 1 15 | 2 37 | 1 33 | 0 20 | 1 32 | 5 57 | 2 19 | 13 2 | 0 45 | 21 57 | 1 16 | 5 20 | 16 40 | 22 50 | 22 56 | 17 28 | 9 15 | 1 36 | M10 |
| T 11 | 19 7 | 22 27 | 0 10 | 8 40 | 3 37 | 3 29 | 1 21 | 2 19 | 1 33 | 0 20 | 1 32 | 6 0 | 2 19 | 13 2 | 0 45 | 21 57 | 1 16 | 5 20 | 16 39 | 22 49 | 22 56 | 17 26 | 9 16 | 1 36 | T 11 |
| W12 | 19 21 | 24 33 | 1n 0 | 8 56 | 3 36 | 3 40 | 1 27 | 2 1 | 1 33 | 0 21 | 1 31 | 6 2 | 2 19 | 13 1 | 0 45 | 21 57 | 1 16 | 5 20 | 16 39 | 22 49 | 22 56 | 17 24 | 9 17 | 1 36 | W12 |
| T 13 | 19 34 | 25 20 | 2 6 | 9 14 | 3 35 | 3 51 | 1 33 | 1 44 | 1 33 | 0 22 | 1 31 | 6 5 | 2 19 | 13 1 | 0 45 | 21 57 | 1 16 | 5 20 | 16 39 | 22 50 | 22 55 | 17 22 | 9 19 | 1 36 | T 13 |
| F 14 | 19 47 | 24 50 | 3 5 | 9 33 | 3 33 | 4 3 | 1 39 | 1 26 | 1 34 | 0 22 | 1 31 | 6 7 | 2 19 | 13 1 | 0 45 | 21 56 | 1 16 | 5 20 | 16 39 | 22 50 | 22 55 | 17 20 | 9 20 | 1 36 | F 14 |
| S 15 | 20 0 | 23 10 | 3 55 | 9 55 | 3 30 | 4 15 | 1 44 | 1 8 | 1 34 | 0 23 | 1 30 | 6 10 | 2 19 | 13 1 | 0 45 | 21 56 | 1 16 | 5 20 | 16 38 | 22 50 | 22 55 | 17 18 | 9 21 | 1 36 | S 15 |
| S 16 | 20 13 | 20 30 | 4 33 | 10 18 | 3 26 | 4 28 | 1 50 | 0 50 | 1 34 | 0 23 | 1 30 | 6 12 | 2 20 | 13 1 | 0 45 | 21 56 | 1 16 | 5 21 | 16 38 | 22 50 | 22 55 | 17 16 | 9 22 | 1 36 | S 16 |
| M17 | 20 25 | 17 0 | 5 0 | 10 42 | 3 22 | 4 42 | 1 55 | 0 33 | 1 34 | 0 23 | 1 30 | 6 14 | 2 20 | 13 1 | 0 45 | 21 56 | 1 16 | 5 21 | 16 37 | 22 50 | 22 54 | 17 14 | 9 23 | 1 36 | M17 |
| T 18 | 20 37 | 12 50 | 5 14 | 11 8 | 3 17 | 4 56 | 1 59 | 0 15 | 1 34 | 0 24 | 1 30 | 6 17 | 2 20 | 13 0 | 0 45 | 21 56 | 1 16 | 5 21 | 16 37 | 22 50 | 22 54 | 17 12 | 9 24 | 1 36 | T 18 |
| W19 | 20 48 | 8 8 | 5 14 | 11 36 | 3 11 | 5 10 | 2 4 | 0n 3 | 1 34 | 0 24 | 1 29 | 6 19 | 2 20 | 13 0 | 0 45 | 21 56 | 1 16 | 5 21 | 16 37 | 22 50 | 22 54 | 17 10 | 9 25 | 1 36 | W19 |
| T 20 | 20 59 | 3 5 | 5 1 | 12 4 | 3 5 | 5 25 | 2 8 | 0 20 | 1 34 | 0 24 | 1 29 | 6 21 | 2 20 | 13 0 | 0 45 | 21 56 | 1 16 | 5 21 | 16 36 | 22 50 | 22 53 | 17 7 | 9 26 | 1 36 | T 20 |
| F 21 | 21 10 | 2s12 | 4 33 | 12 34 | 2 58 | 5 40 | 2 12 | 0 38 | 1 34 | 0 24 | 1 29 | 6 23 | 2 20 | 13 0 | 0 45 | 21 56 | 1 16 | 5 21 | 16 36 | 22 50 | 22 53 | 17 5 | 9 28 | 1 36 | F 21 |
| S 22 | 21 20 | 7 30 | 3 52 | 13 5 | 2 50 | 5 55 | 2 16 | 0 55 | 1 34 | 0 24 | 1 29 | 6 26 | 2 20 | 13 0 | 0 45 | 21 55 | 1 16 | 5 21 | 16 36 | 22 50 | 22 53 | 17 3 | 9 29 | 1 36 | S 22 |
| S 23 | 21 30 | 12 38 | 2 58 | 13 37 | 2 43 | 6 11 | 2 20 | 1 13 | 1 34 | 0 24 | 1 28 | 6 28 | 2 21 | 13 0 | 0 45 | 21 55 | 1 16 | 5 21 | 16 35 | 22 49 | 22 52 | 17 1 | 9 30 | 1 36 | S 23 |
| M24 | 21 40 | 17 18 | 1 53 | 14 10 | 2 34 | 6 27 | 2 24 | 1 30 | 1 34 | 0 24 | 1 28 | 6 30 | 2 21 | 13 0 | 0 45 | 21 55 | 1 16 | 5 21 | 16 35 | 22 49 | 22 52 | 16 59 | 9 31 | 1 36 | M24 |
| T 25 | 21 49 | 21 12 | 0 40 | 14 43 | 2 25 | 6 43 | 2 27 | 1 48 | 1 34 | 0 23 | 1 28 | 6 32 | 2 21 | 13 0 | 0 45 | 21 55 | 1 16 | 5 21 | 16 34 | 22 49 | 22 52 | 16 57 | 9 32 | 1 36 | T 25 |
| W26 | 21 58 | 23 58 | 0s36 | 15 17 | 2 16 | 7 0 | 2 30 | 2 5 | 1 34 | 0 23 | 1 27 | 6 34 | 2 21 | 13 0 | 0 45 | 21 55 | 1 16 | 5 21 | 16 34 | 22 49 | 22 51 | 16 55 | 9 33 | 1 36 | W26 |
| T 27 | 22 7 | 25 16 | 1 52 | 15 52 | 2 6 | 7 17 | 2 33 | 2 22 | 1 34 | 0 23 | 1 27 | 6 36 | 2 21 | 13 0 | 0 45 | 21 55 | 1 16 | 5 21 | 16 33 | 22 49 | 22 51 | 16 53 | 9 34 | 1 36 | T 27 |
| F 28 | 22 15 | 24 56 | 3 2 | 16 27 | 1 56 | 7 34 | 2 36 | 2 40 | 1 34 | 0 22 | 1 27 | 6 38 | 2 21 | 13 0 | 0 45 | 21 55 | 1 16 | 5 21 | 16 33 | 22 49 | 22 51 | 16 51 | 9 35 | 1 36 | F 28 |
| S 29 | 22 23 | 22 58 | 4 0 | 17 2 | 1 45 | 7 51 | 2 38 | 2 57 | 1 34 | 0 22 | 1 27 | 6 40 | 2 22 | 13 0 | 0 45 | 21 55 | 1 16 | 5 21 | 16 33 | 22 49 | 22 50 | 16 49 | 9 36 | 1 36 | S 29 |
| S 30 | 22 30 | 19 32 | 4 44 | 17 38 | 1 34 | 8 9 | 2 40 | 3 14 | 1 34 | 0 21 | 1 26 | 6 42 | 2 22 | 13 0 | 0 45 | 21 54 | 1 16 | 5 21 | 16 32 | 22 49 | 22 50 | 16 47 | 9 37 | 1 36 | S 30 |
| M31 | 22n37 | 14s57 | 5s10 | 18n13 | 1s23 | 8n27 | 2s43 | 3n31 | 1s34 | 0n20 | 1n26 | 6n44 | 2s22 | 13s 0 | 0s46 | 21s54 | 1n16 | 5n21 | 16n32 | 22n49 | 22n50 | 16n44 | 9n38 | 1n36 | M31 |

Julian Day Number = 2085332.5, Delta T = 24m36s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°45'55, Lahiri = 9°52'56 Julian Calendar 1 May 997 == Greg. Calendar 6 May 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## JUNE 997 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 58 42 | 15♊ 2'31 | 18♓ 5 | 28♉43 | 29♈22 | 13♈13 | 2♎28 | 22♈57 | 27°R50 | 19°R44 | 25°R54 | 15°R57 | 15♊56 | 28♌21 | 20♈47 | T 1 |
| W 2 | 17 2 39 | 15°59'43 | 2♈11 | 0♊33 | 0♉18 | 13°56 | 2°29 | 23° 3 | 27♒50 | 19♐42 | 25♎53 | 15°D57 | 15°53 | 28°28 | 20°49 | W 2 |
| T 3 | 17 6 35 | 16°56'54 | 16° 7 | 2°26 | 1°15 | 14°39 | 2°31 | 23° 8 | 27°49 | 19°41 | 25°52 | 15♊57 | 15°50 | 28°35 | 20°52 | T 3 |
| F 4 | 17 10 32 | 17°54'05 | 29°52 | 4°22 | 2°13 | 15°23 | 2°32 | 23°14 | 27°49 | 19°39 | 25°51 | 15°57 | 15°47 | 28°41 | 20°54 | F 4 |
| S 5 | 17 14 28 | 18°51'17 | 13♉25 | 6°21 | 3°10 | 16° 6 | 2°34 | 23°19 | 27°49 | 19°37 | 25°51 | 15°57 | 15°43 | 28°48 | 20°56 | S 5 |
| S 6 | 17 18 25 | 19°48'28 | 26°44 | 8°21 | 4° 9 | 16°49 | 2°36 | 23°25 | 27°48 | 19°36 | 25°50 | 15°57 | 15°40 | 28°55 | 20°59 | S 6 |
| M 7 | 17 22 21 | 20°45'40 | 9♊50 | 10°24 | 5° 7 | 17°32 | 2°39 | 23°30 | 27°48 | 19°34 | 25°49 | 15°R58 | 15°37 | 29° 1 | 21° 1 | M 7 |
| T 8 | 17 26 18 | 21°42'51 | 22°41 | 12°28 | 6° 6 | 18°15 | 2°41 | 23°35 | 27°47 | 19°32 | 25°48 | 15°58 | 15°34 | 29° 8 | 21° 3 | T 8 |
| W 9 | 17 30 15 | 22°40'02 | 5♋18 | 14°34 | 7° 5 | 18°58 | 2°44 | 23°41 | 27°47 | 19°31 | 25°48 | 15°57 | 15°31 | 29°15 | 21° 5 | W 9 |
| T 10 | 17 34 11 | 23°37'13 | 17°42 | 16°42 | 8° 5 | 19°41 | 2°47 | 23°46 | 27°46 | 19°29 | 25°47 | 15°57 | 15°27 | 29°22 | 21° 7 | T 10 |
| F 11 | 17 38 8 | 24°34'24 | 29°54 | 18°50 | 9° 5 | 20°24 | 2°50 | 23°51 | 27°46 | 19°28 | 25°46 | 15°56 | 15°24 | 29°28 | 21° 9 | F 11 |
| S 12 | 17 42 4 | 25°31'34 | 11♌57 | 21° 0 | 10° 5 | 21° 6 | 2°53 | 23°56 | 27°45 | 19°26 | 25°46 | 15°54 | 15°21 | 29°35 | 21°11 | S 12 |
| S 13 | 17 46 1 | 26°28'44 | 23°53 | 23°10 | 11° 5 | 21°49 | 2°56 | 24° 1 | 27°44 | 19°24 | 25°45 | 15°53 | 15°18 | 29°42 | 21°13 | S 13 |
| M14 | 17 49 57 | 27°25'54 | 5♍45 | 25°20 | 12° 6 | 22°31 | 3° 0 | 24° 6 | 27°43 | 19°23 | 25°44 | 15°52 | 15°15 | 29°48 | 21°15 | M14 |
| T 15 | 17 53 54 | 28°23'04 | 17°39 | 27°31 | 13° 7 | 23°14 | 3° 3 | 24°10 | 27°43 | 19°21 | 25°44 | 15°51 | 15°12 | 29°55 | 21°17 | T 15 |
| W16 | 17 57 50 | 29°20'14 | 29°37 | 29°41 | 14° 9 | 23°56 | 3° 7 | 24°15 | 27°42 | 19°20 | 25°43 | 15°D51 | 15° 8 | 0♍ 2 | 21°19 | W16 |
| T 17 | 18 1 47 | 0♋17'23 | 11♎45 | 1♋50 | 15°11 | 24°38 | 3°11 | 24°19 | 27°41 | 19°18 | 25°43 | 15°51 | 15° 5 | 0° 9 | 21°21 | T 17 |
| F 18 | 18 5 44 | 1°14'33 | 24° 7 | 3°59 | 16°13 | 25°20 | 3°15 | 24°24 | 27°40 | 19°16 | 25°42 | 15°52 | 15° 2 | 0°15 | 21°22 | F 18 |
| S 19 | 18 9 40 | 2°11'42 | 6♏47 | 6° 6 | 17°15 | 26° 2 | 3°19 | 24°28 | 27°39 | 19°15 | 25°42 | 15°53 | 14°59 | 0°22 | 21°24 | S 19 |
| S 20 | 18 13 37 | 3° 8'52 | 19°49 | 8°13 | 18°17 | 26°44 | 3°24 | 24°33 | 27°38 | 19°13 | 25°42 | 15°54 | 14°56 | 0°29 | 21°26 | S 20 |
| M21 | 18 17 33 | 4° 6'01 | 3♐14 | 10°18 | 19°20 | 27°26 | 3°29 | 24°37 | 27°37 | 19°12 | 25°41 | 15°55 | 14°53 | 0°35 | 21°27 | M21 |
| T 22 | 18 21 30 | 5° 3'11 | 17° 3 | 12°22 | 20°23 | 28° 8 | 3°33 | 24°41 | 27°35 | 19°10 | 25°41 | 15°R56 | 14°49 | 0°42 | 21°29 | T 22 |
| W23 | 18 25 26 | 6° 0'21 | 1♑14 | 14°24 | 21°26 | 28°49 | 3°38 | 24°45 | 27°34 | 19° 9 | 25°41 | 15°55 | 14°46 | 0°49 | 21°30 | W23 |
| T 24 | 18 29 23 | 6°57'31 | 15°43 | 16°25 | 22°30 | 29°31 | 3°43 | 24°49 | 27°33 | 19° 7 | 25°40 | 15°54 | 14°43 | 0°56 | 21°32 | T 24 |
| F 25 | 18 33 19 | 7°54'42 | 0♒25 | 18°24 | 23°34 | 0♉12 | 3°49 | 24°53 | 27°32 | 19° 6 | 25°40 | 15°51 | 14°40 | 1° 2 | 21°33 | F 25 |
| S 26 | 18 37 16 | 8°51'53 | 15°12 | 20°22 | 24°38 | 0°54 | 3°54 | 24°57 | 27°31 | 19° 4 | 25°40 | 15°48 | 14°37 | 1° 9 | 21°34 | S 26 |
| S 27 | 18 41 13 | 9°49'05 | 29°56 | 22°17 | 25°42 | 1°35 | 3°59 | 25° 1 | 27°29 | 19° 3 | 25°40 | 15°45 | 14°33 | 1°16 | 21°36 | S 27 |
| M28 | 18 45 9 | 10°46'18 | 14♓32 | 24°11 | 26°46 | 2°16 | 4° 5 | 25° 5 | 27°28 | 19° 1 | 25°40 | 15°43 | 14°30 | 1°23 | 21°37 | M28 |
| T 29 | 18 49 6 | 11°43'31 | 28°54 | 26° 3 | 27°51 | 2°57 | 4°11 | 25° 8 | 27°26 | 19° 0 | 25°40 | 15°41 | 14°27 | 1°29 | 21°38 | T 29 |
| W30 | 18 53 2 | 12♋40'45 | 13♈ 0 | 27♋53 | 28♉56 | 3♉38 | 4♎17 | 25♈12 | 27♒25 | 18♐58 | 25♎40 | 15°D41 | 14♊24 | 1♍36 | 21♈39 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n44 | 9s35 | 5s17 | 18n49 | 1s12 | 8n45 | 2s45 | 3n48 | 1s34 | 0n20 | 1n26 | 6n46 | 2s22 | 13s 0 | 0s46 | 21s54 | 1n16 | 5n21 | 16n31 | 22n49 | 22n49 | 16n42 | 9n39 | 1n36 |
| W 2 | 22 50 | 3 47 | 5 4 | 19 23 | 1 1 | 9 3 | 2 46 | 4 5 | 1 34 | 0 19 | 1 26 | 6 48 | 2 22 | 13 0 | 0 46 | 21 54 | 1 16 | 5 21 | 16 31 | 22 49 | 22 49 | 16 40 | 9 39 | 1 36 |
| T 3 | 22 56 | 2n 9 | 4 34 | 19 58 | 0 49 | 9 21 | 2 48 | 4 22 | 1 34 | 0 18 | 1 25 | 6 50 | 2 23 | 13 0 | 0 46 | 21 54 | 1 16 | 5 20 | 16 30 | 22 49 | 22 49 | 16 38 | 9 40 | 1 36 |
| F 4 | 23 1 | 7 55 | 3 49 | 20 31 | 0 38 | 9 39 | 2 50 | 4 39 | 1 33 | 0 17 | 1 25 | 6 52 | 2 23 | 13 1 | 0 46 | 21 54 | 1 16 | 5 20 | 16 30 | 22 49 | 22 48 | 16 36 | 9 41 | 1 36 |
| S 5 | 23 6 | 13 14 | 2 51 | 21 4 | 0 26 | 9 58 | 2 51 | 4 56 | 1 33 | 0 16 | 1 25 | 6 54 | 2 23 | 13 1 | 0 46 | 21 54 | 1 16 | 5 20 | 16 29 | 22 49 | 22 48 | 16 34 | 9 42 | 1 36 |
| S 6 | 23 11 | 17 50 | 1 45 | 21 35 | 0 15 | 10 16 | 2 52 | 5 13 | 1 33 | 0 15 | 1 24 | 6 56 | 2 23 | 13 1 | 0 46 | 21 54 | 1 16 | 5 20 | 16 29 | 22 49 | 22 48 | 16 32 | 9 43 | 1 36 |
| M 7 | 23 15 | 21 29 | 0 34 | 22 4 | 0 3 | 10 35 | 2 53 | 5 29 | 1 33 | 0 14 | 1 24 | 6 57 | 2 23 | 13 1 | 0 46 | 21 54 | 1 16 | 5 20 | 16 28 | 22 50 | 22 47 | 16 29 | 9 44 | 1 36 |
| T 8 | 23 19 | 23 59 | 0n37 | 22 33 | 0n 8 | 10 53 | 2 54 | 5 46 | 1 33 | 0 12 | 1 24 | 6 59 | 2 23 | 13 1 | 0 46 | 21 53 | 1 16 | 5 20 | 16 28 | 22 50 | 22 47 | 16 27 | 9 45 | 1 36 |
| W 9 | 23 22 | 25 13 | 1 45 | 22 59 | 0 19 | 11 12 | 2 55 | 6 2 | 1 33 | 0 11 | 1 24 | 7 1 | 2 24 | 13 2 | 0 46 | 21 53 | 1 16 | 5 19 | 16 27 | 22 49 | 22 47 | 16 25 | 9 46 | 1 36 |
| T 10 | 23 25 | 25 9 | 2 47 | 23 23 | 0 29 | 11 31 | 2 55 | 6 19 | 1 33 | 0 10 | 1 23 | 7 3 | 2 24 | 13 2 | 0 46 | 21 53 | 1 16 | 5 19 | 16 27 | 22 49 | 22 46 | 16 23 | 9 46 | 1 36 |
| F 11 | 23 27 | 23 52 | 3 40 | 23 45 | 0 39 | 11 49 | 2 56 | 6 35 | 1 32 | 0 8 | 1 23 | 7 4 | 2 24 | 13 2 | 0 46 | 21 53 | 1 16 | 5 19 | 16 26 | 22 49 | 22 46 | 16 21 | 9 47 | 1 36 |
| S 12 | 23 30 | 21 30 | 4 22 | 24 4 | 0 48 | 12 8 | 2 56 | 6 51 | 1 32 | 0 7 | 1 23 | 7 6 | 2 24 | 13 2 | 0 46 | 21 53 | 1 16 | 5 19 | 16 26 | 22 49 | 22 46 | 16 19 | 9 48 | 1 36 |
| S 13 | 23 31 | 18 14 | 4 53 | 24 21 | 0 57 | 12 27 | 2 56 | 7 7 | 1 32 | 0 5 | 1 23 | 7 8 | 2 25 | 13 3 | 0 46 | 21 53 | 1 16 | 5 18 | 16 25 | 22 49 | 22 45 | 16 16 | 9 49 | 1 36 |
| M14 | 23 33 | 14 16 | 5 11 | 24 35 | 1 6 | 12 45 | 2 56 | 7 23 | 1 32 | 0 4 | 1 22 | 7 9 | 2 25 | 13 3 | 0 46 | 21 53 | 1 16 | 5 18 | 16 25 | 22 49 | 22 45 | 16 14 | 9 49 | 1 36 |
| T 15 | 23 34 | 9 45 | 5 16 | 24 46 | 1 13 | 13 4 | 2 56 | 7 39 | 1 32 | 0 2 | 1 22 | 7 11 | 2 25 | 13 3 | 0 46 | 21 53 | 1 16 | 5 18 | 16 24 | 22 49 | 22 45 | 16 12 | 9 50 | 1 36 |
| W16 | 23 34 | 4 50 | 5 7 | 24 55 | 1 20 | 13 22 | 2 56 | 7 55 | 1 31 | 0 0 | 1 22 | 7 12 | 2 25 | 13 4 | 0 46 | 21 53 | 1 16 | 5 17 | 16 24 | 22 49 | 22 44 | 16 10 | 9 51 | 1 36 |
| T 17 | 23 34 | 0s19 | 4 44 | 25 0 | 1 27 | 13 41 | 2 55 | 8 11 | 1 31 | 0s 2 | 1 21 | 7 14 | 2 25 | 13 4 | 0 46 | 21 52 | 1 16 | 5 17 | 16 23 | 22 49 | 22 44 | 16 8 | 9 51 | 1 36 |
| F 18 | 23 34 | 5 33 | 4 8 | 25 3 | 1 32 | 13 59 | 2 55 | 8 27 | 1 31 | 0 4 | 1 21 | 7 15 | 2 26 | 13 4 | 0 46 | 21 52 | 1 16 | 5 17 | 16 22 | 22 49 | 22 43 | 16 5 | 9 52 | 1 37 |
| S 19 | 23 33 | 10 43 | 3 20 | 25 3 | 1 37 | 14 17 | 2 54 | 8 42 | 1 30 | 0 6 | 1 21 | 7 17 | 2 26 | 13 5 | 0 46 | 21 52 | 1 16 | 5 16 | 16 22 | 22 49 | 22 43 | 16 3 | 9 53 | 1 37 |
| S 20 | 23 32 | 15 33 | 2 19 | 25 0 | 1 41 | 14 35 | 2 54 | 8 58 | 1 30 | 0 8 | 1 21 | 7 18 | 2 26 | 13 5 | 0 46 | 21 52 | 1 16 | 5 16 | 16 21 | 22 49 | 22 43 | 16 1 | 9 53 | 1 37 |
| M21 | 23 30 | 19 47 | 1 9 | 24 54 | 1 45 | 14 53 | 2 53 | 9 13 | 1 30 | 0 10 | 1 20 | 7 19 | 2 26 | 13 6 | 0 46 | 21 52 | 1 16 | 5 15 | 16 21 | 22 49 | 22 42 | 15 59 | 9 54 | 1 37 |
| T 22 | 23 28 | 23 2 | 0s 6 | 24 46 | 1 47 | 15 11 | 2 52 | 9 28 | 1 30 | 0 12 | 1 20 | 7 21 | 2 26 | 13 6 | 0 46 | 21 52 | 1 16 | 5 15 | 16 20 | 22 49 | 22 42 | 15 57 | 9 55 | 1 37 |
| W23 | 23 26 | 24 57 | 1 23 | 24 36 | 1 49 | 15 28 | 2 51 | 9 43 | 1 29 | 0 14 | 1 20 | 7 22 | 2 27 | 13 6 | 0 46 | 21 52 | 1 16 | 5 15 | 16 20 | 22 49 | 22 42 | 15 54 | 9 55 | 1 37 |
| T 24 | 23 23 | 25 14 | 2 37 | 24 23 | 1 51 | 15 46 | 2 50 | 9 58 | 1 29 | 0 16 | 1 20 | 7 23 | 2 27 | 13 7 | 0 46 | 21 52 | 1 16 | 5 14 | 16 19 | 22 49 | 22 41 | 15 52 | 9 56 | 1 37 |
| F 25 | 23 20 | 23 46 | 3 41 | 24 8 | 1 51 | 16 3 | 2 48 | 10 13 | 1 29 | 0 19 | 1 19 | 7 24 | 2 27 | 13 7 | 0 46 | 21 52 | 1 16 | 5 14 | 16 19 | 22 49 | 22 41 | 15 50 | 9 56 | 1 37 |
| S 26 | 23 16 | 20 40 | 4 30 | 23 51 | 1 51 | 16 20 | 2 47 | 10 28 | 1 28 | 0 21 | 1 19 | 7 26 | 2 27 | 13 8 | 0 46 | 21 51 | 1 16 | 5 13 | 16 18 | 22 49 | 22 41 | 15 48 | 9 57 | 1 37 |
| S 27 | 23 12 | 16 15 | 5 2 | 23 32 | 1 50 | 16 37 | 2 45 | 10 43 | 1 28 | 0 23 | 1 19 | 7 27 | 2 28 | 13 8 | 0 46 | 21 51 | 1 16 | 5 13 | 16 17 | 22 48 | 22 40 | 15 45 | 9 57 | 1 37 |
| M28 | 23 8 | 10 56 | 5 14 | 23 11 | 1 49 | 16 53 | 2 44 | 10 57 | 1 28 | 0 26 | 1 19 | 7 28 | 2 28 | 13 9 | 0 47 | 21 51 | 1 16 | 5 12 | 16 17 | 22 48 | 22 40 | 15 43 | 9 58 | 1 37 |
| T 29 | 23 3 | 5 6 | 5 5 | 22 48 | 1 47 | 17 9 | 2 42 | 11 12 | 1 27 | 0 28 | 1 18 | 7 29 | 2 28 | 13 9 | 0 47 | 21 51 | 1 16 | 5 12 | 16 16 | 22 48 | 22 39 | 15 41 | 9 58 | 1 37 |
| W30 | 22n58 | 0n53 | 4s39 | 22n24 | 1n44 | 17n25 | 2s40 | 11n26 | 1s27 | 0s31 | 1n18 | 7n30 | 2s28 | 13s10 | 0s47 | 21s51 | 1n16 | 5n11 | 16n16 | 22n48 | 22n39 | 15n39 | 9n59 | 1n37 |

Julian Day Number = 2085363.5, Delta T = 24m36s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'00, Lahiri = 9°53'00 Julian Calendar 1 June 997 == Greg. Calendar 6 June 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## JULY 997 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 18 56 59 | 13♋38'00 | 26♈47 | 29♋42 | 0♊ 1 | 4♉19 | 4♎23 | 25♈15 | 27°R23 | 18°R57 | 25°D40 | 15♊41 | 14♊21 | 1♍43 | 21♈40 | T 1 |
| F 2 | 19 0 55 | 14°35'16 | 10♉16 | 1♌29 | 1° 6 | 4°59 | 4°29 | 25°18 | 27♒22 | 18♐55 | 25♎40 | 15°42 | 14°18 | 1°49 | 21°41 | F 2 |
| S 3 | 19 4 52 | 15°32'33 | 23°29 | 3°14 | 2°11 | 5°40 | 4°36 | 25°21 | 27°20 | 18°54 | 25°40 | 15°44 | 14°14 | 1°56 | 21°42 | S 3 |
| S 4 | 19 8 48 | 16°29'51 | 6♊26 | 4°57 | 3°17 | 6°20 | 4°42 | 25°25 | 27°19 | 18°53 | 25°40 | 15°45 | 14°11 | 2° 3 | 21°43 | S 4 |
| M 5 | 19 12 45 | 17°27'10 | 19°10 | 6°38 | 4°23 | 7° 1 | 4°49 | 25°28 | 27°17 | 18°51 | 25°40 | 15°R45 | 14° 8 | 2°10 | 21°44 | M 5 |
| T 6 | 19 16 42 | 18°24'29 | 1♋42 | 8°18 | 5°28 | 7°41 | 4°56 | 25°31 | 27°15 | 18°50 | 25°40 | 15°44 | 14° 5 | 2°16 | 21°45 | T 6 |
| W 7 | 19 20 38 | 19°21'50 | 14° 4 | 9°56 | 6°35 | 8°21 | 5° 2 | 25°33 | 27°14 | 18°48 | 25°40 | 15°42 | 14° 2 | 2°23 | 21°46 | W 7 |
| T 8 | 19 24 35 | 20°19'11 | 26°16 | 11°32 | 7°41 | 9° 1 | 5°10 | 25°36 | 27°12 | 18°47 | 25°41 | 15°37 | 13°59 | 2°30 | 21°47 | T 8 |
| F 9 | 19 28 31 | 21°16'33 | 8♌21 | 13° 6 | 8°47 | 9°41 | 5°17 | 25°39 | 27°10 | 18°46 | 25°41 | 15°32 | 13°55 | 2°36 | 21°47 | F 9 |
| S 10 | 19 32 28 | 22°13'56 | 20°19 | 14°39 | 9°54 | 10°21 | 5°24 | 25°41 | 27° 8 | 18°45 | 25°41 | 15°25 | 13°52 | 2°43 | 21°48 | S 10 |
| S 11 | 19 36 24 | 23°11'20 | 2♍13 | 16° 9 | 11° 1 | 11° 0 | 5°32 | 25°44 | 27° 7 | 18°43 | 25°41 | 15°18 | 13°49 | 2°50 | 21°48 | S 11 |
| M12 | 19 40 21 | 24° 8'44 | 14° 4 | 17°38 | 12° 8 | 11°40 | 5°39 | 25°46 | 27° 5 | 18°42 | 25°42 | 15°12 | 13°46 | 2°57 | 21°49 | M12 |
| T 13 | 19 44 17 | 25° 6'09 | 25°56 | 19° 6 | 13°15 | 12°19 | 5°47 | 25°48 | 27° 3 | 18°41 | 25°42 | 15° 7 | 13°43 | 3° 3 | 21°49 | T 13 |
| W14 | 19 48 14 | 26° 3'35 | 7♎53 | 20°31 | 14°22 | 12°58 | 5°55 | 25°51 | 27° 1 | 18°40 | 25°43 | 15° 4 | 13°39 | 3°10 | 21°50 | W14 |
| T 15 | 19 52 11 | 27° 1'01 | 19°58 | 21°55 | 15°29 | 13°38 | 6° 3 | 25°53 | 26°59 | 18°38 | 25°43 | 15° 2 | 13°36 | 3°17 | 21°50 | T 15 |
| F 16 | 19 56 7 | 27°58'29 | 2♏17 | 23°16 | 16°37 | 14°16 | 6°11 | 25°54 | 26°57 | 18°37 | 25°44 | 15°D 2 | 13°33 | 3°24 | 21°50 | F 16 |
| S 17 | 20 0 4 | 28°55'57 | 14°54 | 24°36 | 17°44 | 14°55 | 6°19 | 25°56 | 26°55 | 18°36 | 25°44 | 15° 3 | 13°30 | 3°30 | 21°51 | S 17 |
| S 18 | 20 4 0 | 29°53'26 | 27°52 | 25°54 | 18°52 | 15°34 | 6°27 | 25°58 | 26°53 | 18°35 | 25°45 | 15° 4 | 13°27 | 3°37 | 21°51 | S 18 |
| M19 | 20 7 57 | 0♑50'56 | 11♐17 | 27° 9 | 20° 0 | 16°12 | 6°36 | 26° 0 | 26°51 | 18°34 | 25°45 | 15°R 5 | 13°24 | 3°44 | 21°51 | M19 |
| T 20 | 20 11 53 | 1°48'27 | 25° 9 | 28°23 | 21° 8 | 16°51 | 6°44 | 26° 1 | 26°49 | 18°33 | 25°46 | 15° 4 | 13°20 | 3°50 | 21°51 | T 20 |
| W21 | 20 15 50 | 2°45'59 | 9♑29 | 29°35 | 22°16 | 17°29 | 6°53 | 26° 3 | 26°47 | 18°32 | 25°47 | 15° 2 | 13°17 | 3°57 | 21°R51 | W21 |
| T 22 | 20 19 46 | 3°43'32 | 24°12 | 0♍44 | 23°25 | 18° 7 | 7° 1 | 26° 4 | 26°44 | 18°31 | 25°47 | 14°58 | 13°14 | 4° 4 | 21°51 | T 22 |
| F 23 | 20 23 43 | 4°41'06 | 9♒13 | 1°51 | 24°33 | 18°45 | 7°10 | 26° 5 | 26°42 | 18°30 | 25°48 | 14°52 | 13°11 | 4°11 | 21°51 | F 23 |
| S 24 | 20 27 40 | 5°38'42 | 24°22 | 2°55 | 25°42 | 19°23 | 7°19 | 26° 6 | 26°40 | 18°29 | 25°49 | 14°44 | 13° 8 | 4°17 | 21°51 | S 24 |
| S 25 | 20 31 36 | 6°36'18 | 9♓30 | 3°57 | 26°50 | 20° 1 | 7°28 | 26° 7 | 26°38 | 18°28 | 25°50 | 14°37 | 13° 5 | 4°24 | 21°50 | S 25 |
| M26 | 20 35 33 | 7°33'57 | 24°26 | 4°57 | 27°59 | 20°38 | 7°38 | 26° 8 | 26°36 | 18°27 | 25°50 | 14°30 | 13° 1 | 4°31 | 21°50 | M26 |
| T 27 | 20 39 29 | 8°31'36 | 9♈ 3 | 5°54 | 29° 8 | 21°15 | 7°47 | 26° 9 | 26°33 | 18°26 | 25°51 | 14°25 | 12°58 | 4°37 | 21°50 | T 27 |
| W28 | 20 43 26 | 9°29'18 | 23°16 | 6°47 | 0♋17 | 21°53 | 7°56 | 26°10 | 26°31 | 18°25 | 25°52 | 14°22 | 12°55 | 4°44 | 21°50 | W28 |
| T 29 | 20 47 22 | 10°27'01 | 7♉ 4 | 7°38 | 1°26 | 22°30 | 8° 6 | 26°10 | 26°29 | 18°24 | 25°53 | 14°D21 | 12°52 | 4°51 | 21°49 | T 29 |
| F 30 | 20 51 19 | 11°24'46 | 20°28 | 8°26 | 2°36 | 23° 7 | 8°15 | 26°11 | 26°27 | 18°23 | 25°54 | 14°21 | 12°49 | 4°58 | 21°49 | F 30 |
| S 31 | 20 55 15 | 12♑22'32 | 3♊31 | 9♍10 | 3♋45 | 23♉43 | 8♎25 | 26♈11 | 26♒24 | 18♐23 | 25♎55 | 14♊22 | 12♊45 | 5♍ 4 | 21♈48 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n52 | 6n42 | 3s57 | 21n58 | 1n41 | 17n41 | 2s39 | 11n40 | 1s26 | 0s34 | 1n18 | 7n31 | 2s29 | 13s10 | 0s47 | 21s51 | 1n16 | 5n11 | 16n15 | 22n48 | 22n39 | 15n36 | 9n59 | 1n37 |
| F 2 | 22 46 | 12 6 | 3 2 | 21 31 | 1 38 | 17 56 | 2 37 | 11 54 | 1 26 | 0 36 | 1 18 | 7 32 | 2 29 | 13 11 | 0 47 | 21 51 | 1 16 | 5 10 | 16 14 | 22 48 | 22 38 | 15 34 | 10 0 | 1 37 |
| S 3 | 22 40 | 16 50 | 1 59 | 21 3 | 1 33 | 18 11 | 2 35 | 12 8 | 1 26 | 0 39 | 1 17 | 7 33 | 2 29 | 13 12 | 0 47 | 21 51 | 1 16 | 5 10 | 16 14 | 22 48 | 22 38 | 15 32 | 10 0 | 1 37 |
| S 4 | 22 33 | 20 40 | 0 51 | 20 34 | 1 29 | 18 26 | 2 32 | 12 22 | 1 25 | 0 42 | 1 17 | 7 34 | 2 29 | 13 12 | 0 47 | 21 51 | 1 16 | 5 9 | 16 13 | 22 48 | 22 38 | 15 29 | 10 0 | 1 37 |
| M 5 | 22 25 | 23 26 | 0n19 | 20 4 | 1 24 | 18 40 | 2 30 | 12 36 | 1 25 | 0 45 | 1 17 | 7 35 | 2 30 | 13 13 | 0 47 | 21 51 | 1 16 | 5 8 | 16 13 | 22 48 | 22 37 | 15 27 | 10 1 | 1 37 |
| T 6 | 22 18 | 25 0 | 1 26 | 19 33 | 1 18 | 18 54 | 2 28 | 12 49 | 1 24 | 0 48 | 1 17 | 7 35 | 2 30 | 13 13 | 0 47 | 21 51 | 1 16 | 5 8 | 16 12 | 22 48 | 22 37 | 15 25 | 10 1 | 1 37 |
| W 7 | 22 10 | 25 17 | 2 28 | 19 1 | 1 12 | 19 8 | 2 26 | 13 3 | 1 24 | 0 51 | 1 16 | 7 36 | 2 30 | 13 14 | 0 47 | 21 50 | 1 15 | 5 7 | 16 12 | 22 48 | 22 37 | 15 23 | 10 1 | 1 37 |
| T 8 | 22 1 | 24 20 | 3 23 | 18 28 | 1 6 | 19 21 | 2 23 | 13 16 | 1 23 | 0 54 | 1 16 | 7 37 | 2 30 | 13 15 | 0 47 | 21 50 | 1 15 | 5 7 | 16 11 | 22 47 | 22 36 | 15 20 | 10 2 | 1 37 |
| F 9 | 21 53 | 22 15 | 4 7 | 17 55 | 0 59 | 19 34 | 2 21 | 13 29 | 1 23 | 0 57 | 1 16 | 7 38 | 2 31 | 13 15 | 0 47 | 21 50 | 1 15 | 5 6 | 16 10 | 22 47 | 22 36 | 15 18 | 10 2 | 1 37 |
| S 10 | 21 43 | 19 13 | 4 41 | 17 21 | 0 52 | 19 47 | 2 18 | 13 42 | 1 22 | 1 0 | 1 16 | 7 38 | 2 31 | 13 16 | 0 47 | 21 50 | 1 15 | 5 5 | 16 10 | 22 46 | 22 35 | 15 16 | 10 2 | 1 37 |
| S 11 | 21 34 | 15 26 | 5 2 | 16 47 | 0 44 | 19 59 | 2 16 | 13 55 | 1 22 | 1 3 | 1 16 | 7 39 | 2 31 | 13 17 | 0 47 | 21 50 | 1 15 | 5 5 | 16 9 | 22 45 | 22 35 | 15 13 | 10 2 | 1 37 |
| M12 | 21 24 | 11 3 | 5 9 | 16 13 | 0 37 | 20 10 | 2 13 | 14 8 | 1 21 | 1 6 | 1 15 | 7 40 | 2 31 | 13 17 | 0 47 | 21 50 | 1 15 | 5 4 | 16 9 | 22 45 | 22 35 | 15 11 | 10 3 | 1 37 |
| T 13 | 21 14 | 6 16 | 5 4 | 15 38 | 0 28 | 20 22 | 2 10 | 14 20 | 1 21 | 1 10 | 1 15 | 7 40 | 2 32 | 13 18 | 0 47 | 21 50 | 1 15 | 5 3 | 16 8 | 22 44 | 22 34 | 15 9 | 10 3 | 1 37 |
| W14 | 21 3 | 1 14 | 4 46 | 15 3 | 0 20 | 20 32 | 2 7 | 14 33 | 1 20 | 1 13 | 1 15 | 7 41 | 2 32 | 13 19 | 0 47 | 21 50 | 1 15 | 5 3 | 16 7 | 22 44 | 22 34 | 15 6 | 10 3 | 1 37 |
| T 15 | 20 52 | 3s56 | 4 14 | 14 28 | 0 11 | 20 43 | 2 5 | 14 45 | 1 20 | 1 16 | 1 15 | 7 41 | 2 32 | 13 19 | 0 47 | 21 50 | 1 15 | 5 2 | 16 7 | 22 43 | 22 33 | 15 4 | 10 3 | 1 37 |
| F 16 | 20 41 | 9 2 | 3 31 | 13 52 | 0 2 | 20 52 | 2 2 | 14 57 | 1 19 | 1 20 | 1 14 | 7 42 | 2 33 | 13 20 | 0 47 | 21 50 | 1 15 | 5 1 | 16 6 | 22 43 | 22 33 | 15 2 | 10 3 | 1 37 |
| S 17 | 20 29 | 13 55 | 2 36 | 13 17 | 0s 7 | 21 2 | 1 59 | 15 9 | 1 18 | 1 23 | 1 14 | 7 42 | 2 33 | 13 21 | 0 47 | 21 50 | 1 15 | 5 0 | 16 6 | 22 44 | 22 33 | 14 59 | 10 3 | 1 37 |
| S 18 | 20 17 | 18 18 | 1 32 | 12 42 | 0 16 | 21 11 | 1 56 | 15 21 | 1 18 | 1 27 | 1 14 | 7 42 | 2 33 | 13 21 | 0 47 | 21 50 | 1 15 | 5 0 | 16 5 | 22 44 | 22 32 | 14 57 | 10 3 | 1 37 |
| M19 | 20 5 | 21 55 | 0 21 | 12 7 | 0 26 | 21 19 | 1 53 | 15 33 | 1 17 | 1 30 | 1 14 | 7 43 | 2 33 | 13 22 | 0 47 | 21 50 | 1 15 | 4 59 | 16 5 | 22 44 | 22 32 | 14 55 | 10 4 | 1 37 |
| T 20 | 19 52 | 24 23 | 0s54 | 11 32 | 0 36 | 21 27 | 1 50 | 15 44 | 1 17 | 1 34 | 1 14 | 7 43 | 2 34 | 13 23 | 0 47 | 21 50 | 1 15 | 4 58 | 16 4 | 22 44 | 22 31 | 14 52 | 10 4 | 1 37 |
| W21 | 19 39 | 25 21 | 2 8 | 10 58 | 0 46 | 21 34 | 1 46 | 15 56 | 1 16 | 1 37 | 1 13 | 7 43 | 2 34 | 13 24 | 0 47 | 21 50 | 1 15 | 4 57 | 16 3 | 22 43 | 22 31 | 14 50 | 10 4 | 1 37 |
| T 22 | 19 25 | 24 35 | 3 15 | 10 24 | 0 56 | 21 41 | 1 43 | 16 7 | 1 15 | 1 41 | 1 13 | 7 44 | 2 34 | 13 24 | 0 47 | 21 50 | 1 15 | 4 57 | 16 3 | 22 43 | 22 31 | 14 48 | 10 4 | 1 37 |
| F 23 | 19 12 | 22 3 | 4 9 | 9 50 | 1 6 | 21 47 | 1 40 | 16 18 | 1 15 | 1 45 | 1 13 | 7 44 | 2 34 | 13 25 | 0 47 | 21 49 | 1 15 | 4 56 | 16 2 | 22 42 | 22 30 | 14 45 | 10 4 | 1 37 |
| S 24 | 18 58 | 17 58 | 4 47 | 9 18 | 1 17 | 21 53 | 1 37 | 16 29 | 1 14 | 1 48 | 1 13 | 7 44 | 2 35 | 13 26 | 0 47 | 21 49 | 1 15 | 4 55 | 16 2 | 22 41 | 22 30 | 14 43 | 10 4 | 1 37 |
| S 25 | 18 43 | 12 45 | 5 5 | 8 45 | 1 28 | 21 58 | 1 34 | 16 40 | 1 13 | 1 52 | 1 13 | 7 44 | 2 35 | 13 27 | 0 47 | 21 49 | 1 15 | 4 54 | 16 1 | 22 41 | 22 29 | 14 41 | 10 4 | 1 37 |
| M26 | 18 29 | 6 50 | 5 2 | 8 14 | 1 38 | 22 3 | 1 30 | 16 51 | 1 12 | 1 56 | 1 12 | 7 44 | 2 35 | 13 27 | 0 47 | 21 49 | 1 15 | 4 53 | 16 1 | 22 40 | 22 29 | 14 38 | 10 3 | 1 37 |
| T 27 | 18 14 | 0 40 | 4 39 | 7 43 | 1 49 | 22 7 | 1 27 | 17 1 | 1 12 | 2 0 | 1 12 | 7 44 | 2 35 | 13 28 | 0 47 | 21 49 | 1 15 | 4 53 | 16 0 | 22 39 | 22 29 | 14 36 | 10 3 | 1 37 |
| W28 | 17 58 | 5n24 | 3 59 | 7 13 | 2 0 | 22 10 | 1 24 | 17 11 | 1 11 | 2 4 | 1 12 | 7 44 | 2 36 | 13 29 | 0 47 | 21 49 | 1 15 | 4 52 | 15 59 | 22 39 | 22 28 | 14 33 | 10 3 | 1 37 |
| T 29 | 17 43 | 11 1 | 3 6 | 6 44 | 2 10 | 22 13 | 1 20 | 17 22 | 1 10 | 2 8 | 1 12 | 7 44 | 2 36 | 13 30 | 0 47 | 21 49 | 1 15 | 4 51 | 15 59 | 22 39 | 22 28 | 14 31 | 10 3 | 1 37 |
| F 30 | 17 27 | 15 58 | 2 4 | 6 16 | 2 21 | 22 16 | 1 17 | 17 32 | 1 10 | 2 12 | 1 12 | 7 44 | 2 36 | 13 31 | 0 47 | 21 49 | 1 15 | 4 50 | 15 58 | 22 39 | 22 27 | 14 29 | 10 3 | 1 37 |
| S 31 | 17n11 | 20n 1 | 0s58 | 5n50 | 2s32 | 22n17 | 1s14 | 17n42 | 1s 9 | 2s16 | 1n11 | 7n44 | 2s37 | 13s31 | 0s47 | 21s49 | 1n15 | 4n49 | 15n58 | 22n39 | 22n27 | 14n26 | 10n 3 | 1n37 |

Julian Day Number = 2085393.5, Delta T = 24m35s
Ecliptic obliquity = 23°34'11, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'04, Lahiri = 9°53'04 Julian Calendar 1 July 997 == Greg. Calendar 6 July 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## AUGUST 997 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 20 59 12 | 13♌20'21 | 16♊14 | 9♍50 | 4♋55 | 24♉20 | 8♎35 | 26♈12 | 26°R22 | 18°R22 | 25♎56 | 14°R22 | 12♊42 | 5♍11 | 21°R48 | S 1 |
| M 2 | 21 3 9 | 14°18'11 | 28°44 | 10°27 | 6° 4 | 24°56 | 8°45 | 26°12 | 26♒20 | 18♐21 | 25°57 | 14♊21 | 12°39 | 5°18 | 21♈47 | M 2 |
| T 3 | 21 7 5 | 15°16'03 | 11♋ 1 | 11° 0 | 7°14 | 25°32 | 8°55 | 26°R12 | 26°17 | 18°20 | 25°58 | 14°18 | 12°36 | 5°25 | 21°46 | T 3 |
| W 4 | 21 11 2 | 16°13'57 | 23°10 | 11°28 | 8°24 | 26° 8 | 9° 5 | 26°12 | 26°15 | 18°20 | 25°59 | 14°12 | 12°33 | 5°31 | 21°45 | W 4 |
| T 5 | 21 14 58 | 17°11'52 | 5♌12 | 11°52 | 9°34 | 26°44 | 9°15 | 26°12 | 26°13 | 18°19 | 26° 1 | 14° 3 | 12°30 | 5°38 | 21°45 | T 5 |
| F 6 | 21 18 55 | 18° 9'49 | 17° 9 | 12°11 | 10°44 | 27°20 | 9°25 | 26°11 | 26°10 | 18°18 | 26° 2 | 13°53 | 12°26 | 5°45 | 21°44 | F 6 |
| S 7 | 21 22 51 | 19° 7'47 | 29° 3 | 12°25 | 11°55 | 27°55 | 9°35 | 26°11 | 26° 8 | 18°18 | 26° 3 | 13°41 | 12°23 | 5°51 | 21°43 | S 7 |
| S 8 | 21 26 48 | 20° 5'47 | 10♍55 | 12°34 | 13° 5 | 28°30 | 9°46 | 26°10 | 26° 6 | 18°17 | 26° 4 | 13°28 | 12°20 | 5°58 | 21°42 | S 8 |
| M 9 | 21 30 44 | 21° 3'49 | 22°46 | 12°R37 | 14°15 | 29° 5 | 9°56 | 26°10 | 26° 3 | 18°17 | 26° 6 | 13°16 | 12°17 | 6° 5 | 21°41 | M 9 |
| T 10 | 21 34 41 | 22° 1'52 | 4♎39 | 12°35 | 15°26 | 29°40 | 10° 7 | 26° 9 | 26° 1 | 18°16 | 26° 7 | 13° 6 | 12°14 | 6°12 | 21°40 | T 10 |
| W11 | 21 38 38 | 22°59'56 | 16°37 | 12°26 | 16°36 | 0♊15 | 10°18 | 26° 8 | 25°58 | 18°16 | 26° 8 | 12°58 | 12°11 | 6°18 | 21°39 | W11 |
| T 12 | 21 42 34 | 23°58'02 | 28°42 | 12°11 | 17°47 | 0°49 | 10°28 | 26° 7 | 25°56 | 18°15 | 26°10 | 12°53 | 12° 7 | 6°25 | 21°38 | T 12 |
| F 13 | 21 46 31 | 24°56'10 | 10♏58 | 11°50 | 18°58 | 1°23 | 10°39 | 26° 6 | 25°54 | 18°15 | 26°11 | 12°50 | 12° 4 | 6°32 | 21°36 | F 13 |
| S 14 | 21 50 27 | 25°54'19 | 23°31 | 11°23 | 20° 9 | 1°57 | 10°50 | 26° 5 | 25°51 | 18°15 | 26°12 | 12°D49 | 12° 1 | 6°38 | 21°35 | S 14 |
| S 15 | 21 54 24 | 26°52'30 | 6♐24 | 10°49 | 21°20 | 2°31 | 11° 1 | 26° 4 | 25°49 | 18°14 | 26°14 | 12°R49 | 11°58 | 6°45 | 21°34 | S 15 |
| M16 | 21 58 20 | 27°50'42 | 19°42 | 10°10 | 22°31 | 3° 4 | 11°12 | 26° 3 | 25°46 | 18°14 | 26°15 | 12°49 | 11°55 | 6°52 | 21°32 | M16 |
| T 17 | 22 2 17 | 28°48'55 | 3♑28 | 9°25 | 23°42 | 3°38 | 11°23 | 26° 1 | 25°44 | 18°14 | 26°17 | 12°48 | 11°51 | 6°59 | 21°31 | T 17 |
| W18 | 22 6 13 | 29°47'11 | 17°44 | 8°35 | 24°53 | 4°11 | 11°34 | 26° 0 | 25°42 | 18°13 | 26°18 | 12°44 | 11°48 | 7° 5 | 21°30 | W18 |
| T 19 | 22 10 10 | 0♍45'28 | 2♒27 | 7°40 | 26° 5 | 4°44 | 11°46 | 25°58 | 25°39 | 18°13 | 26°20 | 12°38 | 11°45 | 7°12 | 21°28 | T 19 |
| F 20 | 22 14 7 | 1°43'46 | 17°32 | 6°43 | 27°16 | 5°16 | 11°57 | 25°56 | 25°37 | 18°13 | 26°22 | 12°30 | 11°42 | 7°19 | 21°27 | F 20 |
| S 21 | 22 18 3 | 2°42'07 | 2♓50 | 5°43 | 28°28 | 5°49 | 12° 8 | 25°55 | 25°34 | 18°13 | 26°23 | 12°19 | 11°39 | 7°26 | 21°25 | S 21 |
| S 22 | 22 22 0 | 3°40'29 | 18°11 | 4°42 | 29°39 | 6°21 | 12°20 | 25°53 | 25°32 | 18°13 | 26°25 | 12° 8 | 11°36 | 7°32 | 21°23 | S 22 |
| M23 | 22 25 56 | 4°38'53 | 3♈22 | 3°41 | 0♌51 | 6°53 | 12°31 | 25°51 | 25°30 | 18°13 | 26°27 | 11°58 | 11°32 | 7°39 | 21°22 | M23 |
| T 24 | 22 29 53 | 5°37'19 | 18°13 | 2°42 | 2° 3 | 7°24 | 12°43 | 25°49 | 25°27 | 18°13 | 26°28 | 11°50 | 11°29 | 7°46 | 21°20 | T 24 |
| W25 | 22 33 49 | 6°35'47 | 2♉39 | 1°46 | 3°15 | 7°56 | 12°55 | 25°46 | 25°25 | 18°D12 | 26°30 | 11°45 | 11°26 | 7°52 | 21°18 | W25 |
| T 26 | 22 37 46 | 7°34'18 | 16°35 | 0°54 | 4°27 | 8°27 | 13° 6 | 25°44 | 25°23 | 18°12 | 26°32 | 11°42 | 11°23 | 7°59 | 21°16 | T 26 |
| F 27 | 22 41 42 | 8°32'50 | 0♊ 3 | 0° 9 | 5°39 | 8°58 | 13°18 | 25°42 | 25°20 | 18°13 | 26°33 | 11°41 | 11°20 | 8° 6 | 21°14 | F 27 |
| S 28 | 22 45 39 | 9°31'26 | 13° 4 | 29♌30 | 6°51 | 9°28 | 13°30 | 25°39 | 25°18 | 18°13 | 26°35 | 11°40 | 11°17 | 8°13 | 21°13 | S 28 |
| S 29 | 22 49 36 | 10°30'03 | 25°44 | 29° 0 | 8° 3 | 9°59 | 13°42 | 25°37 | 25°16 | 18°13 | 26°37 | 11°40 | 11°13 | 8°19 | 21°11 | S 29 |
| M30 | 22 53 32 | 11°28'43 | 8♋ 7 | 28°38 | 9°16 | 10°29 | 13°54 | 25°34 | 25°13 | 18°13 | 26°39 | 11°38 | 11°10 | 8°26 | 21° 9 | M30 |
| T 31 | 22 57 29 | 12♍27'25 | 20♋17 | 28♌26 | 10♌28 | 10♊58 | 14♎ 6 | 25♈31 | 25♒11 | 18♐13 | 26♎41 | 11♊34 | 11♊ 7 | 8♍33 | 21♈ 7 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n54 | 23n 1 | 0n10 | 5n25 | 2s42 | 22n19 | 1s10 | 17n51 | 1s 8 | 2s20 | 1n11 | 7n44 | 2s37 | 13s32 | 0s47 | 21s49 | 1n15 | 4n48 | 15n57 | 22n39 | 22n27 | 14n24 | 10n 3 | 1n37 |
| M 2 | 16 38 | 24 50 | 1 16 | 5 1 | 2 53 | 22 19 | 1 7 | 18 1 | 1 7 | 2 24 | 1 11 | 7 44 | 2 37 | 13 33 | 0 47 | 21 49 | 1 14 | 4 47 | 15 57 | 22 39 | 22 26 | 14 21 | 10 2 | 1 38 |
| T 3 | 16 21 | 25 23 | 2 17 | 4 40 | 3 3 | 22 19 | 1 3 | 18 10 | 1 6 | 2 28 | 1 11 | 7 43 | 2 37 | 13 34 | 0 47 | 21 49 | 1 14 | 4 47 | 15 56 | 22 38 | 22 26 | 14 19 | 10 2 | 1 38 |
| W 4 | 16 3 | 24 43 | 3 11 | 4 19 | 3 13 | 22 18 | 1 0 | 18 20 | 1 6 | 2 32 | 1 11 | 7 43 | 2 38 | 13 35 | 0 47 | 21 49 | 1 14 | 4 46 | 15 56 | 22 38 | 22 25 | 14 17 | 10 2 | 1 38 |
| T 5 | 15 46 | 22 53 | 3 56 | 4 1 | 3 23 | 22 17 | 0 56 | 18 29 | 1 5 | 2 36 | 1 11 | 7 43 | 2 38 | 13 35 | 0 47 | 21 49 | 1 14 | 4 45 | 15 55 | 22 37 | 22 25 | 14 14 | 10 2 | 1 38 |
| F 6 | 15 28 | 20 4 | 4 30 | 3 46 | 3 32 | 22 15 | 0 53 | 18 38 | 1 4 | 2 40 | 1 10 | 7 43 | 2 38 | 13 36 | 0 47 | 21 49 | 1 14 | 4 44 | 15 54 | 22 35 | 22 25 | 14 12 | 10 1 | 1 38 |
| S 7 | 15 10 | 16 25 | 4 52 | 3 32 | 3 41 | 22 13 | 0 49 | 18 47 | 1 3 | 2 45 | 1 10 | 7 42 | 2 38 | 13 37 | 0 47 | 21 49 | 1 14 | 4 43 | 15 54 | 22 34 | 22 24 | 14 9 | 10 1 | 1 38 |
| S 8 | 14 52 | 12 9 | 5 1 | 3 21 | 3 49 | 22 10 | 0 46 | 18 55 | 1 2 | 2 49 | 1 10 | 7 42 | 2 39 | 13 38 | 0 47 | 21 49 | 1 14 | 4 42 | 15 53 | 22 32 | 22 24 | 14 7 | 10 1 | 1 38 |
| M 9 | 14 33 | 7 26 | 4 58 | 3 13 | 3 57 | 22 6 | 0 43 | 19 4 | 1 1 | 2 53 | 1 10 | 7 41 | 2 39 | 13 39 | 0 47 | 21 49 | 1 14 | 4 41 | 15 53 | 22 31 | 22 23 | 14 5 | 10 0 | 1 38 |
| T 10 | 14 15 | 2 26 | 4 41 | 3 7 | 4 4 | 22 1 | 0 39 | 19 12 | 1 0 | 2 58 | 1 10 | 7 41 | 2 39 | 13 40 | 0 47 | 21 49 | 1 14 | 4 40 | 15 52 | 22 30 | 22 23 | 14 2 | 10 0 | 1 38 |
| W11 | 13 56 | 2s41 | 4 12 | 3 5 | 4 10 | 21 56 | 0 36 | 19 21 | 1 0 | 3 2 | 1 10 | 7 40 | 2 39 | 13 40 | 0 47 | 21 49 | 1 14 | 4 39 | 15 52 | 22 29 | 22 23 | 14 0 | 9 59 | 1 38 |
| T 12 | 13 36 | 7 47 | 3 31 | 3 6 | 4 15 | 21 51 | 0 32 | 19 29 | 0 59 | 3 6 | 1 9 | 7 40 | 2 40 | 13 41 | 0 47 | 21 49 | 1 14 | 4 38 | 15 51 | 22 28 | 22 22 | 13 57 | 9 59 | 1 38 |
| F 13 | 13 17 | 12 40 | 2 40 | 3 11 | 4 19 | 21 45 | 0 29 | 19 37 | 0 58 | 3 11 | 1 9 | 7 39 | 2 40 | 13 42 | 0 47 | 21 49 | 1 14 | 4 37 | 15 51 | 22 28 | 22 22 | 13 55 | 9 59 | 1 38 |
| S 14 | 12 57 | 17 8 | 1 40 | 3 19 | 4 21 | 21 38 | 0 25 | 19 44 | 0 57 | 3 15 | 1 9 | 7 38 | 2 40 | 13 43 | 0 47 | 21 49 | 1 14 | 4 36 | 15 50 | 22 28 | 22 21 | 13 52 | 9 58 | 1 38 |
| S 15 | 12 37 | 20 56 | 0 34 | 3 30 | 4 22 | 21 30 | 0 22 | 19 52 | 0 56 | 3 20 | 1 9 | 7 38 | 2 40 | 13 44 | 0 47 | 21 49 | 1 14 | 4 35 | 15 50 | 22 28 | 22 21 | 13 50 | 9 58 | 1 38 |
| M16 | 12 17 | 23 46 | 0s36 | 3 46 | 4 22 | 21 22 | 0 19 | 19 59 | 0 55 | 3 24 | 1 9 | 7 37 | 2 41 | 13 44 | 0 47 | 21 49 | 1 14 | 4 34 | 15 49 | 22 28 | 22 20 | 13 47 | 9 57 | 1 38 |
| T 17 | 11 57 | 25 18 | 1 47 | 4 5 | 4 19 | 21 14 | 0 15 | 20 7 | 0 54 | 3 29 | 1 9 | 7 36 | 2 41 | 13 45 | 0 47 | 21 49 | 1 14 | 4 33 | 15 49 | 22 27 | 22 20 | 13 45 | 9 57 | 1 38 |
| W18 | 11 37 | 25 15 | 2 53 | 4 27 | 4 15 | 21 4 | 0 12 | 20 14 | 0 53 | 3 33 | 1 8 | 7 36 | 2 41 | 13 46 | 0 47 | 21 49 | 1 14 | 4 32 | 15 48 | 22 27 | 22 20 | 13 42 | 9 56 | 1 38 |
| T 19 | 11 16 | 23 27 | 3 50 | 4 53 | 4 9 | 20 54 | 0 9 | 20 21 | 0 52 | 3 38 | 1 8 | 7 35 | 2 41 | 13 47 | 0 47 | 21 49 | 1 14 | 4 31 | 15 48 | 22 26 | 22 19 | 13 40 | 9 55 | 1 38 |
| F 20 | 10 55 | 19 59 | 4 33 | 5 22 | 4 1 | 20 44 | 0 5 | 20 28 | 0 51 | 3 42 | 1 8 | 7 34 | 2 42 | 13 48 | 0 47 | 21 49 | 1 14 | 4 30 | 15 47 | 22 25 | 22 19 | 13 38 | 9 55 | 1 38 |
| S 21 | 10 34 | 15 7 | 4 56 | 5 53 | 3 51 | 20 33 | 0 2 | 20 35 | 0 50 | 3 47 | 1 8 | 7 33 | 2 42 | 13 48 | 0 47 | 21 49 | 1 14 | 4 29 | 15 47 | 22 24 | 22 18 | 13 35 | 9 54 | 1 38 |
| S 22 | 10 13 | 9 16 | 4 59 | 6 26 | 3 40 | 20 21 | 0n 1 | 20 41 | 0 49 | 3 52 | 1 8 | 7 32 | 2 42 | 13 49 | 0 47 | 21 49 | 1 14 | 4 28 | 15 47 | 22 22 | 22 18 | 13 33 | 9 54 | 1 38 |
| M23 | 9 52 | 2 56 | 4 40 | 7 1 | 3 26 | 20 9 | 0 4 | 20 48 | 0 48 | 3 56 | 1 8 | 7 31 | 2 42 | 13 50 | 0 47 | 21 49 | 1 13 | 4 27 | 15 46 | 22 21 | 22 17 | 13 30 | 9 53 | 1 38 |
| T 24 | 9 30 | 3n27 | 4 3 | 7 36 | 3 11 | 19 56 | 0 7 | 20 54 | 0 46 | 4 1 | 1 8 | 7 30 | 2 43 | 13 51 | 0 47 | 21 49 | 1 13 | 4 26 | 15 46 | 22 20 | 22 17 | 13 28 | 9 52 | 1 38 |
| W25 | 9 8 | 9 29 | 3 10 | 8 12 | 2 54 | 19 42 | 0 11 | 21 0 | 0 45 | 4 5 | 1 7 | 7 29 | 2 43 | 13 52 | 0 47 | 21 50 | 1 13 | 4 25 | 15 45 | 22 19 | 22 17 | 13 25 | 9 52 | 1 38 |
| T 26 | 8 47 | 14 50 | 2 8 | 8 47 | 2 36 | 19 28 | 0 14 | 21 6 | 0 44 | 4 10 | 1 7 | 7 28 | 2 43 | 13 52 | 0 47 | 21 50 | 1 13 | 4 24 | 15 45 | 22 19 | 22 16 | 13 23 | 9 51 | 1 38 |
| F 27 | 8 25 | 19 17 | 1 1 | 9 20 | 2 17 | 19 14 | 0 17 | 21 12 | 0 43 | 4 15 | 1 7 | 7 27 | 2 43 | 13 53 | 0 47 | 21 50 | 1 13 | 4 23 | 15 44 | 22 19 | 22 16 | 13 20 | 9 50 | 1 38 |
| S 28 | 8 2 | 22 37 | 0n 7 | 9 52 | 1 58 | 18 59 | 0 20 | 21 18 | 0 42 | 4 20 | 1 7 | 7 26 | 2 43 | 13 54 | 0 47 | 21 50 | 1 13 | 4 22 | 15 44 | 22 18 | 22 15 | 13 18 | 9 50 | 1 38 |
| S 29 | 7 40 | 24 44 | 1 14 | 10 21 | 1 38 | 18 43 | 0 23 | 21 24 | 0 41 | 4 24 | 1 7 | 7 25 | 2 44 | 13 55 | 0 47 | 21 50 | 1 13 | 4 21 | 15 43 | 22 18 | 22 15 | 13 15 | 9 49 | 1 38 |
| M30 | 7 18 | 25 34 | 2 15 | 10 47 | 1 18 | 18 27 | 0 26 | 21 29 | 0 39 | 4 29 | 1 7 | 7 24 | 2 44 | 13 56 | 0 47 | 21 50 | 1 13 | 4 20 | 15 43 | 22 18 | 22 14 | 13 13 | 9 48 | 1 38 |
| T 31 | 6n55 | 25n 8 | 3n 9 | 11n10 | 0s59 | 18n10 | 0n29 | 21n35 | 0s38 | 4s34 | 1n 7 | 7n22 | 2s44 | 13s56 | 0s47 | 21s50 | 1n13 | 4n19 | 15n43 | 22n18 | 22n14 | 13n10 | 9n47 | 1n38 |

Julian Day Number = 2085424.5, Delta T = 24m35s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'08, Lahiri = 9°53'09 Julian Calendar 1 Aug. 997 == Greg. Calendar 6 Aug. 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## SEPTEMBER 997 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 23 1 25 | 13♍26'09 | 2♌17 | 28°D23 | 11♌41 | 11♊28 | 14♎18 | 25°R28 | 25°R 9 | 18♐13 | 26♎43 | 11°R27 | 11♊ 4 | 8♍40 | 21°R 5 | W 1 |
| T 2 | 23 5 22 | 14°24'55 | 14°13 | 28♌31 | 12°53 | 11°57 | 14°30 | 25♈25 | 25♒ 7 | 18°13 | 26°45 | 11♊17 | 11° 1 | 8°46 | 21♈ 2 | T 2 |
| F 3 | 23 9 18 | 15°23'44 | 26° 6 | 28°48 | 14° 6 | 12°26 | 14°42 | 25°22 | 25° 4 | 18°14 | 26°47 | 11° 5 | 10°57 | 8°53 | 21° 0 | F 3 |
| S 4 | 23 13 15 | 16°22'34 | 7♍57 | 29°14 | 15°18 | 12°54 | 14°55 | 25°19 | 25° 2 | 18°14 | 26°49 | 10°51 | 10°54 | 9° 0 | 20°58 | S 4 |
| S 5 | 23 17 11 | 17°21'27 | 19°50 | 29°50 | 16°31 | 13°22 | 15° 7 | 25°16 | 25° 0 | 18°14 | 26°51 | 10°36 | 10°51 | 9° 6 | 20°56 | S 5 |
| M 6 | 23 21 8 | 18°20'21 | 1♎44 | 0♍35 | 17°44 | 13°50 | 15°19 | 25°12 | 24°58 | 18°15 | 26°53 | 10°23 | 10°48 | 9°13 | 20°54 | M 6 |
| T 7 | 23 25 5 | 19°19'18 | 13°42 | 1°28 | 18°57 | 14°18 | 15°32 | 25° 9 | 24°56 | 18°15 | 26°55 | 10°10 | 10°45 | 9°20 | 20°51 | T 7 |
| W 8 | 23 29 1 | 20°18'16 | 25°45 | 2°29 | 20°10 | 14°45 | 15°44 | 25° 6 | 24°54 | 18°16 | 26°57 | 10° 1 | 10°42 | 9°27 | 20°49 | W 8 |
| T 9 | 23 32 58 | 21°17'17 | 7♏55 | 3°36 | 21°23 | 15°11 | 15°56 | 25° 2 | 24°52 | 18°16 | 26°59 | 9°54 | 10°38 | 9°33 | 20°47 | T 9 |
| F 10 | 23 36 54 | 22°16'19 | 20°16 | 4°50 | 22°36 | 15°38 | 16° 9 | 24°58 | 24°50 | 18°17 | 27° 1 | 9°51 | 10°35 | 9°40 | 20°44 | F 10 |
| S 11 | 23 40 51 | 23°15'24 | 2♐49 | 6° 9 | 23°49 | 16° 4 | 16°22 | 24°55 | 24°48 | 18°17 | 27° 3 | 9°49 | 10°32 | 9°47 | 20°42 | S 11 |
| S 12 | 23 44 47 | 24°14'30 | 15°40 | 7°34 | 25° 3 | 16°30 | 16°34 | 24°51 | 24°46 | 18°18 | 27° 5 | 9°D49 | 10°29 | 9°53 | 20°39 | S 12 |
| M13 | 23 48 44 | 25°13'38 | 28°53 | 9° 2 | 26°16 | 16°55 | 16°47 | 24°47 | 24°44 | 18°18 | 27° 7 | 9°R49 | 10°26 | 10° 0 | 20°37 | M13 |
| T 14 | 23 52 40 | 26°12'48 | 12♑30 | 10°34 | 27°29 | 17°20 | 16°59 | 24°43 | 24°42 | 18°19 | 27° 9 | 9°48 | 10°22 | 10° 7 | 20°34 | T 14 |
| W15 | 23 56 37 | 27°11'59 | 26°34 | 12° 9 | 28°43 | 17°44 | 17°12 | 24°39 | 24°40 | 18°20 | 27°11 | 9°45 | 10°19 | 10°14 | 20°32 | W15 |
| T 16 | 0 0 34 | 28°11'13 | 11♒ 4 | 13°46 | 29°56 | 18° 8 | 17°25 | 24°35 | 24°38 | 18°20 | 27°14 | 9°40 | 10°16 | 10°20 | 20°29 | T 16 |
| F 17 | 0 4 30 | 29°10'28 | 25°58 | 15°26 | 1♍10 | 18°32 | 17°38 | 24°31 | 24°36 | 18°21 | 27°16 | 9°32 | 10°13 | 10°27 | 20°27 | F 17 |
| S 18 | 0 8 27 | 0♎ 9'45 | 11♓ 8 | 17° 7 | 2°24 | 18°56 | 17°50 | 24°27 | 24°34 | 18°22 | 27°18 | 9°22 | 10°10 | 10°34 | 20°24 | S 18 |
| S 19 | 0 12 23 | 1° 9'04 | 26°24 | 18°49 | 3°37 | 19°18 | 18° 3 | 24°23 | 24°32 | 18°23 | 27°20 | 9°12 | 10° 7 | 10°41 | 20°22 | S 19 |
| M20 | 0 16 20 | 2° 8'25 | 11♈36 | 20°33 | 4°51 | 19°41 | 18°16 | 24°19 | 24°31 | 18°23 | 27°22 | 9° 2 | 10° 3 | 10°47 | 20°19 | M20 |
| T 21 | 0 20 16 | 3° 7'48 | 26°32 | 22°17 | 6° 5 | 20° 3 | 18°29 | 24°14 | 24°29 | 18°24 | 27°25 | 8°55 | 10° 0 | 10°54 | 20°16 | T 21 |
| W22 | 0 24 13 | 4° 7'13 | 11♉ 5 | 24° 1 | 7°19 | 20°24 | 18°42 | 24°10 | 24°27 | 18°25 | 27°27 | 8°49 | 9°57 | 11° 1 | 20°14 | W22 |
| T 23 | 0 28 9 | 5° 6'41 | 25°10 | 25°46 | 8°33 | 20°45 | 18°55 | 24° 5 | 24°26 | 18°26 | 27°29 | 8°46 | 9°54 | 11° 7 | 20°11 | T 23 |
| F 24 | 0 32 6 | 6° 6'11 | 8♊45 | 27°30 | 9°47 | 21° 6 | 19° 8 | 24° 1 | 24°24 | 18°27 | 27°32 | 8°D46 | 9°51 | 11°14 | 20° 8 | F 24 |
| S 25 | 0 36 2 | 7° 5'44 | 21°53 | 29°15 | 11° 1 | 21°26 | 19°21 | 23°56 | 24°22 | 18°28 | 27°34 | 8°46 | 9°48 | 11°21 | 20° 5 | S 25 |
| S 26 | 0 39 59 | 8° 5'19 | 4♋36 | 0♎59 | 12°15 | 21°46 | 19°34 | 23°52 | 24°21 | 18°29 | 27°36 | 8°R47 | 9°44 | 11°28 | 20° 3 | S 26 |
| M27 | 0 43 56 | 9° 4'56 | 17° 0 | 2°43 | 13°29 | 22° 5 | 19°47 | 23°47 | 24°19 | 18°30 | 27°38 | 8°46 | 9°41 | 11°34 | 20° 0 | M27 |
| T 28 | 0 47 52 | 10° 4'35 | 29° 9 | 4°26 | 14°43 | 22°24 | 20° 0 | 23°43 | 24°18 | 18°31 | 27°41 | 8°44 | 9°38 | 11°41 | 19°57 | T 28 |
| W29 | 0 51 49 | 11° 4'17 | 11♌ 7 | 6°10 | 15°57 | 22°42 | 20°13 | 23°38 | 24°16 | 18°32 | 27°43 | 8°40 | 9°35 | 11°48 | 19°54 | W29 |
| T 30 | 0 55 45 | 12♎ 4'01 | 23♌ 0 | 7♎52 | 17♍11 | 22♊59 | 20♎26 | 23♈33 | 24♒15 | 18♐33 | 27♎46 | 8♊33 | 9♊32 | 11♍55 | 19♈52 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 6n33 | 23n32 | 3n53 | 11n28 | 0s40 | 17n53 | 0n31 | 21n40 | 0s37 | 4s39 | 1n 7 | 7n21 | 2s44 | 13s57 | 0s47 | 21s50 | 1n13 | 4n18 | 15n42 | 22n17 | 22n13 | 13n 7 | 9n46 | 1n38 |
| T 2 | 6 10 | 20 55 | 4 27 | 11 43 | 0 22 | 17 35 | 0 34 | 21 45 | 0 36 | 4 44 | 1 7 | 7 20 | 2 45 | 13 58 | 0 47 | 21 50 | 1 13 | 4 17 | 15 42 | 22 15 | 22 13 | 13 5 | 9 46 | 1 38 |
| F 3 | 5 47 | 17 25 | 4 49 | 11 53 | 0 4 | 17 17 | 0 37 | 21 50 | 0 34 | 4 48 | 1 6 | 7 19 | 2 45 | 13 59 | 0 47 | 21 50 | 1 13 | 4 16 | 15 41 | 22 14 | 22 13 | 13 2 | 9 45 | 1 38 |
| S 4 | 5 24 | 13 15 | 4 59 | 11 59 | 0n12 | 16 58 | 0 40 | 21 55 | 0 33 | 4 53 | 1 6 | 7 17 | 2 45 | 13 59 | 0 47 | 21 50 | 1 13 | 4 15 | 15 41 | 22 12 | 22 12 | 13 0 | 9 44 | 1 38 |
| S 5 | 5 1 | 8 34 | 4 55 | 12 1 | 0 27 | 16 38 | 0 42 | 22 0 | 0 32 | 4 58 | 1 6 | 7 16 | 2 45 | 14 0 | 0 47 | 21 50 | 1 13 | 4 14 | 15 41 | 22 10 | 22 12 | 12 57 | 9 43 | 1 38 |
| M 6 | 4 38 | 3 34 | 4 39 | 11 58 | 0 41 | 16 19 | 0 45 | 22 5 | 0 30 | 5 3 | 1 6 | 7 15 | 2 45 | 14 1 | 0 47 | 21 50 | 1 13 | 4 13 | 15 40 | 22 8 | 22 11 | 12 55 | 9 42 | 1 38 |
| T 7 | 4 15 | 1s35 | 4 10 | 11 51 | 0 54 | 15 58 | 0 47 | 22 10 | 0 29 | 5 8 | 1 6 | 7 13 | 2 45 | 14 1 | 0 47 | 21 50 | 1 13 | 4 12 | 15 40 | 22 6 | 22 11 | 12 52 | 9 41 | 1 38 |
| W 8 | 3 52 | 6 44 | 3 30 | 11 40 | 1 6 | 15 38 | 0 50 | 22 14 | 0 28 | 5 13 | 1 6 | 7 12 | 2 46 | 14 2 | 0 47 | 21 50 | 1 13 | 4 11 | 15 40 | 22 4 | 22 10 | 12 50 | 9 40 | 1 38 |
| T 9 | 3 28 | 11 42 | 2 40 | 11 25 | 1 16 | 15 16 | 0 52 | 22 18 | 0 26 | 5 18 | 1 6 | 7 10 | 2 46 | 14 3 | 0 47 | 21 51 | 1 13 | 4 10 | 15 39 | 22 3 | 22 10 | 12 47 | 9 40 | 1 38 |
| F 10 | 3 5 | 16 17 | 1 42 | 11 6 | 1 25 | 14 55 | 0 55 | 22 23 | 0 25 | 5 23 | 1 6 | 7 9 | 2 46 | 14 3 | 0 47 | 21 51 | 1 13 | 4 9 | 15 39 | 22 3 | 22 9 | 12 45 | 9 39 | 1 38 |
| S 11 | 2 41 | 20 14 | 0 37 | 10 44 | 1 33 | 14 33 | 0 57 | 22 27 | 0 23 | 5 27 | 1 6 | 7 7 | 2 46 | 14 4 | 0 47 | 21 51 | 1 13 | 4 8 | 15 39 | 22 3 | 22 9 | 12 42 | 9 38 | 1 37 |
| S 12 | 2 18 | 23 18 | 0s31 | 10 19 | 1 39 | 14 10 | 0 59 | 22 31 | 0 22 | 5 32 | 1 5 | 7 6 | 2 46 | 14 5 | 0 47 | 21 51 | 1 12 | 4 7 | 15 38 | 22 3 | 22 8 | 12 39 | 9 37 | 1 37 |
| M13 | 1 54 | 25 13 | 1 39 | 9 50 | 1 44 | 13 47 | 1 1 | 22 35 | 0 21 | 5 37 | 1 5 | 7 4 | 2 46 | 14 5 | 0 47 | 21 51 | 1 12 | 4 6 | 15 38 | 22 3 | 22 8 | 12 37 | 9 36 | 1 37 |
| T 14 | 1 31 | 25 42 | 2 44 | 9 19 | 1 49 | 13 24 | 1 3 | 22 39 | 0 19 | 5 42 | 1 5 | 7 3 | 2 47 | 14 6 | 0 47 | 21 51 | 1 12 | 4 5 | 15 38 | 22 3 | 22 8 | 12 34 | 9 35 | 1 37 |
| W15 | 1 7 | 24 34 | 3 41 | 8 46 | 1 52 | 13 0 | 1 5 | 22 43 | 0 17 | 5 47 | 1 5 | 7 1 | 2 47 | 14 7 | 0 47 | 21 51 | 1 12 | 4 4 | 15 37 | 22 2 | 22 7 | 12 32 | 9 34 | 1 37 |
| T 16 | 0 43 | 21 48 | 4 26 | 8 10 | 1 54 | 12 36 | 1 7 | 22 46 | 0 16 | 5 52 | 1 5 | 6 59 | 2 47 | 14 7 | 0 47 | 21 51 | 1 12 | 4 3 | 15 37 | 22 1 | 22 7 | 12 29 | 9 33 | 1 37 |
| F 17 | 0 20 | 17 32 | 4 54 | 7 33 | 1 55 | 12 12 | 1 9 | 22 50 | 0 14 | 5 57 | 1 5 | 6 58 | 2 47 | 14 8 | 0 47 | 21 51 | 1 12 | 4 2 | 15 37 | 22 0 | 22 6 | 12 27 | 9 32 | 1 37 |
| S 18 | 0s 4 | 12 5 | 5 2 | 6 54 | 1 56 | 11 47 | 1 11 | 22 54 | 0 13 | 6 2 | 1 5 | 6 56 | 2 47 | 14 8 | 0 47 | 21 52 | 1 12 | 4 1 | 15 37 | 21 59 | 22 6 | 12 24 | 9 31 | 1 37 |
| S 19 | 0 28 | 5 51 | 4 49 | 6 13 | 1 56 | 11 22 | 1 13 | 22 57 | 0 11 | 6 7 | 1 5 | 6 55 | 2 47 | 14 9 | 0 47 | 21 52 | 1 12 | 4 0 | 15 36 | 21 57 | 22 5 | 12 21 | 9 30 | 1 37 |
| M20 | 0 51 | 0n42 | 4 15 | 5 31 | 1 55 | 10 57 | 1 15 | 23 1 | 0 9 | 6 12 | 1 5 | 6 53 | 2 47 | 14 10 | 0 47 | 21 52 | 1 12 | 3 59 | 15 36 | 21 56 | 22 5 | 12 19 | 9 29 | 1 37 |
| T 21 | 1 15 | 7 7 | 3 25 | 4 48 | 1 53 | 10 31 | 1 16 | 23 4 | 0 8 | 6 17 | 1 5 | 6 51 | 2 47 | 14 10 | 0 47 | 21 52 | 1 12 | 3 58 | 15 36 | 21 54 | 22 4 | 12 16 | 9 28 | 1 37 |
| W22 | 1 39 | 13 0 | 2 22 | 4 5 | 1 51 | 10 5 | 1 18 | 23 7 | 0 6 | 6 22 | 1 5 | 6 50 | 2 48 | 14 11 | 0 47 | 21 52 | 1 12 | 3 57 | 15 36 | 21 54 | 22 4 | 12 14 | 9 27 | 1 37 |
| T 23 | 2 2 | 18 0 | 1 12 | 3 21 | 1 48 | 9 38 | 1 20 | 23 10 | 0 4 | 6 27 | 1 5 | 6 48 | 2 48 | 14 11 | 0 47 | 21 52 | 1 12 | 3 56 | 15 35 | 21 53 | 22 3 | 12 11 | 9 26 | 1 37 |
| F 24 | 2 26 | 21 53 | 0 0 | 2 36 | 1 45 | 9 12 | 1 21 | 23 14 | 0 3 | 6 32 | 1 5 | 6 46 | 2 48 | 14 12 | 0 47 | 21 52 | 1 12 | 3 55 | 15 35 | 21 53 | 22 3 | 12 8 | 9 24 | 1 37 |
| S 25 | 2 50 | 24 29 | 1n 9 | 1 51 | 1 41 | 8 45 | 1 22 | 23 17 | 0 1 | 6 37 | 1 4 | 6 44 | 2 48 | 14 12 | 0 47 | 21 52 | 1 12 | 3 54 | 15 35 | 21 53 | 22 2 | 12 6 | 9 23 | 1 37 |
| S 26 | 3 14 | 25 43 | 2 13 | 1 5 | 1 37 | 8 17 | 1 24 | 23 20 | 0n 1 | 6 42 | 1 4 | 6 43 | 2 48 | 14 13 | 0 47 | 21 53 | 1 12 | 3 53 | 15 35 | 21 53 | 22 2 | 12 3 | 9 22 | 1 37 |
| M27 | 3 37 | 25 37 | 3 9 | 0 20 | 1 32 | 7 50 | 1 25 | 23 23 | 0 3 | 6 47 | 1 4 | 6 41 | 2 48 | 14 13 | 0 47 | 21 53 | 1 12 | 3 52 | 15 34 | 21 53 | 22 1 | 12 0 | 9 21 | 1 37 |
| T 28 | 4 1 | 24 17 | 3 56 | 0s26 | 1 28 | 7 22 | 1 26 | 23 26 | 0 5 | 6 52 | 1 4 | 6 39 | 2 48 | 14 14 | 0 47 | 21 53 | 1 12 | 3 51 | 15 34 | 21 53 | 22 1 | 11 58 | 9 20 | 1 37 |
| W29 | 4 24 | 21 52 | 4 31 | 1 12 | 1 22 | 6 54 | 1 27 | 23 29 | 0 6 | 6 57 | 1 4 | 6 37 | 2 48 | 14 14 | 0 47 | 21 53 | 1 12 | 3 50 | 15 34 | 21 52 | 22 1 | 11 55 | 9 19 | 1 37 |
| T 30 | 4s48 | 18n32 | 4n54 | 1s58 | 1n17 | 6n26 | 1n28 | 23n31 | 0n 8 | 7s 2 | 1n 4 | 6n36 | 2s48 | 14s15 | 0s47 | 21s53 | 1n12 | 3n49 | 15n34 | 21n51 | 22n 0 | 11n53 | 9n18 | 1n37 |

Julian Day Number = 2085455.5, Delta T = 24m34s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'12, Lahiri = 9°53'13 Julian Calendar 1 Sept. 997 == Greg. Calendar 6 Sept. 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## OCTOBER 997 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 0 59 42 | 13♎ 3'47 | 4♍51 | 9♎35 | 18♍26 | 23♊16 | 20♎39 | 23°R29 | 24°R14 | 18♐35 | 27♎48 | 8°R24 | 9♊28 | 12♍ 1 | 19°R49 | F 1 |
| S 2 | 1 3 38 | 14° 3'36 | 16°43 | 11°16 | 19°40 | 23°33 | 20°52 | 23♈24 | 24♒12 | 18°36 | 27°50 | 8♊14 | 9°25 | 12° 8 | 19♈46 | S 2 |
| S 3 | 1 7 35 | 15° 3'26 | 28°39 | 12°58 | 20°55 | 23°48 | 21° 5 | 23°19 | 24°11 | 18°37 | 27°53 | 8° 3 | 9°22 | 12°15 | 19°43 | S 3 |
| M 4 | 1 11 31 | 16° 3'19 | 10♎39 | 14°38 | 22° 9 | 24° 4 | 21°18 | 23°14 | 24°10 | 18°38 | 27°55 | 7°53 | 9°19 | 12°21 | 19°40 | M 4 |
| T 5 | 1 15 28 | 17° 3'13 | 22°46 | 16°18 | 23°24 | 24°18 | 21°31 | 23° 9 | 24° 9 | 18°39 | 27°57 | 7°44 | 9°16 | 12°28 | 19°37 | T 5 |
| W 6 | 1 19 25 | 18° 3'10 | 5♏ 0 | 17°58 | 24°38 | 24°32 | 21°45 | 23° 5 | 24° 8 | 18°41 | 28° 0 | 7°37 | 9°13 | 12°35 | 19°35 | W 6 |
| T 7 | 1 23 21 | 19° 3'08 | 17°23 | 19°37 | 25°53 | 24°46 | 21°58 | 23° 0 | 24° 7 | 18°42 | 28° 2 | 7°33 | 9° 9 | 12°42 | 19°32 | T 7 |
| F 8 | 1 27 18 | 20° 3'09 | 29°55 | 21°16 | 27° 7 | 24°58 | 22°11 | 22°55 | 24° 6 | 18°43 | 28° 5 | 7°30 | 9° 6 | 12°48 | 19°29 | F 8 |
| S 9 | 1 31 14 | 21° 3'11 | 12♐40 | 22°54 | 28°22 | 25°10 | 22°24 | 22°50 | 24° 5 | 18°45 | 28° 7 | 7°D30 | 9° 3 | 12°55 | 19°26 | S 9 |
| S 10 | 1 35 11 | 22° 3'15 | 25°38 | 24°31 | 29°37 | 25°22 | 22°37 | 22°45 | 24° 4 | 18°46 | 28° 9 | 7°31 | 9° 0 | 13° 2 | 19°23 | S 10 |
| M11 | 1 39 7 | 23° 3'20 | 8♑53 | 26° 8 | 0♎51 | 25°33 | 22°50 | 22°40 | 24° 3 | 18°48 | 28°12 | 7°33 | 8°57 | 13° 8 | 19°20 | M11 |
| T 12 | 1 43 4 | 24° 3'27 | 22°27 | 27°45 | 2° 6 | 25°43 | 23° 4 | 22°36 | 24° 2 | 18°49 | 28°14 | 7°R33 | 8°53 | 13°15 | 19°18 | T 12 |
| W13 | 1 47 0 | 25° 3'36 | 6♒21 | 29°21 | 3°21 | 25°52 | 23°17 | 22°31 | 24° 1 | 18°51 | 28°17 | 7°33 | 8°50 | 13°22 | 19°15 | W13 |
| T 14 | 1 50 57 | 26° 3'46 | 20°36 | 0♏56 | 4°36 | 26° 1 | 23°30 | 22°26 | 24° 0 | 18°52 | 28°19 | 7°30 | 8°47 | 13°29 | 19°12 | T 14 |
| F 15 | 1 54 54 | 27° 3'58 | 5♓10 | 2°31 | 5°51 | 26° 9 | 23°43 | 22°21 | 24° 0 | 18°54 | 28°22 | 7°26 | 8°44 | 13°35 | 19° 9 | F 15 |
| S 16 | 1 58 50 | 28° 4'11 | 19°58 | 4° 6 | 7° 6 | 26°16 | 23°56 | 22°16 | 23°59 | 18°55 | 28°24 | 7°21 | 8°41 | 13°42 | 19° 6 | S 16 |
| S 17 | 2 2 47 | 29° 4'26 | 4♈53 | 5°41 | 8°21 | 26°22 | 24° 9 | 22°11 | 23°58 | 18°57 | 28°27 | 7°15 | 8°38 | 13°49 | 19° 3 | S 17 |
| M18 | 2 6 43 | 0♏ 4'43 | 19°48 | 7°15 | 9°35 | 26°28 | 24°23 | 22° 7 | 23°58 | 18°59 | 28°29 | 7° 9 | 8°34 | 13°56 | 19° 1 | M18 |
| T 19 | 2 10 40 | 1° 5'01 | 4♉33 | 8°48 | 10°50 | 26°33 | 24°36 | 22° 2 | 23°57 | 19° 0 | 28°31 | 7° 5 | 8°31 | 14° 2 | 18°58 | T 19 |
| W20 | 2 14 36 | 2° 5'21 | 19° 0 | 10°22 | 12° 5 | 26°37 | 24°49 | 21°57 | 23°57 | 19° 2 | 28°34 | 7° 2 | 8°28 | 14° 9 | 18°55 | W20 |
| T 21 | 2 18 33 | 3° 5'43 | 3♊ 5 | 11°55 | 13°20 | 26°41 | 25° 2 | 21°52 | 23°56 | 19° 4 | 28°36 | 7°D 0 | 8°25 | 14°16 | 18°52 | T 21 |
| F 22 | 2 22 29 | 4° 6'07 | 16°44 | 13°27 | 14°36 | 26°43 | 25°15 | 21°48 | 23°56 | 19° 5 | 28°39 | 7° 1 | 8°22 | 14°22 | 18°50 | F 22 |
| S 23 | 2 26 26 | 5° 6'33 | 29°57 | 14°59 | 15°51 | 26°45 | 25°28 | 21°43 | 23°56 | 19° 7 | 28°41 | 7° 2 | 8°19 | 14°29 | 18°47 | S 23 |
| S 24 | 2 30 23 | 6° 7'00 | 12♋46 | 16°32 | 17° 6 | 26°46 | 25°41 | 21°38 | 23°55 | 19° 9 | 28°44 | 7° 4 | 8°15 | 14°36 | 18°44 | S 24 |
| M25 | 2 34 19 | 7° 7'30 | 25°14 | 18° 3 | 18°21 | 26°R46 | 25°54 | 21°34 | 23°55 | 19°11 | 28°46 | 7° 5 | 8°12 | 14°43 | 18°42 | M25 |
| T 26 | 2 38 16 | 8° 8'01 | 7♌26 | 19°35 | 19°36 | 26°46 | 26° 7 | 21°29 | 23°55 | 19°12 | 28°48 | 7°R 6 | 8° 9 | 14°49 | 18°39 | T 26 |
| W27 | 2 42 12 | 9° 8'35 | 19°27 | 21° 6 | 20°51 | 26°44 | 26°20 | 21°25 | 23°55 | 19°14 | 28°51 | 7° 5 | 8° 6 | 14°56 | 18°36 | W27 |
| T 28 | 2 46 9 | 10° 9'10 | 1♍21 | 22°37 | 22° 6 | 26°42 | 26°34 | 21°20 | 23°55 | 19°16 | 28°53 | 7° 3 | 8° 3 | 15° 3 | 18°34 | T 28 |
| F 29 | 2 50 5 | 11° 9'46 | 13°12 | 24° 7 | 23°22 | 26°38 | 26°47 | 21°16 | 23°D55 | 19°18 | 28°56 | 7° 0 | 7°59 | 15° 9 | 18°31 | F 29 |
| S 30 | 2 54 2 | 12°10'25 | 25° 6 | 25°38 | 24°37 | 26°34 | 26°59 | 21°11 | 23°55 | 19°20 | 28°58 | 6°56 | 7°56 | 15°16 | 18°29 | S 30 |
| S 31 | 2 57 58 | 13♏11'05 | 7♎ 4 | 27♏ 8 | 25♎52 | 26♊29 | 27♎12 | 21♈ 7 | 23♒55 | 19♐22 | 29♎ 0 | 6♊52 | 7♊53 | 15♍23 | 18♈26 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 5s11 | 14n29 | 5n 4 | 2s43 | 1n12 | 5n58 | 1n29 | 23n34 | 0n10 | 7s 7 | 1n 4 | 6n34 | 2s48 | 14s15 | 0s47 | 21s53 | 1n12 | 3n48 | 15n34 | 21n50 | 22n 0 | 11n50 | 9n17 | 1n37 |
| S 2 | 5 34 | 9 53 | 5 1 | 3 29 | 1 6 | 5 29 | 1 30 | 23 37 | 0 12 | 7 12 | 1 4 | 6 32 | 2 48 | 14 15 | 0 47 | 21 53 | 1 12 | 3 47 | 15 34 | 21 48 | 21 59 | 11 47 | 9 16 | 1 37 |
| S 3 | 5 58 | 4 54 | 4 46 | 4 14 | 1 0 | 5 1 | 1 31 | 23 40 | 0 14 | 7 17 | 1 4 | 6 30 | 2 48 | 14 16 | 0 47 | 21 54 | 1 12 | 3 46 | 15 33 | 21 46 | 21 59 | 11 45 | 9 14 | 1 37 |
| M 4 | 6 21 | 0s18 | 4 17 | 4 59 | 0 54 | 4 32 | 1 31 | 23 42 | 0 16 | 7 22 | 1 4 | 6 28 | 2 48 | 14 16 | 0 47 | 21 54 | 1 11 | 3 45 | 15 33 | 21 45 | 21 58 | 11 42 | 9 13 | 1 36 |
| T 5 | 6 44 | 5 33 | 3 37 | 5 43 | 0 47 | 4 3 | 1 32 | 23 45 | 0 18 | 7 27 | 1 4 | 6 27 | 2 48 | 14 17 | 0 47 | 21 54 | 1 11 | 3 44 | 15 33 | 21 43 | 21 58 | 11 39 | 9 12 | 1 36 |
| W 6 | 7 7 | 10 39 | 2 46 | 6 27 | 0 41 | 3 33 | 1 33 | 23 48 | 0 20 | 7 32 | 1 4 | 6 25 | 2 48 | 14 17 | 0 46 | 21 54 | 1 11 | 3 43 | 15 33 | 21 42 | 21 57 | 11 37 | 9 11 | 1 36 |
| T 7 | 7 30 | 15 25 | 1 46 | 7 11 | 0 35 | 3 4 | 1 33 | 23 50 | 0 23 | 7 37 | 1 4 | 6 23 | 2 48 | 14 17 | 0 46 | 21 54 | 1 11 | 3 42 | 15 33 | 21 41 | 21 57 | 11 34 | 9 10 | 1 36 |
| F 8 | 7 53 | 19 35 | 0 41 | 7 54 | 0 28 | 2 35 | 1 34 | 23 53 | 0 25 | 7 42 | 1 4 | 6 21 | 2 48 | 14 18 | 0 46 | 21 54 | 1 11 | 3 41 | 15 33 | 21 41 | 21 56 | 11 31 | 9 9 | 1 36 |
| S 9 | 8 16 | 22 54 | 0s28 | 8 37 | 0 21 | 2 5 | 1 34 | 23 56 | 0 27 | 7 47 | 1 4 | 6 19 | 2 48 | 14 18 | 0 46 | 21 54 | 1 11 | 3 40 | 15 33 | 21 41 | 21 56 | 11 29 | 9 8 | 1 36 |
| S 10 | 8 38 | 25 6 | 1 36 | 9 19 | 0 15 | 1 36 | 1 34 | 23 58 | 0 29 | 7 52 | 1 4 | 6 18 | 2 48 | 14 18 | 0 46 | 21 55 | 1 11 | 3 39 | 15 32 | 21 41 | 21 55 | 11 26 | 9 6 | 1 36 |
| M11 | 9 1 | 25 57 | 2 41 | 10 1 | 0 8 | 1 6 | 1 34 | 24 1 | 0 31 | 7 57 | 1 4 | 6 16 | 2 48 | 14 18 | 0 46 | 21 55 | 1 11 | 3 39 | 15 32 | 21 41 | 21 55 | 11 23 | 9 5 | 1 36 |
| T 12 | 9 23 | 25 17 | 3 39 | 10 42 | 0 2 | 0 36 | 1 34 | 24 4 | 0 34 | 8 2 | 1 4 | 6 14 | 2 48 | 14 19 | 0 46 | 21 55 | 1 11 | 3 38 | 15 32 | 21 41 | 21 54 | 11 21 | 9 4 | 1 36 |
| W13 | 9 45 | 23 4 | 4 25 | 11 23 | 0s 5 | 0 6 | 1 34 | 24 6 | 0 36 | 8 7 | 1 4 | 6 12 | 2 48 | 14 19 | 0 46 | 21 55 | 1 11 | 3 37 | 15 32 | 21 41 | 21 54 | 11 18 | 9 3 | 1 36 |
| T 14 | 10 7 | 19 23 | 4 56 | 12 3 | 0 12 | 0s24 | 1 34 | 24 9 | 0 38 | 8 11 | 1 4 | 6 11 | 2 48 | 14 19 | 0 46 | 21 55 | 1 11 | 3 36 | 15 32 | 21 41 | 21 53 | 11 15 | 9 2 | 1 36 |
| F 15 | 10 29 | 14 27 | 5 9 | 12 42 | 0 18 | 0 53 | 1 34 | 24 11 | 0 41 | 8 16 | 1 4 | 6 9 | 2 48 | 14 19 | 0 46 | 21 55 | 1 11 | 3 35 | 15 32 | 21 40 | 21 53 | 11 13 | 9 1 | 1 36 |
| S 16 | 10 51 | 8 37 | 5 2 | 13 21 | 0 25 | 1 23 | 1 34 | 24 14 | 0 43 | 8 21 | 1 4 | 6 7 | 2 48 | 14 19 | 0 46 | 21 56 | 1 11 | 3 34 | 15 32 | 21 39 | 21 52 | 11 10 | 9 0 | 1 36 |
| S 17 | 11 12 | 2 15 | 4 35 | 13 59 | 0 32 | 1 53 | 1 34 | 24 17 | 0 45 | 8 26 | 1 4 | 6 5 | 2 48 | 14 20 | 0 46 | 21 56 | 1 11 | 3 33 | 15 32 | 21 38 | 21 52 | 11 7 | 8 58 | 1 35 |
| M18 | 11 34 | 4n15 | 3 49 | 14 36 | 0 38 | 2 23 | 1 34 | 24 19 | 0 48 | 8 31 | 1 3 | 6 4 | 2 48 | 14 20 | 0 46 | 21 56 | 1 11 | 3 32 | 15 32 | 21 37 | 21 51 | 11 5 | 8 57 | 1 35 |
| T 19 | 11 55 | 10 29 | 2 47 | 15 13 | 0 45 | 2 53 | 1 33 | 24 22 | 0 50 | 8 36 | 1 3 | 6 2 | 2 48 | 14 20 | 0 46 | 21 56 | 1 11 | 3 32 | 15 32 | 21 37 | 21 51 | 11 2 | 8 56 | 1 35 |
| W20 | 12 16 | 16 1 | 1 37 | 15 49 | 0 51 | 3 23 | 1 33 | 24 24 | 0 53 | 8 41 | 1 3 | 6 0 | 2 48 | 14 20 | 0 46 | 21 56 | 1 11 | 3 31 | 15 32 | 21 36 | 21 50 | 10 59 | 8 55 | 1 35 |
| T 21 | 12 37 | 20 32 | 0 21 | 16 24 | 0 57 | 3 53 | 1 32 | 24 27 | 0 55 | 8 45 | 1 3 | 5 58 | 2 48 | 14 20 | 0 46 | 21 56 | 1 11 | 3 30 | 15 32 | 21 36 | 21 50 | 10 56 | 8 54 | 1 35 |
| F 22 | 12 57 | 23 47 | 0n53 | 16 58 | 1 3 | 4 22 | 1 32 | 24 30 | 0 58 | 8 50 | 1 3 | 5 57 | 2 48 | 14 20 | 0 46 | 21 57 | 1 11 | 3 29 | 15 32 | 21 36 | 21 49 | 10 54 | 8 53 | 1 35 |
| S 23 | 13 18 | 25 36 | 2 2 | 17 32 | 1 9 | 4 52 | 1 31 | 24 32 | 1 1 | 8 55 | 1 3 | 5 55 | 2 48 | 14 20 | 0 46 | 21 57 | 1 11 | 3 28 | 15 32 | 21 36 | 21 49 | 10 51 | 8 52 | 1 35 |
| S 24 | 13 38 | 25 59 | 3 3 | 18 4 | 1 15 | 5 22 | 1 30 | 24 35 | 1 3 | 9 0 | 1 3 | 5 53 | 2 47 | 14 20 | 0 46 | 21 57 | 1 11 | 3 27 | 15 32 | 21 36 | 21 48 | 10 48 | 8 50 | 1 35 |
| M25 | 13 58 | 25 2 | 3 54 | 18 36 | 1 21 | 5 51 | 1 30 | 24 38 | 1 6 | 9 5 | 1 3 | 5 52 | 2 47 | 14 20 | 0 46 | 21 57 | 1 11 | 3 27 | 15 32 | 21 37 | 21 48 | 10 46 | 8 49 | 1 35 |
| T 26 | 14 18 | 22 54 | 4 33 | 19 7 | 1 27 | 6 20 | 1 29 | 24 40 | 1 9 | 9 9 | 1 3 | 5 50 | 2 47 | 14 20 | 0 46 | 21 57 | 1 11 | 3 26 | 15 32 | 21 37 | 21 47 | 10 43 | 8 48 | 1 35 |
| W27 | 14 37 | 19 47 | 4 59 | 19 37 | 1 32 | 6 50 | 1 28 | 24 43 | 1 11 | 9 14 | 1 3 | 5 49 | 2 47 | 14 20 | 0 46 | 21 58 | 1 11 | 3 25 | 15 32 | 21 37 | 21 47 | 10 40 | 8 47 | 1 34 |
| T 28 | 14 57 | 15 54 | 5 12 | 20 6 | 1 38 | 7 19 | 1 27 | 24 46 | 1 14 | 9 19 | 1 3 | 5 47 | 2 47 | 14 20 | 0 46 | 21 58 | 1 11 | 3 24 | 15 32 | 21 36 | 21 46 | 10 37 | 8 46 | 1 34 |
| F 29 | 15 16 | 11 25 | 5 11 | 20 34 | 1 43 | 7 48 | 1 26 | 24 48 | 1 17 | 9 24 | 1 3 | 5 46 | 2 47 | 14 20 | 0 46 | 21 58 | 1 10 | 3 24 | 15 32 | 21 36 | 21 46 | 10 35 | 8 45 | 1 34 |
| S 30 | 15 34 | 6 31 | 4 58 | 21 1 | 1 48 | 8 17 | 1 25 | 24 51 | 1 20 | 9 28 | 1 3 | 5 44 | 2 47 | 14 20 | 0 46 | 21 58 | 1 10 | 3 23 | 15 32 | 21 35 | 21 45 | 10 32 | 8 44 | 1 34 |
| S 31 | 15s53 | 1n20 | 4n31 | 21s27 | 1s52 | 8s45 | 1n24 | 24n54 | 1n22 | 9s33 | 1n 3 | 5n43 | 2s47 | 14s20 | 0s46 | 21s58 | 1n10 | 3n22 | 15n32 | 21n35 | 21n45 | 10n29 | 8n43 | 1n34 |

Julian Day Number = 2085485.5, Delta T = 24m34s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'16, Lahiri = 9°53'17 Julian Calendar 1 Oct. 997 == Greg. Calendar 6 Oct. 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## NOVEMBER 997 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 3 1 55 | 14♏11'47 | 19♎11 | 28♏37 | 27♎ 7 | 26°R23 | 27♎25 | 21°R 3 | 23♒55 | 19♐24 | 29♎ 3 | 6°R48 | 7♊50 | 15♍30 | 18°R24 | M 1 |
| T 2 | 3 5 52 | 15°12'30 | 1♏28 | 0♐ 7 | 28°23 | 26♊17 | 27°38 | 20♈58 | 23°55 | 19°26 | 29° 5 | 6♊45 | 7°47 | 15°36 | 18♈21 | T 2 |
| W 3 | 3 9 48 | 16°13'15 | 13°56 | 1°35 | 29°38 | 26° 9 | 27°51 | 20°54 | 23°56 | 19°28 | 29° 7 | 6°42 | 7°44 | 15°43 | 18°19 | W 3 |
| T 4 | 3 13 45 | 17°14'02 | 26°36 | 3° 4 | 0♏53 | 26° 0 | 28° 4 | 20°50 | 23°56 | 19°30 | 29°10 | 6°41 | 7°40 | 15°50 | 18°16 | T 4 |
| F 5 | 3 17 41 | 18°14'49 | 9♐29 | 4°32 | 2° 9 | 25°51 | 28°17 | 20°46 | 23°56 | 19°32 | 29°12 | 6°D40 | 7°37 | 15°57 | 18°14 | F 5 |
| S 6 | 3 21 38 | 19°15'38 | 22°34 | 5°59 | 3°24 | 25°41 | 28°30 | 20°42 | 23°57 | 19°34 | 29°14 | 6°41 | 7°34 | 16° 3 | 18°12 | S 6 |
| S 7 | 3 25 34 | 20°16'29 | 5♑52 | 7°26 | 4°40 | 25°30 | 28°42 | 20°38 | 23°57 | 19°36 | 29°17 | 6°42 | 7°31 | 16°10 | 18° 9 | S 7 |
| M 8 | 3 29 31 | 21°17'20 | 19°23 | 8°52 | 5°55 | 25°18 | 28°55 | 20°34 | 23°58 | 19°38 | 29°19 | 6°44 | 7°28 | 16°17 | 18° 7 | M 8 |
| T 9 | 3 33 27 | 22°18'12 | 3♒ 6 | 10°18 | 7°10 | 25° 5 | 29° 8 | 20°31 | 23°58 | 19°40 | 29°21 | 6°45 | 7°25 | 16°23 | 18° 5 | T 9 |
| W10 | 3 37 24 | 23°19'05 | 17° 1 | 11°42 | 8°26 | 24°51 | 29°20 | 20°27 | 23°59 | 19°42 | 29°24 | 6°R45 | 7°21 | 16°30 | 18° 2 | W10 |
| T 11 | 3 41 21 | 24°19'59 | 1♓ 8 | 13° 5 | 9°41 | 24°37 | 29°33 | 20°23 | 23°59 | 19°44 | 29°26 | 6°45 | 7°18 | 16°37 | 18° 0 | T 11 |
| F 12 | 3 45 17 | 25°20'53 | 15°24 | 14°28 | 10°57 | 24°22 | 29°46 | 20°20 | 24° 0 | 19°46 | 29°28 | 6°45 | 7°15 | 16°44 | 17°58 | F 12 |
| S 13 | 3 49 14 | 26°21'48 | 29°48 | 15°48 | 12°12 | 24° 6 | 29°58 | 20°16 | 24° 1 | 19°48 | 29°30 | 6°44 | 7°12 | 16°50 | 17°56 | S 13 |
| S 14 | 3 53 10 | 27°22'44 | 14♈14 | 17° 8 | 13°27 | 23°50 | 0♏10 | 20°13 | 24° 2 | 19°50 | 29°33 | 6°42 | 7° 9 | 16°57 | 17°54 | S 14 |
| M15 | 3 57 7 | 28°23'41 | 28°40 | 18°25 | 14°43 | 23°32 | 0°23 | 20°10 | 24° 3 | 19°52 | 29°35 | 6°41 | 7° 5 | 17° 4 | 17°52 | M15 |
| T 16 | 4 1 3 | 29°24'39 | 12♉59 | 19°40 | 15°58 | 23°14 | 0°35 | 20° 7 | 24° 4 | 19°55 | 29°37 | 6°41 | 7° 2 | 17°10 | 17°50 | T 16 |
| W17 | 4 5 0 | 0♐25'38 | 27° 6 | 20°53 | 17°14 | 22°56 | 0°48 | 20° 3 | 24° 4 | 19°57 | 29°39 | 6°40 | 6°59 | 17°17 | 17°48 | W17 |
| T 18 | 4 8 56 | 1°26'38 | 10♊57 | 22° 3 | 18°29 | 22°36 | 1° 0 | 20° 0 | 24° 5 | 19°59 | 29°41 | 6°D40 | 6°56 | 17°24 | 17°46 | T 18 |
| F 19 | 4 12 53 | 2°27'38 | 24°29 | 23° 9 | 19°45 | 22°16 | 1°12 | 19°58 | 24° 7 | 20° 1 | 29°44 | 6°40 | 6°53 | 17°31 | 17°44 | F 19 |
| S 20 | 4 16 50 | 3°28'40 | 7♋40 | 24°12 | 21° 0 | 21°56 | 1°24 | 19°55 | 24° 8 | 20° 3 | 29°46 | 6°41 | 6°50 | 17°37 | 17°43 | S 20 |
| S 21 | 4 20 46 | 4°29'43 | 20°30 | 25°10 | 22°16 | 21°35 | 1°36 | 19°52 | 24° 9 | 20° 5 | 29°48 | 6°41 | 6°46 | 17°44 | 17°41 | S 21 |
| M22 | 4 24 43 | 5°30'46 | 3♌ 2 | 26° 3 | 23°31 | 21°14 | 1°48 | 19°49 | 24°10 | 20° 8 | 29°50 | 6°41 | 6°43 | 17°51 | 17°39 | M22 |
| T 23 | 4 28 39 | 6°31'51 | 15°17 | 26°50 | 24°47 | 20°52 | 2° 0 | 19°47 | 24°11 | 20°10 | 29°52 | 6°R41 | 6°40 | 17°58 | 17°38 | T 23 |
| W24 | 4 32 36 | 7°32'56 | 27°20 | 27°31 | 26° 2 | 20°29 | 2°12 | 19°44 | 24°13 | 20°12 | 29°54 | 6°41 | 6°37 | 18° 4 | 17°36 | W24 |
| T 25 | 4 36 32 | 8°34'03 | 9♍16 | 28° 4 | 27°18 | 20° 7 | 2°24 | 19°42 | 24°14 | 20°14 | 29°56 | 6°D41 | 6°34 | 18°11 | 17°34 | T 25 |
| F 26 | 4 40 29 | 9°35'10 | 21° 8 | 28°29 | 28°33 | 19°44 | 2°36 | 19°40 | 24°15 | 20°17 | 29°58 | 6°41 | 6°31 | 18°18 | 17°33 | F 26 |
| S 27 | 4 44 25 | 10°36'18 | 3♎ 2 | 28°45 | 29°49 | 19°21 | 2°48 | 19°37 | 24°17 | 20°19 | 29°59 | 6°41 | 6°27 | 18°24 | 17°31 | S 27 |
| S 28 | 4 48 22 | 11°37'27 | 15° 1 | 28°R51 | 1♐ 4 | 18°57 | 3° 0 | 19°35 | 24°18 | 20°21 | 0♏ 2 | 6°42 | 6°24 | 18°31 | 17°30 | S 28 |
| M29 | 4 52 19 | 12°38'37 | 27°11 | 28°46 | 2°20 | 18°33 | 3°11 | 19°33 | 24°20 | 20°23 | 0° 4 | 6°43 | 6°21 | 18°38 | 17°29 | M29 |
| T 30 | 4 56 15 | 13♐39'47 | 9♏35 | 28♐29 | 3♐35 | 18♊10 | 3♏23 | 19♈32 | 24♒21 | 20♐26 | 0♏ 6 | 6♊43 | 6♊18 | 18♍45 | 17♈27 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16s11 | 3s58 | 3n52 | 21s52 | 1s57 | 9s14 | 1n22 | 24n56 | 1n25 | 9s38 | 1n 3 | 5n41 | 2s46 | 14s20 | 0s46 | 21s58 | 1n10 | 3n21 | 15n33 | 21n34 | 21n44 | 10n27 | 8n42 | 1n34 |
| T 2 | 16 29 | 9 12 | 3 2 | 22 15 | 2 1 | 9 42 | 1 21 | 24 59 | 1 28 | 9 42 | 1 3 | 5 40 | 2 46 | 14 20 | 0 46 | 21 59 | 1 10 | 3 21 | 15 33 | 21 33 | 21 44 | 10 24 | 8 41 | 1 34 |
| W 3 | 16 47 | 14 10 | 2 2 | 22 38 | 2 5 | 10 10 | 1 20 | 25 2 | 1 31 | 9 47 | 1 3 | 5 38 | 2 46 | 14 20 | 0 45 | 21 59 | 1 10 | 3 20 | 15 33 | 21 33 | 21 43 | 10 21 | 8 40 | 1 34 |
| T 4 | 17 4 | 18 36 | 0 55 | 22 59 | 2 9 | 10 37 | 1 18 | 25 4 | 1 34 | 9 51 | 1 3 | 5 37 | 2 46 | 14 20 | 0 45 | 21 59 | 1 10 | 3 19 | 15 33 | 21 33 | 21 43 | 10 18 | 8 39 | 1 34 |
| F 5 | 17 21 | 22 15 | 0s16 | 23 19 | 2 12 | 11 5 | 1 17 | 25 7 | 1 37 | 9 56 | 1 3 | 5 36 | 2 46 | 14 20 | 0 45 | 21 59 | 1 10 | 3 19 | 15 33 | 21 33 | 21 42 | 10 16 | 8 38 | 1 33 |
| S 6 | 17 38 | 24 48 | 1 27 | 23 38 | 2 15 | 11 32 | 1 15 | 25 9 | 1 39 | 10 1 | 1 4 | 5 34 | 2 46 | 14 20 | 0 45 | 21 59 | 1 10 | 3 18 | 15 33 | 21 33 | 21 42 | 10 13 | 8 37 | 1 33 |
| S 7 | 17 55 | 26 1 | 2 34 | 23 56 | 2 18 | 11 59 | 1 14 | 25 12 | 1 42 | 10 5 | 1 4 | 5 33 | 2 45 | 14 19 | 0 45 | 22 0 | 1 10 | 3 17 | 15 33 | 21 33 | 21 41 | 10 10 | 8 36 | 1 33 |
| M 8 | 18 11 | 25 42 | 3 35 | 24 12 | 2 20 | 12 26 | 1 12 | 25 14 | 1 45 | 10 10 | 1 4 | 5 32 | 2 45 | 14 19 | 0 45 | 22 0 | 1 10 | 3 17 | 15 33 | 21 33 | 21 40 | 10 7 | 8 35 | 1 33 |
| T 9 | 18 27 | 23 50 | 4 24 | 24 27 | 2 22 | 12 52 | 1 11 | 25 17 | 1 48 | 10 14 | 1 4 | 5 30 | 2 45 | 14 19 | 0 45 | 22 0 | 1 10 | 3 16 | 15 34 | 21 33 | 21 40 | 10 4 | 8 34 | 1 33 |
| W10 | 18 42 | 20 33 | 4 58 | 24 40 | 2 23 | 13 18 | 1 9 | 25 19 | 1 51 | 10 18 | 1 4 | 5 29 | 2 45 | 14 19 | 0 45 | 22 0 | 1 10 | 3 16 | 15 34 | 21 33 | 21 39 | 10 2 | 8 33 | 1 33 |
| T 11 | 18 57 | 16 2 | 5 15 | 24 52 | 2 24 | 13 44 | 1 7 | 25 21 | 1 54 | 10 23 | 1 4 | 5 28 | 2 45 | 14 18 | 0 45 | 22 0 | 1 10 | 3 15 | 15 34 | 21 33 | 21 39 | 9 59 | 8 32 | 1 33 |
| F 12 | 19 12 | 10 35 | 5 13 | 25 3 | 2 24 | 14 9 | 1 5 | 25 24 | 1 57 | 10 27 | 1 4 | 5 27 | 2 44 | 14 18 | 0 45 | 22 0 | 1 10 | 3 14 | 15 34 | 21 33 | 21 38 | 9 56 | 8 31 | 1 33 |
| S 13 | 19 27 | 4 32 | 4 51 | 25 12 | 2 24 | 14 34 | 1 3 | 25 26 | 2 0 | 10 32 | 1 4 | 5 26 | 2 44 | 14 18 | 0 45 | 22 1 | 1 10 | 3 14 | 15 34 | 21 33 | 21 38 | 9 53 | 8 30 | 1 32 |
| S 14 | 19 41 | 1n47 | 4 11 | 25 19 | 2 24 | 14 59 | 1 2 | 25 28 | 2 2 | 10 36 | 1 4 | 5 25 | 2 44 | 14 18 | 0 45 | 22 1 | 1 10 | 3 13 | 15 35 | 21 33 | 21 37 | 9 51 | 8 29 | 1 32 |
| M15 | 19 55 | 8 1 | 3 15 | 25 25 | 2 22 | 15 23 | 1 0 | 25 30 | 2 5 | 10 40 | 1 4 | 5 24 | 2 44 | 14 17 | 0 45 | 22 1 | 1 10 | 3 13 | 15 35 | 21 33 | 21 37 | 9 48 | 8 28 | 1 32 |
| T 16 | 20 8 | 13 48 | 2 8 | 25 30 | 2 20 | 15 47 | 0 58 | 25 32 | 2 8 | 10 45 | 1 4 | 5 23 | 2 44 | 14 17 | 0 45 | 22 1 | 1 10 | 3 12 | 15 35 | 21 33 | 21 36 | 9 45 | 8 27 | 1 32 |
| W17 | 20 21 | 18 46 | 0 53 | 25 32 | 2 17 | 16 11 | 0 56 | 25 34 | 2 11 | 10 49 | 1 4 | 5 22 | 2 43 | 14 17 | 0 45 | 22 1 | 1 10 | 3 12 | 15 35 | 21 32 | 21 36 | 9 42 | 8 26 | 1 32 |
| T 18 | 20 34 | 22 36 | 0n24 | 25 33 | 2 14 | 16 34 | 0 54 | 25 35 | 2 14 | 10 53 | 1 4 | 5 21 | 2 43 | 14 16 | 0 45 | 22 2 | 1 10 | 3 11 | 15 35 | 21 32 | 21 35 | 9 39 | 8 25 | 1 32 |
| F 19 | 20 46 | 25 4 | 1 37 | 25 32 | 2 9 | 16 56 | 0 52 | 25 37 | 2 16 | 10 57 | 1 4 | 5 20 | 2 43 | 14 16 | 0 45 | 22 2 | 1 10 | 3 11 | 15 36 | 21 32 | 21 35 | 9 37 | 8 25 | 1 32 |
| S 20 | 20 58 | 26 4 | 2 44 | 25 30 | 2 4 | 17 19 | 0 49 | 25 38 | 2 19 | 11 2 | 1 4 | 5 19 | 2 43 | 14 15 | 0 45 | 22 2 | 1 10 | 3 10 | 15 36 | 21 33 | 21 34 | 9 34 | 8 24 | 1 32 |
| S 21 | 21 9 | 25 37 | 3 40 | 25 26 | 1 57 | 17 40 | 0 47 | 25 39 | 2 22 | 11 6 | 1 4 | 5 18 | 2 42 | 14 15 | 0 45 | 22 2 | 1 10 | 3 10 | 15 36 | 21 33 | 21 34 | 9 31 | 8 23 | 1 31 |
| M22 | 21 20 | 23 52 | 4 24 | 25 20 | 1 50 | 18 2 | 0 45 | 25 41 | 2 24 | 11 10 | 1 4 | 5 18 | 2 42 | 14 14 | 0 45 | 22 2 | 1 10 | 3 9 | 15 36 | 21 33 | 21 33 | 9 28 | 8 22 | 1 31 |
| T 23 | 21 31 | 21 2 | 4 55 | 25 13 | 1 41 | 18 22 | 0 43 | 25 42 | 2 27 | 11 14 | 1 4 | 5 17 | 2 42 | 14 14 | 0 45 | 22 3 | 1 10 | 3 9 | 15 37 | 21 33 | 21 32 | 9 25 | 8 21 | 1 31 |
| W24 | 21 41 | 17 21 | 5 13 | 25 4 | 1 31 | 18 42 | 0 41 | 25 43 | 2 29 | 11 18 | 1 4 | 5 16 | 2 42 | 14 14 | 0 45 | 22 3 | 1 10 | 3 8 | 15 37 | 21 33 | 21 32 | 9 23 | 8 21 | 1 31 |
| T 25 | 21 51 | 13 1 | 5 17 | 24 53 | 1 20 | 19 2 | 0 39 | 25 43 | 2 32 | 11 22 | 1 4 | 5 15 | 2 41 | 14 13 | 0 45 | 22 3 | 1 10 | 3 8 | 15 37 | 21 33 | 21 31 | 9 20 | 8 20 | 1 31 |
| F 26 | 22 1 | 8 14 | 5 7 | 24 41 | 1 7 | 19 21 | 0 36 | 25 44 | 2 34 | 11 26 | 1 4 | 5 15 | 2 41 | 14 13 | 0 45 | 22 3 | 1 10 | 3 8 | 15 38 | 21 33 | 21 31 | 9 17 | 8 19 | 1 31 |
| S 27 | 22 10 | 3 8 | 4 44 | 24 27 | 0 53 | 19 40 | 0 34 | 25 44 | 2 36 | 11 30 | 1 4 | 5 14 | 2 41 | 14 12 | 0 45 | 22 3 | 1 10 | 3 7 | 15 38 | 21 33 | 21 30 | 9 14 | 8 19 | 1 31 |
| S 28 | 22 18 | 2s 7 | 4 9 | 24 12 | 0 38 | 19 58 | 0 32 | 25 45 | 2 39 | 11 34 | 1 4 | 5 14 | 2 41 | 14 12 | 0 45 | 22 3 | 1 10 | 3 7 | 15 38 | 21 33 | 21 30 | 9 11 | 8 18 | 1 30 |
| M29 | 22 26 | 7 23 | 3 22 | 23 56 | 0 22 | 20 16 | 0 29 | 25 45 | 2 41 | 11 38 | 1 4 | 5 13 | 2 40 | 14 11 | 0 45 | 22 4 | 1 10 | 3 6 | 15 38 | 21 33 | 21 29 | 9 8 | 8 17 | 1 30 |
| T 30 | 22s34 | 12s28 | 2n25 | 23s38 | 0s 4 | 20s33 | 0n27 | 25n45 | 2n43 | 11s42 | 1n 5 | 5n13 | 2s40 | 14s10 | 0s45 | 22s 4 | 1n10 | 3n 6 | 15n39 | 21n33 | 21n29 | 9n 6 | 8n17 | 1n30 |

Julian Day Number = 2085516.5, Delta T = 24m34s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'21, Lahiri = 9°53'21 Julian Calendar 1 Nov. 997 == Greg. Calendar 6 Nov. 997


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# ASTRODIENST EPHEMERIS for the year 997
# geocentric

## DECEMBER 997 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 5 0 12 | 14♐40'58 | 22♏15 | 28°R 1 | 4♐51 | 17°R46 | 3♏34 | 19°R30 | 24♒23 | 20♐28 | 0♏ 8 | 6♊44 | 6♊15 | 18♍51 | 17°R26 | W 1 |
| T 2 | 5 4 8 | 15°42'10 | 5♐12 | 27♐21 | 6° 6 | 17♊22 | 3°46 | 19♈28 | 24°25 | 20°30 | 0°10 | 6°R44 | 6°11 | 18°58 | 17♈25 | T 2 |
| F 3 | 5 8 5 | 16°43'22 | 18°27 | 26°30 | 7°22 | 16°58 | 3°57 | 19°27 | 24°27 | 20°32 | 0°11 | 6°44 | 6° 8 | 19° 5 | 17°24 | F 3 |
| S 4 | 5 12 1 | 17°44'35 | 1♑58 | 25°29 | 8°37 | 16°34 | 4° 8 | 19°25 | 24°28 | 20°35 | 0°13 | 6°43 | 6° 5 | 19°11 | 17°23 | S 4 |
| S 5 | 5 15 58 | 18°45'48 | 15°44 | 24°19 | 9°53 | 16°11 | 4°19 | 19°24 | 24°30 | 20°37 | 0°15 | 6°42 | 6° 2 | 19°18 | 17°22 | S 5 |
| M 6 | 5 19 55 | 19°47'00 | 29°42 | 23° 3 | 11° 8 | 15°47 | 4°31 | 19°23 | 24°32 | 20°39 | 0°17 | 6°40 | 5°59 | 19°25 | 17°21 | M 6 |
| T 7 | 5 23 51 | 20°48'13 | 13♒47 | 21°42 | 12°24 | 15°24 | 4°42 | 19°22 | 24°34 | 20°41 | 0°19 | 6°38 | 5°56 | 19°32 | 17°20 | T 7 |
| W 8 | 5 27 48 | 21°49'26 | 27°58 | 20°20 | 13°39 | 15° 1 | 4°53 | 19°21 | 24°36 | 20°44 | 0°20 | 6°37 | 5°52 | 19°38 | 17°19 | W 8 |
| T 9 | 5 31 44 | 22°50'38 | 12♓10 | 18°59 | 14°55 | 14°39 | 5° 3 | 19°20 | 24°38 | 20°46 | 0°22 | 6°36 | 5°49 | 19°45 | 17°18 | T 9 |
| F 10 | 5 35 41 | 23°51'51 | 26°22 | 17°42 | 16°10 | 14°16 | 5°14 | 19°19 | 24°40 | 20°48 | 0°24 | 6°D35 | 5°46 | 19°52 | 17°17 | F 10 |
| S 11 | 5 39 37 | 24°53'03 | 10♈30 | 16°31 | 17°26 | 13°55 | 5°25 | 19°18 | 24°42 | 20°51 | 0°25 | 6°36 | 5°43 | 19°59 | 17°17 | S 11 |
| S 12 | 5 43 34 | 25°54'14 | 24°34 | 15°28 | 18°41 | 13°33 | 5°35 | 19°18 | 24°44 | 20°53 | 0°27 | 6°37 | 5°40 | 20° 5 | 17°16 | S 12 |
| M13 | 5 47 30 | 26°55'26 | 8♉30 | 14°34 | 19°57 | 13°12 | 5°46 | 19°17 | 24°46 | 20°55 | 0°28 | 6°39 | 5°37 | 20°12 | 17°15 | M13 |
| T 14 | 5 51 27 | 27°56'37 | 22°19 | 13°50 | 21°12 | 12°52 | 5°56 | 19°17 | 24°48 | 20°57 | 0°30 | 6°40 | 5°33 | 20°19 | 17°15 | T 14 |
| W15 | 5 55 24 | 28°57'48 | 5♊58 | 13°16 | 22°28 | 12°32 | 6° 7 | 19°17 | 24°51 | 21° 0 | 0°32 | 6°R40 | 5°30 | 20°25 | 17°14 | W15 |
| T 16 | 5 59 20 | 29°58'59 | 19°25 | 12°53 | 23°43 | 12°13 | 6°17 | 19°D17 | 24°53 | 21° 2 | 0°33 | 6°40 | 5°27 | 20°32 | 17°14 | T 16 |
| F 17 | 6 3 17 | 1♑ 0'10 | 2♋38 | 12°39 | 24°59 | 11°55 | 6°27 | 19°17 | 24°55 | 21° 4 | 0°35 | 6°38 | 5°24 | 20°39 | 17°14 | F 17 |
| S 18 | 6 7 13 | 2° 1'20 | 15°37 | 12°D35 | 26°14 | 11°37 | 6°37 | 19°17 | 24°58 | 21° 6 | 0°36 | 6°35 | 5°21 | 20°46 | 17°13 | S 18 |
| S 19 | 6 11 10 | 3° 2'30 | 28°20 | 12°39 | 27°30 | 11°20 | 6°47 | 19°17 | 25° 0 | 21° 9 | 0°37 | 6°31 | 5°17 | 20°52 | 17°13 | S 19 |
| M20 | 6 15 6 | 4° 3'40 | 10♌48 | 12°52 | 28°45 | 11° 3 | 6°57 | 19°18 | 25° 3 | 21°11 | 0°39 | 6°26 | 5°14 | 20°59 | 17°13 | M20 |
| T 21 | 6 19 3 | 5° 4'50 | 23° 3 | 13°12 | 0♑ 1 | 10°47 | 7° 7 | 19°18 | 25° 5 | 21°13 | 0°40 | 6°21 | 5°11 | 21° 6 | 17°13 | T 21 |
| W22 | 6 22 59 | 6° 6'00 | 5♍ 7 | 13°39 | 1°16 | 10°32 | 7°16 | 19°19 | 25° 8 | 21°15 | 0°41 | 6°16 | 5° 8 | 21°12 | 17°13 | W22 |
| T 23 | 6 26 56 | 7° 7'09 | 17° 3 | 14°13 | 2°31 | 10°18 | 7°26 | 19°19 | 25°10 | 21°17 | 0°43 | 6°13 | 5° 5 | 21°19 | 17°D13 | T 23 |
| F 24 | 6 30 53 | 8° 8'18 | 28°55 | 14°51 | 3°47 | 10° 4 | 7°35 | 19°20 | 25°13 | 21°20 | 0°44 | 6°11 | 5° 2 | 21°26 | 17°13 | F 24 |
| S 25 | 6 34 49 | 9° 9'27 | 10♎47 | 15°35 | 5° 2 | 9°52 | 7°45 | 19°21 | 25°15 | 21°22 | 0°45 | 6°D11 | 4°58 | 21°33 | 17°13 | S 25 |
| S 26 | 6 38 46 | 10°10'36 | 22°45 | 16°23 | 6°18 | 9°40 | 7°54 | 19°22 | 25°18 | 21°24 | 0°46 | 6°11 | 4°55 | 21°39 | 17°13 | S 26 |
| M27 | 6 42 42 | 11°11'45 | 4♏54 | 17°16 | 7°33 | 9°28 | 8° 3 | 19°23 | 25°21 | 21°26 | 0°47 | 6°13 | 4°52 | 21°46 | 17°13 | M27 |
| T 28 | 6 46 39 | 12°12'53 | 17°19 | 18°12 | 8°49 | 9°18 | 8°12 | 19°25 | 25°23 | 21°28 | 0°49 | 6°15 | 4°49 | 21°53 | 17°13 | T 28 |
| W29 | 6 50 35 | 13°14'01 | 0♐ 2 | 19°11 | 10° 4 | 9° 8 | 8°21 | 19°26 | 25°26 | 21°31 | 0°50 | 6°R16 | 4°46 | 21°59 | 17°14 | W29 |
| T 30 | 6 54 32 | 14°15'08 | 13° 9 | 20°13 | 11°19 | 8°59 | 8°29 | 19°28 | 25°29 | 21°33 | 0°51 | 6°16 | 4°43 | 22° 6 | 17°14 | T 30 |
| F 31 | 6 58 28 | 15♑16'15 | 26♐39 | 21♐18 | 12♑35 | 8♊51 | 8♏38 | 19♈29 | 25♒32 | 21♐35 | 0♏52 | 6♊14 | 4♊39 | 22♍13 | 17♈15 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22s41 | 17s 9 | 1n19 | 23s19 | 0n15 | 20s49 | 0n25 | 25n44 | 2n45 | 11s46 | 1n 5 | 5n12 | 2s40 | 14s10 | 0s44 | 22s 4 | 1n10 | 3n 6 | 15n39 | 21n33 | 21n28 | 9n 3 | 8n16 | 1n30 |
| T 2 | 22 48 | 21 9 | 0 9 | 22 59 | 0 34 | 21 5 | 0 22 | 25 44 | 2 47 | 11 50 | 1 5 | 5 12 | 2 39 | 14 9 | 0 44 | 22 4 | 1 10 | 3 5 | 15 39 | 21 33 | 21 28 | 9 0 | 8 15 | 1 30 |
| F 3 | 22 54 | 24 8 | 1s 4 | 22 37 | 0 54 | 21 20 | 0 20 | 25 44 | 2 49 | 11 53 | 1 5 | 5 12 | 2 39 | 14 9 | 0 44 | 22 4 | 1 10 | 3 5 | 15 40 | 21 33 | 21 27 | 8 57 | 8 15 | 1 30 |
| S 4 | 23 0 | 25 48 | 2 15 | 22 16 | 1 14 | 21 34 | 0 17 | 25 43 | 2 51 | 11 57 | 1 5 | 5 11 | 2 39 | 14 8 | 0 44 | 22 4 | 1 10 | 3 5 | 15 40 | 21 33 | 21 26 | 8 54 | 8 14 | 1 30 |
| S 5 | 23 6 | 25 56 | 3 19 | 21 53 | 1 34 | 21 48 | 0 15 | 25 42 | 2 52 | 12 1 | 1 5 | 5 11 | 2 39 | 14 7 | 0 44 | 22 5 | 1 10 | 3 5 | 15 40 | 21 33 | 21 26 | 8 51 | 8 14 | 1 29 |
| M 6 | 23 10 | 24 26 | 4 13 | 21 31 | 1 52 | 22 2 | 0 13 | 25 41 | 2 54 | 12 4 | 1 5 | 5 11 | 2 38 | 14 7 | 0 44 | 22 5 | 1 10 | 3 4 | 15 41 | 21 32 | 21 25 | 8 49 | 8 13 | 1 29 |
| T 7 | 23 15 | 21 25 | 4 51 | 21 9 | 2 10 | 22 14 | 0 10 | 25 40 | 2 55 | 12 8 | 1 5 | 5 11 | 2 38 | 14 6 | 0 44 | 22 5 | 1 10 | 3 4 | 15 41 | 21 32 | 21 25 | 8 46 | 8 13 | 1 29 |
| W 8 | 23 19 | 17 7 | 5 12 | 20 48 | 2 26 | 22 26 | 0 8 | 25 39 | 2 57 | 12 12 | 1 5 | 5 11 | 2 38 | 14 5 | 0 44 | 22 5 | 1 10 | 3 4 | 15 42 | 21 32 | 21 24 | 8 43 | 8 12 | 1 29 |
| T 9 | 23 23 | 11 52 | 5 14 | 20 28 | 2 39 | 22 37 | 0 5 | 25 38 | 2 58 | 12 15 | 1 5 | 5 11 | 2 37 | 14 5 | 0 44 | 22 5 | 1 10 | 3 4 | 15 42 | 21 32 | 21 24 | 8 40 | 8 12 | 1 29 |
| F 10 | 23 26 | 6 0 | 4 57 | 20 10 | 2 51 | 22 48 | 0 3 | 25 37 | 3 0 | 12 19 | 1 5 | 5 11 | 2 37 | 14 4 | 0 44 | 22 5 | 1 10 | 3 3 | 15 42 | 21 32 | 21 23 | 8 37 | 8 11 | 1 29 |
| S 11 | 23 28 | 0n10 | 4 22 | 19 54 | 3 0 | 22 58 | 0 1 | 25 35 | 3 1 | 12 22 | 1 5 | 5 11 | 2 37 | 14 3 | 0 44 | 22 6 | 1 10 | 3 3 | 15 43 | 21 32 | 21 23 | 8 34 | 8 11 | 1 29 |
| S 12 | 23 30 | 6 17 | 3 32 | 19 42 | 3 6 | 23 7 | 0s 2 | 25 34 | 3 2 | 12 26 | 1 6 | 5 11 | 2 37 | 14 2 | 0 44 | 22 6 | 1 10 | 3 3 | 15 43 | 21 32 | 21 22 | 8 31 | 8 11 | 1 28 |
| M13 | 23 32 | 12 4 | 2 29 | 19 32 | 3 10 | 23 15 | 0 4 | 25 32 | 3 3 | 12 29 | 1 6 | 5 11 | 2 36 | 14 2 | 0 44 | 22 6 | 1 10 | 3 3 | 15 43 | 21 32 | 21 21 | 8 29 | 8 10 | 1 28 |
| T 14 | 23 33 | 17 11 | 1 18 | 19 25 | 3 12 | 23 23 | 0 7 | 25 30 | 3 4 | 12 32 | 1 6 | 5 11 | 2 36 | 14 1 | 0 44 | 22 6 | 1 10 | 3 3 | 15 44 | 21 32 | 21 21 | 8 26 | 8 10 | 1 28 |
| W15 | 23 34 | 21 21 | 0 4 | 19 21 | 3 12 | 23 30 | 0 9 | 25 29 | 3 5 | 12 36 | 1 6 | 5 11 | 2 36 | 14 0 | 0 44 | 22 6 | 1 10 | 3 3 | 15 44 | 21 33 | 21 20 | 8 23 | 8 10 | 1 28 |
| T 16 | 23 34 | 24 18 | 1n10 | 19 19 | 3 10 | 23 37 | 0 11 | 25 27 | 3 6 | 12 39 | 1 6 | 5 11 | 2 35 | 13 59 | 0 44 | 22 6 | 1 10 | 3 3 | 15 45 | 21 32 | 21 20 | 8 20 | 8 9 | 1 28 |
| F 17 | 23 34 | 25 50 | 2 18 | 19 21 | 3 7 | 23 42 | 0 14 | 25 25 | 3 6 | 12 42 | 1 6 | 5 12 | 2 35 | 13 59 | 0 44 | 22 7 | 1 10 | 3 3 | 15 45 | 21 32 | 21 19 | 8 17 | 8 9 | 1 28 |
| S 18 | 23 33 | 25 55 | 3 18 | 19 25 | 3 2 | 23 47 | 0 16 | 25 23 | 3 7 | 12 46 | 1 6 | 5 12 | 2 35 | 13 58 | 0 44 | 22 7 | 1 10 | 3 2 | 15 46 | 21 32 | 21 19 | 8 14 | 8 9 | 1 28 |
| S 19 | 23 32 | 24 37 | 4 6 | 19 31 | 2 56 | 23 51 | 0 19 | 25 21 | 3 7 | 12 49 | 1 6 | 5 12 | 2 35 | 13 57 | 0 44 | 22 7 | 1 10 | 3 2 | 15 46 | 21 31 | 21 18 | 8 11 | 8 8 | 1 27 |
| M20 | 23 30 | 22 8 | 4 42 | 19 39 | 2 50 | 23 55 | 0 21 | 25 19 | 3 8 | 12 52 | 1 6 | 5 13 | 2 34 | 13 56 | 0 44 | 22 7 | 1 10 | 3 2 | 15 46 | 21 30 | 21 17 | 8 8 | 8 8 | 1 27 |
| T 21 | 23 28 | 18 41 | 5 4 | 19 49 | 2 42 | 23 57 | 0 23 | 25 17 | 3 8 | 12 55 | 1 6 | 5 13 | 2 34 | 13 55 | 0 44 | 22 7 | 1 10 | 3 2 | 15 47 | 21 29 | 21 17 | 8 5 | 8 8 | 1 27 |
| W22 | 23 26 | 14 31 | 5 12 | 20 0 | 2 35 | 23 59 | 0 25 | 25 16 | 3 9 | 12 58 | 1 7 | 5 14 | 2 34 | 13 54 | 0 44 | 22 7 | 1 10 | 3 2 | 15 47 | 21 28 | 21 16 | 8 3 | 8 8 | 1 27 |
| T 23 | 23 23 | 9 51 | 5 7 | 20 13 | 2 26 | 24 0 | 0 28 | 25 14 | 3 9 | 13 1 | 1 7 | 5 14 | 2 33 | 13 53 | 0 44 | 22 7 | 1 10 | 3 2 | 15 48 | 21 28 | 21 16 | 8 0 | 8 8 | 1 27 |
| F 24 | 23 19 | 4 50 | 4 48 | 20 26 | 2 18 | 24 1 | 0 30 | 25 12 | 3 9 | 13 4 | 1 7 | 5 15 | 2 33 | 13 53 | 0 44 | 22 8 | 1 10 | 3 2 | 15 48 | 21 28 | 21 15 | 7 57 | 8 8 | 1 27 |
| S 25 | 23 15 | 0s21 | 4 17 | 20 39 | 2 9 | 24 1 | 0 32 | 25 10 | 3 9 | 13 7 | 1 7 | 5 16 | 2 33 | 13 52 | 0 44 | 22 8 | 1 10 | 3 2 | 15 49 | 21 27 | 21 15 | 7 54 | 8 8 | 1 26 |
| S 26 | 23 11 | 5 34 | 3 35 | 20 53 | 1 59 | 24 0 | 0 34 | 25 8 | 3 9 | 13 10 | 1 7 | 5 16 | 2 32 | 13 51 | 0 44 | 22 8 | 1 10 | 3 2 | 15 49 | 21 28 | 21 14 | 7 51 | 8 7 | 1 26 |
| M27 | 23 6 | 10 40 | 2 43 | 21 8 | 1 50 | 23 58 | 0 37 | 25 7 | 3 9 | 13 13 | 1 7 | 5 17 | 2 32 | 13 50 | 0 44 | 22 8 | 1 10 | 3 2 | 15 50 | 21 28 | 21 13 | 7 48 | 8 7 | 1 26 |
| T 28 | 23 0 | 15 28 | 1 41 | 21 22 | 1 41 | 23 55 | 0 39 | 25 5 | 3 9 | 13 15 | 1 7 | 5 18 | 2 32 | 13 49 | 0 44 | 22 8 | 1 10 | 3 2 | 15 50 | 21 28 | 21 13 | 7 45 | 8 7 | 1 26 |
| W29 | 22 54 | 19 43 | 0 34 | 21 37 | 1 31 | 23 52 | 0 41 | 25 3 | 3 9 | 13 18 | 1 7 | 5 19 | 2 32 | 13 48 | 0 44 | 22 8 | 1 10 | 3 3 | 15 51 | 21 28 | 21 12 | 7 42 | 8 7 | 1 26 |
| T 30 | 22 48 | 23 7 | 0s37 | 21 51 | 1 22 | 23 48 | 0 43 | 25 2 | 3 9 | 13 21 | 1 7 | 5 19 | 2 31 | 13 47 | 0 44 | 22 8 | 1 10 | 3 3 | 15 51 | 21 28 | 21 12 | 7 39 | 8 7 | 1 26 |
| F 31 | 22s41 | 25s20 | 1s48 | 22s 5 | 1n13 | 23s43 | 0s45 | 25n 0 | 3n 9 | 13s23 | 1n 8 | 5n20 | 2s31 | 13s46 | 0s44 | 22s 9 | 1n10 | 3n 3 | 15n51 | 21n28 | 21n11 | 7n36 | 8n 7 | 1n26 |

Julian Day Number = 2085546.5, Delta T = 24m33s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'25, Lahiri = 9°53'25 Julian Calendar 1 Dec. 997 == Greg. Calendar 6 Dec. 997


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## JANUARY 998 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 2 25 | 16♑17'21 | 10♑32 | 22♐25 | 13♑50 | 8°R44 | 8♏46 | 19♈31 | 25♒34 | 21♐37 | 0♏53 | 6°R10 | 4♊36 | 22♍20 | 17♈15 | S 1 |
| S 2 | 7 6 22 | 17°18'27 | 24°45 | 23°35 | 15° 6 | 8♊38 | 8°55 | 19°33 | 25°37 | 21°39 | 0°54 | 6♊ 5 | 4°33 | 22°26 | 17°16 | S 2 |
| M 3 | 7 10 18 | 18°19'31 | 9♒12 | 24°46 | 16°21 | 8°32 | 9° 3 | 19°35 | 25°40 | 21°41 | 0°55 | 5°58 | 4°30 | 22°33 | 17°16 | M 3 |
| T 4 | 7 14 15 | 19°20'35 | 23°48 | 25°59 | 17°36 | 8°28 | 9°11 | 19°37 | 25°43 | 21°43 | 0°55 | 5°51 | 4°27 | 22°40 | 17°17 | T 4 |
| W 5 | 7 18 11 | 20°21'38 | 8♓25 | 27°14 | 18°52 | 8°24 | 9°19 | 19°39 | 25°46 | 21°45 | 0°56 | 5°44 | 4°23 | 22°47 | 17°18 | W 5 |
| T 6 | 7 22 8 | 21°22'39 | 22°57 | 28°30 | 20° 7 | 8°21 | 9°27 | 19°41 | 25°49 | 21°47 | 0°57 | 5°39 | 4°20 | 22°53 | 17°19 | T 6 |
| F 7 | 7 26 4 | 22°23'39 | 7♈18 | 29°48 | 21°23 | 8°18 | 9°35 | 19°43 | 25°52 | 21°49 | 0°58 | 5°36 | 4°17 | 23° 0 | 17°19 | F 7 |
| S 8 | 7 30 1 | 23°24'38 | 21°26 | 1♑ 7 | 22°38 | 8°17 | 9°42 | 19°46 | 25°55 | 21°51 | 0°59 | 5°D35 | 4°14 | 23° 7 | 17°20 | S 8 |
| S 9 | 7 33 57 | 24°25'35 | 5♉20 | 2°28 | 23°53 | 8°D16 | 9°50 | 19°48 | 25°58 | 21°53 | 0°59 | 5°36 | 4°11 | 23°13 | 17°21 | S 9 |
| M10 | 7 37 54 | 25°26'31 | 18°59 | 3°49 | 25° 8 | 8°16 | 9°57 | 19°51 | 26° 1 | 21°55 | 1° 0 | 5°37 | 4° 8 | 23°20 | 17°22 | M10 |
| T 11 | 7 41 51 | 26°27'26 | 2♊25 | 5°12 | 26°24 | 8°17 | 10° 4 | 19°54 | 26° 4 | 21°57 | 1° 1 | 5°R38 | 4° 4 | 23°27 | 17°23 | T 11 |
| W12 | 7 45 47 | 27°28'20 | 15°38 | 6°36 | 27°39 | 8°19 | 10°11 | 19°57 | 26° 7 | 21°59 | 1° 1 | 5°37 | 4° 1 | 23°34 | 17°25 | W12 |
| T 13 | 7 49 44 | 28°29'12 | 28°40 | 8° 0 | 28°54 | 8°21 | 10°18 | 20° 0 | 26°10 | 22° 1 | 1° 2 | 5°35 | 3°58 | 23°40 | 17°26 | T 13 |
| F 14 | 7 53 40 | 29°30'03 | 11♋31 | 9°26 | 0♒10 | 8°24 | 10°25 | 20° 3 | 26°14 | 22° 3 | 1° 2 | 5°29 | 3°55 | 23°47 | 17°27 | F 14 |
| S 15 | 7 57 37 | 0♒30'52 | 24°12 | 10°52 | 1°25 | 8°28 | 10°31 | 20° 6 | 26°17 | 22° 5 | 1° 3 | 5°22 | 3°52 | 23°54 | 17°28 | S 15 |
| S 16 | 8 1 33 | 1°31'41 | 6♌41 | 12°20 | 2°40 | 8°32 | 10°38 | 20° 9 | 26°20 | 22° 7 | 1° 3 | 5°12 | 3°49 | 24° 0 | 17°30 | S 16 |
| M17 | 8 5 30 | 2°32'28 | 19° 0 | 13°48 | 3°55 | 8°37 | 10°44 | 20°13 | 26°23 | 22° 9 | 1° 4 | 5° 1 | 3°45 | 24° 7 | 17°31 | M17 |
| T 18 | 8 9 27 | 3°33'13 | 1♍10 | 15°18 | 5°11 | 8°43 | 10°50 | 20°16 | 26°26 | 22°10 | 1° 4 | 4°49 | 3°42 | 24°14 | 17°32 | T 18 |
| W19 | 8 13 23 | 4°33'58 | 13°10 | 16°48 | 6°26 | 8°49 | 10°56 | 20°20 | 26°30 | 22°12 | 1° 4 | 4°38 | 3°39 | 24°21 | 17°34 | W19 |
| T 20 | 8 17 20 | 5°34'41 | 25° 5 | 18°19 | 7°41 | 8°56 | 11° 2 | 20°23 | 26°33 | 22°14 | 1° 5 | 4°29 | 3°36 | 24°27 | 17°36 | T 20 |
| F 21 | 8 21 16 | 6°35'23 | 6♎55 | 19°51 | 8°56 | 9° 4 | 11° 8 | 20°27 | 26°36 | 22°16 | 1° 5 | 4°22 | 3°33 | 24°34 | 17°37 | F 21 |
| S 22 | 8 25 13 | 7°36'04 | 18°46 | 21°23 | 10°11 | 9°12 | 11°13 | 20°31 | 26°40 | 22°18 | 1° 5 | 4°18 | 3°29 | 24°41 | 17°39 | S 22 |
| S 23 | 8 29 9 | 8°36'43 | 0♏42 | 22°57 | 11°26 | 9°21 | 11°18 | 20°35 | 26°43 | 22°19 | 1° 5 | 4°16 | 3°26 | 24°47 | 17°41 | S 23 |
| M24 | 8 33 6 | 9°37'22 | 12°47 | 24°31 | 12°42 | 9°31 | 11°24 | 20°39 | 26°46 | 22°21 | 1° 6 | 4°D15 | 3°23 | 24°54 | 17°42 | M24 |
| T 25 | 8 37 2 | 10°37'59 | 25° 8 | 26° 6 | 13°57 | 9°41 | 11°29 | 20°43 | 26°50 | 22°23 | 1° 6 | 4°16 | 3°20 | 25° 1 | 17°44 | T 25 |
| W26 | 8 40 59 | 11°38'35 | 7♐49 | 27°43 | 15°12 | 9°52 | 11°33 | 20°47 | 26°53 | 22°24 | 1° 6 | 4°R16 | 3°17 | 25° 8 | 17°46 | W26 |
| T 27 | 8 44 56 | 12°39'10 | 20°54 | 29°20 | 16°27 | 10° 3 | 11°38 | 20°52 | 26°56 | 22°26 | 1° 6 | 4°15 | 3°14 | 25°14 | 17°48 | T 27 |
| F 28 | 8 48 52 | 13°39'43 | 4♑27 | 0♒57 | 17°42 | 10°15 | 11°43 | 20°56 | 27° 0 | 22°28 | 1°R 6 | 4°11 | 3°10 | 25°21 | 17°50 | F 28 |
| S 29 | 8 52 49 | 14°40'15 | 18°29 | 2°36 | 18°57 | 10°27 | 11°47 | 21° 1 | 27° 3 | 22°29 | 1° 6 | 4° 5 | 3° 7 | 25°28 | 17°52 | S 29 |
| S 30 | 8 56 45 | 15°40'46 | 2♒57 | 4°16 | 20°12 | 10°40 | 11°51 | 21° 5 | 27° 6 | 22°31 | 1° 6 | 3°56 | 3° 4 | 25°34 | 17°54 | S 30 |
| M31 | 9 0 42 | 16♒41'15 | 17♒46 | 5♒56 | 21♒27 | 10♊54 | 11♏55 | 21♈10 | 27♒10 | 22♐32 | 1♏ 6 | 3♊46 | 3♊ 1 | 25♍41 | 17♈56 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s34 | 26s 3 | 2s55 | 22s18 | 1n 3 | 23s37 | 0s47 | 24n59 | 3n 9 | 13s26 | 1n 8 | 5n21 | 2s31 | 13s45 | 0s44 | 22s 9 | 1n10 | 3n 3 | 15n52 | 21n27 | 21n11 | 7n33 | 8n 7 | 1n25 |
| S 2 | 22 27 | 25 6 | 3 52 | 22 31 | 0 54 | 23 31 | 0 49 | 24 58 | 3 8 | 13 29 | 1 8 | 5 22 | 2 30 | 13 44 | 0 44 | 22 9 | 1 10 | 3 3 | 15 52 | 21 26 | 21 10 | 7 31 | 8 8 | 1 25 |
| M 3 | 22 19 | 22 28 | 4 36 | 22 43 | 0 45 | 23 24 | 0 51 | 24 56 | 3 8 | 13 31 | 1 8 | 5 23 | 2 30 | 13 43 | 0 44 | 22 9 | 1 10 | 3 3 | 15 53 | 21 25 | 21 9 | 7 28 | 8 8 | 1 25 |
| T 4 | 22 10 | 18 24 | 5 2 | 22 55 | 0 36 | 23 17 | 0 53 | 24 55 | 3 8 | 13 34 | 1 8 | 5 24 | 2 30 | 13 42 | 0 44 | 22 9 | 1 10 | 3 3 | 15 53 | 21 24 | 21 9 | 7 25 | 8 8 | 1 25 |
| W 5 | 22 1 | 13 12 | 5 8 | 23 5 | 0 27 | 23 8 | 0 55 | 24 54 | 3 7 | 13 36 | 1 8 | 5 25 | 2 29 | 13 41 | 0 44 | 22 9 | 1 10 | 3 4 | 15 54 | 21 23 | 21 8 | 7 22 | 8 8 | 1 25 |
| T 6 | 21 52 | 7 19 | 4 54 | 23 15 | 0 18 | 22 59 | 0 56 | 24 53 | 3 7 | 13 38 | 1 8 | 5 26 | 2 29 | 13 40 | 0 43 | 22 9 | 1 10 | 3 4 | 15 54 | 21 22 | 21 8 | 7 19 | 8 8 | 1 25 |
| F 7 | 21 42 | 1 6 | 4 23 | 23 24 | 0 10 | 22 49 | 0 58 | 24 52 | 3 6 | 13 41 | 1 8 | 5 28 | 2 29 | 13 39 | 0 43 | 22 9 | 1 10 | 3 4 | 15 55 | 21 21 | 21 7 | 7 16 | 8 8 | 1 25 |
| S 8 | 21 32 | 5n 5 | 3 35 | 23 32 | 0 2 | 22 39 | 1 0 | 24 52 | 3 6 | 13 43 | 1 9 | 5 29 | 2 29 | 13 38 | 0 43 | 22 9 | 1 10 | 3 4 | 15 55 | 21 21 | 21 6 | 7 13 | 8 9 | 1 24 |
| S 9 | 21 21 | 10 55 | 2 36 | 23 39 | 0s 7 | 22 27 | 1 2 | 24 51 | 3 5 | 13 45 | 1 9 | 5 30 | 2 28 | 13 37 | 0 43 | 22 10 | 1 10 | 3 4 | 15 56 | 21 21 | 21 6 | 7 10 | 8 9 | 1 24 |
| M10 | 21 10 | 16 9 | 1 28 | 23 45 | 0 14 | 22 16 | 1 3 | 24 50 | 3 5 | 13 47 | 1 9 | 5 31 | 2 28 | 13 36 | 0 43 | 22 10 | 1 10 | 3 5 | 15 56 | 21 21 | 21 5 | 7 7 | 8 9 | 1 24 |
| T 11 | 20 59 | 20 29 | 0 17 | 23 50 | 0 22 | 22 3 | 1 5 | 24 50 | 3 4 | 13 49 | 1 9 | 5 33 | 2 28 | 13 35 | 0 43 | 22 10 | 1 10 | 3 5 | 15 57 | 21 22 | 21 5 | 7 4 | 8 9 | 1 24 |
| W12 | 20 47 | 23 41 | 0n54 | 23 54 | 0 30 | 21 50 | 1 6 | 24 50 | 3 3 | 13 52 | 1 9 | 5 34 | 2 27 | 13 34 | 0 43 | 22 10 | 1 10 | 3 5 | 15 57 | 21 22 | 21 4 | 7 1 | 8 10 | 1 24 |
| T 13 | 20 35 | 25 34 | 2 0 | 23 57 | 0 37 | 21 36 | 1 8 | 24 49 | 3 3 | 13 54 | 1 9 | 5 35 | 2 27 | 13 32 | 0 43 | 22 10 | 1 10 | 3 5 | 15 58 | 21 21 | 21 3 | 6 58 | 8 10 | 1 24 |
| F 14 | 20 22 | 26 3 | 3 0 | 23 58 | 0 44 | 21 21 | 1 9 | 24 49 | 3 2 | 13 55 | 1 9 | 5 37 | 2 27 | 13 31 | 0 43 | 22 10 | 1 10 | 3 6 | 15 58 | 21 20 | 21 3 | 6 55 | 8 10 | 1 23 |
| S 15 | 20 9 | 25 10 | 3 50 | 23 58 | 0 51 | 21 6 | 1 11 | 24 49 | 3 1 | 13 57 | 1 10 | 5 38 | 2 27 | 13 30 | 0 43 | 22 10 | 1 10 | 3 6 | 15 59 | 21 19 | 21 2 | 6 52 | 8 11 | 1 23 |
| S 16 | 19 56 | 23 1 | 4 27 | 23 57 | 0 58 | 20 50 | 1 12 | 24 49 | 3 1 | 13 59 | 1 10 | 5 40 | 2 26 | 13 29 | 0 43 | 22 10 | 1 10 | 3 6 | 15 59 | 21 17 | 21 2 | 6 49 | 8 11 | 1 23 |
| M17 | 19 42 | 19 50 | 4 52 | 23 55 | 1 4 | 20 34 | 1 13 | 24 49 | 3 0 | 14 1 | 1 10 | 5 41 | 2 26 | 13 28 | 0 43 | 22 10 | 1 10 | 3 7 | 16 0 | 21 15 | 21 1 | 6 46 | 8 11 | 1 23 |
| T 18 | 19 28 | 15 50 | 5 3 | 23 51 | 1 10 | 20 17 | 1 15 | 24 49 | 2 59 | 14 3 | 1 10 | 5 43 | 2 26 | 13 27 | 0 43 | 22 11 | 1 10 | 3 7 | 16 0 | 21 13 | 21 0 | 6 43 | 8 12 | 1 23 |
| W19 | 19 14 | 11 16 | 5 0 | 23 46 | 1 16 | 19 59 | 1 16 | 24 50 | 2 58 | 14 5 | 1 10 | 5 44 | 2 25 | 13 26 | 0 43 | 22 11 | 1 10 | 3 7 | 16 1 | 21 11 | 21 0 | 6 40 | 8 12 | 1 23 |
| T 20 | 18 59 | 6 19 | 4 45 | 23 39 | 1 21 | 19 41 | 1 17 | 24 50 | 2 58 | 14 6 | 1 10 | 5 46 | 2 25 | 13 25 | 0 43 | 22 11 | 1 10 | 3 8 | 16 1 | 21 9 | 20 59 | 6 37 | 8 13 | 1 23 |
| F 21 | 18 44 | 1 10 | 4 17 | 23 31 | 1 27 | 19 22 | 1 18 | 24 50 | 2 57 | 14 8 | 1 11 | 5 48 | 2 25 | 13 24 | 0 43 | 22 11 | 1 10 | 3 8 | 16 2 | 21 8 | 20 59 | 6 35 | 8 13 | 1 22 |
| S 22 | 18 28 | 4s 2 | 3 38 | 23 22 | 1 31 | 19 3 | 1 19 | 24 51 | 2 56 | 14 9 | 1 11 | 5 49 | 2 25 | 13 22 | 0 43 | 22 11 | 1 10 | 3 9 | 16 2 | 21 7 | 20 58 | 6 32 | 8 14 | 1 22 |
| S 23 | 18 12 | 9 9 | 2 49 | 23 11 | 1 36 | 18 43 | 1 20 | 24 52 | 2 55 | 14 11 | 1 11 | 5 51 | 2 24 | 13 21 | 0 43 | 22 11 | 1 10 | 3 9 | 16 3 | 21 7 | 20 57 | 6 29 | 8 14 | 1 22 |
| M24 | 17 56 | 13 59 | 1 52 | 22 59 | 1 41 | 18 23 | 1 21 | 24 52 | 2 54 | 14 12 | 1 11 | 5 53 | 2 24 | 13 20 | 0 43 | 22 11 | 1 10 | 3 9 | 16 3 | 21 7 | 20 57 | 6 26 | 8 15 | 1 22 |
| T 25 | 17 40 | 18 22 | 0 48 | 22 45 | 1 45 | 18 2 | 1 22 | 24 53 | 2 54 | 14 14 | 1 11 | 5 55 | 2 24 | 13 19 | 0 43 | 22 11 | 1 10 | 3 10 | 16 4 | 21 7 | 20 56 | 6 23 | 8 15 | 1 22 |
| W26 | 17 23 | 22 2 | 0s19 | 22 30 | 1 48 | 17 41 | 1 22 | 24 54 | 2 53 | 14 15 | 1 11 | 5 57 | 2 24 | 13 18 | 0 43 | 22 11 | 1 10 | 3 10 | 16 4 | 21 7 | 20 56 | 6 20 | 8 16 | 1 22 |
| T 27 | 17 6 | 24 42 | 1 27 | 22 13 | 1 52 | 17 19 | 1 23 | 24 55 | 2 52 | 14 16 | 1 11 | 5 58 | 2 23 | 13 17 | 0 43 | 22 11 | 1 10 | 3 11 | 16 5 | 21 7 | 20 55 | 6 17 | 8 17 | 1 22 |
| F 28 | 16 49 | 26 3 | 2 33 | 21 55 | 1 55 | 16 56 | 1 24 | 24 56 | 2 51 | 14 18 | 1 12 | 6 0 | 2 23 | 13 15 | 0 43 | 22 11 | 1 10 | 3 11 | 16 5 | 21 6 | 20 54 | 6 14 | 8 17 | 1 22 |
| S 29 | 16 31 | 25 47 | 3 32 | 21 35 | 1 57 | 16 33 | 1 24 | 24 57 | 2 50 | 14 19 | 1 12 | 6 2 | 2 23 | 13 14 | 0 43 | 22 11 | 1 10 | 3 12 | 16 6 | 21 5 | 20 54 | 6 11 | 8 18 | 1 21 |
| S 30 | 16 13 | 23 48 | 4 19 | 21 14 | 2 0 | 16 10 | 1 25 | 24 58 | 2 49 | 14 20 | 1 12 | 6 4 | 2 23 | 13 13 | 0 43 | 22 11 | 1 10 | 3 12 | 16 6 | 21 3 | 20 53 | 6 8 | 8 19 | 1 21 |
| M31 | 15s55 | 20s11 | 4s50 | 20s51 | 2s 2 | 15s46 | 1s25 | 24n59 | 2n48 | 14s21 | 1n12 | 6n 6 | 2s22 | 13s12 | 0s43 | 22s12 | 1n10 | 3n13 | 16n 7 | 21n 1 | 20n53 | 6n 5 | 8n19 | 1n21 |

Julian Day Number = 2085577.5, Delta T = 24m33s
Ecliptic obliquity = 23°34'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'29, Lahiri = 9°53'30 Julian Calendar 1 Jan. 998 == Greg. Calendar 6 Jan. 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## FEBRUARY 998 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 9 4 38 | 17♒41'42 | 2♓47 | 7♒38 | 22♒42 | 11♊ 7 | 11♏59 | 21♈15 | 27♒13 | 22♐34 | 1°R 6 | 3°R35 | 2♊58 | 25♍48 | 17♈58 | T 1 |
| W 2 | 9 8 35 | 18°42'07 | 17°51 | 9°21 | 23°57 | 11°22 | 12° 3 | 21°19 | 27°17 | 22°35 | 1♏ 5 | 3♊24 | 2°55 | 25°55 | 18° 0 | W 2 |
| T 3 | 9 12 31 | 19°42'31 | 2♈47 | 11° 4 | 25°12 | 11°37 | 12° 6 | 21°24 | 27°20 | 22°37 | 1° 5 | 3°15 | 2°51 | 26° 1 | 18° 3 | T 3 |
| F 4 | 9 16 28 | 20°42'52 | 17°28 | 12°48 | 26°27 | 11°52 | 12° 9 | 21°29 | 27°24 | 22°38 | 1° 5 | 3° 9 | 2°48 | 26° 8 | 18° 5 | F 4 |
| S 5 | 9 20 25 | 21°43'12 | 1♉49 | 14°34 | 27°42 | 12° 8 | 12°13 | 21°34 | 27°27 | 22°39 | 1° 5 | 3° 6 | 2°45 | 26°15 | 18° 7 | S 5 |
| S 6 | 9 24 21 | 22°43'29 | 15°47 | 16°20 | 28°57 | 12°24 | 12°16 | 21°40 | 27°30 | 22°41 | 1° 4 | 3° 4 | 2°42 | 26°21 | 18°10 | S 6 |
| M 7 | 9 28 18 | 23°43'45 | 29°24 | 18° 8 | 0♓12 | 12°41 | 12°18 | 21°45 | 27°34 | 22°42 | 1° 4 | 3° 4 | 2°39 | 26°28 | 18°12 | M 7 |
| T 8 | 9 32 14 | 24°43'58 | 12♊40 | 19°56 | 1°27 | 12°58 | 12°21 | 21°50 | 27°37 | 22°43 | 1° 4 | 3° 4 | 2°35 | 26°35 | 18°14 | T 8 |
| W 9 | 9 36 11 | 25°44'09 | 25°39 | 21°46 | 2°42 | 13°16 | 12°23 | 21°55 | 27°41 | 22°45 | 1° 3 | 3° 2 | 2°32 | 26°42 | 18°17 | W 9 |
| T 10 | 9 40 7 | 26°44'18 | 8♋24 | 23°36 | 3°57 | 13°34 | 12°26 | 22° 1 | 27°44 | 22°46 | 1° 3 | 2°59 | 2°29 | 26°48 | 18°20 | T 10 |
| F 11 | 9 44 4 | 27°44'25 | 20°57 | 25°28 | 5°12 | 13°53 | 12°28 | 22° 6 | 27°48 | 22°47 | 1° 2 | 2°52 | 2°26 | 26°55 | 18°22 | F 11 |
| S 12 | 9 48 0 | 28°44'30 | 3♌21 | 27°20 | 6°26 | 14°11 | 12°29 | 22°12 | 27°51 | 22°48 | 1° 2 | 2°42 | 2°23 | 27° 2 | 18°25 | S 12 |
| S 13 | 9 51 57 | 29°44'33 | 15°36 | 29°13 | 7°41 | 14°31 | 12°31 | 22°18 | 27°55 | 22°50 | 1° 1 | 2°29 | 2°20 | 27° 8 | 18°27 | S 13 |
| M14 | 9 55 54 | 0♓44'34 | 27°43 | 1♓ 8 | 8°56 | 14°50 | 12°33 | 22°23 | 27°58 | 22°51 | 1° 1 | 2°15 | 2°16 | 27°15 | 18°30 | M14 |
| T 15 | 9 59 50 | 1°44'32 | 9♍45 | 3° 3 | 10°11 | 15°10 | 12°34 | 22°29 | 28° 1 | 22°52 | 1° 0 | 2° 0 | 2°13 | 27°22 | 18°33 | T 15 |
| W16 | 10 3 47 | 2°44'29 | 21°40 | 4°59 | 11°25 | 15°30 | 12°35 | 22°35 | 28° 5 | 22°53 | 1° 0 | 1°46 | 2°10 | 27°28 | 18°36 | W16 |
| T 17 | 10 7 43 | 3°44'24 | 3♎32 | 6°56 | 12°40 | 15°51 | 12°36 | 22°41 | 28° 8 | 22°54 | 0°59 | 1°34 | 2° 7 | 27°35 | 18°38 | T 17 |
| F 18 | 10 11 40 | 4°44'17 | 15°23 | 8°53 | 13°55 | 16°12 | 12°37 | 22°47 | 28°12 | 22°55 | 0°58 | 1°24 | 2° 4 | 27°42 | 18°41 | F 18 |
| S 19 | 10 15 36 | 5°44'09 | 27°13 | 10°51 | 15°10 | 16°33 | 12°37 | 22°53 | 28°15 | 22°56 | 0°57 | 1°18 | 2° 0 | 27°49 | 18°44 | S 19 |
| S 20 | 10 19 33 | 6°43'58 | 9♏ 9 | 12°49 | 16°24 | 16°55 | 12°38 | 22°59 | 28°19 | 22°57 | 0°57 | 1°14 | 1°57 | 27°55 | 18°47 | S 20 |
| M21 | 10 23 29 | 7°43'46 | 21°13 | 14°48 | 17°39 | 17°17 | 12°R38 | 23° 5 | 28°22 | 22°58 | 0°56 | 1°12 | 1°54 | 28° 2 | 18°50 | M21 |
| T 22 | 10 27 26 | 8°43'32 | 3♐30 | 16°46 | 18°53 | 17°39 | 12°38 | 23°12 | 28°25 | 22°59 | 0°55 | 1°12 | 1°51 | 28° 9 | 18°53 | T 22 |
| W23 | 10 31 22 | 9°43'17 | 16° 6 | 18°44 | 20° 8 | 18° 2 | 12°38 | 23°18 | 28°29 | 23° 0 | 0°54 | 1°12 | 1°48 | 28°15 | 18°56 | W23 |
| T 24 | 10 35 19 | 10°43'00 | 29° 7 | 20°41 | 21°23 | 18°24 | 12°37 | 23°24 | 28°32 | 23° 0 | 0°53 | 1°11 | 1°45 | 28°22 | 18°59 | T 24 |
| F 25 | 10 39 16 | 11°42'40 | 12♑34 | 22°37 | 22°37 | 18°48 | 12°37 | 23°31 | 28°36 | 23° 1 | 0°52 | 1° 8 | 1°41 | 28°29 | 19° 2 | F 25 |
| S 26 | 10 43 12 | 12°42'20 | 26°32 | 24°33 | 23°52 | 19°11 | 12°36 | 23°37 | 28°39 | 23° 2 | 0°52 | 1° 2 | 1°38 | 28°36 | 19° 5 | S 26 |
| S 27 | 10 47 9 | 13°41'57 | 11♒ 0 | 26°26 | 25° 6 | 19°35 | 12°35 | 23°44 | 28°42 | 23° 3 | 0°51 | 0°54 | 1°35 | 28°42 | 19° 8 | S 27 |
| M28 | 10 51 5 | 14♓41'32 | 25♒52 | 28♓17 | 26♓21 | 19♊59 | 12♏34 | 23♈50 | 28♒46 | 23♐ 3 | 0♏50 | 0♊44 | 1♊32 | 28♍49 | 19♈12 | M28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 15s37 | 15s12 | 5s 1 | 20s27 | 2s 3 | 15s22 | 1s26 | 25n 0 | 2n48 | 14s22 | 1n12 | 6n 8 | 2s22 | 13s11 | 0s43 | 22s12 | 1n10 | 3n13 | 16n 7 | 20n59 | 20n52 | 6n 2 | 8n20 | 1n21 |
| W 2 | 15 18 | 9 18 | 4 52 | 20 1 | 2 4 | 14 58 | 1 26 | 25 1 | 2 47 | 14 23 | 1 12 | 6 10 | 2 22 | 13 10 | 0 43 | 22 12 | 1 10 | 3 14 | 16 8 | 20 57 | 20 51 | 5 59 | 8 21 | 1 21 |
| T 3 | 14 59 | 2 54 | 4 22 | 19 33 | 2 5 | 14 33 | 1 26 | 25 2 | 2 46 | 14 24 | 1 13 | 6 12 | 2 22 | 13 8 | 0 43 | 22 12 | 1 10 | 3 14 | 16 8 | 20 55 | 20 51 | 5 56 | 8 21 | 1 21 |
| F 4 | 14 40 | 3n34 | 3 36 | 19 4 | 2 6 | 14 7 | 1 26 | 25 4 | 2 45 | 14 25 | 1 13 | 6 14 | 2 21 | 13 7 | 0 43 | 22 12 | 1 10 | 3 15 | 16 9 | 20 54 | 20 50 | 5 53 | 8 22 | 1 21 |
| S 5 | 14 21 | 9 43 | 2 37 | 18 33 | 2 5 | 13 41 | 1 27 | 25 5 | 2 44 | 14 26 | 1 13 | 6 16 | 2 21 | 13 6 | 0 43 | 22 12 | 1 10 | 3 15 | 16 9 | 20 53 | 20 49 | 5 50 | 8 23 | 1 20 |
| S 6 | 14 1 | 15 13 | 1 30 | 18 1 | 2 5 | 13 15 | 1 27 | 25 6 | 2 43 | 14 26 | 1 13 | 6 19 | 2 21 | 13 5 | 0 43 | 22 12 | 1 10 | 3 16 | 16 10 | 20 53 | 20 49 | 5 47 | 8 24 | 1 20 |
| M 7 | 13 41 | 19 49 | 0 19 | 17 27 | 2 4 | 12 49 | 1 27 | 25 8 | 2 42 | 14 27 | 1 13 | 6 21 | 2 21 | 13 4 | 0 43 | 22 12 | 1 10 | 3 16 | 16 10 | 20 53 | 20 48 | 5 44 | 8 25 | 1 20 |
| T 8 | 13 21 | 23 17 | 0n51 | 16 51 | 2 2 | 12 22 | 1 27 | 25 9 | 2 42 | 14 28 | 1 13 | 6 23 | 2 20 | 13 2 | 0 43 | 22 12 | 1 10 | 3 17 | 16 11 | 20 53 | 20 48 | 5 41 | 8 25 | 1 20 |
| W 9 | 13 1 | 25 26 | 1 56 | 16 14 | 2 0 | 11 55 | 1 27 | 25 10 | 2 41 | 14 28 | 1 14 | 6 25 | 2 20 | 13 1 | 0 43 | 22 12 | 1 10 | 3 18 | 16 11 | 20 53 | 20 47 | 5 38 | 8 26 | 1 20 |
| T 10 | 12 40 | 26 13 | 2 55 | 15 35 | 1 58 | 11 27 | 1 26 | 25 12 | 2 40 | 14 29 | 1 14 | 6 27 | 2 20 | 13 0 | 0 43 | 22 12 | 1 10 | 3 18 | 16 12 | 20 52 | 20 46 | 5 35 | 8 27 | 1 20 |
| F 11 | 12 19 | 25 37 | 3 44 | 14 54 | 1 55 | 11 0 | 1 26 | 25 13 | 2 39 | 14 29 | 1 14 | 6 30 | 2 20 | 12 59 | 0 43 | 22 12 | 1 10 | 3 19 | 16 12 | 20 51 | 20 46 | 5 32 | 8 28 | 1 20 |
| S 12 | 11 59 | 23 45 | 4 22 | 14 12 | 1 51 | 10 31 | 1 26 | 25 15 | 2 38 | 14 30 | 1 14 | 6 32 | 2 20 | 12 58 | 0 43 | 22 12 | 1 10 | 3 19 | 16 13 | 20 49 | 20 45 | 5 29 | 8 29 | 1 20 |
| S 13 | 11 37 | 20 48 | 4 47 | 13 29 | 1 47 | 10 3 | 1 25 | 25 16 | 2 37 | 14 30 | 1 14 | 6 34 | 2 19 | 12 56 | 0 43 | 22 12 | 1 10 | 3 20 | 16 13 | 20 46 | 20 44 | 5 26 | 8 30 | 1 19 |
| M14 | 11 16 | 16 59 | 4 58 | 12 44 | 1 43 | 9 35 | 1 25 | 25 18 | 2 36 | 14 30 | 1 14 | 6 37 | 2 19 | 12 55 | 0 43 | 22 12 | 1 10 | 3 21 | 16 14 | 20 43 | 20 44 | 5 23 | 8 31 | 1 19 |
| T 15 | 10 55 | 12 32 | 4 56 | 11 57 | 1 37 | 9 6 | 1 24 | 25 19 | 2 36 | 14 31 | 1 15 | 6 39 | 2 19 | 12 54 | 0 43 | 22 12 | 1 11 | 3 21 | 16 14 | 20 41 | 20 43 | 5 19 | 8 32 | 1 19 |
| W16 | 10 33 | 7 38 | 4 42 | 11 9 | 1 32 | 8 37 | 1 24 | 25 20 | 2 35 | 14 31 | 1 15 | 6 41 | 2 19 | 12 53 | 0 43 | 22 12 | 1 11 | 3 22 | 16 15 | 20 38 | 20 43 | 5 16 | 8 33 | 1 19 |
| T 17 | 10 11 | 2 29 | 4 15 | 10 20 | 1 25 | 8 7 | 1 23 | 25 22 | 2 34 | 14 31 | 1 15 | 6 44 | 2 19 | 12 52 | 0 43 | 22 12 | 1 11 | 3 22 | 16 15 | 20 35 | 20 42 | 5 13 | 8 34 | 1 19 |
| F 18 | 9 50 | 2s45 | 3 37 | 9 30 | 1 18 | 7 38 | 1 23 | 25 23 | 2 33 | 14 31 | 1 15 | 6 46 | 2 18 | 12 50 | 0 43 | 22 12 | 1 11 | 3 23 | 16 15 | 20 33 | 20 41 | 5 10 | 8 35 | 1 19 |
| S 19 | 9 27 | 7 55 | 2 49 | 8 38 | 1 11 | 7 8 | 1 22 | 25 25 | 2 32 | 14 31 | 1 15 | 6 49 | 2 18 | 12 49 | 0 43 | 22 12 | 1 11 | 3 24 | 16 16 | 20 32 | 20 41 | 5 7 | 8 36 | 1 19 |
| S 20 | 9 5 | 12 49 | 1 54 | 7 45 | 1 3 | 6 38 | 1 21 | 25 26 | 2 31 | 14 31 | 1 15 | 6 51 | 2 18 | 12 48 | 0 43 | 22 12 | 1 11 | 3 24 | 16 16 | 20 31 | 20 40 | 5 4 | 8 37 | 1 19 |
| M21 | 8 43 | 17 19 | 0 53 | 6 51 | 0 54 | 6 8 | 1 20 | 25 27 | 2 30 | 14 31 | 1 16 | 6 53 | 2 18 | 12 47 | 0 43 | 22 12 | 1 11 | 3 25 | 16 17 | 20 31 | 20 39 | 5 1 | 8 38 | 1 19 |
| T 22 | 8 21 | 21 10 | 0s12 | 5 56 | 0 45 | 5 38 | 1 19 | 25 29 | 2 30 | 14 31 | 1 16 | 6 56 | 2 18 | 12 46 | 0 43 | 22 12 | 1 11 | 3 26 | 16 17 | 20 31 | 20 39 | 4 58 | 8 39 | 1 18 |
| W23 | 7 58 | 24 8 | 1 18 | 5 1 | 0 35 | 5 8 | 1 18 | 25 30 | 2 29 | 14 30 | 1 16 | 6 58 | 2 17 | 12 45 | 0 43 | 22 12 | 1 11 | 3 26 | 16 17 | 20 31 | 20 38 | 4 55 | 8 40 | 1 18 |
| T 24 | 7 35 | 25 56 | 2 22 | 4 5 | 0 24 | 4 37 | 1 17 | 25 31 | 2 28 | 14 30 | 1 16 | 7 1 | 2 17 | 12 43 | 0 43 | 22 12 | 1 11 | 3 27 | 16 18 | 20 30 | 20 37 | 4 52 | 8 41 | 1 18 |
| F 25 | 7 13 | 26 18 | 3 20 | 3 9 | 0 14 | 4 6 | 1 16 | 25 32 | 2 27 | 14 30 | 1 16 | 7 4 | 2 17 | 12 42 | 0 43 | 22 12 | 1 11 | 3 28 | 16 18 | 20 30 | 20 37 | 4 49 | 8 42 | 1 18 |
| S 26 | 6 50 | 25 2 | 4 9 | 2 13 | 0 2 | 3 36 | 1 15 | 25 33 | 2 26 | 14 30 | 1 16 | 7 6 | 2 17 | 12 41 | 0 43 | 22 12 | 1 11 | 3 28 | 16 19 | 20 29 | 20 36 | 4 46 | 8 43 | 1 18 |
| S 27 | 6 27 | 22 6 | 4 43 | 1 17 | 0n 9 | 3 5 | 1 14 | 25 34 | 2 25 | 14 29 | 1 16 | 7 9 | 2 17 | 12 40 | 0 43 | 22 12 | 1 11 | 3 29 | 16 19 | 20 27 | 20 35 | 4 43 | 8 44 | 1 18 |
| M28 | 6s 4 | 17s40 | 5s 0 | 0s21 | 0n21 | 2s34 | 1s12 | 25n36 | 2n25 | 14s29 | 1n17 | 7n11 | 2s16 | 12s39 | 0s43 | 22s12 | 1n11 | 3n30 | 16n19 | 20n25 | 20n35 | 4n40 | 8n45 | 1n18 |

Julian Day Number = 2085608.5, Delta T = 24m32s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'33, Lahiri = 9°53'34 Julian Calendar 1 Feb. 998 == Greg. Calendar 6 Feb. 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## MARCH 998 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 10 55 2 | 15♓41'06 | 11♓ 3 | 0♈ 6 | 27♓35 | 20♊23 | 12°R32 | 23♈57 | 28♒49 | 23♐ 4 | 0°R49 | 0°R33 | 1♊29 | 28♍56 | 19♈15 | T 1 |
| W 2 | 10 58 58 | 16°40'37 | 26°21 | 1°52 | 28°50 | 20°47 | 12♏31 | 24° 4 | 28°52 | 23° 5 | 0♏47 | 0♊22 | 1°26 | 29° 2 | 19°18 | W 2 |
| T 3 | 11 2 55 | 17°40'06 | 11♈35 | 3°35 | 0♈ 4 | 21°12 | 12°29 | 24°10 | 28°56 | 23° 5 | 0°46 | 0°13 | 1°22 | 29° 9 | 19°21 | T 3 |
| F 4 | 11 6 51 | 18°39'33 | 26°34 | 5°13 | 1°18 | 21°37 | 12°27 | 24°17 | 28°59 | 23° 6 | 0°45 | 0° 7 | 1°19 | 29°16 | 19°24 | F 4 |
| S 5 | 11 10 48 | 19°38'58 | 11♉12 | 6°48 | 2°33 | 22° 2 | 12°25 | 24°24 | 29° 2 | 23° 6 | 0°44 | 0° 3 | 1°16 | 29°23 | 19°28 | S 5 |
| S 6 | 11 14 45 | 20°38'20 | 25°23 | 8°17 | 3°47 | 22°28 | 12°23 | 24°31 | 29° 6 | 23° 7 | 0°43 | 0°D 2 | 1°13 | 29°29 | 19°31 | S 6 |
| M 7 | 11 18 41 | 21°37'40 | 9♊ 8 | 9°42 | 5° 1 | 22°53 | 12°21 | 24°38 | 29° 9 | 23° 7 | 0°42 | 0° 2 | 1°10 | 29°36 | 19°34 | M 7 |
| T 8 | 11 22 38 | 22°36'58 | 22°27 | 11° 1 | 6°16 | 23°19 | 12°18 | 24°45 | 29°12 | 23° 8 | 0°41 | 0°R 3 | 1° 6 | 29°43 | 19°38 | T 8 |
| W 9 | 11 26 34 | 23°36'13 | 5♋24 | 12°15 | 7°30 | 23°45 | 12°15 | 24°52 | 29°15 | 23° 8 | 0°39 | 0° 2 | 1° 3 | 29°49 | 19°41 | W 9 |
| T 10 | 11 30 31 | 24°35'26 | 18° 3 | 13°22 | 8°44 | 24°12 | 12°12 | 24°59 | 29°18 | 23° 8 | 0°38 | 29♉59 | 1° 0 | 29°56 | 19°45 | T 10 |
| F 11 | 11 34 27 | 25°34'37 | 0♌27 | 14°23 | 9°58 | 24°38 | 12° 9 | 25° 6 | 29°22 | 23° 9 | 0°37 | 29°54 | 0°57 | 0♎ 3 | 19°48 | F 11 |
| S 12 | 11 38 24 | 26°33'45 | 12°39 | 15°18 | 11°13 | 25° 5 | 12° 6 | 25°13 | 29°25 | 23° 9 | 0°36 | 29°47 | 0°54 | 0° 9 | 19°52 | S 12 |
| S 13 | 11 42 20 | 27°32'51 | 24°44 | 16° 5 | 12°27 | 25°32 | 12° 2 | 25°20 | 29°28 | 23° 9 | 0°34 | 29°37 | 0°51 | 0°16 | 19°55 | S 13 |
| M14 | 11 46 17 | 28°31'55 | 6♍43 | 16°46 | 13°41 | 25°59 | 11°59 | 25°27 | 29°31 | 23°10 | 0°33 | 29°25 | 0°47 | 0°23 | 19°58 | M14 |
| T 15 | 11 50 14 | 29°30'56 | 18°37 | 17°21 | 14°55 | 26°27 | 11°55 | 25°34 | 29°34 | 23°10 | 0°32 | 29°14 | 0°44 | 0°30 | 20° 2 | T 15 |
| W16 | 11 54 10 | 0♈29'55 | 0♎29 | 17°48 | 16° 9 | 26°54 | 11°51 | 25°42 | 29°37 | 23°10 | 0°30 | 29° 2 | 0°41 | 0°36 | 20° 6 | W16 |
| T 17 | 11 58 7 | 1°28'53 | 12°20 | 18° 8 | 17°23 | 27°22 | 11°47 | 25°49 | 29°40 | 23°10 | 0°29 | 28°53 | 0°38 | 0°43 | 20° 9 | T 17 |
| F 18 | 12 2 3 | 2°27'48 | 24°12 | 18°21 | 18°37 | 27°50 | 11°42 | 25°56 | 29°43 | 23°10 | 0°27 | 28°45 | 0°35 | 0°50 | 20°13 | F 18 |
| S 19 | 12 6 0 | 3°26'41 | 6♏ 7 | 18°R28 | 19°51 | 28°18 | 11°38 | 26° 4 | 29°46 | 23°10 | 0°26 | 28°40 | 0°32 | 0°56 | 20°16 | S 19 |
| S 20 | 12 9 56 | 4°25'32 | 18° 6 | 18°28 | 21° 5 | 28°46 | 11°33 | 26°11 | 29°49 | 23°R10 | 0°24 | 28°37 | 0°28 | 1° 3 | 20°20 | S 20 |
| M21 | 12 13 53 | 5°24'22 | 0♐14 | 18°21 | 22°19 | 29°14 | 11°28 | 26°18 | 29°52 | 23°10 | 0°23 | 28°D37 | 0°25 | 1°10 | 20°23 | M21 |
| T 22 | 12 17 49 | 6°23'10 | 12°35 | 18° 8 | 23°32 | 29°43 | 11°24 | 26°26 | 29°55 | 23°10 | 0°21 | 28°37 | 0°22 | 1°16 | 20°27 | T 22 |
| W23 | 12 21 46 | 7°21'56 | 25°11 | 17°50 | 24°46 | 0♋11 | 11°18 | 26°33 | 29°58 | 23°10 | 0°20 | 28°39 | 0°19 | 1°23 | 20°31 | W23 |
| T 24 | 12 25 43 | 8°20'40 | 8♑ 8 | 17°26 | 26° 0 | 0°40 | 11°13 | 26°41 | 0♓ 1 | 23°10 | 0°18 | 28°R39 | 0°16 | 1°30 | 20°34 | T 24 |
| F 25 | 12 29 39 | 9°19'23 | 21°30 | 16°57 | 27°14 | 1° 9 | 11° 8 | 26°48 | 0° 4 | 23°10 | 0°17 | 28°38 | 0°12 | 1°37 | 20°38 | F 25 |
| S 26 | 12 33 36 | 10°18'04 | 5♒19 | 16°24 | 28°28 | 1°38 | 11° 2 | 26°56 | 0° 7 | 23°10 | 0°15 | 28°36 | 0° 9 | 1°43 | 20°42 | S 26 |
| S 27 | 12 37 32 | 11°16'43 | 19°36 | 15°48 | 29°41 | 2° 8 | 10°57 | 27° 3 | 0°10 | 23°10 | 0°14 | 28°31 | 0° 6 | 1°50 | 20°45 | S 27 |
| M28 | 12 41 29 | 12°15'20 | 4♓18 | 15° 9 | 0♉55 | 2°37 | 10°51 | 27°11 | 0°12 | 23° 9 | 0°12 | 28°25 | 0° 3 | 1°57 | 20°49 | M28 |
| T 29 | 12 45 25 | 13°13'56 | 19°20 | 14°28 | 2° 9 | 3° 7 | 10°45 | 27°19 | 0°15 | 23° 9 | 0°11 | 28°18 | 29♉59 | 2° 3 | 20°53 | T 29 |
| W30 | 12 49 22 | 14°12'30 | 4♈34 | 13°46 | 3°22 | 3°37 | 10°39 | 27°26 | 0°18 | 23° 9 | 0° 9 | 28°12 | 29°57 | 2°10 | 20°56 | W30 |
| T 31 | 12 53 18 | 15♈11'01 | 19♈49 | 13♈ 3 | 4♉36 | 4♋ 6 | 10♏33 | 27♈34 | 0♓21 | 23♐ 8 | 0♏ 7 | 28♉ 6 | 29♉53 | 2♎17 | 21♈ 0 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 5s40 | 12s 1 | 4s56 | 0n33 | 0n34 | 2s 3 | 1s11 | 25n37 | 2n24 | 14s28 | 1n17 | 7n14 | 2s16 | 12s37 | 0s43 | 22s12 | 1n11 | 3n30 | 16n20 | 20n23 | 20n34 | 4n37 | 8n46 | 1n18 |
| W 2 | 5 17 | 5 36 | 4 31 | 1 27 | 0 46 | 1 32 | 1 10 | 25 38 | 2 23 | 14 27 | 1 17 | 7 16 | 2 16 | 12 36 | 0 43 | 22 12 | 1 11 | 3 31 | 16 20 | 20 20 | 20 34 | 4 34 | 8 47 | 1 18 |
| T 3 | 4 54 | 1n 8 | 3 47 | 2 20 | 0 59 | 1 1 | 1 8 | 25 38 | 2 22 | 14 27 | 1 17 | 7 19 | 2 16 | 12 35 | 0 43 | 22 12 | 1 11 | 3 32 | 16 21 | 20 19 | 20 33 | 4 31 | 8 49 | 1 17 |
| F 4 | 4 31 | 7 42 | 2 47 | 3 11 | 1 11 | 0 30 | 1 7 | 25 39 | 2 21 | 14 26 | 1 17 | 7 22 | 2 16 | 12 34 | 0 43 | 22 12 | 1 11 | 3 32 | 16 21 | 20 17 | 20 32 | 4 28 | 8 50 | 1 17 |
| S 5 | 4 7 | 13 43 | 1 38 | 4 0 | 1 24 | 0n 2 | 1 5 | 25 40 | 2 21 | 14 25 | 1 17 | 7 24 | 2 16 | 12 33 | 0 43 | 22 12 | 1 11 | 3 33 | 16 21 | 20 16 | 20 32 | 4 25 | 8 51 | 1 17 |
| S 6 | 3 44 | 18 49 | 0 25 | 4 47 | 1 36 | 0 33 | 1 3 | 25 41 | 2 20 | 14 24 | 1 17 | 7 27 | 2 16 | 12 32 | 0 43 | 22 12 | 1 11 | 3 34 | 16 22 | 20 16 | 20 31 | 4 22 | 8 52 | 1 17 |
| M 7 | 3 20 | 22 44 | 0n48 | 5 31 | 1 48 | 1 4 | 1 2 | 25 41 | 2 19 | 14 24 | 1 18 | 7 30 | 2 15 | 12 31 | 0 43 | 22 12 | 1 11 | 3 35 | 16 22 | 20 16 | 20 30 | 4 19 | 8 53 | 1 17 |
| T 8 | 2 57 | 25 17 | 1 56 | 6 13 | 2 0 | 1 35 | 1 0 | 25 42 | 2 18 | 14 23 | 1 18 | 7 32 | 2 15 | 12 29 | 0 43 | 22 12 | 1 11 | 3 35 | 16 22 | 20 16 | 20 30 | 4 15 | 8 54 | 1 17 |
| W 9 | 2 33 | 26 24 | 2 56 | 6 53 | 2 11 | 2 6 | 0 58 | 25 43 | 2 17 | 14 22 | 1 18 | 7 35 | 2 15 | 12 28 | 0 43 | 22 12 | 1 11 | 3 36 | 16 23 | 20 16 | 20 29 | 4 12 | 8 56 | 1 17 |
| T 10 | 2 10 | 26 5 | 3 46 | 7 29 | 2 22 | 2 37 | 0 56 | 25 43 | 2 17 | 14 21 | 1 18 | 7 38 | 2 15 | 12 27 | 0 43 | 22 12 | 1 11 | 3 37 | 16 23 | 20 16 | 20 28 | 4 9 | 8 57 | 1 17 |
| F 11 | 1 46 | 24 28 | 4 24 | 8 2 | 2 32 | 3 8 | 0 54 | 25 43 | 2 16 | 14 20 | 1 18 | 7 40 | 2 15 | 12 26 | 0 43 | 22 12 | 1 11 | 3 37 | 16 23 | 20 14 | 20 28 | 4 6 | 8 58 | 1 17 |
| S 12 | 1 22 | 21 44 | 4 50 | 8 32 | 2 41 | 3 39 | 0 52 | 25 44 | 2 15 | 14 18 | 1 18 | 7 43 | 2 15 | 12 25 | 0 43 | 22 12 | 1 11 | 3 38 | 16 23 | 20 13 | 20 27 | 4 3 | 8 59 | 1 17 |
| S 13 | 0 59 | 18 5 | 5 2 | 8 58 | 2 50 | 4 10 | 0 51 | 25 44 | 2 14 | 14 17 | 1 18 | 7 46 | 2 15 | 12 24 | 0 43 | 22 12 | 1 11 | 3 39 | 16 24 | 20 11 | 20 26 | 4 0 | 9 0 | 1 16 |
| M14 | 0 35 | 13 45 | 5 1 | 9 21 | 2 57 | 4 41 | 0 49 | 25 44 | 2 14 | 14 16 | 1 19 | 7 49 | 2 14 | 12 23 | 0 43 | 22 12 | 1 11 | 3 39 | 16 24 | 20 8 | 20 26 | 3 57 | 9 2 | 1 16 |
| T 15 | 0 12 | 8 54 | 4 46 | 9 40 | 3 4 | 5 12 | 0 46 | 25 44 | 2 13 | 14 15 | 1 19 | 7 51 | 2 14 | 12 22 | 0 43 | 22 12 | 1 11 | 3 40 | 16 24 | 20 6 | 20 25 | 3 54 | 9 3 | 1 16 |
| W16 | 0n12 | 3 46 | 4 19 | 9 55 | 3 9 | 5 42 | 0 44 | 25 44 | 2 12 | 14 13 | 1 19 | 7 54 | 2 14 | 12 21 | 0 44 | 22 12 | 1 11 | 3 41 | 16 24 | 20 3 | 20 24 | 3 51 | 9 4 | 1 16 |
| T 17 | 0 36 | 1s31 | 3 41 | 10 7 | 3 13 | 6 13 | 0 42 | 25 44 | 2 11 | 14 12 | 1 19 | 7 57 | 2 14 | 12 20 | 0 44 | 22 12 | 1 11 | 3 42 | 16 25 | 20 1 | 20 24 | 3 48 | 9 5 | 1 16 |
| F 18 | 0 59 | 6 45 | 2 53 | 10 15 | 3 16 | 6 43 | 0 40 | 25 44 | 2 10 | 14 11 | 1 19 | 8 0 | 2 14 | 12 19 | 0 44 | 22 12 | 1 11 | 3 42 | 16 25 | 19 59 | 20 23 | 3 45 | 9 7 | 1 16 |
| S 19 | 1 23 | 11 47 | 1 58 | 10 18 | 3 17 | 7 13 | 0 38 | 25 43 | 2 10 | 14 9 | 1 19 | 8 2 | 2 14 | 12 18 | 0 44 | 22 12 | 1 11 | 3 43 | 16 25 | 19 58 | 20 22 | 3 42 | 9 8 | 1 16 |
| S 20 | 1 46 | 16 25 | 0 56 | 10 18 | 3 17 | 7 43 | 0 36 | 25 43 | 2 9 | 14 8 | 1 19 | 8 5 | 2 14 | 12 17 | 0 44 | 22 12 | 1 12 | 3 44 | 16 25 | 19 58 | 20 22 | 3 39 | 9 9 | 1 16 |
| M21 | 2 10 | 20 27 | 0s 9 | 10 14 | 3 16 | 8 13 | 0 33 | 25 42 | 2 8 | 14 6 | 1 19 | 8 8 | 2 14 | 12 15 | 0 44 | 22 12 | 1 12 | 3 44 | 16 26 | 19 58 | 20 21 | 3 35 | 9 11 | 1 16 |
| T 22 | 2 33 | 23 40 | 1 14 | 10 7 | 3 13 | 8 43 | 0 31 | 25 42 | 2 7 | 14 4 | 1 19 | 8 11 | 2 14 | 12 14 | 0 44 | 22 12 | 1 12 | 3 45 | 16 26 | 19 58 | 20 20 | 3 32 | 9 12 | 1 16 |
| W23 | 2 56 | 25 47 | 2 18 | 9 55 | 3 8 | 9 12 | 0 29 | 25 41 | 2 7 | 14 3 | 1 19 | 8 14 | 2 13 | 12 13 | 0 44 | 22 12 | 1 12 | 3 46 | 16 26 | 19 58 | 20 20 | 3 29 | 9 13 | 1 16 |
| T 24 | 3 20 | 26 35 | 3 16 | 9 41 | 3 2 | 9 41 | 0 26 | 25 40 | 2 6 | 14 1 | 1 20 | 8 16 | 2 13 | 12 12 | 0 44 | 22 12 | 1 12 | 3 46 | 16 26 | 19 58 | 20 19 | 3 26 | 9 15 | 1 16 |
| F 25 | 3 43 | 25 53 | 4 6 | 9 23 | 2 54 | 10 10 | 0 24 | 25 39 | 2 5 | 13 59 | 1 20 | 8 19 | 2 13 | 12 11 | 0 44 | 22 12 | 1 12 | 3 47 | 16 26 | 19 58 | 20 18 | 3 23 | 9 16 | 1 15 |
| S 26 | 4 6 | 23 37 | 4 43 | 9 2 | 2 45 | 10 39 | 0 21 | 25 38 | 2 5 | 13 58 | 1 20 | 8 22 | 2 13 | 12 10 | 0 44 | 22 12 | 1 12 | 3 48 | 16 27 | 19 57 | 20 18 | 3 20 | 9 17 | 1 15 |
| S 27 | 4 29 | 19 50 | 5 4 | 8 38 | 2 35 | 11 8 | 0 19 | 25 37 | 2 4 | 13 56 | 1 20 | 8 25 | 2 13 | 12 10 | 0 44 | 22 12 | 1 12 | 3 48 | 16 27 | 19 56 | 20 17 | 3 17 | 9 18 | 1 15 |
| M28 | 4 52 | 14 44 | 5 6 | 8 12 | 2 23 | 11 36 | 0 16 | 25 36 | 2 3 | 13 54 | 1 20 | 8 28 | 2 13 | 12 9 | 0 44 | 22 12 | 1 12 | 3 49 | 16 27 | 19 55 | 20 16 | 3 14 | 9 20 | 1 15 |
| T 29 | 5 15 | 8 39 | 4 48 | 7 44 | 2 10 | 12 4 | 0 14 | 25 34 | 2 2 | 13 52 | 1 20 | 8 30 | 2 13 | 12 8 | 0 44 | 22 12 | 1 12 | 3 50 | 16 27 | 19 54 | 20 16 | 3 11 | 9 21 | 1 15 |
| W30 | 5 38 | 1 59 | 4 9 | 7 15 | 1 56 | 12 32 | 0 11 | 25 33 | 2 2 | 13 50 | 1 20 | 8 33 | 2 13 | 12 7 | 0 44 | 22 12 | 1 12 | 3 50 | 16 27 | 19 52 | 20 15 | 3 8 | 9 22 | 1 15 |
| T 31 | 6n 1 | 4n50 | 3s12 | 6n44 | 1n41 | 12n59 | 0s 9 | 25n31 | 2n 1 | 13s48 | 1n20 | 8n36 | 2s13 | 12s 6 | 0s44 | 22s12 | 1n12 | 3n51 | 16n27 | 19n51 | 20n14 | 3n 4 | 9n24 | 1n15 |

Julian Day Number = 2085636.5, Delta T = 24m32s
Ecliptic obliquity = 23°34'14, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'37, Lahiri = 9°53'38 Julian Calendar 1 March 998 == Greg. Calendar 6 March 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## APRIL 998 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 12 57 15 | 16♈ 9'31 | 4♉54 | 12°R21 | 5♉50 | 4♋36 | 10°R26 | 27♈42 | 0♓23 | 23°R 8 | 0°R 6 | 28°R 2 | 29♉50 | 2♎24 | 21♈ 4 | F 1 |
| S 2 | 13 1 11 | 17° 7'59 | 19°41 | 11♈40 | 7° 3 | 5° 7 | 10♏20 | 27°49 | 0°26 | 23♐ 8 | 0♏ 4 | 28♉ 1 | 29°47 | 2°30 | 21° 7 | S 2 |
| S 3 | 13 5 8 | 18° 6'25 | 4♊ 3 | 11° 1 | 8°17 | 5°37 | 10°14 | 27°57 | 0°28 | 23° 7 | 0° 3 | 28°D 0 | 29°44 | 2°37 | 21°11 | S 3 |
| M 4 | 13 9 5 | 19° 4'49 | 17°59 | 10°24 | 9°30 | 6° 7 | 10° 7 | 28° 5 | 0°31 | 23° 7 | 0° 1 | 28° 1 | 29°41 | 2°44 | 21°15 | M 4 |
| T 5 | 13 13 1 | 20° 3'11 | 1♋26 | 9°50 | 10°44 | 6°38 | 10° 0 | 28°12 | 0°34 | 23° 6 | 29♎59 | 28° 3 | 29°38 | 2°50 | 21°18 | T 5 |
| W 6 | 13 16 58 | 21° 1'30 | 14°29 | 9°20 | 11°57 | 7° 9 | 9°54 | 28°20 | 0°36 | 23° 6 | 29°58 | 28° 4 | 29°34 | 2°57 | 21°22 | W 6 |
| T 7 | 13 20 54 | 21°59'48 | 27°10 | 8°53 | 13°10 | 7°39 | 9°47 | 28°28 | 0°38 | 23° 5 | 29°56 | 28°R 4 | 29°31 | 3° 4 | 21°26 | T 7 |
| F 8 | 13 24 51 | 22°58'03 | 9♌33 | 8°31 | 14°24 | 8°10 | 9°40 | 28°35 | 0°41 | 23° 5 | 29°54 | 28° 3 | 29°28 | 3°10 | 21°30 | F 8 |
| S 9 | 13 28 47 | 23°56'16 | 21°42 | 8°14 | 15°37 | 8°41 | 9°33 | 28°43 | 0°43 | 23° 4 | 29°53 | 28° 0 | 29°25 | 3°17 | 21°33 | S 9 |
| S 10 | 13 32 44 | 24°54'27 | 3♍42 | 8° 1 | 16°50 | 9°12 | 9°26 | 28°51 | 0°46 | 23° 3 | 29°51 | 27°55 | 29°22 | 3°24 | 21°37 | S 10 |
| M11 | 13 36 40 | 25°52'36 | 15°36 | 7°52 | 18° 3 | 9°44 | 9°18 | 28°59 | 0°48 | 23° 3 | 29°49 | 27°50 | 29°18 | 3°31 | 21°41 | M11 |
| T 12 | 13 40 37 | 26°50'43 | 27°28 | 7°D49 | 19°17 | 10°15 | 9°11 | 29° 6 | 0°50 | 23° 2 | 29°48 | 27°45 | 29°15 | 3°37 | 21°44 | T 12 |
| W13 | 13 44 34 | 27°48'49 | 9♎18 | 7°50 | 20°30 | 10°46 | 9° 4 | 29°14 | 0°52 | 23° 1 | 29°46 | 27°39 | 29°12 | 3°44 | 21°48 | W13 |
| T 14 | 13 48 30 | 28°46'52 | 21°11 | 7°57 | 21°43 | 11°18 | 8°56 | 29°22 | 0°55 | 23° 1 | 29°44 | 27°35 | 29° 9 | 3°51 | 21°52 | T 14 |
| F 15 | 13 52 27 | 29°44'54 | 3♏ 8 | 8° 8 | 22°56 | 11°50 | 8°49 | 29°30 | 0°57 | 23° 0 | 29°43 | 27°31 | 29° 6 | 3°57 | 21°55 | F 15 |
| S 16 | 13 56 23 | 0♉42'54 | 15°10 | 8°23 | 24° 9 | 12°21 | 8°42 | 29°37 | 0°59 | 22°59 | 29°41 | 27°29 | 29° 3 | 4° 4 | 21°59 | S 16 |
| S 17 | 14 0 20 | 1°40'52 | 27°20 | 8°43 | 25°22 | 12°53 | 8°34 | 29°45 | 1° 1 | 22°58 | 29°39 | 27°D29 | 28°59 | 4°11 | 22° 3 | S 17 |
| M18 | 14 4 16 | 2°38'49 | 9♐39 | 9° 8 | 26°35 | 13°25 | 8°26 | 29°53 | 1° 3 | 22°57 | 29°37 | 27°29 | 28°56 | 4°17 | 22° 6 | M18 |
| T 19 | 14 8 13 | 3°36'45 | 22°10 | 9°36 | 27°48 | 13°57 | 8°19 | 0♉ 1 | 1° 5 | 22°56 | 29°36 | 27°30 | 28°53 | 4°24 | 22°10 | T 19 |
| W20 | 14 12 9 | 4°34'39 | 4♑55 | 10° 9 | 29° 1 | 14°29 | 8°11 | 0° 8 | 1° 7 | 22°56 | 29°34 | 27°32 | 28°50 | 4°31 | 22°14 | W20 |
| T 21 | 14 16 6 | 5°32'32 | 17°58 | 10°46 | 0♊14 | 15° 1 | 8° 4 | 0°16 | 1° 9 | 22°55 | 29°32 | 27°33 | 28°47 | 4°37 | 22°17 | T 21 |
| F 22 | 14 20 3 | 6°30'24 | 1♒20 | 11°27 | 1°26 | 15°34 | 7°56 | 0°24 | 1°11 | 22°54 | 29°31 | 27°R34 | 28°43 | 4°44 | 22°21 | F 22 |
| S 23 | 14 23 59 | 7°28'14 | 15° 4 | 12°11 | 2°39 | 16° 6 | 7°48 | 0°32 | 1°13 | 22°53 | 29°29 | 27°34 | 28°40 | 4°51 | 22°25 | S 23 |
| S 24 | 14 27 56 | 8°26'04 | 29° 9 | 12°59 | 3°52 | 16°39 | 7°41 | 0°39 | 1°15 | 22°52 | 29°27 | 27°33 | 28°37 | 4°58 | 22°28 | S 24 |
| M25 | 14 31 52 | 9°23'52 | 13♓35 | 13°50 | 5° 5 | 17°11 | 7°33 | 0°47 | 1°16 | 22°51 | 29°26 | 27°31 | 28°34 | 5° 4 | 22°32 | M25 |
| T 26 | 14 35 49 | 10°21'38 | 28°19 | 14°45 | 6°17 | 17°44 | 7°25 | 0°55 | 1°18 | 22°50 | 29°24 | 27°29 | 28°31 | 5°11 | 22°35 | T 26 |
| W27 | 14 39 45 | 11°19'24 | 13♈14 | 15°43 | 7°30 | 18°17 | 7°18 | 1° 2 | 1°20 | 22°48 | 29°22 | 27°27 | 28°28 | 5°18 | 22°39 | W27 |
| T 28 | 14 43 42 | 12°17'08 | 28°13 | 16°44 | 8°43 | 18°50 | 7°10 | 1°10 | 1°21 | 22°47 | 29°21 | 27°26 | 28°24 | 5°24 | 22°43 | T 28 |
| F 29 | 14 47 38 | 13°14'51 | 13♉ 8 | 17°48 | 9°55 | 19°22 | 7° 3 | 1°18 | 1°23 | 22°46 | 29°19 | 27°25 | 28°21 | 5°31 | 22°46 | F 29 |
| S 30 | 14 51 35 | 14♉12'33 | 27♉49 | 18♈55 | 11♊ 8 | 19♋55 | 6♏55 | 1♉25 | 1♓24 | 22♐45 | 29♎18 | 27°D24 | 28♉18 | 5♎38 | 22♈50 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n23 | 11n19 | 2s 2 | 6n13 | 1n26 | 13n26 | 0s 6 | 25n30 | 2n 0 | 13s46 | 1n20 | 8n39 | 2s13 | 12s 5 | 0s44 | 22s12 | 1n12 | 3n52 | 16n27 | 19n50 | 20n14 | 3n 1 | 9n25 | 1n15 |
| S 2 | 6 46 | 17 2 | 0 45 | 5 42 | 1 10 | 13 53 | 0 4 | 25 28 | 2 0 | 13 44 | 1 20 | 8 42 | 2 13 | 12 4 | 0 44 | 22 12 | 1 12 | 3 52 | 16 27 | 19 49 | 20 13 | 2 58 | 9 26 | 1 15 |
| S 3 | 7 8 | 21 37 | 0n33 | 5 12 | 0 53 | 14 20 | 0 1 | 25 26 | 1 59 | 13 42 | 1 20 | 8 44 | 2 13 | 12 3 | 0 44 | 22 12 | 1 12 | 3 53 | 16 27 | 19 49 | 20 12 | 2 55 | 9 28 | 1 15 |
| M 4 | 7 31 | 24 47 | 1 46 | 4 42 | 0 36 | 14 46 | 0n 2 | 25 24 | 1 58 | 13 40 | 1 20 | 8 47 | 2 12 | 12 2 | 0 44 | 22 12 | 1 12 | 3 53 | 16 28 | 19 50 | 20 12 | 2 52 | 9 29 | 1 15 |
| T 5 | 7 53 | 26 25 | 2 52 | 4 13 | 0 19 | 15 11 | 0 4 | 25 21 | 1 57 | 13 38 | 1 20 | 8 50 | 2 12 | 12 1 | 0 44 | 22 11 | 1 12 | 3 54 | 16 28 | 19 50 | 20 11 | 2 49 | 9 30 | 1 15 |
| W 6 | 8 15 | 26 31 | 3 46 | 3 45 | 0 3 | 15 37 | 0 7 | 25 19 | 1 57 | 13 36 | 1 20 | 8 53 | 2 12 | 12 0 | 0 44 | 22 11 | 1 12 | 3 55 | 16 28 | 19 50 | 20 10 | 2 46 | 9 32 | 1 15 |
| T 7 | 8 37 | 25 13 | 4 27 | 3 20 | 0s14 | 16 2 | 0 10 | 25 17 | 1 56 | 13 33 | 1 20 | 8 56 | 2 12 | 12 0 | 0 44 | 22 11 | 1 12 | 3 55 | 16 28 | 19 50 | 20 9 | 2 43 | 9 33 | 1 15 |
| F 8 | 8 59 | 22 42 | 4 55 | 2 56 | 0 30 | 16 26 | 0 12 | 25 14 | 1 55 | 13 31 | 1 20 | 8 58 | 2 12 | 11 59 | 0 44 | 22 11 | 1 12 | 3 56 | 16 28 | 19 50 | 20 9 | 2 40 | 9 34 | 1 14 |
| S 9 | 9 20 | 19 13 | 5 10 | 2 35 | 0 45 | 16 51 | 0 15 | 25 11 | 1 55 | 13 29 | 1 20 | 9 1 | 2 12 | 11 58 | 0 44 | 22 11 | 1 12 | 3 56 | 16 28 | 19 49 | 20 8 | 2 36 | 9 36 | 1 14 |
| S 10 | 9 42 | 15 0 | 5 10 | 2 16 | 1 0 | 17 14 | 0 18 | 25 9 | 1 54 | 13 27 | 1 20 | 9 4 | 2 12 | 11 57 | 0 44 | 22 11 | 1 12 | 3 57 | 16 28 | 19 48 | 20 7 | 2 33 | 9 37 | 1 14 |
| M11 | 10 3 | 10 15 | 4 57 | 2 0 | 1 15 | 17 38 | 0 20 | 25 6 | 1 53 | 13 24 | 1 20 | 9 7 | 2 12 | 11 56 | 0 44 | 22 11 | 1 12 | 3 58 | 16 28 | 19 47 | 20 7 | 2 30 | 9 38 | 1 14 |
| T 12 | 10 24 | 5 9 | 4 31 | 1 46 | 1 28 | 18 0 | 0 23 | 25 3 | 1 53 | 13 22 | 1 20 | 9 9 | 2 12 | 11 55 | 0 44 | 22 11 | 1 12 | 3 58 | 16 28 | 19 46 | 20 6 | 2 27 | 9 40 | 1 14 |
| W13 | 10 45 | 0s 8 | 3 53 | 1 35 | 1 41 | 18 23 | 0 26 | 24 59 | 1 52 | 13 20 | 1 20 | 9 12 | 2 12 | 11 55 | 0 44 | 22 11 | 1 12 | 3 59 | 16 28 | 19 45 | 20 5 | 2 24 | 9 41 | 1 14 |
| T 14 | 11 6 | 5 26 | 3 6 | 1 26 | 1 53 | 18 45 | 0 28 | 24 56 | 1 51 | 13 17 | 1 20 | 9 15 | 2 12 | 11 54 | 0 44 | 22 11 | 1 12 | 3 59 | 16 28 | 19 44 | 20 5 | 2 21 | 9 42 | 1 14 |
| F 15 | 11 27 | 10 36 | 2 10 | 1 20 | 2 4 | 19 6 | 0 31 | 24 53 | 1 51 | 13 15 | 1 20 | 9 18 | 2 12 | 11 53 | 0 44 | 22 11 | 1 12 | 4 0 | 16 28 | 19 43 | 20 4 | 2 18 | 9 44 | 1 14 |
| S 16 | 11 47 | 15 24 | 1 7 | 1 17 | 2 15 | 19 27 | 0 34 | 24 49 | 1 50 | 13 13 | 1 20 | 9 21 | 2 12 | 11 52 | 0 44 | 22 11 | 1 12 | 4 0 | 16 28 | 19 42 | 20 3 | 2 15 | 9 45 | 1 14 |
| S 17 | 12 7 | 19 39 | 0 1 | 1 16 | 2 24 | 19 48 | 0 36 | 24 45 | 1 49 | 13 10 | 1 20 | 9 23 | 2 12 | 11 52 | 0 44 | 22 11 | 1 12 | 4 1 | 16 28 | 19 42 | 20 3 | 2 11 | 9 46 | 1 14 |
| M18 | 12 27 | 23 7 | 1s 6 | 1 18 | 2 33 | 20 8 | 0 39 | 24 41 | 1 49 | 13 8 | 1 20 | 9 26 | 2 12 | 11 51 | 0 44 | 22 11 | 1 12 | 4 1 | 16 28 | 19 42 | 20 2 | 2 8 | 9 48 | 1 14 |
| T 19 | 12 47 | 25 32 | 2 12 | 1 22 | 2 40 | 20 27 | 0 41 | 24 37 | 1 48 | 13 6 | 1 20 | 9 29 | 2 12 | 11 50 | 0 44 | 22 11 | 1 12 | 4 2 | 16 27 | 19 43 | 20 1 | 2 5 | 9 49 | 1 14 |
| W20 | 13 7 | 26 40 | 3 12 | 1 29 | 2 47 | 20 46 | 0 44 | 24 33 | 1 47 | 13 3 | 1 20 | 9 31 | 2 12 | 11 50 | 0 44 | 22 11 | 1 12 | 4 2 | 16 27 | 19 43 | 20 0 | 2 2 | 9 50 | 1 14 |
| T 21 | 13 26 | 26 22 | 4 3 | 1 38 | 2 53 | 21 4 | 0 47 | 24 29 | 1 47 | 13 1 | 1 20 | 9 34 | 2 12 | 11 49 | 0 44 | 22 10 | 1 12 | 4 3 | 16 27 | 19 43 | 20 0 | 1 59 | 9 52 | 1 14 |
| F 22 | 13 46 | 24 34 | 4 43 | 1 49 | 2 58 | 21 22 | 0 49 | 24 25 | 1 46 | 12 58 | 1 20 | 9 37 | 2 12 | 11 48 | 0 45 | 22 10 | 1 12 | 4 3 | 16 27 | 19 44 | 19 59 | 1 56 | 9 53 | 1 14 |
| S 23 | 14 5 | 21 18 | 5 8 | 2 2 | 3 3 | 21 39 | 0 52 | 24 20 | 1 45 | 12 56 | 1 20 | 9 40 | 2 12 | 11 48 | 0 45 | 22 10 | 1 12 | 4 4 | 16 27 | 19 43 | 19 58 | 1 53 | 9 54 | 1 14 |
| S 24 | 14 24 | 16 45 | 5 15 | 2 18 | 3 6 | 21 55 | 0 54 | 24 15 | 1 45 | 12 54 | 1 20 | 9 42 | 2 12 | 11 47 | 0 45 | 22 10 | 1 12 | 4 4 | 16 27 | 19 43 | 19 58 | 1 49 | 9 56 | 1 14 |
| M25 | 14 42 | 11 8 | 5 3 | 2 35 | 3 9 | 22 11 | 0 57 | 24 11 | 1 44 | 12 51 | 1 20 | 9 45 | 2 12 | 11 47 | 0 45 | 22 10 | 1 12 | 4 5 | 16 27 | 19 43 | 19 57 | 1 46 | 9 57 | 1 14 |
| T 26 | 15 0 | 4 49 | 4 31 | 2 54 | 3 11 | 22 27 | 0 59 | 24 6 | 1 43 | 12 49 | 1 19 | 9 48 | 2 12 | 11 46 | 0 45 | 22 10 | 1 12 | 4 5 | 16 27 | 19 42 | 19 56 | 1 43 | 9 58 | 1 13 |
| W27 | 15 19 | 1n52 | 3 40 | 3 16 | 3 13 | 22 41 | 1 1 | 24 1 | 1 43 | 12 46 | 1 19 | 9 50 | 2 12 | 11 45 | 0 45 | 22 10 | 1 13 | 4 5 | 16 27 | 19 42 | 19 56 | 1 40 | 10 0 | 1 13 |
| T 28 | 15 36 | 8 30 | 2 34 | 3 38 | 3 13 | 22 56 | 1 4 | 23 55 | 1 42 | 12 44 | 1 19 | 9 53 | 2 12 | 11 45 | 0 45 | 22 10 | 1 13 | 4 6 | 16 26 | 19 42 | 19 55 | 1 37 | 10 1 | 1 13 |
| F 29 | 15 54 | 14 37 | 1 18 | 4 3 | 3 13 | 23 9 | 1 6 | 23 50 | 1 41 | 12 42 | 1 19 | 9 56 | 2 12 | 11 44 | 0 45 | 22 10 | 1 13 | 4 6 | 16 26 | 19 41 | 19 54 | 1 34 | 10 2 | 1 13 |
| S 30 | 16n11 | 19n49 | 0n 2 | 4n29 | 3s12 | 23n22 | 1n 9 | 23n45 | 1n41 | 12s39 | 1n19 | 9n58 | 2s12 | 11s44 | 0s45 | 22s10 | 1n13 | 4n 7 | 16n26 | 19n41 | 19n53 | 1n31 | 10n 3 | 1n13 |

Julian Day Number = 2085667.5, Delta T = 24m32s
Ecliptic obliquity = 23°34'14, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'41, Lahiri = 9°53'42 Julian Calendar 1 Apr. 998 == Greg. Calendar 6 Apr. 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## MAY 998 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 14 55 32 | 15♉10'13 | 12♊12 | 20♈ 5 | 12♊20 | 20♋29 | 6°R48 | 1♉33 | 1♓26 | 22°R44 | 29°R16 | 27♉25 | 28♉15 | 5♎44 | 22♈53 | S 1 |
| M 2 | 14 59 28 | 16° 7'52 | 26°11 | 21°17 | 13°33 | 21° 2 | 6♏40 | 1°41 | 1°27 | 22♐43 | 29♎14 | 27°25 | 28°12 | 5°51 | 22°57 | M 2 |
| T 3 | 15 3 25 | 17° 5'29 | 9♋45 | 22°33 | 14°45 | 21°35 | 6°33 | 1°48 | 1°29 | 22°41 | 29°13 | 27°26 | 28° 9 | 5°58 | 23° 0 | T 3 |
| W 4 | 15 7 21 | 18° 3'05 | 22°53 | 23°51 | 15°57 | 22° 8 | 6°25 | 1°56 | 1°30 | 22°40 | 29°11 | 27°27 | 28° 5 | 6° 5 | 23° 4 | W 4 |
| T 5 | 15 11 18 | 19° 0'40 | 5♌39 | 25°11 | 17°10 | 22°42 | 6°18 | 2° 3 | 1°32 | 22°39 | 29°10 | 27°28 | 28° 2 | 6°11 | 23° 7 | T 5 |
| F 6 | 15 15 14 | 19°58'13 | 18° 5 | 26°35 | 18°22 | 23°15 | 6°11 | 2°11 | 1°33 | 22°38 | 29° 8 | 27°R28 | 27°59 | 6°18 | 23°10 | F 6 |
| S 7 | 15 19 11 | 20°55'44 | 0♍16 | 28° 0 | 19°34 | 23°49 | 6° 3 | 2°18 | 1°34 | 22°36 | 29° 7 | 27°28 | 27°56 | 6°25 | 23°14 | S 7 |
| S 8 | 15 23 7 | 21°53'14 | 12°16 | 29°29 | 20°46 | 24°23 | 5°56 | 2°26 | 1°35 | 22°35 | 29° 5 | 27°27 | 27°53 | 6°31 | 23°17 | S 8 |
| M 9 | 15 27 4 | 22°50'43 | 24° 9 | 0♉59 | 21°59 | 24°56 | 5°49 | 2°33 | 1°36 | 22°34 | 29° 3 | 27°27 | 27°49 | 6°38 | 23°21 | M 9 |
| T 10 | 15 31 1 | 23°48'10 | 6♎ 0 | 2°33 | 23°11 | 25°30 | 5°42 | 2°41 | 1°37 | 22°32 | 29° 2 | 27°26 | 27°46 | 6°45 | 23°24 | T 10 |
| W11 | 15 34 57 | 24°45'36 | 17°52 | 4° 8 | 24°23 | 26° 4 | 5°35 | 2°48 | 1°38 | 22°31 | 29° 0 | 27°26 | 27°43 | 6°51 | 23°27 | W11 |
| T 12 | 15 38 54 | 25°43'01 | 29°48 | 5°47 | 25°35 | 26°38 | 5°29 | 2°56 | 1°39 | 22°30 | 28°59 | 27°26 | 27°40 | 6°58 | 23°30 | T 12 |
| F 13 | 15 42 50 | 26°40'25 | 11♏52 | 7°27 | 26°47 | 27°12 | 5°22 | 3° 3 | 1°40 | 22°28 | 28°58 | 27°26 | 27°37 | 7° 5 | 23°34 | F 13 |
| S 14 | 15 46 47 | 27°37'48 | 24° 4 | 9°10 | 27°59 | 27°46 | 5°15 | 3°10 | 1°41 | 22°27 | 28°56 | 27°26 | 27°34 | 7°11 | 23°37 | S 14 |
| S 15 | 15 50 43 | 28°35'09 | 6♐28 | 10°56 | 29°10 | 28°20 | 5° 9 | 3°18 | 1°42 | 22°25 | 28°55 | 27°26 | 27°30 | 7°18 | 23°40 | S 15 |
| M16 | 15 54 40 | 29°32'30 | 19° 5 | 12°44 | 0♋22 | 28°54 | 5° 2 | 3°25 | 1°43 | 22°24 | 28°53 | 27°26 | 27°27 | 7°25 | 23°43 | M16 |
| T 17 | 15 58 36 | 0♊29'51 | 1♑54 | 14°34 | 1°34 | 29°28 | 4°56 | 3°32 | 1°44 | 22°22 | 28°52 | 27°25 | 27°24 | 7°32 | 23°46 | T 17 |
| W18 | 16 2 33 | 1°27'10 | 14°57 | 16°27 | 2°46 | 0♌ 3 | 4°50 | 3°39 | 1°44 | 22°21 | 28°51 | 27°25 | 27°21 | 7°38 | 23°50 | W18 |
| T 19 | 16 6 30 | 2°24'29 | 28°15 | 18°22 | 3°57 | 0°37 | 4°44 | 3°46 | 1°45 | 22°19 | 28°49 | 27°24 | 27°18 | 7°45 | 23°53 | T 19 |
| F 20 | 16 10 26 | 3°21'48 | 11♒48 | 20°20 | 5° 9 | 1°12 | 4°38 | 3°54 | 1°46 | 22°18 | 28°48 | 27°24 | 27°15 | 7°52 | 23°56 | F 20 |
| S 21 | 16 14 23 | 4°19'06 | 25°35 | 22°19 | 6°20 | 1°46 | 4°32 | 4° 1 | 1°46 | 22°16 | 28°47 | 27°23 | 27°11 | 7°58 | 23°59 | S 21 |
| S 22 | 16 18 19 | 5°16'23 | 9♓36 | 24°21 | 7°32 | 2°21 | 4°26 | 4° 8 | 1°47 | 22°15 | 28°45 | 27°D23 | 27° 8 | 8° 5 | 24° 2 | S 22 |
| M23 | 16 22 16 | 6°13'40 | 23°50 | 26°24 | 8°43 | 2°55 | 4°21 | 4°15 | 1°47 | 22°13 | 28°44 | 27°24 | 27° 5 | 8°12 | 24° 5 | M23 |
| T 24 | 16 26 12 | 7°10'56 | 8♈14 | 28°29 | 9°55 | 3°30 | 4°15 | 4°22 | 1°48 | 22°12 | 28°43 | 27°24 | 27° 2 | 8°18 | 24° 8 | T 24 |
| W25 | 16 30 9 | 8° 8'13 | 22°46 | 0♊36 | 11° 6 | 4° 5 | 4°10 | 4°29 | 1°48 | 22°10 | 28°42 | 27°25 | 26°59 | 8°25 | 24°11 | W25 |
| T 26 | 16 34 5 | 9° 5'29 | 7♉20 | 2°45 | 12°17 | 4°39 | 4° 5 | 4°35 | 1°48 | 22° 9 | 28°41 | 27°26 | 26°55 | 8°32 | 24°13 | T 26 |
| F 27 | 16 38 2 | 10° 2'44 | 21°52 | 4°54 | 13°29 | 5°14 | 4° 0 | 4°42 | 1°49 | 22° 7 | 28°39 | 27°R26 | 26°52 | 8°38 | 24°16 | F 27 |
| S 28 | 16 41 59 | 10°59'59 | 6♊15 | 7° 5 | 14°40 | 5°49 | 3°55 | 4°49 | 1°49 | 22° 6 | 28°38 | 27°26 | 26°49 | 8°45 | 24°19 | S 28 |
| S 29 | 16 45 55 | 11°57'14 | 20°24 | 9°16 | 15°51 | 6°24 | 3°50 | 4°56 | 1°49 | 22° 4 | 28°37 | 27°26 | 26°46 | 8°52 | 24°22 | S 29 |
| M30 | 16 49 52 | 12°54'28 | 4♋16 | 11°27 | 17° 2 | 6°59 | 3°46 | 5° 3 | 1°49 | 22° 2 | 28°36 | 27°24 | 26°43 | 8°59 | 24°25 | M30 |
| T 31 | 16 53 48 | 13♊51'42 | 17♋47 | 13♊39 | 18♋13 | 7♌35 | 3♏41 | 5♉ 9 | 1♓49 | 22♐ 1 | 28♎35 | 27♉22 | 26♉40 | 9♎ 5 | 24♈27 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 16n28 | 23n43 | 1n21 | 4n57 | 3s11 | 23n34 | 1n11 | 23n39 | 1n40 | 12s37 | 1n19 | 10n 1 | 2s12 | 11s43 | 0s45 | 22s10 | 1n13 | 4n 7 | 16n26 | 19n41 | 19n53 | 1n27 | 10n 5 | 1n13 |
| M 2 | 16 45 | 26 4 | 2 33 | 5 26 | 3 8 | 23 46 | 1 13 | 23 33 | 1 40 | 12 35 | 1 19 | 10 3 | 2 12 | 11 43 | 0 45 | 22 10 | 1 13 | 4 7 | 16 26 | 19 41 | 19 52 | 1 24 | 10 6 | 1 13 |
| T 3 | 17 2 | 26 46 | 3 34 | 5 57 | 3 6 | 23 56 | 1 15 | 23 27 | 1 39 | 12 32 | 1 19 | 10 6 | 2 12 | 11 42 | 0 45 | 22 10 | 1 13 | 4 8 | 16 25 | 19 42 | 19 51 | 1 21 | 10 7 | 1 13 |
| W 4 | 17 18 | 25 54 | 4 21 | 6 29 | 3 2 | 24 7 | 1 18 | 23 21 | 1 38 | 12 30 | 1 19 | 10 9 | 2 12 | 11 42 | 0 45 | 22 9 | 1 13 | 4 8 | 16 25 | 19 42 | 19 51 | 1 18 | 10 9 | 1 13 |
| T 5 | 17 34 | 23 43 | 4 54 | 7 2 | 2 58 | 24 16 | 1 20 | 23 15 | 1 38 | 12 28 | 1 18 | 10 11 | 2 12 | 11 41 | 0 45 | 22 9 | 1 13 | 4 8 | 16 25 | 19 42 | 19 50 | 1 15 | 10 10 | 1 13 |
| F 6 | 17 50 | 20 26 | 5 13 | 7 37 | 2 53 | 24 25 | 1 22 | 23 9 | 1 37 | 12 25 | 1 18 | 10 14 | 2 12 | 11 41 | 0 45 | 22 9 | 1 13 | 4 8 | 16 25 | 19 42 | 19 49 | 1 12 | 10 11 | 1 13 |
| S 7 | 18 5 | 16 22 | 5 16 | 8 12 | 2 48 | 24 33 | 1 24 | 23 2 | 1 36 | 12 23 | 1 18 | 10 16 | 2 12 | 11 41 | 0 45 | 22 9 | 1 13 | 4 9 | 16 24 | 19 42 | 19 48 | 1 8 | 10 12 | 1 13 |
| S 8 | 18 20 | 11 42 | 5 6 | 8 49 | 2 42 | 24 40 | 1 26 | 22 56 | 1 36 | 12 21 | 1 18 | 10 19 | 2 12 | 11 40 | 0 45 | 22 9 | 1 13 | 4 9 | 16 24 | 19 42 | 19 48 | 1 5 | 10 13 | 1 13 |
| M 9 | 18 35 | 6 40 | 4 43 | 9 27 | 2 36 | 24 47 | 1 28 | 22 49 | 1 35 | 12 19 | 1 18 | 10 21 | 2 12 | 11 40 | 0 45 | 22 9 | 1 13 | 4 9 | 16 24 | 19 42 | 19 47 | 1 2 | 10 15 | 1 13 |
| T 10 | 18 50 | 1 24 | 4 8 | 10 5 | 2 29 | 24 53 | 1 30 | 22 42 | 1 34 | 12 17 | 1 18 | 10 24 | 2 12 | 11 39 | 0 45 | 22 9 | 1 13 | 4 10 | 16 24 | 19 42 | 19 46 | 0 59 | 10 16 | 1 13 |
| W11 | 19 4 | 3s56 | 3 22 | 10 45 | 2 22 | 24 58 | 1 31 | 22 35 | 1 34 | 12 14 | 1 17 | 10 26 | 2 12 | 11 39 | 0 45 | 22 9 | 1 13 | 4 10 | 16 23 | 19 42 | 19 46 | 0 56 | 10 17 | 1 13 |
| T 12 | 19 18 | 9 10 | 2 27 | 11 25 | 2 14 | 25 3 | 1 33 | 22 28 | 1 33 | 12 12 | 1 17 | 10 29 | 2 12 | 11 39 | 0 45 | 22 9 | 1 13 | 4 10 | 16 23 | 19 42 | 19 45 | 0 53 | 10 18 | 1 13 |
| F 13 | 19 31 | 14 7 | 1 25 | 12 6 | 2 5 | 25 7 | 1 35 | 22 21 | 1 33 | 12 10 | 1 17 | 10 31 | 2 13 | 11 39 | 0 45 | 22 9 | 1 13 | 4 10 | 16 23 | 19 42 | 19 44 | 0 49 | 10 19 | 1 13 |
| S 14 | 19 44 | 18 36 | 0 19 | 12 47 | 1 57 | 25 10 | 1 37 | 22 13 | 1 32 | 12 8 | 1 17 | 10 34 | 2 13 | 11 38 | 0 45 | 22 9 | 1 13 | 4 10 | 16 22 | 19 42 | 19 43 | 0 46 | 10 21 | 1 13 |
| S 15 | 19 57 | 22 20 | 0s50 | 13 29 | 1 47 | 25 12 | 1 38 | 22 6 | 1 31 | 12 6 | 1 17 | 10 36 | 2 13 | 11 38 | 0 45 | 22 8 | 1 13 | 4 11 | 16 22 | 19 42 | 19 43 | 0 43 | 10 22 | 1 13 |
| M16 | 20 10 | 25 4 | 1 57 | 14 12 | 1 38 | 25 14 | 1 40 | 21 58 | 1 31 | 12 4 | 1 17 | 10 38 | 2 13 | 11 38 | 0 45 | 22 8 | 1 13 | 4 11 | 16 22 | 19 42 | 19 42 | 0 40 | 10 23 | 1 13 |
| T 17 | 20 22 | 26 33 | 3 0 | 14 54 | 1 28 | 25 15 | 1 41 | 21 50 | 1 30 | 12 2 | 1 16 | 10 41 | 2 13 | 11 37 | 0 45 | 22 8 | 1 13 | 4 11 | 16 21 | 19 41 | 19 41 | 0 37 | 10 24 | 1 13 |
| W18 | 20 34 | 26 36 | 3 54 | 15 36 | 1 18 | 25 15 | 1 43 | 21 43 | 1 30 | 12 0 | 1 16 | 10 43 | 2 13 | 11 37 | 0 46 | 22 8 | 1 13 | 4 11 | 16 21 | 19 41 | 19 40 | 0 34 | 10 25 | 1 13 |
| T 19 | 20 45 | 25 8 | 4 37 | 16 19 | 1 7 | 25 15 | 1 44 | 21 34 | 1 29 | 11 59 | 1 16 | 10 46 | 2 13 | 11 37 | 0 46 | 22 8 | 1 13 | 4 11 | 16 21 | 19 41 | 19 40 | 0 30 | 10 26 | 1 13 |
| F 20 | 20 57 | 22 13 | 5 5 | 17 1 | 0 57 | 25 13 | 1 45 | 21 26 | 1 28 | 11 57 | 1 16 | 10 48 | 2 13 | 11 37 | 0 46 | 22 8 | 1 13 | 4 11 | 16 20 | 19 41 | 19 39 | 0 27 | 10 27 | 1 13 |
| S 21 | 21 7 | 18 1 | 5 17 | 17 43 | 0 46 | 25 11 | 1 47 | 21 18 | 1 28 | 11 55 | 1 15 | 10 50 | 2 13 | 11 37 | 0 46 | 22 8 | 1 13 | 4 11 | 16 20 | 19 41 | 19 38 | 0 24 | 10 29 | 1 13 |
| S 22 | 21 18 | 12 47 | 5 10 | 18 24 | 0 35 | 25 9 | 1 48 | 21 10 | 1 27 | 11 53 | 1 15 | 10 53 | 2 13 | 11 37 | 0 46 | 22 8 | 1 13 | 4 11 | 16 20 | 19 41 | 19 38 | 0 21 | 10 30 | 1 13 |
| M23 | 21 28 | 6 48 | 4 44 | 19 4 | 0 24 | 25 5 | 1 49 | 21 1 | 1 26 | 11 52 | 1 15 | 10 55 | 2 13 | 11 36 | 0 46 | 22 8 | 1 13 | 4 11 | 16 19 | 19 41 | 19 37 | 0 18 | 10 31 | 1 13 |
| T 24 | 21 38 | 0 23 | 4 0 | 19 44 | 0 13 | 25 1 | 1 50 | 20 52 | 1 26 | 11 50 | 1 15 | 10 57 | 2 13 | 11 36 | 0 46 | 22 8 | 1 13 | 4 12 | 16 19 | 19 41 | 19 36 | 0 15 | 10 32 | 1 13 |
| W25 | 21 47 | 6n 7 | 3 0 | 20 22 | 0 2 | 24 56 | 1 51 | 20 43 | 1 25 | 11 48 | 1 15 | 10 59 | 2 13 | 11 36 | 0 46 | 22 8 | 1 13 | 4 12 | 16 19 | 19 41 | 19 35 | 0 11 | 10 33 | 1 13 |
| T 26 | 21 56 | 12 19 | 1 49 | 20 58 | 0n 9 | 24 51 | 1 52 | 20 34 | 1 25 | 11 47 | 1 14 | 11 2 | 2 14 | 11 36 | 0 46 | 22 7 | 1 13 | 4 12 | 16 18 | 19 42 | 19 35 | 0 8 | 10 34 | 1 12 |
| F 27 | 22 5 | 17 50 | 0 31 | 21 33 | 0 19 | 24 45 | 1 52 | 20 25 | 1 24 | 11 45 | 1 14 | 11 4 | 2 14 | 11 36 | 0 46 | 22 7 | 1 13 | 4 12 | 16 18 | 19 42 | 19 34 | 0 5 | 10 35 | 1 12 |
| S 28 | 22 13 | 22 16 | 0n49 | 22 6 | 0 30 | 24 38 | 1 53 | 20 16 | 1 23 | 11 44 | 1 14 | 11 6 | 2 14 | 11 36 | 0 46 | 22 7 | 1 13 | 4 12 | 16 17 | 19 42 | 19 33 | 0 2 | 10 36 | 1 12 |
| S 29 | 22 21 | 25 17 | 2 4 | 22 37 | 0 40 | 24 30 | 1 54 | 20 7 | 1 23 | 11 43 | 1 14 | 11 8 | 2 14 | 11 36 | 0 46 | 22 7 | 1 13 | 4 12 | 16 17 | 19 42 | 19 32 | 0s 1 | 10 37 | 1 12 |
| M30 | 22 28 | 26 40 | 3 10 | 23 5 | 0 49 | 24 22 | 1 54 | 19 57 | 1 22 | 11 41 | 1 13 | 11 10 | 2 14 | 11 36 | 0 46 | 22 7 | 1 13 | 4 11 | 16 16 | 19 41 | 19 32 | 0 4 | 10 38 | 1 12 |
| T 31 | 22n35 | 26n24 | 4n 3 | 23n32 | 0n58 | 24n13 | 1n55 | 19n47 | 1n22 | 11s40 | 1n13 | 11n12 | 2s14 | 11s36 | 0s46 | 22s 7 | 1n13 | 4n11 | 16n16 | 19n41 | 19n31 | 0s 8 | 10n39 | 1n12 |

Julian Day Number = 2085697.5, Delta T = 24m31s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'46, Lahiri = 9°53'46 Julian Calendar 1 May 998 == Greg. Calendar 6 May 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## JUNE 998 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 16 57 45 | 14♊48'55 | 0♌56 | 15♊50 | 19♋24 | 8♌10 | 3°R37 | 5♉16 | 1°R49 | 21°R59 | 28°R34 | 27°R20 | 26♉36 | 9♎12 | 24♈30 | W 1 |
| T 2 | 17 1 41 | 15°46'07 | 13°43 | 18° 1 | 20°35 | 8°45 | 3♏33 | 5°22 | 1♓49 | 21♐58 | 28♎33 | 27♉17 | 26°33 | 9°19 | 24°33 | T 2 |
| F 3 | 17 5 38 | 16°43'19 | 26°12 | 20°12 | 21°46 | 9°20 | 3°29 | 5°29 | 1°49 | 21°56 | 28°32 | 27°15 | 26°30 | 9°25 | 24°35 | F 3 |
| S 4 | 17 9 35 | 17°40'30 | 8♍24 | 22°21 | 22°57 | 9°56 | 3°25 | 5°35 | 1°49 | 21°54 | 28°31 | 27°14 | 26°27 | 9°32 | 24°38 | S 4 |
| S 5 | 17 13 31 | 18°37'41 | 20°25 | 24°29 | 24° 7 | 10°31 | 3°21 | 5°42 | 1°49 | 21°53 | 28°30 | 27°D14 | 26°24 | 9°39 | 24°40 | S 5 |
| M 6 | 17 17 28 | 19°34'51 | 2♎18 | 26°36 | 25°18 | 11° 7 | 3°18 | 5°48 | 1°49 | 21°51 | 28°29 | 27°15 | 26°21 | 9°45 | 24°43 | M 6 |
| T 7 | 17 21 24 | 20°32'01 | 14° 9 | 28°42 | 26°28 | 11°42 | 3°15 | 5°54 | 1°49 | 21°50 | 28°28 | 27°16 | 26°17 | 9°52 | 24°45 | T 7 |
| W 8 | 17 25 21 | 21°29'10 | 26° 3 | 0♋46 | 27°39 | 12°18 | 3°12 | 6° 1 | 1°48 | 21°48 | 28°28 | 27°17 | 26°14 | 9°59 | 24°48 | W 8 |
| T 9 | 17 29 17 | 22°26'19 | 8♏ 3 | 2°48 | 28°49 | 12°53 | 3° 9 | 6° 7 | 1°48 | 21°46 | 28°27 | 27°19 | 26°11 | 10° 5 | 24°50 | T 9 |
| F 10 | 17 33 14 | 23°23'28 | 20°13 | 4°48 | 29°59 | 13°29 | 3° 6 | 6°13 | 1°47 | 21°45 | 28°26 | 27°20 | 26° 8 | 10°12 | 24°52 | F 10 |
| S 11 | 17 37 10 | 24°20'36 | 2♐37 | 6°47 | 1♌10 | 14° 5 | 3° 3 | 6°19 | 1°47 | 21°43 | 28°25 | 27°R20 | 26° 5 | 10°19 | 24°54 | S 11 |
| S 12 | 17 41 7 | 25°17'44 | 15°16 | 8°44 | 2°20 | 14°41 | 3° 1 | 6°25 | 1°47 | 21°41 | 28°24 | 27°19 | 26° 1 | 10°25 | 24°57 | S 12 |
| M13 | 17 45 4 | 26°14'53 | 28°11 | 10°38 | 3°30 | 15°16 | 2°59 | 6°31 | 1°46 | 21°40 | 28°24 | 27°16 | 25°58 | 10°32 | 24°59 | M13 |
| T 14 | 17 49 0 | 27°12'01 | 11♑24 | 12°31 | 4°40 | 15°52 | 2°57 | 6°37 | 1°45 | 21°38 | 28°23 | 27°13 | 25°55 | 10°39 | 25° 1 | T 14 |
| W15 | 17 52 57 | 28° 9'09 | 24°51 | 14°22 | 5°50 | 16°28 | 2°55 | 6°43 | 1°45 | 21°37 | 28°22 | 27° 8 | 25°52 | 10°46 | 25° 3 | W15 |
| T 16 | 17 56 53 | 29° 6'18 | 8♒33 | 16°11 | 7° 0 | 17° 4 | 2°53 | 6°49 | 1°44 | 21°35 | 28°22 | 27° 4 | 25°49 | 10°52 | 25° 5 | T 16 |
| F 17 | 18 0 50 | 0♋ 3'27 | 22°25 | 17°57 | 8°10 | 17°40 | 2°52 | 6°54 | 1°43 | 21°33 | 28°21 | 26°59 | 25°46 | 10°59 | 25° 7 | F 17 |
| S 18 | 18 4 46 | 1° 0'36 | 6♓26 | 19°42 | 9°20 | 18°17 | 2°50 | 7° 0 | 1°43 | 21°32 | 28°21 | 26°56 | 25°42 | 11° 6 | 25° 9 | S 18 |
| S 19 | 18 8 43 | 1°57'46 | 20°33 | 21°25 | 10°29 | 18°53 | 2°49 | 7° 5 | 1°42 | 21°30 | 28°20 | 26°54 | 25°39 | 11°12 | 25°11 | S 19 |
| M20 | 18 12 39 | 2°54'56 | 4♈43 | 23° 5 | 11°39 | 19°29 | 2°48 | 7°11 | 1°41 | 21°29 | 28°20 | 26°D53 | 25°36 | 11°19 | 25°13 | M20 |
| T 21 | 18 16 36 | 3°52'07 | 18°56 | 24°44 | 12°48 | 20° 5 | 2°47 | 7°16 | 1°40 | 21°27 | 28°19 | 26°54 | 25°33 | 11°26 | 25°15 | T 21 |
| W22 | 18 20 33 | 4°49'18 | 3♉ 7 | 26°21 | 13°58 | 20°42 | 2°47 | 7°22 | 1°39 | 21°26 | 28°19 | 26°55 | 25°30 | 11°32 | 25°17 | W22 |
| T 23 | 18 24 29 | 5°46'30 | 17°17 | 27°55 | 15° 7 | 21°18 | 2°46 | 7°27 | 1°38 | 21°24 | 28°19 | 26°56 | 25°27 | 11°39 | 25°18 | T 23 |
| F 24 | 18 28 26 | 6°43'43 | 1♊22 | 29°28 | 16°16 | 21°54 | 2°46 | 7°32 | 1°37 | 21°22 | 28°18 | 26°R57 | 25°23 | 11°46 | 25°20 | F 24 |
| S 25 | 18 32 22 | 7°40'56 | 15°20 | 0♌59 | 17°25 | 22°31 | 2°D46 | 7°37 | 1°36 | 21°21 | 28°18 | 26°55 | 25°20 | 11°52 | 25°22 | S 25 |
| S 26 | 18 36 19 | 8°38'10 | 29° 8 | 2°27 | 18°34 | 23° 7 | 2°46 | 7°42 | 1°35 | 21°19 | 28°18 | 26°52 | 25°17 | 11°59 | 25°23 | S 26 |
| M27 | 18 40 15 | 9°35'24 | 12♋42 | 3°53 | 19°43 | 23°44 | 2°46 | 7°47 | 1°34 | 21°18 | 28°17 | 26°47 | 25°14 | 12° 6 | 25°25 | M27 |
| T 28 | 18 44 12 | 10°32'38 | 26° 0 | 5°18 | 20°52 | 24°21 | 2°47 | 7°52 | 1°32 | 21°16 | 28°17 | 26°40 | 25°11 | 12°12 | 25°26 | T 28 |
| W29 | 18 48 9 | 11°29'54 | 9♌ 1 | 6°40 | 22° 1 | 24°57 | 2°47 | 7°57 | 1°31 | 21°15 | 28°17 | 26°33 | 25° 7 | 12°19 | 25°28 | W29 |
| T 30 | 18 52 5 | 12♋27'09 | 21♌44 | 8♌ 0 | 23♌ 9 | 25♌34 | 2♏48 | 8♉ 2 | 1♓30 | 21♐13 | 28♎17 | 26♉25 | 25♉ 4 | 12♎26 | 25♈29 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 22n42 | 24n39 | 4n43 | 23n55 | 1n 7 | 24n 3 | 1n55 | 19n38 | 1n21 | 11s39 | 1n13 | 11n14 | 2s14 | 11s36 | 0s46 | 22s 7 | 1n13 | 4n11 | 16n16 | 19n40 | 19n30 | 0s11 | 10n40 | 1n12 |
| T 2 | 22 48 | 21 41 | 5 6 | 24 16 | 1 15 | 23 53 | 1 55 | 19 28 | 1 20 | 11 38 | 1 13 | 11 16 | 2 14 | 11 36 | 0 46 | 22 7 | 1 13 | 4 11 | 16 15 | 19 40 | 19 29 | 0 14 | 10 41 | 1 12 |
| F 3 | 22 54 | 17 47 | 5 15 | 24 34 | 1 22 | 23 42 | 1 55 | 19 18 | 1 20 | 11 37 | 1 12 | 11 19 | 2 14 | 11 36 | 0 46 | 22 7 | 1 13 | 4 11 | 16 15 | 19 39 | 19 29 | 0 17 | 10 42 | 1 12 |
| S 4 | 23 0 | 13 14 | 5 9 | 24 49 | 1 28 | 23 30 | 1 56 | 19 8 | 1 19 | 11 35 | 1 12 | 11 21 | 2 15 | 11 36 | 0 46 | 22 7 | 1 13 | 4 11 | 16 14 | 19 39 | 19 28 | 0 20 | 10 43 | 1 12 |
| S 5 | 23 5 | 8 15 | 4 50 | 25 1 | 1 34 | 23 18 | 1 56 | 18 57 | 1 19 | 11 34 | 1 12 | 11 23 | 2 15 | 11 36 | 0 46 | 22 7 | 1 13 | 4 11 | 16 14 | 19 39 | 19 27 | 0 24 | 10 44 | 1 12 |
| M 6 | 23 10 | 3 1 | 4 18 | 25 11 | 1 39 | 23 5 | 1 56 | 18 47 | 1 18 | 11 34 | 1 12 | 11 25 | 2 15 | 11 36 | 0 46 | 22 6 | 1 13 | 4 11 | 16 13 | 19 39 | 19 26 | 0 27 | 10 45 | 1 12 |
| T 7 | 23 14 | 2s18 | 3 36 | 25 18 | 1 44 | 22 52 | 1 55 | 18 37 | 1 17 | 11 33 | 1 11 | 11 26 | 2 15 | 11 37 | 0 46 | 22 6 | 1 13 | 4 11 | 16 13 | 19 39 | 19 26 | 0 30 | 10 46 | 1 12 |
| W 8 | 23 18 | 7 34 | 2 44 | 25 22 | 1 48 | 22 37 | 1 55 | 18 26 | 1 17 | 11 32 | 1 11 | 11 28 | 2 15 | 11 37 | 0 46 | 22 6 | 1 13 | 4 10 | 16 12 | 19 40 | 19 25 | 0 33 | 10 46 | 1 12 |
| T 9 | 23 21 | 12 37 | 1 44 | 25 23 | 1 51 | 22 23 | 1 55 | 18 15 | 1 16 | 11 31 | 1 11 | 11 30 | 2 15 | 11 37 | 0 46 | 22 6 | 1 13 | 4 10 | 16 12 | 19 40 | 19 24 | 0 36 | 10 47 | 1 12 |
| F 10 | 23 24 | 17 16 | 0 39 | 25 22 | 1 53 | 22 7 | 1 54 | 18 4 | 1 16 | 11 30 | 1 11 | 11 32 | 2 15 | 11 37 | 0 46 | 22 6 | 1 13 | 4 10 | 16 11 | 19 40 | 19 23 | 0 40 | 10 48 | 1 12 |
| S 11 | 23 27 | 21 16 | 0s29 | 25 18 | 1 54 | 21 52 | 1 54 | 17 53 | 1 15 | 11 30 | 1 10 | 11 34 | 2 15 | 11 37 | 0 46 | 22 6 | 1 13 | 4 10 | 16 11 | 19 40 | 19 23 | 0 43 | 10 49 | 1 12 |
| S 12 | 23 29 | 24 21 | 1 37 | 25 12 | 1 55 | 21 35 | 1 53 | 17 42 | 1 14 | 11 29 | 1 10 | 11 36 | 2 16 | 11 37 | 0 46 | 22 6 | 1 13 | 4 10 | 16 10 | 19 40 | 19 22 | 0 46 | 10 50 | 1 12 |
| M13 | 23 31 | 26 14 | 2 41 | 25 4 | 1 55 | 21 18 | 1 52 | 17 31 | 1 14 | 11 29 | 1 10 | 11 38 | 2 16 | 11 38 | 0 47 | 22 6 | 1 13 | 4 9 | 16 10 | 19 39 | 19 21 | 0 49 | 10 51 | 1 12 |
| T 14 | 23 32 | 26 42 | 3 38 | 24 53 | 1 55 | 21 0 | 1 52 | 17 20 | 1 13 | 11 28 | 1 10 | 11 40 | 2 16 | 11 38 | 0 47 | 22 6 | 1 13 | 4 9 | 16 9 | 19 39 | 19 20 | 0 52 | 10 51 | 1 12 |
| W15 | 23 33 | 25 36 | 4 24 | 24 41 | 1 54 | 20 42 | 1 51 | 17 8 | 1 13 | 11 28 | 1 9 | 11 41 | 2 16 | 11 38 | 0 47 | 22 6 | 1 13 | 4 9 | 16 9 | 19 38 | 19 20 | 0 55 | 10 52 | 1 12 |
| T 16 | 23 34 | 22 58 | 4 56 | 24 26 | 1 52 | 20 24 | 1 50 | 16 57 | 1 12 | 11 28 | 1 9 | 11 43 | 2 16 | 11 38 | 0 47 | 22 6 | 1 13 | 4 9 | 16 8 | 19 36 | 19 19 | 0 59 | 10 53 | 1 12 |
| F 17 | 23 34 | 19 0 | 5 11 | 24 10 | 1 50 | 20 4 | 1 49 | 16 45 | 1 12 | 11 27 | 1 9 | 11 45 | 2 16 | 11 39 | 0 47 | 22 5 | 1 13 | 4 8 | 16 8 | 19 35 | 19 18 | 1 2 | 10 54 | 1 12 |
| S 18 | 23 34 | 13 57 | 5 7 | 23 52 | 1 47 | 19 45 | 1 48 | 16 33 | 1 11 | 11 27 | 1 8 | 11 46 | 2 17 | 11 39 | 0 47 | 22 5 | 1 13 | 4 8 | 16 7 | 19 35 | 19 17 | 1 5 | 10 54 | 1 12 |
| S 19 | 23 33 | 8 8 | 4 46 | 23 33 | 1 43 | 19 24 | 1 46 | 16 22 | 1 10 | 11 27 | 1 8 | 11 48 | 2 17 | 11 39 | 0 47 | 22 5 | 1 13 | 4 8 | 16 7 | 19 34 | 19 17 | 1 8 | 10 55 | 1 12 |
| M20 | 23 32 | 1 53 | 4 6 | 23 12 | 1 39 | 19 4 | 1 45 | 16 10 | 1 10 | 11 27 | 1 8 | 11 50 | 2 17 | 11 40 | 0 47 | 22 5 | 1 13 | 4 7 | 16 6 | 19 34 | 19 16 | 1 11 | 10 56 | 1 12 |
| T 21 | 23 31 | 4n29 | 3 12 | 22 50 | 1 34 | 18 43 | 1 43 | 15 58 | 1 9 | 11 27 | 1 8 | 11 51 | 2 17 | 11 40 | 0 47 | 22 5 | 1 13 | 4 7 | 16 5 | 19 34 | 19 15 | 1 15 | 10 56 | 1 12 |
| W22 | 23 29 | 10 39 | 2 6 | 22 27 | 1 29 | 18 21 | 1 42 | 15 45 | 1 9 | 11 27 | 1 7 | 11 53 | 2 17 | 11 40 | 0 47 | 22 5 | 1 13 | 4 7 | 16 5 | 19 35 | 19 14 | 1 18 | 10 57 | 1 12 |
| T 23 | 23 27 | 16 15 | 0 52 | 22 3 | 1 23 | 17 59 | 1 40 | 15 33 | 1 8 | 11 27 | 1 7 | 11 54 | 2 17 | 11 41 | 0 47 | 22 5 | 1 13 | 4 6 | 16 4 | 19 35 | 19 14 | 1 21 | 10 58 | 1 12 |
| F 24 | 23 24 | 20 56 | 0n24 | 21 37 | 1 17 | 17 37 | 1 38 | 15 21 | 1 7 | 11 27 | 1 7 | 11 56 | 2 18 | 11 41 | 0 47 | 22 5 | 1 13 | 4 6 | 16 4 | 19 35 | 19 13 | 1 24 | 10 58 | 1 12 |
| S 25 | 23 21 | 24 23 | 1 38 | 21 11 | 1 10 | 17 14 | 1 36 | 15 8 | 1 7 | 11 27 | 1 7 | 11 58 | 2 18 | 11 42 | 0 47 | 22 5 | 1 12 | 4 5 | 16 3 | 19 35 | 19 12 | 1 27 | 10 59 | 1 12 |
| S 26 | 23 17 | 26 19 | 2 45 | 20 44 | 1 3 | 16 50 | 1 34 | 14 56 | 1 6 | 11 28 | 1 6 | 11 59 | 2 18 | 11 42 | 0 47 | 22 5 | 1 12 | 4 5 | 16 3 | 19 34 | 19 11 | 1 31 | 10 59 | 1 12 |
| M27 | 23 13 | 26 39 | 3 42 | 20 17 | 0 55 | 16 27 | 1 32 | 14 43 | 1 6 | 11 28 | 1 6 | 12 0 | 2 18 | 11 43 | 0 47 | 22 5 | 1 12 | 4 4 | 16 2 | 19 33 | 19 11 | 1 34 | 11 0 | 1 12 |
| T 28 | 23 9 | 25 24 | 4 25 | 19 49 | 0 47 | 16 2 | 1 30 | 14 30 | 1 5 | 11 28 | 1 6 | 12 2 | 2 18 | 11 43 | 0 47 | 22 5 | 1 12 | 4 4 | 16 2 | 19 31 | 19 10 | 1 37 | 11 0 | 1 12 |
| W29 | 23 4 | 22 49 | 4 54 | 19 20 | 0 39 | 15 38 | 1 28 | 14 17 | 1 4 | 11 29 | 1 5 | 12 3 | 2 18 | 11 43 | 0 47 | 22 5 | 1 12 | 4 4 | 16 1 | 19 29 | 19 9 | 1 40 | 11 1 | 1 12 |
| T 30 | 22n59 | 19n10 | 5n 7 | 18n51 | 0n30 | 15n13 | 1n26 | 14n 4 | 1n 4 | 11s29 | 1n 5 | 12n 5 | 2s19 | 11s44 | 0s47 | 22s 4 | 1n12 | 4n 3 | 16n 0 | 19n27 | 19n 8 | 1s44 | 11n 2 | 1n12 |

Julian Day Number = 2085728.5, Delta T = 24m31s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'50, Lahiri = 9°53'50 Julian Calendar 1 June 998 == Greg. Calendar 6 June 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## JULY 998 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 18 56 2 | 13♋24'25 | 4♍10 | 9♌18 | 24♌18 | 26♌11 | 2♏49 | 8♉ 7 | 1°R29 | 21°R12 | 28°R17 | 26°R18 | 25♉ 1 | 12♎32 | 25♈30 | F 1 |
| S 2 | 18 59 58 | 14°21'41 | 16°22 | 10°33 | 25°26 | 26°48 | 2°50 | 8°11 | 1♓27 | 21♐10 | 28♎17 | 26♉13 | 24°58 | 12°39 | 25°32 | S 2 |
| S 3 | 19 3 55 | 15°18'57 | 28°22 | 11°46 | 26°35 | 27°25 | 2°52 | 8°16 | 1°26 | 21° 9 | 28°17 | 26° 9 | 24°55 | 12°46 | 25°33 | S 3 |
| M 4 | 19 7 51 | 16°16'14 | 10♎14 | 12°57 | 27°43 | 28° 2 | 2°53 | 8°20 | 1°24 | 21° 8 | 28°D17 | 26° 7 | 24°52 | 12°52 | 25°34 | M 4 |
| T 5 | 19 11 48 | 17°13'32 | 22° 5 | 14° 5 | 28°51 | 28°39 | 2°55 | 8°25 | 1°23 | 21° 6 | 28°17 | 26°D 7 | 24°48 | 12°59 | 25°35 | T 5 |
| W 6 | 19 15 44 | 18°10'50 | 3♏58 | 15°11 | 29°59 | 29°16 | 2°57 | 8°29 | 1°21 | 21° 5 | 28°17 | 26° 8 | 24°45 | 13° 6 | 25°36 | W 6 |
| T 7 | 19 19 41 | 19° 8'08 | 15°59 | 16°14 | 1♍ 6 | 29°53 | 2°59 | 8°33 | 1°20 | 21° 3 | 28°17 | 26° 9 | 24°42 | 13°13 | 25°37 | T 7 |
| F 8 | 19 23 38 | 20° 5'27 | 28°13 | 17°14 | 2°14 | 0♍30 | 3° 1 | 8°37 | 1°18 | 21° 2 | 28°17 | 26°R10 | 24°39 | 13°19 | 25°38 | F 8 |
| S 9 | 19 27 34 | 21° 2'47 | 10♐44 | 18°12 | 3°22 | 1° 7 | 3° 4 | 8°41 | 1°17 | 21° 1 | 28°17 | 26° 9 | 24°36 | 13°26 | 25°39 | S 9 |
| S 10 | 19 31 31 | 22° 0'07 | 23°35 | 19° 6 | 4°29 | 1°45 | 3° 7 | 8°45 | 1°15 | 20°59 | 28°17 | 26° 5 | 24°33 | 13°33 | 25°40 | S 10 |
| M11 | 19 35 27 | 22°57'28 | 6♑47 | 19°58 | 5°36 | 2°22 | 3° 9 | 8°49 | 1°13 | 20°58 | 28°18 | 26° 0 | 24°29 | 13°39 | 25°41 | M11 |
| T 12 | 19 39 24 | 23°54'50 | 20°21 | 20°46 | 6°43 | 2°59 | 3°12 | 8°53 | 1°12 | 20°57 | 28°18 | 25°52 | 24°26 | 13°46 | 25°42 | T 12 |
| W13 | 19 43 20 | 24°52'13 | 4♒15 | 21°30 | 7°50 | 3°37 | 3°15 | 8°56 | 1°10 | 20°55 | 28°18 | 25°44 | 24°23 | 13°53 | 25°42 | W13 |
| T 14 | 19 47 17 | 25°49'37 | 18°23 | 22°11 | 8°57 | 4°14 | 3°19 | 9° 0 | 1° 8 | 20°54 | 28°18 | 25°34 | 24°20 | 13°59 | 25°43 | T 14 |
| F 15 | 19 51 13 | 26°47'02 | 2♓42 | 22°48 | 10° 4 | 4°52 | 3°22 | 9° 4 | 1° 6 | 20°53 | 28°19 | 25°25 | 24°17 | 14° 6 | 25°43 | F 15 |
| S 16 | 19 55 10 | 27°44'28 | 17° 5 | 23°22 | 11°11 | 5°29 | 3°26 | 9° 7 | 1° 4 | 20°52 | 28°19 | 25°18 | 24°13 | 14°13 | 25°44 | S 16 |
| S 17 | 19 59 7 | 28°41'55 | 1♈27 | 23°51 | 12°17 | 6° 7 | 3°30 | 9°10 | 1° 2 | 20°50 | 28°20 | 25°13 | 24°10 | 14°19 | 25°45 | S 17 |
| M18 | 20 3 3 | 29°39'24 | 15°45 | 24°16 | 13°23 | 6°45 | 3°34 | 9°13 | 1° 0 | 20°49 | 28°20 | 25°10 | 24° 7 | 14°26 | 25°45 | M18 |
| T 19 | 20 7 0 | 0♌36'54 | 29°55 | 24°36 | 14°29 | 7°23 | 3°38 | 9°17 | 0°59 | 20°48 | 28°21 | 25°D 9 | 24° 4 | 14°33 | 25°45 | T 19 |
| W20 | 20 10 56 | 1°34'25 | 13♉57 | 24°52 | 15°35 | 8° 0 | 3°42 | 9°20 | 0°57 | 20°47 | 28°21 | 25°10 | 24° 1 | 14°39 | 25°46 | W20 |
| T 21 | 20 14 53 | 2°31'58 | 27°50 | 25° 2 | 16°41 | 8°38 | 3°47 | 9°23 | 0°55 | 20°46 | 28°22 | 25°R10 | 23°58 | 14°46 | 25°46 | T 21 |
| F 22 | 20 18 49 | 3°29'33 | 11♊33 | 25° 8 | 17°46 | 9°16 | 3°51 | 9°25 | 0°53 | 20°45 | 28°22 | 25° 9 | 23°54 | 14°53 | 25°46 | F 22 |
| S 23 | 20 22 46 | 4°27'09 | 25° 7 | 25°R 8 | 18°52 | 9°54 | 3°56 | 9°28 | 0°50 | 20°44 | 28°23 | 25° 6 | 23°51 | 14°59 | 25°46 | S 23 |
| S 24 | 20 26 42 | 5°24'47 | 8♋30 | 25° 3 | 19°57 | 10°32 | 4° 1 | 9°31 | 0°48 | 20°43 | 28°24 | 25° 0 | 23°48 | 15° 6 | 25°46 | S 24 |
| M25 | 20 30 39 | 6°22'26 | 21°42 | 24°52 | 21° 2 | 11°10 | 4° 6 | 9°33 | 0°46 | 20°42 | 28°24 | 24°51 | 23°45 | 15°13 | 25°R46 | M25 |
| T 26 | 20 34 36 | 7°20'06 | 4♌42 | 24°36 | 22° 7 | 11°48 | 4°11 | 9°36 | 0°44 | 20°41 | 28°25 | 24°40 | 23°42 | 15°19 | 25°46 | T 26 |
| W27 | 20 38 32 | 8°17'48 | 17°28 | 24°14 | 23°11 | 12°26 | 4°17 | 9°38 | 0°42 | 20°40 | 28°26 | 24°28 | 23°39 | 15°26 | 25°46 | W27 |
| T 28 | 20 42 29 | 9°15'31 | 0♍ 0 | 23°47 | 24°16 | 13° 5 | 4°22 | 9°40 | 0°40 | 20°39 | 28°27 | 24°15 | 23°35 | 15°33 | 25°46 | T 28 |
| F 29 | 20 46 25 | 10°13'15 | 12°19 | 23°14 | 25°20 | 13°43 | 4°28 | 9°42 | 0°38 | 20°38 | 28°28 | 24° 4 | 23°32 | 15°39 | 25°46 | F 29 |
| S 30 | 20 50 22 | 11°11'01 | 24°26 | 22°37 | 26°24 | 14°21 | 4°34 | 9°44 | 0°35 | 20°37 | 28°28 | 23°54 | 23°29 | 15°46 | 25°46 | S 30 |
| S 31 | 20 54 18 | 12♌ 8'47 | 6♎23 | 21♌55 | 27♍28 | 14♍59 | 4♏40 | 9♉46 | 0♓33 | 20♐36 | 28♎29 | 23♉47 | 23♉26 | 15♎53 | 25♈45 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat | |
| F 1 | 22n53 | 14n46 | 5n 5 | 18n22 | 0n21 | 14n48 | 1n23 | 13n51 | 1n 3 | 11s30 | 1n 5 | 12n 6 | 2s19 | 11s44 | 0s47 | 22s 4 | 1n12 | 4n 3 | 16n 0 | 19n26 | 19n 8 | 1s47 | 11n 2 | 1n12 | F 1 |
| S 2 | 22 47 | 9 51 | 4 49 | 17 52 | 0 11 | 14 22 | 1 21 | 13 38 | 1 3 | 11 31 | 1 5 | 12 7 | 2 19 | 11 45 | 0 47 | 22 4 | 1 12 | 4 2 | 15 59 | 19 25 | 19 7 | 1 50 | 11 2 | 1 12 | S 2 |
| S 3 | 22 41 | 4 38 | 4 21 | 17 22 | 0 1 | 13 57 | 1 18 | 13 24 | 1 2 | 11 31 | 1 4 | 12 9 | 2 19 | 11 46 | 0 47 | 22 4 | 1 12 | 4 1 | 15 59 | 19 24 | 19 6 | 1 53 | 11 3 | 1 12 | S 3 |
| M 4 | 22 34 | 0s41 | 3 42 | 16 53 | 0s 9 | 13 30 | 1 15 | 13 11 | 1 2 | 11 32 | 1 4 | 12 10 | 2 19 | 11 46 | 0 47 | 22 4 | 1 12 | 4 1 | 15 58 | 19 23 | 19 5 | 1 56 | 11 3 | 1 12 | M 4 |
| T 5 | 22 27 | 5 58 | 2 53 | 16 23 | 0 19 | 13 4 | 1 12 | 12 58 | 1 1 | 11 33 | 1 4 | 12 11 | 2 20 | 11 47 | 0 47 | 22 4 | 1 12 | 4 0 | 15 58 | 19 23 | 19 4 | 2 0 | 11 4 | 1 12 | T 5 |
| W 6 | 22 20 | 11 5 | 1 57 | 15 53 | 0 30 | 12 37 | 1 9 | 12 44 | 1 0 | 11 34 | 1 4 | 12 12 | 2 20 | 11 47 | 0 47 | 22 4 | 1 12 | 4 0 | 15 57 | 19 24 | 19 4 | 2 3 | 11 4 | 1 12 | W 6 |
| T 7 | 22 12 | 15 51 | 0 54 | 15 24 | 0 41 | 12 10 | 1 6 | 12 30 | 1 0 | 11 35 | 1 3 | 12 13 | 2 20 | 11 48 | 0 47 | 22 4 | 1 12 | 3 59 | 15 56 | 19 24 | 19 3 | 2 6 | 11 5 | 1 12 | T 7 |
| F 8 | 22 3 | 20 3 | 0s11 | 14 55 | 0 53 | 11 43 | 1 3 | 12 17 | 0 59 | 11 36 | 1 3 | 12 14 | 2 20 | 11 48 | 0 47 | 22 4 | 1 12 | 3 59 | 15 56 | 19 24 | 19 2 | 2 9 | 11 5 | 1 12 | F 8 |
| S 9 | 21 55 | 23 27 | 1 17 | 14 27 | 1 4 | 11 15 | 1 0 | 12 3 | 0 59 | 11 37 | 1 3 | 12 16 | 2 20 | 11 49 | 0 47 | 22 4 | 1 12 | 3 58 | 15 55 | 19 24 | 19 1 | 2 12 | 11 5 | 1 12 | S 9 |
| S 10 | 21 46 | 25 46 | 2 22 | 13 59 | 1 16 | 10 48 | 0 56 | 11 49 | 0 58 | 11 38 | 1 2 | 12 17 | 2 21 | 11 50 | 0 47 | 22 4 | 1 12 | 3 57 | 15 55 | 19 23 | 19 1 | 2 16 | 11 6 | 1 12 | S 10 |
| M11 | 21 36 | 26 43 | 3 20 | 13 31 | 1 28 | 10 20 | 0 53 | 11 35 | 0 57 | 11 40 | 1 2 | 12 18 | 2 21 | 11 50 | 0 47 | 22 4 | 1 12 | 3 57 | 15 54 | 19 22 | 19 0 | 2 19 | 11 6 | 1 12 | M11 |
| T 12 | 21 26 | 26 6 | 4 8 | 13 5 | 1 40 | 9 51 | 0 49 | 11 21 | 0 57 | 11 41 | 1 2 | 12 19 | 2 21 | 11 51 | 0 47 | 22 4 | 1 12 | 3 56 | 15 53 | 19 20 | 18 59 | 2 22 | 11 6 | 1 12 | T 12 |
| W13 | 21 16 | 23 53 | 4 43 | 12 39 | 1 52 | 9 23 | 0 46 | 11 7 | 0 56 | 11 42 | 1 2 | 12 20 | 2 21 | 11 52 | 0 47 | 22 4 | 1 12 | 3 56 | 15 53 | 19 18 | 18 58 | 2 25 | 11 6 | 1 12 | W13 |
| T 14 | 21 6 | 20 10 | 5 2 | 12 14 | 2 4 | 8 54 | 0 42 | 10 52 | 0 56 | 11 43 | 1 1 | 12 21 | 2 21 | 11 52 | 0 48 | 22 4 | 1 12 | 3 55 | 15 52 | 19 15 | 18 57 | 2 28 | 11 7 | 1 12 | T 14 |
| F 15 | 20 55 | 15 15 | 5 2 | 11 50 | 2 17 | 8 25 | 0 38 | 10 38 | 0 55 | 11 45 | 1 1 | 12 21 | 2 22 | 11 53 | 0 48 | 22 4 | 1 12 | 3 54 | 15 52 | 19 13 | 18 57 | 2 32 | 11 7 | 1 12 | F 15 |
| S 16 | 20 44 | 9 28 | 4 42 | 11 28 | 2 29 | 7 56 | 0 34 | 10 24 | 0 54 | 11 46 | 1 1 | 12 22 | 2 22 | 11 54 | 0 48 | 22 3 | 1 12 | 3 54 | 15 51 | 19 12 | 18 56 | 2 35 | 11 7 | 1 12 | S 16 |
| S 17 | 20 32 | 3 10 | 4 6 | 11 7 | 2 41 | 7 27 | 0 30 | 10 9 | 0 54 | 11 48 | 1 1 | 12 23 | 2 22 | 11 54 | 0 48 | 22 3 | 1 12 | 3 53 | 15 51 | 19 10 | 18 55 | 2 38 | 11 7 | 1 12 | S 17 |
| M18 | 20 20 | 3n15 | 3 14 | 10 47 | 2 53 | 6 58 | 0 26 | 9 54 | 0 53 | 11 50 | 1 0 | 12 24 | 2 22 | 11 55 | 0 48 | 22 3 | 1 12 | 3 52 | 15 50 | 19 10 | 18 54 | 2 41 | 11 7 | 1 12 | M18 |
| T 19 | 20 8 | 9 29 | 2 10 | 10 29 | 3 5 | 6 29 | 0 22 | 9 40 | 0 53 | 11 51 | 1 0 | 12 25 | 2 23 | 11 56 | 0 48 | 22 3 | 1 12 | 3 51 | 15 49 | 19 10 | 18 53 | 2 44 | 11 7 | 1 12 | T 19 |
| W20 | 19 55 | 15 10 | 0 59 | 10 13 | 3 17 | 5 59 | 0 18 | 9 25 | 0 52 | 11 53 | 1 0 | 12 25 | 2 23 | 11 56 | 0 48 | 22 3 | 1 12 | 3 51 | 15 49 | 19 10 | 18 53 | 2 48 | 11 8 | 1 12 | W20 |
| T 21 | 19 42 | 20 1 | 0n14 | 9 59 | 3 28 | 5 29 | 0 13 | 9 10 | 0 52 | 11 55 | 1 0 | 12 26 | 2 23 | 11 57 | 0 48 | 22 3 | 1 12 | 3 50 | 15 48 | 19 10 | 18 52 | 2 51 | 11 8 | 1 12 | T 21 |
| F 22 | 19 29 | 23 43 | 1 26 | 9 46 | 3 39 | 5 0 | 0 9 | 8 55 | 0 51 | 11 56 | 0 59 | 12 27 | 2 23 | 11 58 | 0 48 | 22 3 | 1 12 | 3 49 | 15 48 | 19 9 | 18 51 | 2 54 | 11 8 | 1 12 | F 22 |
| S 23 | 19 15 | 26 1 | 2 32 | 9 36 | 3 50 | 4 30 | 0 4 | 8 41 | 0 50 | 11 58 | 0 59 | 12 28 | 2 23 | 11 59 | 0 48 | 22 3 | 1 12 | 3 48 | 15 47 | 19 9 | 18 50 | 2 57 | 11 8 | 1 12 | S 23 |
| S 24 | 19 1 | 26 46 | 3 28 | 9 29 | 4 0 | 4 0 | 0s 0 | 8 26 | 0 50 | 12 0 | 0 59 | 12 28 | 2 24 | 11 59 | 0 48 | 22 3 | 1 12 | 3 48 | 15 47 | 19 7 | 18 50 | 3 1 | 11 8 | 1 12 | S 24 |
| M25 | 18 47 | 25 58 | 4 13 | 9 24 | 4 9 | 3 30 | 0 5 | 8 10 | 0 49 | 12 2 | 0 59 | 12 29 | 2 24 | 12 0 | 0 48 | 22 3 | 1 12 | 3 47 | 15 46 | 19 5 | 18 49 | 3 4 | 11 8 | 1 12 | M25 |
| T 26 | 18 32 | 23 46 | 4 43 | 9 21 | 4 17 | 3 0 | 0 10 | 7 55 | 0 49 | 12 4 | 0 58 | 12 29 | 2 24 | 12 1 | 0 48 | 22 3 | 1 12 | 3 46 | 15 45 | 19 2 | 18 48 | 3 7 | 11 8 | 1 12 | T 26 |
| W27 | 18 17 | 20 25 | 4 59 | 9 22 | 4 24 | 2 30 | 0 15 | 7 40 | 0 48 | 12 6 | 0 58 | 12 30 | 2 24 | 12 2 | 0 48 | 22 3 | 1 12 | 3 45 | 15 45 | 18 59 | 18 47 | 3 10 | 11 8 | 1 12 | W27 |
| T 28 | 18 2 | 16 12 | 5 0 | 9 25 | 4 30 | 1 59 | 0 20 | 7 25 | 0 47 | 12 8 | 0 58 | 12 30 | 2 25 | 12 3 | 0 48 | 22 3 | 1 11 | 3 45 | 15 44 | 18 56 | 18 46 | 3 13 | 11 8 | 1 12 | T 28 |
| F 29 | 17 47 | 11 22 | 4 46 | 9 31 | 4 35 | 1 29 | 0 25 | 7 10 | 0 47 | 12 11 | 0 58 | 12 31 | 2 25 | 12 3 | 0 48 | 22 3 | 1 11 | 3 44 | 15 44 | 18 53 | 18 46 | 3 17 | 11 8 | 1 12 | F 29 |
| S 30 | 17 31 | 6 12 | 4 20 | 9 40 | 4 38 | 0 59 | 0 30 | 6 54 | 0 46 | 12 13 | 0 57 | 12 31 | 2 25 | 12 4 | 0 48 | 22 3 | 1 11 | 3 43 | 15 43 | 18 51 | 18 45 | 3 20 | 11 8 | 1 12 | S 30 |
| S 31 | 17n15 | 0n51 | 3n43 | 9n52 | 4s40 | 0n29 | 0s35 | 6n39 | 0n46 | 12s15 | 0n57 | 12n32 | 2s25 | 12s 5 | 0s48 | 22s 3 | 1n11 | 3n42 | 15n43 | 18n49 | 18n44 | 3s23 | 11n 8 | 1n12 | S 31 |

Julian Day Number = 2085758.5, Delta T = 24m30s
Ecliptic obliquity = 23°34'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'54, Lahiri = 9°53'54 Julian Calendar 1 July 998 == Greg. Calendar 6 July 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## AUGUST 998 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 20 58 15 | 13♌ 6'35 | 18♎13 | 21°R 8 | 28♍31 | 15♍38 | 4♏46 | 9♉48 | 0°R31 | 20°R35 | 28♎30 | 23°R42 | 23♉23 | 15♎59 | 25°R45 | M 1 |
| T 2 | 21 2 11 | 14° 4'24 | 0♏ 2 | 20♌19 | 29°35 | 16°16 | 4°52 | 9°50 | 0♓29 | 20♐34 | 28°31 | 23♉40 | 23°19 | 16° 6 | 25♈45 | T 2 |
| W 3 | 21 6 8 | 15° 2'15 | 11°53 | 19°27 | 0♎38 | 16°55 | 4°59 | 9°52 | 0°26 | 20°34 | 28°32 | 23°D39 | 23°16 | 16°13 | 25°44 | W 3 |
| T 4 | 21 10 5 | 16° 0'07 | 23°53 | 18°33 | 1°41 | 17°33 | 5° 5 | 9°53 | 0°24 | 20°33 | 28°33 | 23°R39 | 23°13 | 16°19 | 25°44 | T 4 |
| F 5 | 21 14 1 | 16°58'00 | 6♐ 7 | 17°39 | 2°43 | 18°12 | 5°12 | 9°54 | 0°22 | 20°32 | 28°34 | 23°39 | 23°10 | 16°26 | 25°43 | F 5 |
| S 6 | 21 17 58 | 17°55'54 | 18°39 | 16°45 | 3°45 | 18°51 | 5°19 | 9°56 | 0°19 | 20°32 | 28°35 | 23°37 | 23° 7 | 16°33 | 25°43 | S 6 |
| S 7 | 21 21 54 | 18°53'50 | 1♑35 | 15°53 | 4°47 | 19°29 | 5°26 | 9°57 | 0°17 | 20°31 | 28°37 | 23°33 | 23° 4 | 16°40 | 25°42 | S 7 |
| M 8 | 21 25 51 | 19°51'47 | 14°56 | 15° 4 | 5°49 | 20° 8 | 5°33 | 9°58 | 0°15 | 20°30 | 28°38 | 23°26 | 23° 0 | 16°46 | 25°41 | M 8 |
| T 9 | 21 29 47 | 20°49'46 | 28°44 | 14°18 | 6°51 | 20°47 | 5°40 | 9°59 | 0°12 | 20°30 | 28°39 | 23°17 | 22°57 | 16°53 | 25°40 | T 9 |
| W10 | 21 33 44 | 21°47'46 | 12♒56 | 13°38 | 7°52 | 21°26 | 5°48 | 10° 0 | 0°10 | 20°29 | 28°40 | 23° 6 | 22°54 | 17° 0 | 25°40 | W10 |
| T 11 | 21 37 40 | 22°45'48 | 27°28 | 13° 3 | 8°52 | 22° 5 | 5°55 | 10° 1 | 0° 8 | 20°28 | 28°41 | 22°54 | 22°51 | 17° 6 | 25°39 | T 11 |
| F 12 | 21 41 37 | 23°43'52 | 12♓12 | 12°35 | 9°53 | 22°44 | 6° 3 | 10° 1 | 0° 5 | 20°28 | 28°43 | 22°43 | 22°48 | 17°13 | 25°38 | F 12 |
| S 13 | 21 45 34 | 24°41'57 | 27° 1 | 12°15 | 10°53 | 23°23 | 6°11 | 10° 2 | 0° 3 | 20°27 | 28°44 | 22°34 | 22°45 | 17°20 | 25°37 | S 13 |
| S 14 | 21 49 30 | 25°40'04 | 11♈45 | 12° 2 | 11°53 | 24° 2 | 6°19 | 10° 2 | 0° 1 | 20°27 | 28°45 | 22°28 | 22°41 | 17°26 | 25°36 | S 14 |
| M15 | 21 53 27 | 26°38'13 | 26°20 | 11°D58 | 12°52 | 24°41 | 6°27 | 10° 3 | 29♒58 | 20°27 | 28°47 | 22°24 | 22°38 | 17°33 | 25°35 | M15 |
| T 16 | 21 57 23 | 27°36'24 | 10♉40 | 12° 2 | 13°51 | 25°20 | 6°35 | 10° 3 | 29°56 | 20°26 | 28°48 | 22°22 | 22°35 | 17°40 | 25°33 | T 16 |
| W17 | 22 1 20 | 28°34'38 | 24°43 | 12°15 | 14°50 | 25°59 | 6°43 | 10° 3 | 29°53 | 20°26 | 28°49 | 22°22 | 22°32 | 17°46 | 25°32 | W17 |
| T 18 | 22 5 16 | 29°32'54 | 8♊30 | 12°37 | 15°48 | 26°39 | 6°52 | 10°R 3 | 29°51 | 20°25 | 28°51 | 22°22 | 22°29 | 17°53 | 25°31 | T 18 |
| F 19 | 22 9 13 | 0♍31'11 | 22° 1 | 13° 8 | 16°46 | 27°18 | 7° 0 | 10° 3 | 29°49 | 20°25 | 28°52 | 22°20 | 22°25 | 18° 0 | 25°30 | F 19 |
| S 20 | 22 13 9 | 1°29'31 | 5♋17 | 13°47 | 17°44 | 27°58 | 7° 9 | 10° 3 | 29°46 | 20°25 | 28°54 | 22°17 | 22°22 | 18° 6 | 25°28 | S 20 |
| S 21 | 22 17 6 | 2°27'53 | 18°21 | 14°34 | 18°41 | 28°37 | 7°18 | 10° 2 | 29°44 | 20°25 | 28°56 | 22°11 | 22°19 | 18°13 | 25°27 | S 21 |
| M22 | 22 21 3 | 3°26'17 | 1♌12 | 15°29 | 19°38 | 29°17 | 7°27 | 10° 2 | 29°41 | 20°24 | 28°57 | 22° 1 | 22°16 | 18°20 | 25°25 | M22 |
| T 23 | 22 24 59 | 4°24'44 | 13°53 | 16°32 | 20°34 | 29°56 | 7°36 | 10° 1 | 29°39 | 20°24 | 28°59 | 21°50 | 22°13 | 18°26 | 25°24 | T 23 |
| W24 | 22 28 56 | 5°23'12 | 26°22 | 17°41 | 21°30 | 0♎36 | 7°45 | 10° 1 | 29°37 | 20°24 | 29° 0 | 21°37 | 22°10 | 18°33 | 25°22 | W24 |
| T 25 | 22 32 52 | 6°21'42 | 8♍41 | 18°57 | 22°25 | 1°15 | 7°54 | 10° 0 | 29°34 | 20°24 | 29° 2 | 21°24 | 22° 6 | 18°40 | 25°21 | T 25 |
| F 26 | 22 36 49 | 7°20'13 | 20°50 | 20°18 | 23°20 | 1°55 | 8° 3 | 9°59 | 29°32 | 20°24 | 29° 4 | 21°11 | 22° 3 | 18°46 | 25°19 | F 26 |
| S 27 | 22 40 45 | 8°18'47 | 2♎49 | 21°45 | 24°14 | 2°35 | 8°13 | 9°58 | 29°29 | 20°24 | 29° 5 | 21° 1 | 22° 0 | 18°53 | 25°17 | S 27 |
| S 28 | 22 44 42 | 9°17'23 | 14°42 | 23°16 | 25° 8 | 3°15 | 8°22 | 9°57 | 29°27 | 20°D24 | 29° 7 | 20°53 | 21°57 | 19° 0 | 25°16 | S 28 |
| M29 | 22 48 38 | 10°16'00 | 26°30 | 24°51 | 26° 1 | 3°55 | 8°32 | 9°56 | 29°25 | 20°24 | 29° 9 | 20°47 | 21°54 | 19° 6 | 25°14 | M29 |
| T 30 | 22 52 35 | 11°14'40 | 8♏16 | 26°29 | 26°53 | 4°35 | 8°42 | 9°55 | 29°22 | 20°24 | 29°11 | 20°45 | 21°50 | 19°13 | 25°12 | T 30 |
| W31 | 22 56 31 | 12♍13'21 | 20♏ 6 | 28♌10 | 27♎45 | 5♎15 | 8♏52 | 9♉53 | 29♒20 | 20♐24 | 29♎12 | 20°D44 | 21♉47 | 19♎20 | 25♈10 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n58 | 4s28 | 2n56 | 10n 7 | 4s40 | 0s 2 | 0s40 | 6n23 | 0n45 | 12s17 | 0n57 | 12n32 | 2s25 | 12s 6 | 0s48 | 22s 3 | 1n11 | 3n41 | 15n42 | 18n48 | 18n43 | 3s26 | 11n 7 | 1n12 |
| T 2 | 16 42 | 9 39 | 2 2 | 10 24 | 4 38 | 0 32 | 0 46 | 6 8 | 0 44 | 12 20 | 0 57 | 12 32 | 2 26 | 12 7 | 0 48 | 22 3 | 1 11 | 3 40 | 15 41 | 18 47 | 18 42 | 3 29 | 11 7 | 1 12 |
| W 3 | 16 25 | 14 30 | 1 2 | 10 44 | 4 34 | 1 2 | 0 51 | 5 52 | 0 44 | 12 22 | 0 56 | 12 33 | 2 26 | 12 7 | 0 48 | 22 3 | 1 11 | 3 40 | 15 41 | 18 47 | 18 42 | 3 33 | 11 7 | 1 12 |
| T 4 | 16 8 | 18 52 | 0s 1 | 11 5 | 4 28 | 1 32 | 0 57 | 5 36 | 0 43 | 12 24 | 0 56 | 12 33 | 2 26 | 12 8 | 0 48 | 22 3 | 1 11 | 3 39 | 15 40 | 18 47 | 18 41 | 3 36 | 11 7 | 1 12 |
| F 5 | 15 50 | 22 31 | 1 6 | 11 29 | 4 21 | 2 2 | 1 2 | 5 21 | 0 43 | 12 27 | 0 56 | 12 33 | 2 26 | 12 9 | 0 48 | 22 3 | 1 11 | 3 38 | 15 40 | 18 47 | 18 40 | 3 39 | 11 7 | 1 12 |
| S 6 | 15 32 | 25 13 | 2 8 | 11 54 | 4 11 | 2 32 | 1 8 | 5 5 | 0 42 | 12 29 | 0 56 | 12 33 | 2 27 | 12 10 | 0 48 | 22 3 | 1 11 | 3 37 | 15 39 | 18 47 | 18 39 | 3 42 | 11 6 | 1 12 |
| S 7 | 15 14 | 26 40 | 3 6 | 12 20 | 4 0 | 3 2 | 1 13 | 4 49 | 0 41 | 12 32 | 0 55 | 12 33 | 2 27 | 12 11 | 0 48 | 22 3 | 1 11 | 3 36 | 15 39 | 18 46 | 18 38 | 3 46 | 11 6 | 1 12 |
| M 8 | 14 56 | 26 38 | 3 56 | 12 47 | 3 47 | 3 32 | 1 19 | 4 33 | 0 41 | 12 35 | 0 55 | 12 33 | 2 27 | 12 12 | 0 48 | 22 3 | 1 11 | 3 35 | 15 38 | 18 44 | 18 38 | 3 49 | 11 6 | 1 12 |
| T 9 | 14 38 | 24 59 | 4 34 | 13 14 | 3 33 | 4 2 | 1 25 | 4 17 | 0 40 | 12 37 | 0 55 | 12 34 | 2 27 | 12 12 | 0 48 | 22 3 | 1 11 | 3 34 | 15 38 | 18 42 | 18 37 | 3 52 | 11 6 | 1 12 |
| W10 | 14 19 | 21 44 | 4 56 | 13 40 | 3 17 | 4 31 | 1 31 | 4 1 | 0 40 | 12 40 | 0 55 | 12 34 | 2 28 | 12 13 | 0 48 | 22 3 | 1 11 | 3 33 | 15 37 | 18 39 | 18 36 | 3 55 | 11 5 | 1 12 |
| T 11 | 14 0 | 17 6 | 4 59 | 14 6 | 3 1 | 5 1 | 1 37 | 3 45 | 0 39 | 12 43 | 0 55 | 12 34 | 2 28 | 12 14 | 0 48 | 22 3 | 1 11 | 3 32 | 15 37 | 18 36 | 18 35 | 3 58 | 11 5 | 1 12 |
| F 12 | 13 41 | 11 23 | 4 43 | 14 31 | 2 43 | 5 30 | 1 43 | 3 29 | 0 38 | 12 45 | 0 54 | 12 34 | 2 28 | 12 15 | 0 48 | 22 3 | 1 11 | 3 32 | 15 36 | 18 33 | 18 34 | 4 2 | 11 5 | 1 12 |
| S 13 | 13 22 | 4 59 | 4 8 | 14 54 | 2 25 | 6 0 | 1 49 | 3 13 | 0 38 | 12 48 | 0 54 | 12 34 | 2 28 | 12 16 | 0 48 | 22 3 | 1 11 | 3 31 | 15 36 | 18 31 | 18 33 | 4 5 | 11 4 | 1 12 |
| S 14 | 13 2 | 1n39 | 3 17 | 15 16 | 2 6 | 6 29 | 1 55 | 2 57 | 0 37 | 12 51 | 0 54 | 12 33 | 2 29 | 12 17 | 0 48 | 22 3 | 1 11 | 3 30 | 15 35 | 18 29 | 18 33 | 4 8 | 11 4 | 1 12 |
| M15 | 12 42 | 8 9 | 2 13 | 15 35 | 1 47 | 6 58 | 2 1 | 2 41 | 0 37 | 12 54 | 0 54 | 12 33 | 2 29 | 12 18 | 0 48 | 22 3 | 1 11 | 3 29 | 15 35 | 18 28 | 18 32 | 4 11 | 11 3 | 1 12 |
| T 16 | 12 22 | 14 8 | 1 2 | 15 52 | 1 29 | 7 27 | 2 7 | 2 25 | 0 36 | 12 57 | 0 53 | 12 33 | 2 29 | 12 18 | 0 48 | 22 3 | 1 11 | 3 28 | 15 34 | 18 28 | 18 31 | 4 14 | 11 3 | 1 12 |
| W17 | 12 2 | 19 15 | 0n12 | 16 6 | 1 10 | 7 55 | 2 13 | 2 9 | 0 36 | 13 0 | 0 53 | 12 33 | 2 29 | 12 19 | 0 48 | 22 3 | 1 11 | 3 27 | 15 34 | 18 28 | 18 30 | 4 18 | 11 3 | 1 12 |
| T 18 | 11 42 | 23 14 | 1 24 | 16 17 | 0 52 | 8 24 | 2 19 | 1 52 | 0 35 | 13 3 | 0 53 | 12 33 | 2 29 | 12 20 | 0 48 | 22 3 | 1 11 | 3 26 | 15 33 | 18 28 | 18 29 | 4 21 | 11 2 | 1 12 |
| F 19 | 11 21 | 25 49 | 2 30 | 16 25 | 0 35 | 8 52 | 2 26 | 1 36 | 0 34 | 13 6 | 0 53 | 12 33 | 2 30 | 12 21 | 0 48 | 22 3 | 1 10 | 3 25 | 15 33 | 18 27 | 18 29 | 4 24 | 11 2 | 1 12 |
| S 20 | 11 0 | 26 54 | 3 26 | 16 30 | 0 18 | 9 20 | 2 32 | 1 20 | 0 34 | 13 9 | 0 53 | 12 32 | 2 30 | 12 22 | 0 48 | 22 3 | 1 10 | 3 24 | 15 32 | 18 26 | 18 28 | 4 27 | 11 1 | 1 12 |
| S 21 | 10 39 | 26 26 | 4 10 | 16 31 | 0 2 | 9 48 | 2 38 | 1 4 | 0 33 | 13 12 | 0 52 | 12 32 | 2 30 | 12 23 | 0 48 | 22 3 | 1 10 | 3 23 | 15 32 | 18 25 | 18 27 | 4 31 | 11 1 | 1 12 |
| M22 | 10 18 | 24 34 | 4 41 | 16 29 | 0n13 | 10 15 | 2 45 | 0 47 | 0 33 | 13 15 | 0 52 | 12 32 | 2 30 | 12 23 | 0 48 | 22 3 | 1 10 | 3 22 | 15 31 | 18 22 | 18 26 | 4 34 | 11 0 | 1 12 |
| T 23 | 9 57 | 21 30 | 4 58 | 16 24 | 0 27 | 10 43 | 2 51 | 0 31 | 0 32 | 13 18 | 0 52 | 12 31 | 2 31 | 12 24 | 0 48 | 22 3 | 1 10 | 3 21 | 15 31 | 18 19 | 18 25 | 4 37 | 10 59 | 1 12 |
| W24 | 9 35 | 17 29 | 5 0 | 16 15 | 0 40 | 11 10 | 2 57 | 0 14 | 0 31 | 13 21 | 0 52 | 12 31 | 2 31 | 12 25 | 0 48 | 22 3 | 1 10 | 3 20 | 15 30 | 18 16 | 18 25 | 4 40 | 10 59 | 1 12 |
| T 25 | 9 14 | 12 47 | 4 47 | 16 3 | 0 52 | 11 37 | 3 4 | 0s 2 | 0 31 | 13 24 | 0 52 | 12 30 | 2 31 | 12 26 | 0 48 | 22 3 | 1 10 | 3 19 | 15 30 | 18 13 | 18 24 | 4 43 | 10 58 | 1 12 |
| F 26 | 8 52 | 7 40 | 4 22 | 15 47 | 1 2 | 12 3 | 3 10 | 0 18 | 0 30 | 13 28 | 0 51 | 12 30 | 2 31 | 12 27 | 0 48 | 22 3 | 1 10 | 3 18 | 15 29 | 18 9 | 18 23 | 4 47 | 10 58 | 1 12 |
| S 27 | 8 30 | 2 19 | 3 45 | 15 28 | 1 12 | 12 30 | 3 17 | 0 35 | 0 30 | 13 31 | 0 51 | 12 29 | 2 31 | 12 28 | 0 48 | 22 3 | 1 10 | 3 17 | 15 29 | 18 6 | 18 22 | 4 50 | 10 57 | 1 12 |
| S 28 | 8 8 | 3s 4 | 2 59 | 15 6 | 1 20 | 12 55 | 3 23 | 0 51 | 0 29 | 13 34 | 0 51 | 12 29 | 2 32 | 12 29 | 0 48 | 22 3 | 1 10 | 3 16 | 15 28 | 18 4 | 18 21 | 4 53 | 10 56 | 1 12 |
| M29 | 7 46 | 8 20 | 2 5 | 14 41 | 1 28 | 13 21 | 3 30 | 1 8 | 0 28 | 13 37 | 0 51 | 12 28 | 2 32 | 12 29 | 0 48 | 22 3 | 1 10 | 3 15 | 15 28 | 18 3 | 18 20 | 4 56 | 10 56 | 1 12 |
| T 30 | 7 23 | 13 18 | 1 6 | 14 14 | 1 34 | 13 46 | 3 36 | 1 24 | 0 28 | 13 41 | 0 51 | 12 28 | 2 32 | 12 30 | 0 48 | 22 3 | 1 10 | 3 14 | 15 28 | 18 2 | 18 20 | 4 59 | 10 55 | 1 12 |
| W31 | 7n 1 | 17s49 | 0n 3 | 13n44 | 1n39 | 14s11 | 3s43 | 1s41 | 0n27 | 13s44 | 0n50 | 12n27 | 2s32 | 12s31 | 0s48 | 22s 4 | 1n10 | 3n13 | 15n27 | 18n 2 | 18n19 | 5s 3 | 10n54 | 1n12 |

Julian Day Number = 2085789.5, Delta T = 24m30s
Ecliptic obliquity = 23°34'14, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°46'58, Lahiri = 9°53'59 Julian Calendar 1 Aug. 998 == Greg. Calendar 6 Aug. 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## SEPTEMBER 998 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 23 0 28 | 13♍12'03 | 2♐ 4 | 29♌54 | 28♎36 | 5♎55 | 9♏ 2 | 9°R52 | 29°R18 | 20♐24 | 29♎14 | 20♉44 | 21♉44 | 19♎26 | 25°R 8 | T 1 |
| F 2 | 23 4 25 | 14°10'48 | 14°15 | 1♍39 | 29°27 | 6°35 | 9°12 | 9♉50 | 29♒15 | 20°24 | 29°16 | 20°R44 | 21°41 | 19°33 | 25♈ 6 | F 2 |
| S 3 | 23 8 21 | 15° 9'35 | 26°44 | 3°26 | 0♏17 | 7°15 | 9°22 | 9°48 | 29°13 | 20°25 | 29°18 | 20°44 | 21°38 | 19°40 | 25° 4 | S 3 |
| S 4 | 23 12 18 | 16° 8'23 | 9♑37 | 5°15 | 1° 6 | 7°55 | 9°32 | 9°47 | 29°11 | 20°25 | 29°20 | 20°41 | 21°35 | 19°46 | 25° 2 | S 4 |
| M 5 | 23 16 14 | 17° 7'13 | 22°58 | 7° 3 | 1°54 | 8°35 | 9°43 | 9°45 | 29° 9 | 20°25 | 29°22 | 20°37 | 21°31 | 19°53 | 25° 0 | M 5 |
| T 6 | 23 20 11 | 18° 6'05 | 6♒48 | 8°53 | 2°42 | 9°16 | 9°53 | 9°43 | 29° 6 | 20°25 | 29°24 | 20°30 | 21°28 | 20° 0 | 24°58 | T 6 |
| W 7 | 23 24 7 | 19° 4'58 | 21° 6 | 10°42 | 3°29 | 9°56 | 10° 4 | 9°41 | 29° 4 | 20°26 | 29°26 | 20°21 | 21°25 | 20° 6 | 24°56 | W 7 |
| T 8 | 23 28 4 | 20° 3'54 | 5♓49 | 12°32 | 4°15 | 10°37 | 10°14 | 9°38 | 29° 2 | 20°26 | 29°28 | 20°11 | 21°22 | 20°13 | 24°54 | T 8 |
| F 9 | 23 32 0 | 21° 2'51 | 20°49 | 14°21 | 5° 0 | 11°17 | 10°25 | 9°36 | 29° 0 | 20°26 | 29°30 | 20° 2 | 21°19 | 20°20 | 24°51 | F 9 |
| S 10 | 23 35 57 | 22° 1'51 | 5♈57 | 16°11 | 5°44 | 11°58 | 10°36 | 9°34 | 28°58 | 20°27 | 29°32 | 19°55 | 21°16 | 20°26 | 24°49 | S 10 |
| S 11 | 23 39 54 | 23° 0'52 | 21° 3 | 17°59 | 6°27 | 12°38 | 10°47 | 9°31 | 28°56 | 20°27 | 29°34 | 19°49 | 21°12 | 20°33 | 24°47 | S 11 |
| M12 | 23 43 50 | 23°59'56 | 5♉58 | 19°48 | 7° 9 | 13°19 | 10°58 | 9°29 | 28°53 | 20°28 | 29°36 | 19°47 | 21° 9 | 20°40 | 24°45 | M12 |
| T 13 | 23 47 47 | 24°59'02 | 20°35 | 21°35 | 7°51 | 13°59 | 11° 9 | 9°26 | 28°51 | 20°28 | 29°38 | 19°D46 | 21° 6 | 20°46 | 24°42 | T 13 |
| W14 | 23 51 43 | 25°58'11 | 4♊51 | 23°23 | 8°31 | 14°40 | 11°20 | 9°23 | 28°49 | 20°29 | 29°40 | 19°46 | 21° 3 | 20°53 | 24°40 | W14 |
| T 15 | 23 55 40 | 26°57'22 | 18°43 | 25° 9 | 9°10 | 15°21 | 11°31 | 9°20 | 28°47 | 20°29 | 29°42 | 19°47 | 21° 0 | 21° 0 | 24°37 | T 15 |
| F 16 | 23 59 36 | 27°56'36 | 2♋13 | 26°55 | 9°48 | 16° 2 | 11°42 | 9°17 | 28°45 | 20°30 | 29°44 | 19°R48 | 20°56 | 21° 6 | 24°35 | F 16 |
| S 17 | 0 3 33 | 28°55'51 | 15°23 | 28°40 | 10°24 | 16°43 | 11°54 | 9°14 | 28°43 | 20°31 | 29°46 | 19°46 | 20°53 | 21°13 | 24°32 | S 17 |
| S 18 | 0 7 29 | 29°55'10 | 28°16 | 0♎24 | 11° 0 | 17°24 | 12° 5 | 9°11 | 28°41 | 20°31 | 29°48 | 19°43 | 20°50 | 21°20 | 24°30 | S 18 |
| M19 | 0 11 26 | 0♎54'30 | 10♌54 | 2° 7 | 11°34 | 18° 5 | 12°17 | 9° 8 | 28°39 | 20°32 | 29°51 | 19°37 | 20°47 | 21°26 | 24°27 | M19 |
| T 20 | 0 15 23 | 1°53'53 | 23°19 | 3°50 | 12° 7 | 18°46 | 12°28 | 9° 5 | 28°37 | 20°33 | 29°53 | 19°29 | 20°44 | 21°33 | 24°25 | T 20 |
| W21 | 0 19 19 | 2°53'18 | 5♍34 | 5°32 | 12°38 | 19°27 | 12°40 | 9° 1 | 28°36 | 20°34 | 29°55 | 19°21 | 20°41 | 21°40 | 24°22 | W21 |
| T 22 | 0 23 16 | 3°52'45 | 17°40 | 7°13 | 13° 8 | 20° 8 | 12°52 | 8°58 | 28°34 | 20°34 | 29°57 | 19°12 | 20°37 | 21°46 | 24°19 | T 22 |
| F 23 | 0 27 12 | 4°52'15 | 29°38 | 8°54 | 13°37 | 20°50 | 13° 3 | 8°54 | 28°32 | 20°35 | 29°59 | 19° 3 | 20°34 | 21°53 | 24°17 | F 23 |
| S 24 | 0 31 9 | 5°51'46 | 11♎31 | 10°34 | 14° 4 | 21°31 | 13°15 | 8°50 | 28°30 | 20°36 | 0♏ 2 | 18°56 | 20°31 | 22° 0 | 24°14 | S 24 |
| S 25 | 0 35 5 | 6°51'19 | 23°20 | 12°13 | 14°29 | 22°12 | 13°27 | 8°47 | 28°28 | 20°37 | 0° 4 | 18°51 | 20°28 | 22° 6 | 24°11 | S 25 |
| M26 | 0 39 2 | 7°50'55 | 5♏ 7 | 13°51 | 14°53 | 22°54 | 13°39 | 8°43 | 28°27 | 20°38 | 0° 6 | 18°48 | 20°25 | 22°13 | 24° 9 | M26 |
| T 27 | 0 42 58 | 8°50'32 | 16°55 | 15°29 | 15°14 | 23°35 | 13°51 | 8°39 | 28°25 | 20°39 | 0° 9 | 18°D47 | 20°21 | 22°20 | 24° 6 | T 27 |
| W28 | 0 46 55 | 9°50'12 | 28°46 | 17° 6 | 15°34 | 24°17 | 14° 3 | 8°35 | 28°23 | 20°40 | 0°11 | 18°47 | 20°18 | 22°26 | 24° 3 | W28 |
| T 29 | 0 50 52 | 10°49'53 | 10♐45 | 18°43 | 15°52 | 24°58 | 14°16 | 8°31 | 28°22 | 20°41 | 0°13 | 18°49 | 20°15 | 22°33 | 24° 0 | T 29 |
| F 30 | 0 54 48 | 11♎49'36 | 22♐56 | 20♎19 | 16♏ 9 | 25♎40 | 14♏28 | 8♉27 | 28♒20 | 20♐42 | 0♏16 | 18♉50 | 20♉12 | 22♎40 | 23♈58 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 6n38 | 21s40 | 1s 0 | 13n11 | 1n44 | 14s36 | 3s49 | 1s57 | 0n26 | 13s47 | 0n50 | 12n26 | 2s33 | 12s32 | 0s48 | 22s 4 | 1n10 | 3n12 | 15n27 | 18n 2 | 18n18 | 5s 6 | 10n53 | 1n12 |
| F 2 | 6 16 | 24 39 | 2 2 | 12 36 | 1 47 | 15 0 | 3 56 | 2 14 | 0 26 | 13 51 | 0 50 | 12 26 | 2 33 | 12 33 | 0 48 | 22 4 | 1 10 | 3 11 | 15 26 | 18 2 | 18 17 | 5 9 | 10 53 | 1 12 |
| S 3 | 5 53 | 26 31 | 3 0 | 12 0 | 1 49 | 15 24 | 4 2 | 2 30 | 0 25 | 13 54 | 0 50 | 12 25 | 2 33 | 12 33 | 0 48 | 22 4 | 1 10 | 3 10 | 15 26 | 18 2 | 18 16 | 5 12 | 10 52 | 1 12 |
| S 4 | 5 30 | 27 3 | 3 50 | 11 21 | 1 51 | 15 48 | 4 9 | 2 47 | 0 25 | 13 58 | 0 50 | 12 24 | 2 33 | 12 34 | 0 48 | 22 4 | 1 10 | 3 9 | 15 26 | 18 1 | 18 15 | 5 16 | 10 51 | 1 12 |
| M 5 | 5 7 | 26 2 | 4 30 | 10 41 | 1 51 | 16 11 | 4 15 | 3 3 | 0 24 | 14 1 | 0 49 | 12 23 | 2 33 | 12 35 | 0 48 | 22 4 | 1 10 | 3 8 | 15 25 | 18 0 | 18 15 | 5 19 | 10 50 | 1 12 |
| T 6 | 4 44 | 23 26 | 4 56 | 10 0 | 1 51 | 16 34 | 4 21 | 3 20 | 0 23 | 14 5 | 0 49 | 12 22 | 2 34 | 12 36 | 0 48 | 22 4 | 1 10 | 3 7 | 15 25 | 17 58 | 18 14 | 5 22 | 10 50 | 1 12 |
| W 7 | 4 21 | 19 20 | 5 4 | 9 18 | 1 51 | 16 56 | 4 28 | 3 36 | 0 23 | 14 8 | 0 49 | 12 22 | 2 34 | 12 36 | 0 48 | 22 4 | 1 10 | 3 6 | 15 24 | 17 56 | 18 13 | 5 25 | 10 49 | 1 12 |
| T 8 | 3 57 | 13 58 | 4 53 | 8 35 | 1 49 | 17 18 | 4 34 | 3 53 | 0 22 | 14 12 | 0 49 | 12 21 | 2 34 | 12 37 | 0 48 | 22 4 | 1 10 | 3 5 | 15 24 | 17 53 | 18 12 | 5 28 | 10 48 | 1 11 |
| F 9 | 3 34 | 7 40 | 4 22 | 7 50 | 1 47 | 17 39 | 4 40 | 4 9 | 0 22 | 14 15 | 0 49 | 12 20 | 2 34 | 12 38 | 0 48 | 22 4 | 1 9 | 3 4 | 15 24 | 17 51 | 18 11 | 5 32 | 10 47 | 1 11 |
| S 10 | 3 11 | 0 52 | 3 32 | 7 5 | 1 45 | 18 0 | 4 46 | 4 26 | 0 21 | 14 19 | 0 49 | 12 19 | 2 34 | 12 39 | 0 48 | 22 4 | 1 9 | 3 3 | 15 23 | 17 49 | 18 10 | 5 35 | 10 46 | 1 11 |
| S 11 | 2 47 | 5n59 | 2 28 | 6 20 | 1 42 | 18 20 | 4 53 | 4 42 | 0 20 | 14 22 | 0 48 | 12 18 | 2 35 | 12 39 | 0 48 | 22 4 | 1 9 | 3 2 | 15 23 | 17 47 | 18 10 | 5 38 | 10 45 | 1 11 |
| M12 | 2 24 | 12 26 | 1 13 | 5 34 | 1 38 | 18 40 | 4 59 | 4 59 | 0 20 | 14 26 | 0 48 | 12 17 | 2 35 | 12 40 | 0 48 | 22 4 | 1 9 | 3 1 | 15 23 | 17 47 | 18 9 | 5 41 | 10 44 | 1 11 |
| T 13 | 2 0 | 18 4 | 0n 4 | 4 48 | 1 35 | 19 0 | 5 5 | 5 15 | 0 19 | 14 30 | 0 48 | 12 16 | 2 35 | 12 41 | 0 48 | 22 4 | 1 9 | 3 0 | 15 22 | 17 46 | 18 8 | 5 44 | 10 43 | 1 11 |
| W14 | 1 37 | 22 32 | 1 20 | 4 2 | 1 30 | 19 19 | 5 11 | 5 32 | 0 19 | 14 33 | 0 48 | 12 15 | 2 35 | 12 42 | 0 48 | 22 5 | 1 9 | 2 59 | 15 22 | 17 47 | 18 7 | 5 48 | 10 43 | 1 11 |
| T 15 | 1 13 | 25 34 | 2 29 | 3 15 | 1 26 | 19 37 | 5 16 | 5 48 | 0 18 | 14 37 | 0 48 | 12 14 | 2 35 | 12 42 | 0 48 | 22 5 | 1 9 | 2 58 | 15 22 | 17 47 | 18 6 | 5 51 | 10 42 | 1 11 |
| F 16 | 0 49 | 27 1 | 3 28 | 2 28 | 1 21 | 19 55 | 5 22 | 6 4 | 0 17 | 14 40 | 0 48 | 12 13 | 2 35 | 12 43 | 0 48 | 22 5 | 1 9 | 2 57 | 15 21 | 17 47 | 18 5 | 5 54 | 10 41 | 1 11 |
| S 17 | 0 26 | 26 53 | 4 14 | 1 42 | 1 16 | 20 12 | 5 28 | 6 21 | 0 17 | 14 44 | 0 47 | 12 12 | 2 36 | 12 44 | 0 48 | 22 5 | 1 9 | 2 56 | 15 21 | 17 47 | 18 5 | 5 57 | 10 40 | 1 11 |
| S 18 | 0 2 | 25 18 | 4 46 | 0 55 | 1 10 | 20 29 | 5 33 | 6 37 | 0 16 | 14 48 | 0 47 | 12 10 | 2 36 | 12 44 | 0 48 | 22 5 | 1 9 | 2 55 | 15 21 | 17 46 | 18 4 | 6 1 | 10 39 | 1 11 |
| M19 | 0s22 | 22 28 | 5 4 | 0 8 | 1 5 | 20 45 | 5 39 | 6 53 | 0 16 | 14 51 | 0 47 | 12 9 | 2 36 | 12 45 | 0 48 | 22 5 | 1 9 | 2 54 | 15 20 | 17 44 | 18 3 | 6 4 | 10 38 | 1 11 |
| T 20 | 0 46 | 18 38 | 5 7 | 0s38 | 0 59 | 21 0 | 5 44 | 7 10 | 0 15 | 14 55 | 0 47 | 12 8 | 2 36 | 12 46 | 0 48 | 22 5 | 1 9 | 2 53 | 15 20 | 17 42 | 18 2 | 6 7 | 10 37 | 1 11 |
| W21 | 1 9 | 14 6 | 4 55 | 1 24 | 0 53 | 21 15 | 5 49 | 7 26 | 0 14 | 14 59 | 0 47 | 12 7 | 2 36 | 12 46 | 0 48 | 22 5 | 1 9 | 2 52 | 15 20 | 17 40 | 18 1 | 6 10 | 10 36 | 1 11 |
| T 22 | 1 33 | 9 3 | 4 31 | 2 10 | 0 47 | 21 29 | 5 54 | 7 42 | 0 14 | 15 3 | 0 47 | 12 6 | 2 36 | 12 47 | 0 48 | 22 5 | 1 9 | 2 51 | 15 20 | 17 37 | 18 0 | 6 13 | 10 35 | 1 11 |
| F 23 | 1 57 | 3 44 | 3 54 | 2 56 | 0 40 | 21 42 | 5 59 | 7 58 | 0 13 | 15 6 | 0 47 | 12 4 | 2 36 | 12 48 | 0 48 | 22 5 | 1 9 | 2 50 | 15 19 | 17 35 | 17 59 | 6 17 | 10 34 | 1 11 |
| S 24 | 2 20 | 1s42 | 3 8 | 3 41 | 0 34 | 21 55 | 6 3 | 8 14 | 0 12 | 15 10 | 0 46 | 12 3 | 2 37 | 12 48 | 0 48 | 22 6 | 1 9 | 2 49 | 15 19 | 17 33 | 17 59 | 6 20 | 10 33 | 1 11 |
| S 25 | 2 44 | 7 3 | 2 14 | 4 26 | 0 27 | 22 7 | 6 8 | 8 31 | 0 12 | 15 14 | 0 46 | 12 2 | 2 37 | 12 49 | 0 48 | 22 6 | 1 9 | 2 48 | 15 19 | 17 31 | 17 58 | 6 23 | 10 32 | 1 11 |
| M26 | 3 8 | 12 9 | 1 14 | 5 11 | 0 21 | 22 18 | 6 12 | 8 47 | 0 11 | 15 17 | 0 46 | 12 0 | 2 37 | 12 49 | 0 47 | 22 6 | 1 9 | 2 47 | 15 19 | 17 31 | 17 57 | 6 26 | 10 31 | 1 11 |
| T 27 | 3 31 | 16 49 | 0 10 | 5 55 | 0 14 | 22 28 | 6 16 | 9 3 | 0 11 | 15 21 | 0 46 | 11 59 | 2 37 | 12 50 | 0 47 | 22 6 | 1 9 | 2 46 | 15 18 | 17 30 | 17 56 | 6 29 | 10 29 | 1 11 |
| W28 | 3 55 | 20 53 | 0s54 | 6 38 | 0 7 | 22 38 | 6 19 | 9 19 | 0 10 | 15 25 | 0 46 | 11 58 | 2 37 | 12 50 | 0 47 | 22 6 | 1 9 | 2 45 | 15 18 | 17 30 | 17 55 | 6 33 | 10 28 | 1 11 |
| T 29 | 4 19 | 24 7 | 1 57 | 7 22 | 0 1 | 22 46 | 6 23 | 9 34 | 0 9 | 15 29 | 0 46 | 11 56 | 2 37 | 12 51 | 0 47 | 22 6 | 1 9 | 2 44 | 15 18 | 17 31 | 17 54 | 6 36 | 10 27 | 1 11 |
| F 30 | 4s42 | 26s18 | 2s56 | 8s 4 | 0s 6 | 22s54 | 6s26 | 9s50 | 0n 9 | 15s32 | 0n46 | 11n55 | 2s37 | 12s51 | 0s47 | 22s 6 | 1n 9 | 2n43 | 15n18 | 17n31 | 17n54 | 6s39 | 10n26 | 1n10 |

Julian Day Number = 2085820.5, Delta T = 24m29s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'02, Lahiri = 9°54'03 Julian Calendar 1 Sept. 998 == Greg. Calendar 6 Sept. 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## OCTOBER 998 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 58 45 | 12♎49'21 | 5♉23 | 21♎54 | 16♏23 | 26♎22 | 14♏40 | 8°R23 | 28°R19 | 20♐43 | 0♏18 | 18♉52 | 20♉ 9 | 22♎46 | 23°R55 | S 1 |
| S 2 | 1 2 41 | 13°49'08 | 18°11 | 23°29 | 16°35 | 27° 3 | 14°53 | 8♉19 | 28♒17 | 20°44 | 0°20 | 18°R52 | 20° 6 | 22°53 | 23♈52 | S 2 |
| M 3 | 1 6 38 | 14°48'57 | 1♒25 | 25° 3 | 16°45 | 27°45 | 15° 5 | 8°15 | 28°16 | 20°45 | 0°23 | 18°50 | 20° 2 | 23° 0 | 23°49 | M 3 |
| T 4 | 1 10 34 | 15°48'47 | 15° 7 | 26°36 | 16°52 | 28°27 | 15°17 | 8°10 | 28°15 | 20°47 | 0°25 | 18°48 | 19°59 | 23° 6 | 23°46 | T 4 |
| W 5 | 1 14 31 | 16°48'39 | 29°17 | 28° 9 | 16°58 | 29° 9 | 15°30 | 8° 6 | 28°13 | 20°48 | 0°27 | 18°44 | 19°56 | 23°13 | 23°43 | W 5 |
| T 6 | 1 18 27 | 17°48'32 | 13♓54 | 29°42 | 17° 1 | 29°51 | 15°43 | 8° 2 | 28°12 | 20°49 | 0°30 | 18°39 | 19°53 | 23°19 | 23°41 | T 6 |
| F 7 | 1 22 24 | 18°48'27 | 28°54 | 1♏13 | 17°R 2 | 0♏33 | 15°55 | 7°57 | 28°11 | 20°50 | 0°32 | 18°35 | 19°50 | 23°26 | 23°38 | F 7 |
| S 8 | 1 26 21 | 19°48'24 | 14♈ 6 | 2°45 | 17° 0 | 1°15 | 16° 8 | 7°53 | 28° 9 | 20°52 | 0°34 | 18°31 | 19°47 | 23°33 | 23°35 | S 8 |
| S 9 | 1 30 17 | 20°48'23 | 29°22 | 4°16 | 16°56 | 1°57 | 16°21 | 7°48 | 28° 8 | 20°53 | 0°37 | 18°29 | 19°43 | 23°39 | 23°32 | S 9 |
| M10 | 1 34 14 | 21°48'24 | 14♉32 | 5°46 | 16°50 | 2°39 | 16°33 | 7°43 | 28° 7 | 20°54 | 0°39 | 18°D28 | 19°40 | 23°46 | 23°29 | M10 |
| T 11 | 1 38 10 | 22°48'28 | 29°26 | 7°16 | 16°41 | 3°22 | 16°46 | 7°39 | 28° 6 | 20°56 | 0°42 | 18°28 | 19°37 | 23°53 | 23°26 | T 11 |
| W12 | 1 42 7 | 23°48'33 | 13♊57 | 8°45 | 16°30 | 4° 4 | 16°59 | 7°34 | 28° 5 | 20°57 | 0°44 | 18°29 | 19°34 | 23°59 | 23°23 | W12 |
| T 13 | 1 46 3 | 24°48'41 | 28° 3 | 10°14 | 16°16 | 4°46 | 17°12 | 7°29 | 28° 4 | 20°59 | 0°47 | 18°31 | 19°31 | 24° 6 | 23°20 | T 13 |
| F 14 | 1 50 0 | 25°48'50 | 11♋42 | 11°43 | 16° 0 | 5°29 | 17°25 | 7°25 | 28° 3 | 21° 0 | 0°49 | 18°32 | 19°27 | 24°13 | 23°18 | F 14 |
| S 15 | 1 53 56 | 26°49'02 | 24°56 | 13°10 | 15°41 | 6°11 | 17°38 | 7°20 | 28° 2 | 21° 2 | 0°51 | 18°R32 | 19°24 | 24°19 | 23°15 | S 15 |
| S 16 | 1 57 53 | 27°49'16 | 7♌48 | 14°38 | 15°21 | 6°54 | 17°51 | 7°15 | 28° 1 | 21° 3 | 0°54 | 18°32 | 19°21 | 24°26 | 23°12 | S 16 |
| M17 | 2 1 50 | 28°49'32 | 20°20 | 16° 4 | 14°58 | 7°36 | 18° 4 | 7°10 | 28° 0 | 21° 5 | 0°56 | 18°31 | 19°18 | 24°33 | 23° 9 | M17 |
| T 18 | 2 5 46 | 29°49'50 | 2♍37 | 17°30 | 14°33 | 8°19 | 18°17 | 7° 5 | 28° 0 | 21° 6 | 0°59 | 18°29 | 19°15 | 24°39 | 23° 6 | T 18 |
| W19 | 2 9 43 | 0♏50'10 | 14°43 | 18°56 | 14° 6 | 9° 2 | 18°30 | 7° 1 | 27°59 | 21° 8 | 1° 1 | 18°26 | 19°12 | 24°46 | 23° 3 | W19 |
| T 20 | 2 13 39 | 1°50'32 | 26°40 | 20°20 | 13°37 | 9°44 | 18°43 | 6°56 | 27°58 | 21° 9 | 1° 4 | 18°23 | 19° 8 | 24°53 | 23° 0 | T 20 |
| F 21 | 2 17 36 | 2°50'55 | 8♎32 | 21°44 | 13° 7 | 10°27 | 18°56 | 6°51 | 27°58 | 21°11 | 1° 6 | 18°21 | 19° 5 | 24°59 | 22°58 | F 21 |
| S 22 | 2 21 32 | 3°51'21 | 20°20 | 23° 7 | 12°35 | 11°10 | 19° 9 | 6°46 | 27°57 | 21°13 | 1° 8 | 18°18 | 19° 2 | 25° 6 | 22°55 | S 22 |
| S 23 | 2 25 29 | 4°51'48 | 2♏ 8 | 24°30 | 12° 2 | 11°53 | 19°23 | 6°41 | 27°56 | 21°14 | 1°11 | 18°17 | 18°59 | 25°13 | 22°52 | S 23 |
| M24 | 2 29 25 | 5°52'18 | 13°58 | 25°51 | 11°27 | 12°36 | 19°36 | 6°36 | 27°56 | 21°16 | 1°13 | 18°D16 | 18°56 | 25°19 | 22°49 | M24 |
| T 25 | 2 33 22 | 6°52'48 | 25°50 | 27°11 | 10°52 | 13°19 | 19°49 | 6°31 | 27°56 | 21°18 | 1°16 | 18°17 | 18°53 | 25°26 | 22°46 | T 25 |
| W26 | 2 37 18 | 7°53'21 | 7♐49 | 28°30 | 10°16 | 14° 2 | 20° 2 | 6°26 | 27°55 | 21°20 | 1°18 | 18°17 | 18°49 | 25°33 | 22°44 | W26 |
| T 27 | 2 41 15 | 8°53'54 | 19°55 | 29°47 | 9°40 | 14°45 | 20°16 | 6°21 | 27°55 | 21°21 | 1°21 | 18°18 | 18°46 | 25°39 | 22°41 | T 27 |
| F 28 | 2 45 12 | 9°54'30 | 2♑13 | 1♐ 3 | 9° 4 | 15°28 | 20°29 | 6°16 | 27°55 | 21°23 | 1°23 | 18°19 | 18°43 | 25°46 | 22°38 | F 28 |
| S 29 | 2 49 8 | 10°55'06 | 14°44 | 2°18 | 8°27 | 16°12 | 20°42 | 6°12 | 27°54 | 21°25 | 1°25 | 18°20 | 18°40 | 25°53 | 22°35 | S 29 |
| S 30 | 2 53 5 | 11°55'44 | 27°33 | 3°30 | 7°51 | 16°55 | 20°56 | 6° 7 | 27°54 | 21°27 | 1°28 | 18°20 | 18°37 | 25°59 | 22°33 | S 30 |
| M31 | 2 57 1 | 12♏56'23 | 10♒42 | 4♐40 | 7♏16 | 17♏38 | 21♏ 9 | 6♉ 2 | 27♒54 | 21♐29 | 1♏30 | 18°R21 | 18♉33 | 26♎ 6 | 22♈30 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 5 | 27s15 | 3s47 | 8s47 | 0s13 | 23s 1 | 6s28 | 10s 6 | 0n 8 | 15s36 | 0n45 | 11n54 | 2s37 | 12s52 | 0s47 | 22s 6 | 1n 8 | 2n42 | 15n17 | 17n32 | 17n53 | 6s42 | 10n25 | 1n10 |
| S 2 | 5 29 | 26 46 | 4 29 | 9 28 | 0 20 | 23 7 | 6 31 | 10 22 | 0 8 | 15 40 | 0 45 | 11 52 | 2 37 | 12 52 | 0 47 | 22 6 | 1 8 | 2 41 | 15 17 | 17 32 | 17 52 | 6 45 | 10 24 | 1 10 |
| M 3 | 5 52 | 24 48 | 4 59 | 10 9 | 0 26 | 23 11 | 6 33 | 10 37 | 0 7 | 15 44 | 0 45 | 11 51 | 2 38 | 12 53 | 0 47 | 22 7 | 1 8 | 2 40 | 15 17 | 17 31 | 17 51 | 6 49 | 10 23 | 1 10 |
| T 4 | 6 15 | 21 21 | 5 12 | 10 50 | 0 33 | 23 15 | 6 34 | 10 53 | 0 6 | 15 48 | 0 45 | 11 49 | 2 38 | 12 53 | 0 47 | 22 7 | 1 8 | 2 39 | 15 17 | 17 31 | 17 50 | 6 52 | 10 22 | 1 10 |
| W 5 | 6 38 | 16 35 | 5 8 | 11 30 | 0 40 | 23 18 | 6 35 | 11 9 | 0 6 | 15 51 | 0 45 | 11 48 | 2 38 | 12 54 | 0 47 | 22 7 | 1 8 | 2 38 | 15 17 | 17 29 | 17 49 | 6 55 | 10 21 | 1 10 |
| T 6 | 7 2 | 10 43 | 4 43 | 12 9 | 0 47 | 23 20 | 6 36 | 11 24 | 0 5 | 15 55 | 0 45 | 11 46 | 2 38 | 12 54 | 0 47 | 22 7 | 1 8 | 2 37 | 15 17 | 17 28 | 17 48 | 6 58 | 10 20 | 1 10 |
| F 7 | 7 24 | 4 6 | 3 59 | 12 48 | 0 53 | 23 20 | 6 36 | 11 40 | 0 4 | 15 59 | 0 45 | 11 45 | 2 38 | 12 55 | 0 47 | 22 7 | 1 8 | 2 36 | 15 16 | 17 27 | 17 48 | 7 1 | 10 18 | 1 10 |
| S 8 | 7 47 | 2n52 | 2 58 | 13 26 | 1 0 | 23 19 | 6 36 | 11 55 | 0 4 | 16 3 | 0 45 | 11 43 | 2 38 | 12 55 | 0 47 | 22 7 | 1 8 | 2 35 | 15 16 | 17 26 | 17 47 | 7 5 | 10 17 | 1 10 |
| S 9 | 8 10 | 9 42 | 1 43 | 14 3 | 1 6 | 23 18 | 6 35 | 12 10 | 0 3 | 16 6 | 0 44 | 11 42 | 2 38 | 12 55 | 0 47 | 22 7 | 1 8 | 2 35 | 15 16 | 17 25 | 17 46 | 7 8 | 10 16 | 1 10 |
| M10 | 8 33 | 15 57 | 0 22 | 14 39 | 1 13 | 23 14 | 6 34 | 12 25 | 0 3 | 16 10 | 0 44 | 11 40 | 2 38 | 12 56 | 0 47 | 22 8 | 1 8 | 2 34 | 15 16 | 17 25 | 17 45 | 7 11 | 10 15 | 1 10 |
| T 11 | 8 55 | 21 7 | 1n 0 | 15 15 | 1 19 | 23 10 | 6 32 | 12 40 | 0 2 | 16 14 | 0 44 | 11 39 | 2 38 | 12 56 | 0 47 | 22 8 | 1 8 | 2 33 | 15 16 | 17 25 | 17 44 | 7 14 | 10 14 | 1 10 |
| W12 | 9 17 | 24 51 | 2 16 | 15 50 | 1 25 | 23 4 | 6 30 | 12 55 | 0 1 | 16 18 | 0 44 | 11 37 | 2 38 | 12 56 | 0 47 | 22 8 | 1 8 | 2 32 | 15 16 | 17 25 | 17 43 | 7 17 | 10 13 | 1 10 |
| T 13 | 9 40 | 26 54 | 3 21 | 16 24 | 1 31 | 22 57 | 6 26 | 13 10 | 0 1 | 16 22 | 0 44 | 11 36 | 2 38 | 12 57 | 0 47 | 22 8 | 1 8 | 2 31 | 15 16 | 17 26 | 17 42 | 7 21 | 10 12 | 1 10 |
| F 14 | 10 2 | 27 15 | 4 13 | 16 58 | 1 37 | 22 48 | 6 23 | 13 25 | 0 0 | 16 25 | 0 44 | 11 34 | 2 38 | 12 57 | 0 47 | 22 8 | 1 8 | 2 30 | 15 16 | 17 26 | 17 41 | 7 24 | 10 10 | 1 10 |
| S 15 | 10 24 | 26 0 | 4 49 | 17 30 | 1 42 | 22 39 | 6 18 | 13 40 | 0s 1 | 16 29 | 0 44 | 11 33 | 2 38 | 12 57 | 0 47 | 22 8 | 1 8 | 2 29 | 15 16 | 17 26 | 17 41 | 7 27 | 10 9 | 1 9 |
| S 16 | 10 45 | 23 24 | 5 10 | 18 2 | 1 48 | 22 27 | 6 13 | 13 55 | 0 1 | 16 33 | 0 44 | 11 31 | 2 38 | 12 58 | 0 47 | 22 8 | 1 8 | 2 28 | 15 15 | 17 26 | 17 40 | 7 30 | 10 8 | 1 9 |
| M17 | 11 7 | 19 46 | 5 15 | 18 33 | 1 53 | 22 15 | 6 7 | 14 9 | 0 2 | 16 37 | 0 43 | 11 29 | 2 38 | 12 58 | 0 47 | 22 8 | 1 8 | 2 27 | 15 15 | 17 26 | 17 39 | 7 33 | 10 7 | 1 9 |
| T 18 | 11 28 | 15 21 | 5 6 | 19 2 | 1 58 | 22 1 | 6 0 | 14 24 | 0 2 | 16 40 | 0 43 | 11 28 | 2 38 | 12 58 | 0 47 | 22 9 | 1 8 | 2 27 | 15 15 | 17 25 | 17 38 | 7 36 | 10 6 | 1 9 |
| W19 | 11 50 | 10 24 | 4 43 | 19 31 | 2 3 | 21 45 | 5 53 | 14 38 | 0 3 | 16 44 | 0 43 | 11 26 | 2 38 | 12 58 | 0 47 | 22 9 | 1 8 | 2 26 | 15 15 | 17 25 | 17 37 | 7 40 | 10 5 | 1 9 |
| T 20 | 12 11 | 5 7 | 4 8 | 19 59 | 2 8 | 21 29 | 5 44 | 14 52 | 0 4 | 16 48 | 0 43 | 11 25 | 2 38 | 12 59 | 0 47 | 22 9 | 1 8 | 2 25 | 15 15 | 17 24 | 17 36 | 7 43 | 10 4 | 1 9 |
| F 21 | 12 32 | 0s18 | 3 23 | 20 25 | 2 12 | 21 11 | 5 36 | 15 6 | 0 4 | 16 52 | 0 43 | 11 23 | 2 38 | 12 59 | 0 47 | 22 9 | 1 8 | 2 24 | 15 15 | 17 23 | 17 35 | 7 46 | 10 2 | 1 9 |
| S 22 | 12 52 | 5 42 | 2 29 | 20 51 | 2 16 | 20 52 | 5 26 | 15 20 | 0 5 | 16 55 | 0 43 | 11 22 | 2 38 | 12 59 | 0 47 | 22 9 | 1 8 | 2 23 | 15 15 | 17 22 | 17 34 | 7 49 | 10 1 | 1 9 |
| S 23 | 13 13 | 10 54 | 1 28 | 21 15 | 2 20 | 20 31 | 5 16 | 15 34 | 0 5 | 16 59 | 0 43 | 11 20 | 2 38 | 12 59 | 0 47 | 22 9 | 1 8 | 2 22 | 15 15 | 17 22 | 17 34 | 7 52 | 10 0 | 1 9 |
| M24 | 13 33 | 15 44 | 0 24 | 21 39 | 2 23 | 20 10 | 5 4 | 15 48 | 0 6 | 17 3 | 0 43 | 11 18 | 2 38 | 12 59 | 0 47 | 22 9 | 1 8 | 2 22 | 15 15 | 17 22 | 17 33 | 7 56 | 9 59 | 1 9 |
| T 25 | 13 53 | 20 0 | 0s42 | 22 1 | 2 26 | 19 48 | 4 53 | 16 2 | 0 7 | 17 6 | 0 43 | 11 17 | 2 38 | 12 59 | 0 47 | 22 10 | 1 7 | 2 21 | 15 15 | 17 22 | 17 32 | 7 59 | 9 58 | 1 9 |
| W26 | 14 13 | 23 29 | 1 46 | 22 21 | 2 29 | 19 24 | 4 40 | 16 15 | 0 7 | 17 10 | 0 43 | 11 15 | 2 38 | 12 59 | 0 47 | 22 10 | 1 7 | 2 20 | 15 15 | 17 22 | 17 31 | 8 2 | 9 57 | 1 9 |
| T 27 | 14 33 | 25 58 | 2 47 | 22 41 | 2 31 | 19 1 | 4 27 | 16 29 | 0 8 | 17 14 | 0 42 | 11 14 | 2 38 | 12 59 | 0 46 | 22 10 | 1 7 | 2 19 | 15 15 | 17 22 | 17 30 | 8 5 | 9 56 | 1 8 |
| F 28 | 14 52 | 27 14 | 3 41 | 22 59 | 2 33 | 18 36 | 4 14 | 16 42 | 0 9 | 17 17 | 0 42 | 11 12 | 2 38 | 12 59 | 0 46 | 22 10 | 1 7 | 2 18 | 15 15 | 17 23 | 17 29 | 8 8 | 9 55 | 1 8 |
| S 29 | 15 11 | 27 8 | 4 25 | 23 15 | 2 34 | 18 11 | 4 0 | 16 55 | 0 9 | 17 21 | 0 42 | 11 11 | 2 38 | 13 0 | 0 46 | 22 10 | 1 7 | 2 18 | 15 15 | 17 23 | 17 28 | 8 11 | 9 53 | 1 8 |
| S 30 | 15 30 | 25 37 | 4 57 | 23 30 | 2 35 | 17 45 | 3 46 | 17 8 | 0 10 | 17 25 | 0 42 | 11 9 | 2 38 | 13 0 | 0 46 | 22 10 | 1 7 | 2 17 | 15 15 | 17 23 | 17 27 | 8 15 | 9 52 | 1 8 |
| M31 | 15s48 | 22s42 | 5s15 | 23s44 | 2s35 | 17s20 | 3s31 | 17s21 | 0s10 | 17s28 | 0n42 | 11n 8 | 2s38 | 13s 0 | 0s46 | 22s11 | 1n 7 | 2n16 | 15n15 | 17n23 | 17n27 | 8s18 | 9n51 | 1n 8 |

Julian Day Number = 2085850.5, Delta T = 24m29s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'06, Lahiri = 9°54'07 Julian Calendar 1 Oct. 998 == Greg. Calendar 6 Oct. 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## NOVEMBER 998 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 3 0 58 | 13♏57'04 | 24♒14 | 5♐47 | 6°R42 | 18♏22 | 21♏23 | 5°R57 | 27°R54 | 21♐31 | 1♏33 | 18°R20 | 18♉30 | 26♎13 | 22°R27 | T 1 |
| W 2 | 3 4 54 | 14°57'45 | 8♓10 | 6°51 | 6♏ 8 | 19° 5 | 21°36 | 5♉52 | 27°D54 | 21°32 | 1°35 | 18♉20 | 18°27 | 26°19 | 22♈25 | W 2 |
| T 3 | 3 8 51 | 15°58'27 | 22°30 | 7°53 | 5°36 | 19°49 | 21°50 | 5°47 | 27♒54 | 21°34 | 1°37 | 18°20 | 18°24 | 26°26 | 22°22 | T 3 |
| F 4 | 3 12 48 | 16°59'11 | 7♈12 | 8°50 | 5° 5 | 20°32 | 22° 3 | 5°43 | 27°54 | 21°36 | 1°40 | 18°20 | 18°21 | 26°33 | 22°20 | F 4 |
| S 5 | 3 16 44 | 17°59'56 | 22°11 | 9°43 | 4°36 | 21°16 | 22°16 | 5°38 | 27°54 | 21°38 | 1°42 | 18°D20 | 18°18 | 26°39 | 22°17 | S 5 |
| S 6 | 3 20 41 | 19° 0'41 | 7♉18 | 10°31 | 4° 9 | 21°59 | 22°30 | 5°33 | 27°54 | 21°40 | 1°44 | 18°20 | 18°14 | 26°46 | 22°15 | S 6 |
| M 7 | 3 24 37 | 20° 1'29 | 22°26 | 11°14 | 3°43 | 22°43 | 22°43 | 5°28 | 27°55 | 21°42 | 1°47 | 18°R20 | 18°11 | 26°53 | 22°12 | M 7 |
| T 8 | 3 28 34 | 21° 2'17 | 7♊24 | 11°51 | 3°20 | 23°27 | 22°57 | 5°24 | 27°55 | 21°44 | 1°49 | 18°20 | 18° 8 | 26°59 | 22°10 | T 8 |
| W 9 | 3 32 30 | 22° 3'07 | 22° 5 | 12°20 | 2°59 | 24°11 | 23°10 | 5°19 | 27°55 | 21°46 | 1°51 | 18°19 | 18° 5 | 27° 6 | 22° 7 | W 9 |
| T 10 | 3 36 27 | 23° 3'58 | 6♋23 | 12°42 | 2°41 | 24°55 | 23°24 | 5°15 | 27°56 | 21°48 | 1°54 | 18°19 | 18° 2 | 27°13 | 22° 5 | T 10 |
| F 11 | 3 40 23 | 24° 4'51 | 20°14 | 12°55 | 2°25 | 25°38 | 23°37 | 5°10 | 27°56 | 21°50 | 1°56 | 18°18 | 17°59 | 27°19 | 22° 2 | F 11 |
| S 12 | 3 44 20 | 25° 5'45 | 3♌37 | 12°R59 | 2°11 | 26°22 | 23°51 | 5° 6 | 27°57 | 21°52 | 1°58 | 18°18 | 17°55 | 27°26 | 22° 0 | S 12 |
| S 13 | 3 48 17 | 26° 6'41 | 16°35 | 12°53 | 2° 0 | 27° 6 | 24° 4 | 5° 1 | 27°57 | 21°54 | 2° 1 | 18°17 | 17°52 | 27°32 | 21°58 | S 13 |
| M14 | 3 52 13 | 27° 7'37 | 29°10 | 12°36 | 1°51 | 27°51 | 24°18 | 4°57 | 27°58 | 21°57 | 2° 3 | 18°D17 | 17°49 | 27°39 | 21°56 | M14 |
| T 15 | 3 56 10 | 28° 8'36 | 11♍27 | 12° 8 | 1°45 | 28°35 | 24°31 | 4°53 | 27°58 | 21°59 | 2° 5 | 18°17 | 17°46 | 27°46 | 21°53 | T 15 |
| W16 | 4 0 6 | 29° 9'35 | 23°29 | 11°28 | 1°41 | 29°19 | 24°45 | 4°48 | 27°59 | 22° 1 | 2° 7 | 18°18 | 17°43 | 27°52 | 21°51 | W16 |
| T 17 | 4 4 3 | 0♐10'35 | 5♎23 | 10°38 | 1°D40 | 0♐ 3 | 24°58 | 4°44 | 28° 0 | 22° 3 | 2°10 | 18°19 | 17°39 | 27°59 | 21°49 | T 17 |
| F 18 | 4 7 59 | 1°11'37 | 17°11 | 9°37 | 1°41 | 0°47 | 25°12 | 4°40 | 28° 1 | 22° 5 | 2°12 | 18°20 | 17°36 | 28° 6 | 21°47 | F 18 |
| S 19 | 4 11 56 | 2°12'40 | 28°58 | 8°28 | 1°45 | 1°32 | 25°25 | 4°36 | 28° 1 | 22° 7 | 2°14 | 18°22 | 17°33 | 28°12 | 21°45 | S 19 |
| S 20 | 4 15 52 | 3°13'44 | 10♏47 | 7°11 | 1°51 | 2°16 | 25°39 | 4°32 | 28° 2 | 22° 9 | 2°16 | 18°22 | 17°30 | 28°19 | 21°43 | S 20 |
| M21 | 4 19 49 | 4°14'48 | 22°42 | 5°50 | 1°59 | 3° 0 | 25°52 | 4°28 | 28° 3 | 22°12 | 2°18 | 18°R22 | 17°27 | 28°26 | 21°41 | M21 |
| T 22 | 4 23 46 | 5°15'54 | 4♐43 | 4°27 | 2°10 | 3°45 | 26° 6 | 4°24 | 28° 4 | 22°14 | 2°20 | 18°22 | 17°24 | 28°32 | 21°39 | T 22 |
| W23 | 4 27 42 | 6°17'01 | 16°54 | 3° 5 | 2°22 | 4°30 | 26°19 | 4°20 | 28° 5 | 22°16 | 2°23 | 18°20 | 17°20 | 28°39 | 21°37 | W23 |
| T 24 | 4 31 39 | 7°18'08 | 29°16 | 1°47 | 2°37 | 5°14 | 26°32 | 4°17 | 28° 6 | 22°18 | 2°25 | 18°17 | 17°17 | 28°46 | 21°35 | T 24 |
| F 25 | 4 35 35 | 8°19'16 | 11♑49 | 0°35 | 2°54 | 5°59 | 26°46 | 4°13 | 28° 8 | 22°20 | 2°27 | 18°14 | 17°14 | 28°52 | 21°34 | F 25 |
| S 26 | 4 39 32 | 9°20'24 | 24°34 | 29♏30 | 3°13 | 6°43 | 26°59 | 4° 9 | 28° 9 | 22°23 | 2°29 | 18°11 | 17°11 | 28°59 | 21°32 | S 26 |
| S 27 | 4 43 28 | 10°21'33 | 7♒34 | 28°36 | 3°34 | 7°28 | 27°13 | 4° 6 | 28°10 | 22°25 | 2°31 | 18° 8 | 17° 8 | 29° 6 | 21°30 | S 27 |
| M28 | 4 47 25 | 11°22'42 | 20°48 | 27°52 | 3°57 | 8°13 | 27°26 | 4° 3 | 28°11 | 22°27 | 2°33 | 18° 5 | 17° 5 | 29°12 | 21°29 | M28 |
| T 29 | 4 51 21 | 12°23'51 | 4♓18 | 27°18 | 4°22 | 8°58 | 27°39 | 3°59 | 28°13 | 22°29 | 2°35 | 18° 4 | 17° 1 | 29°19 | 21°27 | T 29 |
| W30 | 4 55 18 | 13♐25'01 | 18♓ 5 | 26♏56 | 4♏48 | 9♐43 | 27♏53 | 3♉56 | 28♒14 | 22♐32 | 2♏37 | 18°D 4 | 16♉58 | 29♎26 | 21♈26 | W30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 16s 7 | 18s29 | 5s16 | 23s55 | 2s34 | 16s54 | 3s16 | 17s34 | 0s11 | 17s32 | 0n42 | 11n 6 | 2s38 | 13s 0 | 0s46 | 22s11 | 1n 7 | 2n15 | 15n15 | 17n23 | 17n26 | 8s21 | 9n50 | 1n 8 |
| W 2 | 16 25 | 13 10 | 4 59 | 24 5 | 2 33 | 16 28 | 3 1 | 17 47 | 0 12 | 17 35 | 0 42 | 11 5 | 2 37 | 13 0 | 0 46 | 22 11 | 1 7 | 2 15 | 15 16 | 17 23 | 17 25 | 8 24 | 9 49 | 1 8 |
| T 3 | 16 43 | 7 1 | 4 23 | 24 14 | 2 31 | 16 3 | 2 45 | 17 59 | 0 12 | 17 39 | 0 42 | 11 3 | 2 37 | 12 59 | 0 46 | 22 11 | 1 7 | 2 14 | 15 16 | 17 23 | 17 24 | 8 27 | 9 48 | 1 8 |
| F 4 | 17 0 | 0 20 | 3 29 | 24 20 | 2 28 | 15 38 | 2 30 | 18 11 | 0 13 | 17 43 | 0 42 | 11 2 | 2 37 | 12 59 | 0 46 | 22 11 | 1 7 | 2 13 | 15 16 | 17 23 | 17 23 | 8 31 | 9 47 | 1 8 |
| S 5 | 17 17 | 6n31 | 2 20 | 24 25 | 2 25 | 15 13 | 2 14 | 18 24 | 0 14 | 17 46 | 0 42 | 11 0 | 2 37 | 12 59 | 0 46 | 22 11 | 1 7 | 2 13 | 15 16 | 17 23 | 17 22 | 8 34 | 9 46 | 1 8 |
| S 6 | 17 34 | 13 4 | 1 1 | 24 27 | 2 20 | 14 50 | 1 58 | 18 36 | 0 14 | 17 50 | 0 42 | 10 59 | 2 37 | 12 59 | 0 46 | 22 11 | 1 7 | 2 12 | 15 16 | 17 23 | 17 21 | 8 37 | 9 45 | 1 7 |
| M 7 | 17 51 | 18 51 | 0n23 | 24 27 | 2 14 | 14 26 | 1 43 | 18 47 | 0 15 | 17 53 | 0 41 | 10 57 | 2 37 | 12 59 | 0 46 | 22 12 | 1 7 | 2 11 | 15 16 | 17 23 | 17 20 | 8 40 | 9 44 | 1 7 |
| T 8 | 18 7 | 23 23 | 1 44 | 24 26 | 2 7 | 14 4 | 1 28 | 18 59 | 0 15 | 17 57 | 0 41 | 10 56 | 2 37 | 12 59 | 0 46 | 22 12 | 1 7 | 2 11 | 15 16 | 17 23 | 17 20 | 8 43 | 9 43 | 1 7 |
| W 9 | 18 23 | 26 17 | 2 57 | 24 21 | 1 59 | 13 43 | 1 12 | 19 11 | 0 16 | 18 0 | 0 41 | 10 54 | 2 37 | 12 59 | 0 46 | 22 12 | 1 7 | 2 10 | 15 16 | 17 23 | 17 19 | 8 46 | 9 42 | 1 7 |
| T 10 | 18 38 | 27 21 | 3 57 | 24 15 | 1 49 | 13 22 | 0 57 | 19 22 | 0 17 | 18 4 | 0 41 | 10 53 | 2 36 | 12 59 | 0 46 | 22 12 | 1 7 | 2 9 | 15 16 | 17 23 | 17 18 | 8 50 | 9 41 | 1 7 |
| F 11 | 18 54 | 26 39 | 4 40 | 24 6 | 1 38 | 13 3 | 0 43 | 19 33 | 0 17 | 18 7 | 0 41 | 10 52 | 2 36 | 12 58 | 0 46 | 22 12 | 1 7 | 2 9 | 15 17 | 17 22 | 17 17 | 8 53 | 9 40 | 1 7 |
| S 12 | 19 9 | 24 25 | 5 7 | 23 54 | 1 26 | 12 45 | 0 28 | 19 44 | 0 18 | 18 10 | 0 41 | 10 50 | 2 36 | 12 58 | 0 46 | 22 12 | 1 7 | 2 8 | 15 17 | 17 22 | 17 16 | 8 56 | 9 39 | 1 7 |
| S 13 | 19 23 | 20 59 | 5 18 | 23 39 | 1 12 | 12 27 | 0 14 | 19 55 | 0 18 | 18 14 | 0 41 | 10 49 | 2 36 | 12 58 | 0 46 | 22 13 | 1 7 | 2 8 | 15 17 | 17 22 | 17 15 | 8 59 | 9 38 | 1 7 |
| M14 | 19 37 | 16 41 | 5 12 | 23 22 | 0 56 | 12 12 | 0 1 | 20 6 | 0 19 | 18 17 | 0 41 | 10 48 | 2 36 | 12 58 | 0 46 | 22 13 | 1 7 | 2 7 | 15 17 | 17 22 | 17 14 | 9 2 | 9 37 | 1 7 |
| T 15 | 19 51 | 11 48 | 4 52 | 23 1 | 0 39 | 11 57 | 0n13 | 20 16 | 0 20 | 18 21 | 0 41 | 10 46 | 2 36 | 12 58 | 0 46 | 22 13 | 1 7 | 2 6 | 15 17 | 17 22 | 17 13 | 9 5 | 9 36 | 1 6 |
| W16 | 20 5 | 6 34 | 4 20 | 22 38 | 0 21 | 11 44 | 0 25 | 20 27 | 0 20 | 18 24 | 0 41 | 10 45 | 2 36 | 12 57 | 0 46 | 22 13 | 1 7 | 2 6 | 15 17 | 17 22 | 17 12 | 9 8 | 9 35 | 1 6 |
| T 17 | 20 18 | 1 10 | 3 37 | 22 12 | 0 2 | 11 32 | 0 38 | 20 37 | 0 21 | 18 27 | 0 41 | 10 44 | 2 35 | 12 57 | 0 46 | 22 13 | 1 7 | 2 5 | 15 18 | 17 23 | 17 11 | 9 12 | 9 34 | 1 6 |
| F 18 | 20 31 | 4s15 | 2 45 | 21 43 | 0n18 | 11 21 | 0 50 | 20 47 | 0 21 | 18 31 | 0 41 | 10 43 | 2 35 | 12 57 | 0 46 | 22 13 | 1 7 | 2 5 | 15 18 | 17 23 | 17 11 | 9 15 | 9 33 | 1 6 |
| S 19 | 20 43 | 9 31 | 1 46 | 21 12 | 0 38 | 11 11 | 1 2 | 20 56 | 0 22 | 18 34 | 0 41 | 10 41 | 2 35 | 12 56 | 0 46 | 22 13 | 1 7 | 2 4 | 15 18 | 17 23 | 17 10 | 9 18 | 9 32 | 1 6 |
| S 20 | 20 55 | 14 29 | 0 42 | 20 40 | 0 59 | 11 3 | 1 13 | 21 6 | 0 23 | 18 37 | 0 41 | 10 40 | 2 35 | 12 56 | 0 46 | 22 14 | 1 7 | 2 4 | 15 18 | 17 24 | 17 9 | 9 21 | 9 32 | 1 6 |
| M21 | 21 7 | 18 56 | 0s24 | 20 7 | 1 18 | 10 55 | 1 23 | 21 15 | 0 23 | 18 40 | 0 40 | 10 39 | 2 35 | 12 56 | 0 46 | 22 14 | 1 7 | 2 3 | 15 18 | 17 24 | 17 8 | 9 24 | 9 31 | 1 6 |
| T 22 | 21 18 | 22 40 | 1 29 | 19 33 | 1 37 | 10 49 | 1 34 | 21 24 | 0 24 | 18 44 | 0 40 | 10 38 | 2 34 | 12 55 | 0 45 | 22 14 | 1 7 | 2 3 | 15 19 | 17 23 | 17 7 | 9 27 | 9 30 | 1 6 |
| W23 | 21 29 | 25 26 | 2 31 | 19 1 | 1 54 | 10 45 | 1 44 | 21 33 | 0 24 | 18 47 | 0 40 | 10 37 | 2 34 | 12 55 | 0 45 | 22 14 | 1 7 | 2 2 | 15 19 | 17 23 | 17 6 | 9 31 | 9 29 | 1 5 |
| T 24 | 21 39 | 27 1 | 3 27 | 18 31 | 2 10 | 10 41 | 1 53 | 21 42 | 0 25 | 18 50 | 0 40 | 10 36 | 2 34 | 12 54 | 0 45 | 22 14 | 1 7 | 2 2 | 15 19 | 17 22 | 17 5 | 9 34 | 9 28 | 1 5 |
| F 25 | 21 49 | 27 15 | 4 14 | 18 3 | 2 23 | 10 38 | 2 2 | 21 51 | 0 26 | 18 53 | 0 40 | 10 35 | 2 34 | 12 54 | 0 45 | 22 14 | 1 7 | 2 1 | 15 19 | 17 21 | 17 4 | 9 37 | 9 27 | 1 5 |
| S 26 | 21 58 | 26 3 | 4 49 | 17 39 | 2 34 | 10 37 | 2 11 | 21 59 | 0 26 | 18 56 | 0 40 | 10 34 | 2 34 | 12 53 | 0 45 | 22 14 | 1 7 | 2 1 | 15 20 | 17 20 | 17 3 | 9 40 | 9 27 | 1 5 |
| S 27 | 22 7 | 23 28 | 5 9 | 17 19 | 2 43 | 10 36 | 2 19 | 22 7 | 0 27 | 19 0 | 0 40 | 10 33 | 2 33 | 12 53 | 0 45 | 22 15 | 1 7 | 2 1 | 15 20 | 17 19 | 17 2 | 9 43 | 9 26 | 1 5 |
| M28 | 22 16 | 19 36 | 5 14 | 17 3 | 2 49 | 10 36 | 2 26 | 22 15 | 0 27 | 19 3 | 0 40 | 10 32 | 2 33 | 12 53 | 0 45 | 22 15 | 1 7 | 2 0 | 15 20 | 17 19 | 17 2 | 9 46 | 9 25 | 1 5 |
| T 29 | 22 24 | 14 40 | 5 2 | 16 51 | 2 53 | 10 38 | 2 34 | 22 23 | 0 28 | 19 6 | 0 40 | 10 31 | 2 33 | 12 52 | 0 45 | 22 15 | 1 7 | 2 0 | 15 20 | 17 18 | 17 1 | 9 49 | 9 25 | 1 5 |
| W30 | 22s32 | 8s55 | 4s33 | 16s44 | 2n56 | 10s40 | 2n41 | 22s30 | 0s29 | 19s 9 | 0n40 | 10n30 | 2s33 | 12s51 | 0s45 | 22s15 | 1n 7 | 1n59 | 15n21 | 17n18 | 17n 0 | 9s53 | 9n24 | 1n 5 |

Julian Day Number = 2085881.5, Delta T = 24m29s
Ecliptic obliquity = 23°34'14, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'11, Lahiri = 9°54'11 Julian Calendar 1 Nov. 998 == Greg. Calendar 6 Nov. 998


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# ASTRODIENST EPHEMERIS for the year 998
# geocentric

## DECEMBER 998 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 4 59 15 | 14♐26'10 | 2♈ 9 | 26°R45 | 5♏16 | 10♐27 | 28♏ 6 | 3°R53 | 28♒16 | 22♐34 | 2♏39 | 18♉ 5 | 16♉55 | 29♎32 | 21°R24 | T 1 |
| F 2 | 5 3 11 | 15°27'20 | 16°29 | 26°D43 | 5°46 | 11°12 | 28°19 | 3♉50 | 28°17 | 22°36 | 2°41 | 18° 6 | 16°52 | 29°39 | 21♈23 | F 2 |
| S 3 | 5 7 8 | 16°28'30 | 1♉ 3 | 26♏51 | 6°17 | 11°57 | 28°32 | 3°47 | 28°19 | 22°38 | 2°43 | 18° 8 | 16°49 | 29°46 | 21°21 | S 3 |
| S 4 | 5 11 4 | 17°29'40 | 15°47 | 27° 8 | 6°50 | 12°42 | 28°45 | 3°44 | 28°20 | 22°41 | 2°45 | 18°R 8 | 16°45 | 29°52 | 21°20 | S 4 |
| M 5 | 5 15 1 | 18°30'50 | 0♊34 | 27°32 | 7°24 | 13°27 | 28°59 | 3°41 | 28°22 | 22°43 | 2°46 | 18° 8 | 16°42 | 29°59 | 21°19 | M 5 |
| T 6 | 5 18 57 | 19°32'00 | 15°19 | 28° 4 | 8° 0 | 14°13 | 29°12 | 3°39 | 28°23 | 22°45 | 2°48 | 18° 6 | 16°39 | 0♏ 6 | 21°18 | T 6 |
| W 7 | 5 22 54 | 20°33'11 | 29°53 | 28°42 | 8°37 | 14°58 | 29°25 | 3°36 | 28°25 | 22°47 | 2°50 | 18° 2 | 16°36 | 0°12 | 21°16 | W 7 |
| T 8 | 5 26 51 | 21°34'22 | 14♋10 | 29°26 | 9°16 | 15°43 | 29°38 | 3°34 | 28°27 | 22°50 | 2°52 | 17°57 | 16°33 | 0°19 | 21°15 | T 8 |
| F 9 | 5 30 47 | 22°35'33 | 28° 5 | 0♐15 | 9°55 | 16°28 | 29°51 | 3°31 | 28°29 | 22°52 | 2°54 | 17°51 | 16°30 | 0°25 | 21°14 | F 9 |
| S 10 | 5 34 44 | 23°36'44 | 11♌35 | 1° 8 | 10°36 | 17°14 | 0♐ 4 | 3°29 | 28°31 | 22°54 | 2°55 | 17°46 | 16°26 | 0°32 | 21°13 | S 10 |
| S 11 | 5 38 40 | 24°37'56 | 24°39 | 2° 6 | 11°18 | 17°59 | 0°17 | 3°27 | 28°33 | 22°57 | 2°57 | 17°41 | 16°23 | 0°39 | 21°12 | S 11 |
| M12 | 5 42 37 | 25°39'08 | 7♍19 | 3° 7 | 12° 1 | 18°44 | 0°30 | 3°25 | 28°35 | 22°59 | 2°59 | 17°37 | 16°20 | 0°45 | 21°11 | M12 |
| T 13 | 5 46 33 | 26°40'20 | 19°39 | 4°11 | 12°46 | 19°30 | 0°43 | 3°23 | 28°36 | 23° 1 | 3° 0 | 17°35 | 16°17 | 0°52 | 21°11 | T 13 |
| W14 | 5 50 30 | 27°41'33 | 1♎43 | 5°18 | 13°31 | 20°15 | 0°55 | 3°21 | 28°39 | 23° 3 | 3° 2 | 17°D35 | 16°14 | 0°59 | 21°10 | W14 |
| T 15 | 5 54 26 | 28°42'45 | 13°36 | 6°27 | 14°17 | 21° 1 | 1° 8 | 3°19 | 28°41 | 23° 6 | 3° 4 | 17°36 | 16°11 | 1° 5 | 21° 9 | T 15 |
| F 16 | 5 58 23 | 29°43'58 | 25°24 | 7°39 | 15° 4 | 21°46 | 1°21 | 3°18 | 28°43 | 23° 8 | 3° 5 | 17°38 | 16° 7 | 1°12 | 21° 8 | F 16 |
| S 17 | 6 2 20 | 0♑45'11 | 7♏11 | 8°52 | 15°52 | 22°32 | 1°34 | 3°16 | 28°45 | 23°10 | 3° 7 | 17°39 | 16° 4 | 1°19 | 21° 8 | S 17 |
| S 18 | 6 6 16 | 1°46'24 | 19° 3 | 10° 8 | 16°41 | 23°17 | 1°46 | 3°15 | 28°47 | 23°12 | 3° 8 | 17°R40 | 16° 1 | 1°25 | 21° 7 | S 18 |
| M19 | 6 10 13 | 2°47'36 | 1♐ 3 | 11°24 | 17°31 | 24° 3 | 1°59 | 3°13 | 28°49 | 23°15 | 3°10 | 17°39 | 15°58 | 1°32 | 21° 7 | M19 |
| T 20 | 6 14 9 | 3°48'49 | 13°14 | 12°43 | 18°22 | 24°49 | 2°11 | 3°12 | 28°52 | 23°17 | 3°11 | 17°35 | 15°55 | 1°39 | 21° 6 | T 20 |
| W21 | 6 18 6 | 4°50'02 | 25°39 | 14° 2 | 19°13 | 25°35 | 2°24 | 3°11 | 28°54 | 23°19 | 3°13 | 17°30 | 15°51 | 1°45 | 21° 6 | W21 |
| T 22 | 6 22 2 | 5°51'14 | 8♑19 | 15°23 | 20° 6 | 26°20 | 2°36 | 3°10 | 28°56 | 23°21 | 3°14 | 17°22 | 15°48 | 1°52 | 21° 6 | T 22 |
| F 23 | 6 25 59 | 6°52'26 | 21°13 | 16°45 | 20°58 | 27° 6 | 2°48 | 3° 9 | 28°59 | 23°24 | 3°15 | 17°13 | 15°45 | 1°59 | 21° 5 | F 23 |
| S 24 | 6 29 55 | 7°53'38 | 4♒22 | 18° 8 | 21°52 | 27°52 | 3° 1 | 3° 9 | 29° 1 | 23°26 | 3°17 | 17° 4 | 15°42 | 2° 5 | 21° 5 | S 24 |
| S 25 | 6 33 52 | 8°54'48 | 17°43 | 19°32 | 22°46 | 28°38 | 3°13 | 3° 8 | 29° 4 | 23°28 | 3°18 | 16°55 | 15°39 | 2°12 | 21° 5 | S 25 |
| M26 | 6 37 49 | 9°55'58 | 1♓15 | 20°57 | 23°41 | 29°24 | 3°25 | 3° 7 | 29° 6 | 23°30 | 3°19 | 16°47 | 15°36 | 2°19 | 21° 5 | M26 |
| T 27 | 6 41 45 | 10°57'08 | 14°57 | 22°22 | 24°36 | 0♑10 | 3°37 | 3° 7 | 29° 9 | 23°32 | 3°21 | 16°42 | 15°32 | 2°25 | 21°D 5 | T 27 |
| W28 | 6 45 42 | 11°58'16 | 28°48 | 23°49 | 25°32 | 0°56 | 3°49 | 3° 7 | 29°11 | 23°35 | 3°22 | 16°39 | 15°29 | 2°32 | 21° 5 | W28 |
| T 29 | 6 49 38 | 12°59'23 | 12♈47 | 25°16 | 26°29 | 1°42 | 4° 1 | 3° 6 | 29°14 | 23°37 | 3°23 | 16°D38 | 15°26 | 2°38 | 21° 5 | T 29 |
| F 30 | 6 53 35 | 14° 0'30 | 26°52 | 26°43 | 27°26 | 2°28 | 4°13 | 3°D 6 | 29°16 | 23°39 | 3°24 | 16°39 | 15°23 | 2°45 | 21° 5 | F 30 |
| S 31 | 6 57 31 | 15♑ 1'35 | 11♉ 5 | 28♐12 | 28♏23 | 3♑14 | 4♐25 | 3♉ 6 | 29♒19 | 23♐41 | 3♏25 | 16°R39 | 15♉20 | 2♏52 | 21♈ 6 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22s39 | 2s36 | 3s46 | 16s41 | 2n56 | 10s43 | 2n47 | 22s37 | 0s29 | 19s12 | 0n40 | 10n29 | 2s32 | 12s51 | 0s45 | 22s15 | 1n 7 | 1n59 | 15n21 | 17n19 | 16n59 | 9s56 | 9n23 | 1n 5 |
| F 2 | 22 46 | 3n58 | 2 45 | 16 41 | 2 55 | 10 47 | 2 54 | 22 44 | 0 30 | 19 15 | 0 40 | 10 29 | 2 32 | 12 50 | 0 45 | 22 15 | 1 7 | 1 59 | 15 21 | 17 19 | 16 58 | 9 59 | 9 23 | 1 4 |
| S 3 | 22 53 | 10 28 | 1 33 | 16 46 | 2 53 | 10 52 | 2 59 | 22 51 | 0 30 | 19 18 | 0 40 | 10 28 | 2 32 | 12 50 | 0 45 | 22 15 | 1 7 | 1 58 | 15 22 | 17 19 | 16 57 | 10 2 | 9 22 | 1 4 |
| S 4 | 22 59 | 16 27 | 0 13 | 16 53 | 2 49 | 10 58 | 3 5 | 22 57 | 0 31 | 19 21 | 0 40 | 10 27 | 2 32 | 12 49 | 0 45 | 22 16 | 1 7 | 1 58 | 15 22 | 17 20 | 16 56 | 10 5 | 9 21 | 1 4 |
| M 5 | 23 4 | 21 29 | 1n 8 | 17 3 | 2 45 | 11 4 | 3 10 | 23 4 | 0 32 | 19 24 | 0 40 | 10 27 | 2 31 | 12 49 | 0 45 | 22 16 | 1 7 | 1 58 | 15 22 | 17 19 | 16 55 | 10 8 | 9 21 | 1 4 |
| T 6 | 23 9 | 25 8 | 2 23 | 17 15 | 2 39 | 11 11 | 3 15 | 23 10 | 0 32 | 19 27 | 0 40 | 10 26 | 2 31 | 12 48 | 0 45 | 22 16 | 1 7 | 1 57 | 15 23 | 17 19 | 16 54 | 10 11 | 9 20 | 1 4 |
| W 7 | 23 14 | 27 3 | 3 29 | 17 29 | 2 33 | 11 18 | 3 19 | 23 16 | 0 33 | 19 29 | 0 40 | 10 25 | 2 31 | 12 47 | 0 45 | 22 16 | 1 7 | 1 57 | 15 23 | 17 18 | 16 53 | 10 15 | 9 20 | 1 4 |
| T 8 | 23 18 | 27 7 | 4 19 | 17 45 | 2 26 | 11 27 | 3 23 | 23 21 | 0 33 | 19 32 | 0 40 | 10 25 | 2 31 | 12 47 | 0 45 | 22 16 | 1 6 | 1 57 | 15 23 | 17 16 | 16 52 | 10 18 | 9 19 | 1 4 |
| F 9 | 23 22 | 25 27 | 4 53 | 18 3 | 2 19 | 11 35 | 3 27 | 23 26 | 0 34 | 19 35 | 0 40 | 10 24 | 2 30 | 12 46 | 0 45 | 22 16 | 1 6 | 1 57 | 15 24 | 17 15 | 16 52 | 10 21 | 9 19 | 1 4 |
| S 10 | 23 25 | 22 22 | 5 10 | 18 21 | 2 12 | 11 45 | 3 31 | 23 32 | 0 34 | 19 38 | 0 40 | 10 24 | 2 30 | 12 45 | 0 45 | 22 16 | 1 6 | 1 56 | 15 24 | 17 13 | 16 51 | 10 24 | 9 18 | 1 3 |
| S 11 | 23 28 | 18 14 | 5 9 | 18 40 | 2 4 | 11 55 | 3 34 | 23 36 | 0 35 | 19 41 | 0 39 | 10 23 | 2 30 | 12 45 | 0 45 | 22 17 | 1 6 | 1 56 | 15 24 | 17 12 | 16 50 | 10 27 | 9 18 | 1 3 |
| M12 | 23 30 | 13 24 | 4 53 | 19 0 | 1 56 | 12 5 | 3 37 | 23 41 | 0 36 | 19 43 | 0 39 | 10 23 | 2 30 | 12 44 | 0 45 | 22 17 | 1 6 | 1 56 | 15 25 | 17 11 | 16 49 | 10 30 | 9 17 | 1 3 |
| T 13 | 23 32 | 8 10 | 4 24 | 19 20 | 1 48 | 12 16 | 3 40 | 23 45 | 0 36 | 19 46 | 0 39 | 10 22 | 2 29 | 12 43 | 0 45 | 22 17 | 1 6 | 1 56 | 15 25 | 17 10 | 16 48 | 10 33 | 9 17 | 1 3 |
| W14 | 23 33 | 2 44 | 3 44 | 19 40 | 1 40 | 12 27 | 3 42 | 23 49 | 0 37 | 19 49 | 0 39 | 10 22 | 2 29 | 12 43 | 0 45 | 22 17 | 1 6 | 1 56 | 15 25 | 17 10 | 16 47 | 10 36 | 9 16 | 1 3 |
| T 15 | 23 34 | 2s43 | 2 55 | 20 0 | 1 31 | 12 39 | 3 44 | 23 53 | 0 37 | 19 51 | 0 39 | 10 22 | 2 29 | 12 42 | 0 45 | 22 17 | 1 6 | 1 55 | 15 26 | 17 11 | 16 46 | 10 40 | 9 16 | 1 3 |
| F 16 | 23 34 | 8 3 | 1 58 | 20 21 | 1 23 | 12 51 | 3 46 | 23 57 | 0 38 | 19 54 | 0 39 | 10 21 | 2 28 | 12 41 | 0 45 | 22 17 | 1 6 | 1 55 | 15 26 | 17 11 | 16 45 | 10 43 | 9 15 | 1 3 |
| S 17 | 23 34 | 13 6 | 0 57 | 20 41 | 1 14 | 13 3 | 3 48 | 24 0 | 0 38 | 19 57 | 0 39 | 10 21 | 2 28 | 12 40 | 0 45 | 22 17 | 1 6 | 1 55 | 15 27 | 17 11 | 16 44 | 10 46 | 9 15 | 1 2 |
| S 18 | 23 34 | 17 42 | 0s 8 | 21 0 | 1 6 | 13 15 | 3 49 | 24 3 | 0 39 | 19 59 | 0 39 | 10 21 | 2 28 | 12 39 | 0 45 | 22 17 | 1 6 | 1 55 | 15 27 | 17 12 | 16 43 | 10 49 | 9 15 | 1 2 |
| M19 | 23 32 | 21 39 | 1 12 | 21 20 | 0 57 | 13 28 | 3 50 | 24 6 | 0 40 | 20 2 | 0 39 | 10 21 | 2 28 | 12 39 | 0 45 | 22 17 | 1 6 | 1 55 | 15 27 | 17 11 | 16 42 | 10 52 | 9 15 | 1 2 |
| T 20 | 23 31 | 24 44 | 2 14 | 21 38 | 0 49 | 13 41 | 3 51 | 24 8 | 0 40 | 20 4 | 0 39 | 10 21 | 2 27 | 12 38 | 0 45 | 22 18 | 1 6 | 1 55 | 15 28 | 17 10 | 16 41 | 10 55 | 9 14 | 1 2 |
| W21 | 23 29 | 26 40 | 3 10 | 21 56 | 0 41 | 13 54 | 3 52 | 24 10 | 0 41 | 20 7 | 0 39 | 10 20 | 2 27 | 12 37 | 0 45 | 22 18 | 1 6 | 1 55 | 15 28 | 17 9 | 16 41 | 10 58 | 9 14 | 1 2 |
| T 22 | 23 26 | 27 17 | 3 59 | 22 14 | 0 32 | 14 8 | 3 52 | 24 12 | 0 41 | 20 9 | 0 39 | 10 20 | 2 27 | 12 36 | 0 44 | 22 18 | 1 6 | 1 55 | 15 29 | 17 7 | 16 40 | 11 1 | 9 14 | 1 2 |
| F 23 | 23 23 | 26 25 | 4 36 | 22 30 | 0 24 | 14 21 | 3 53 | 24 14 | 0 42 | 20 12 | 0 39 | 10 20 | 2 26 | 12 35 | 0 44 | 22 18 | 1 6 | 1 55 | 15 29 | 17 4 | 16 39 | 11 4 | 9 14 | 1 2 |
| S 24 | 23 20 | 24 6 | 4 59 | 22 46 | 0 16 | 14 35 | 3 53 | 24 15 | 0 42 | 20 14 | 0 39 | 10 20 | 2 26 | 12 34 | 0 44 | 22 18 | 1 6 | 1 55 | 15 30 | 17 1 | 16 38 | 11 8 | 9 13 | 1 2 |
| S 25 | 23 16 | 20 27 | 5 6 | 23 1 | 0 8 | 14 49 | 3 53 | 24 17 | 0 43 | 20 17 | 0 39 | 10 20 | 2 26 | 12 33 | 0 44 | 22 18 | 1 6 | 1 55 | 15 30 | 16 59 | 16 37 | 11 11 | 9 13 | 1 1 |
| M26 | 23 12 | 15 42 | 4 57 | 23 15 | 0 1 | 15 3 | 3 52 | 24 17 | 0 43 | 20 19 | 0 39 | 10 21 | 2 25 | 12 33 | 0 44 | 22 18 | 1 6 | 1 55 | 15 30 | 16 57 | 16 36 | 11 14 | 9 13 | 1 1 |
| T 27 | 23 7 | 10 6 | 4 30 | 23 28 | 0s 7 | 15 16 | 3 52 | 24 18 | 0 44 | 20 21 | 0 39 | 10 21 | 2 25 | 12 32 | 0 44 | 22 18 | 1 6 | 1 55 | 15 31 | 16 55 | 16 35 | 11 17 | 9 13 | 1 1 |
| W28 | 23 2 | 3 57 | 3 48 | 23 40 | 0 15 | 15 30 | 3 51 | 24 18 | 0 44 | 20 24 | 0 39 | 10 21 | 2 25 | 12 31 | 0 44 | 22 18 | 1 6 | 1 55 | 15 31 | 16 54 | 16 34 | 11 20 | 9 13 | 1 1 |
| T 29 | 22 56 | 2n27 | 2 51 | 23 51 | 0 22 | 15 44 | 3 51 | 24 19 | 0 45 | 20 26 | 0 39 | 10 21 | 2 25 | 12 30 | 0 44 | 22 19 | 1 6 | 1 55 | 15 32 | 16 54 | 16 33 | 11 23 | 9 13 | 1 1 |
| F 30 | 22 50 | 8 48 | 1 44 | 24 1 | 0 29 | 15 58 | 3 50 | 24 18 | 0 45 | 20 28 | 0 39 | 10 21 | 2 24 | 12 29 | 0 44 | 22 19 | 1 6 | 1 55 | 15 32 | 16 54 | 16 32 | 11 26 | 9 13 | 1 1 |
| S 31 | 22s43 | 14n46 | 0s30 | 24s 9 | 0s36 | 16s12 | 3n49 | 24s18 | 0s46 | 20s30 | 0n39 | 10n22 | 2s24 | 12s28 | 0s44 | 22s19 | 1n 6 | 1n55 | 15n33 | 16n54 | 16n31 | 11s29 | 9n13 | 1n 1 |

Julian Day Number = 2085911.5, Delta T = 24m28s
Ecliptic obliquity = 23°34'14, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'15, Lahiri = 9°54'15 Julian Calendar 1 Dec. 998 == Greg. Calendar 6 Dec. 998


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## JANUARY 999 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 7 1 28 | 16♑ 2'40 | 25♉22 | 29♐41 | 29♏22 | 4♑ 0 | 4♐37 | 3♉ 7 | 29♒22 | 23♐43 | 3♏26 | 16°R39 | 15♉17 | 2♏58 | 21♈ 6 | S 1 |
| M 2 | 7 5 24 | 17° 3'44 | 9♊42 | 1♑11 | 0♐20 | 4°46 | 4°49 | 3° 7 | 29°24 | 23°45 | 3°27 | 16♉37 | 15°13 | 3° 5 | 21° 6 | M 2 |
| T 3 | 7 9 21 | 18° 4'46 | 24° 0 | 2°41 | 1°19 | 5°33 | 5° 0 | 3° 7 | 29°27 | 23°48 | 3°28 | 16°32 | 15°10 | 3°12 | 21° 7 | T 3 |
| W 4 | 7 13 18 | 19° 5'48 | 8♋12 | 4°12 | 2°19 | 6°19 | 5°12 | 3° 8 | 29°30 | 23°50 | 3°29 | 16°25 | 15° 7 | 3°18 | 21° 7 | W 4 |
| T 5 | 7 17 14 | 20° 6'49 | 22°12 | 5°44 | 3°19 | 7° 5 | 5°23 | 3° 8 | 29°33 | 23°52 | 3°30 | 16°15 | 15° 4 | 3°25 | 21° 8 | T 5 |
| F 6 | 7 21 11 | 21° 7'48 | 5♌56 | 7°16 | 4°19 | 7°51 | 5°35 | 3° 9 | 29°36 | 23°54 | 3°31 | 16° 3 | 15° 1 | 3°32 | 21° 8 | F 6 |
| S 7 | 7 25 7 | 22° 8'47 | 19°21 | 8°49 | 5°20 | 8°38 | 5°46 | 3°10 | 29°39 | 23°56 | 3°32 | 15°52 | 14°57 | 3°38 | 21° 9 | S 7 |
| S 8 | 7 29 4 | 23° 9'45 | 2♍24 | 10°23 | 6°21 | 9°24 | 5°57 | 3°11 | 29°41 | 23°58 | 3°33 | 15°41 | 14°54 | 3°45 | 21°10 | S 8 |
| M 9 | 7 33 0 | 24°10'42 | 15° 5 | 11°57 | 7°23 | 10°11 | 6° 8 | 3°12 | 29°44 | 24° 0 | 3°34 | 15°33 | 14°51 | 3°52 | 21°10 | M 9 |
| T 10 | 7 36 57 | 25°11'39 | 27°27 | 13°32 | 8°24 | 10°57 | 6°19 | 3°13 | 29°47 | 24° 2 | 3°35 | 15°26 | 14°48 | 3°58 | 21°11 | T 10 |
| W11 | 7 40 54 | 26°12'34 | 9♎33 | 15° 8 | 9°27 | 11°43 | 6°30 | 3°15 | 29°50 | 24° 4 | 3°35 | 15°23 | 14°45 | 4° 5 | 21°12 | W11 |
| T 12 | 7 44 50 | 27°13'29 | 21°27 | 16°44 | 10°29 | 12°30 | 6°41 | 3°16 | 29°53 | 24° 6 | 3°36 | 15°21 | 14°42 | 4°12 | 21°13 | T 12 |
| F 13 | 7 48 47 | 28°14'22 | 3♏15 | 18°22 | 11°32 | 13°16 | 6°52 | 3°17 | 29°56 | 24° 8 | 3°37 | 15°D21 | 14°38 | 4°18 | 21°14 | F 13 |
| S 14 | 7 52 43 | 29°15'15 | 15° 3 | 19°59 | 12°35 | 14° 3 | 7° 3 | 3°19 | 29°59 | 24°10 | 3°37 | 15°R22 | 14°35 | 4°25 | 21°15 | S 14 |
| S 15 | 7 56 40 | 0♒16'07 | 26°56 | 21°38 | 13°39 | 14°49 | 7°13 | 3°21 | 0♓ 3 | 24°12 | 3°38 | 15°21 | 14°32 | 4°32 | 21°16 | S 15 |
| M16 | 8 0 36 | 1°16'58 | 9♐ 0 | 23°17 | 14°43 | 15°36 | 7°24 | 3°23 | 0° 6 | 24°14 | 3°38 | 15°19 | 14°29 | 4°38 | 21°17 | M16 |
| T 17 | 8 4 33 | 2°17'48 | 21°17 | 24°57 | 15°47 | 16°23 | 7°34 | 3°25 | 0° 9 | 24°16 | 3°39 | 15°14 | 14°26 | 4°45 | 21°18 | T 17 |
| W18 | 8 8 29 | 3°18'37 | 3♑53 | 26°38 | 16°51 | 17° 9 | 7°45 | 3°27 | 0°12 | 24°18 | 3°39 | 15° 6 | 14°23 | 4°51 | 21°20 | W18 |
| T 19 | 8 12 26 | 4°19'25 | 16°48 | 28°20 | 17°56 | 17°56 | 7°55 | 3°29 | 0°15 | 24°19 | 3°40 | 14°55 | 14°19 | 4°58 | 21°21 | T 19 |
| F 20 | 8 16 23 | 5°20'11 | 0♒ 3 | 0♒ 2 | 19° 1 | 18°43 | 8° 5 | 3°31 | 0°18 | 24°21 | 3°40 | 14°43 | 14°16 | 5° 5 | 21°22 | F 20 |
| S 21 | 8 20 19 | 6°20'56 | 13°35 | 1°45 | 20° 6 | 19°29 | 8°15 | 3°34 | 0°22 | 24°23 | 3°41 | 14°30 | 14°13 | 5°11 | 21°24 | S 21 |
| S 22 | 8 24 16 | 7°21'40 | 27°23 | 3°29 | 21°11 | 20°16 | 8°25 | 3°36 | 0°25 | 24°25 | 3°41 | 14°17 | 14°10 | 5°18 | 21°25 | S 22 |
| M23 | 8 28 12 | 8°22'22 | 11♓22 | 5°14 | 22°17 | 21° 3 | 8°35 | 3°39 | 0°28 | 24°27 | 3°41 | 14° 6 | 14° 7 | 5°25 | 21°27 | M23 |
| T 24 | 8 32 9 | 9°23'02 | 25°28 | 7° 0 | 23°23 | 21°49 | 8°44 | 3°41 | 0°31 | 24°28 | 3°42 | 13°58 | 14° 3 | 5°31 | 21°28 | T 24 |
| W25 | 8 36 5 | 10°23'40 | 9♈36 | 8°46 | 24°29 | 22°36 | 8°54 | 3°44 | 0°35 | 24°30 | 3°42 | 13°53 | 14° 0 | 5°38 | 21°30 | W25 |
| T 26 | 8 40 2 | 11°24'17 | 23°44 | 10°34 | 25°35 | 23°23 | 9° 4 | 3°47 | 0°38 | 24°32 | 3°42 | 13°51 | 13°57 | 5°45 | 21°32 | T 26 |
| F 27 | 8 43 58 | 12°24'52 | 7♉51 | 12°22 | 26°41 | 24°10 | 9°13 | 3°50 | 0°41 | 24°33 | 3°42 | 13°50 | 13°54 | 5°51 | 21°34 | F 27 |
| S 28 | 8 47 55 | 13°25'25 | 21°55 | 14°11 | 27°48 | 24°57 | 9°22 | 3°53 | 0°44 | 24°35 | 3°42 | 13°50 | 13°51 | 5°58 | 21°35 | S 28 |
| S 29 | 8 51 52 | 14°25'56 | 5♊55 | 16° 1 | 28°54 | 25°43 | 9°31 | 3°56 | 0°48 | 24°37 | 3°42 | 13°49 | 13°48 | 6° 5 | 21°37 | S 29 |
| M30 | 8 55 48 | 15°26'26 | 19°52 | 17°51 | 0♑ 1 | 26°30 | 9°40 | 4° 0 | 0°51 | 24°38 | 3°42 | 13°46 | 13°44 | 6°11 | 21°39 | M30 |
| T 31 | 8 59 45 | 16♒26'53 | 3♋44 | 19♒43 | 1♑ 8 | 27♑17 | 9♐49 | 4♉ 3 | 0♓54 | 24♐40 | 3°R42 | 13♉40 | 13♉41 | 6♏18 | 21♈41 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22s36 | 19n58 | 0n46 | 24s17 | 0s43 | 16s25 | 3n47 | 24s17 | 0s46 | 20s32 | 0n39 | 10n22 | 2s24 | 12s27 | 0s44 | 22s19 | 1n 6 | 1n55 | 15n33 | 16n54 | 16n30 | 11s32 | 9n13 | 1n 1 |
| M 2 | 22 28 | 24 0 | 2 0 | 24 23 | 0 49 | 16 39 | 3 46 | 24 16 | 0 47 | 20 35 | 0 39 | 10 22 | 2 23 | 12 26 | 0 44 | 22 19 | 1 6 | 1 55 | 15 34 | 16 54 | 16 29 | 11 35 | 9 13 | 1 0 |
| T 3 | 22 21 | 26 31 | 3 5 | 24 28 | 0 55 | 16 53 | 3 44 | 24 15 | 0 48 | 20 37 | 0 39 | 10 23 | 2 23 | 12 25 | 0 44 | 22 19 | 1 6 | 1 55 | 15 34 | 16 52 | 16 28 | 11 38 | 9 13 | 1 0 |
| W 4 | 22 12 | 27 17 | 3 59 | 24 32 | 1 1 | 17 6 | 3 42 | 24 13 | 0 48 | 20 39 | 0 39 | 10 23 | 2 23 | 12 24 | 0 44 | 22 19 | 1 6 | 1 55 | 15 34 | 16 50 | 16 28 | 11 42 | 9 13 | 1 0 |
| T 5 | 22 3 | 26 17 | 4 37 | 24 34 | 1 7 | 17 19 | 3 41 | 24 11 | 0 49 | 20 41 | 0 39 | 10 24 | 2 22 | 12 23 | 0 44 | 22 19 | 1 6 | 1 55 | 15 35 | 16 47 | 16 27 | 11 45 | 9 13 | 1 0 |
| F 6 | 21 54 | 23 42 | 4 58 | 24 35 | 1 13 | 17 32 | 3 39 | 24 9 | 0 49 | 20 43 | 0 39 | 10 24 | 2 22 | 12 22 | 0 44 | 22 19 | 1 6 | 1 56 | 15 35 | 16 44 | 16 26 | 11 48 | 9 13 | 1 0 |
| S 7 | 21 44 | 19 53 | 5 2 | 24 35 | 1 18 | 17 45 | 3 37 | 24 7 | 0 50 | 20 45 | 0 39 | 10 25 | 2 22 | 12 21 | 0 44 | 22 19 | 1 6 | 1 56 | 15 36 | 16 41 | 16 25 | 11 51 | 9 13 | 1 0 |
| S 8 | 21 34 | 15 11 | 4 50 | 24 33 | 1 24 | 17 58 | 3 34 | 24 4 | 0 50 | 20 47 | 0 39 | 10 26 | 2 21 | 12 20 | 0 44 | 22 20 | 1 6 | 1 56 | 15 36 | 16 38 | 16 24 | 11 54 | 9 13 | 1 0 |
| M 9 | 21 24 | 9 58 | 4 24 | 24 30 | 1 28 | 18 11 | 3 32 | 24 1 | 0 50 | 20 49 | 0 39 | 10 26 | 2 21 | 12 19 | 0 44 | 22 20 | 1 6 | 1 56 | 15 37 | 16 35 | 16 23 | 11 57 | 9 13 | 0 59 |
| T 10 | 21 13 | 4 28 | 3 46 | 24 25 | 1 33 | 18 23 | 3 29 | 23 58 | 0 51 | 20 51 | 0 39 | 10 27 | 2 21 | 12 18 | 0 44 | 22 20 | 1 6 | 1 56 | 15 37 | 16 33 | 16 22 | 12 0 | 9 14 | 0 59 |
| W11 | 21 1 | 1s 4 | 2 58 | 24 19 | 1 37 | 18 35 | 3 27 | 23 54 | 0 51 | 20 53 | 0 39 | 10 28 | 2 21 | 12 17 | 0 44 | 22 20 | 1 7 | 1 57 | 15 38 | 16 32 | 16 21 | 12 3 | 9 14 | 0 59 |
| T 12 | 20 50 | 6 30 | 2 4 | 24 12 | 1 41 | 18 47 | 3 24 | 23 50 | 0 52 | 20 54 | 0 39 | 10 28 | 2 20 | 12 15 | 0 44 | 22 20 | 1 7 | 1 57 | 15 38 | 16 32 | 16 20 | 12 6 | 9 14 | 0 59 |
| F 13 | 20 38 | 11 40 | 1 4 | 24 2 | 1 45 | 18 58 | 3 21 | 23 46 | 0 52 | 20 56 | 0 39 | 10 29 | 2 20 | 12 14 | 0 44 | 22 20 | 1 7 | 1 57 | 15 39 | 16 32 | 16 19 | 12 9 | 9 14 | 0 59 |
| S 14 | 20 25 | 16 25 | 0 2 | 23 52 | 1 49 | 19 9 | 3 18 | 23 42 | 0 53 | 20 58 | 0 39 | 10 30 | 2 20 | 12 13 | 0 44 | 22 20 | 1 7 | 1 57 | 15 39 | 16 32 | 16 18 | 12 12 | 9 14 | 0 59 |
| S 15 | 20 12 | 20 34 | 1s 1 | 23 40 | 1 52 | 19 20 | 3 15 | 23 37 | 0 53 | 21 0 | 0 39 | 10 31 | 2 19 | 12 12 | 0 44 | 22 20 | 1 7 | 1 58 | 15 40 | 16 32 | 16 17 | 12 15 | 9 15 | 0 59 |
| M16 | 19 59 | 23 56 | 2 2 | 23 26 | 1 55 | 19 30 | 3 12 | 23 33 | 0 54 | 21 2 | 0 39 | 10 32 | 2 19 | 12 11 | 0 44 | 22 20 | 1 7 | 1 58 | 15 40 | 16 31 | 16 16 | 12 18 | 9 15 | 0 59 |
| T 17 | 19 45 | 26 15 | 2 58 | 23 10 | 1 57 | 19 40 | 3 9 | 23 27 | 0 54 | 21 3 | 0 39 | 10 33 | 2 19 | 12 10 | 0 44 | 22 20 | 1 7 | 1 58 | 15 41 | 16 30 | 16 15 | 12 21 | 9 15 | 0 58 |
| W18 | 19 31 | 27 18 | 3 47 | 22 53 | 1 59 | 19 50 | 3 6 | 23 22 | 0 55 | 21 5 | 0 39 | 10 34 | 2 18 | 12 9 | 0 44 | 22 20 | 1 7 | 1 58 | 15 41 | 16 27 | 16 14 | 12 24 | 9 16 | 0 58 |
| T 19 | 19 17 | 26 54 | 4 25 | 22 35 | 2 1 | 19 59 | 3 3 | 23 16 | 0 55 | 21 7 | 0 39 | 10 35 | 2 18 | 12 8 | 0 44 | 22 20 | 1 7 | 1 59 | 15 42 | 16 24 | 16 13 | 12 28 | 9 16 | 0 58 |
| F 20 | 19 2 | 24 59 | 4 51 | 22 15 | 2 2 | 20 8 | 2 59 | 23 10 | 0 56 | 21 8 | 0 39 | 10 36 | 2 18 | 12 7 | 0 44 | 22 20 | 1 7 | 1 59 | 15 42 | 16 20 | 16 12 | 12 31 | 9 17 | 0 58 |
| S 21 | 18 47 | 21 37 | 5 0 | 21 53 | 2 3 | 20 17 | 2 56 | 23 4 | 0 56 | 21 10 | 0 39 | 10 37 | 2 18 | 12 5 | 0 44 | 22 20 | 1 7 | 1 59 | 15 43 | 16 17 | 16 12 | 12 34 | 9 17 | 0 58 |
| S 22 | 18 32 | 17 1 | 4 53 | 21 29 | 2 4 | 20 25 | 2 52 | 22 58 | 0 56 | 21 11 | 0 39 | 10 38 | 2 17 | 12 4 | 0 44 | 22 21 | 1 7 | 2 0 | 15 43 | 16 13 | 16 11 | 12 37 | 9 17 | 0 58 |
| M23 | 18 16 | 11 27 | 4 27 | 21 4 | 2 4 | 20 32 | 2 49 | 22 51 | 0 57 | 21 13 | 0 39 | 10 39 | 2 17 | 12 3 | 0 44 | 22 21 | 1 7 | 2 0 | 15 44 | 16 10 | 16 10 | 12 40 | 9 18 | 0 58 |
| T 24 | 18 0 | 5 16 | 3 46 | 20 37 | 2 3 | 20 40 | 2 45 | 22 44 | 0 57 | 21 15 | 0 39 | 10 40 | 2 17 | 12 2 | 0 44 | 22 21 | 1 7 | 2 1 | 15 44 | 16 7 | 16 9 | 12 43 | 9 18 | 0 58 |
| W25 | 17 44 | 1n13 | 2 50 | 20 8 | 2 3 | 20 46 | 2 41 | 22 37 | 0 58 | 21 16 | 0 39 | 10 42 | 2 16 | 12 1 | 0 44 | 22 21 | 1 7 | 2 1 | 15 45 | 16 6 | 16 8 | 12 46 | 9 19 | 0 57 |
| T 26 | 17 27 | 7 39 | 1 44 | 19 38 | 2 1 | 20 52 | 2 37 | 22 29 | 0 58 | 21 17 | 0 39 | 10 43 | 2 16 | 12 0 | 0 44 | 22 21 | 1 7 | 2 1 | 15 45 | 16 5 | 16 7 | 12 49 | 9 19 | 0 57 |
| F 27 | 17 10 | 13 42 | 0 32 | 19 6 | 2 0 | 20 58 | 2 34 | 22 21 | 0 59 | 21 19 | 0 39 | 10 44 | 2 16 | 11 58 | 0 44 | 22 21 | 1 7 | 2 2 | 15 46 | 16 5 | 16 6 | 12 52 | 9 20 | 0 57 |
| S 28 | 16 53 | 19 2 | 0n43 | 18 32 | 1 57 | 21 3 | 2 30 | 22 13 | 0 59 | 21 20 | 0 39 | 10 45 | 2 16 | 11 57 | 0 44 | 22 21 | 1 7 | 2 2 | 15 46 | 16 5 | 16 5 | 12 55 | 9 21 | 0 57 |
| S 29 | 16 35 | 23 17 | 1 54 | 17 57 | 1 55 | 21 8 | 2 26 | 22 5 | 0 59 | 21 22 | 0 39 | 10 47 | 2 15 | 11 56 | 0 44 | 22 21 | 1 7 | 2 3 | 15 47 | 16 4 | 16 4 | 12 58 | 9 21 | 0 57 |
| M30 | 16 18 | 26 8 | 2 58 | 17 20 | 1 51 | 21 12 | 2 22 | 21 57 | 1 0 | 21 23 | 0 39 | 10 48 | 2 15 | 11 55 | 0 44 | 22 21 | 1 7 | 2 3 | 15 47 | 16 3 | 16 3 | 13 1 | 9 22 | 0 57 |
| T 31 | 16s 0 | 27n22 | 3n51 | 16s41 | 1s47 | 21s16 | 2n18 | 21s48 | 1s 0 | 21s24 | 0n39 | 10n50 | 2s15 | 11s54 | 0s44 | 22s21 | 1n 7 | 2n 4 | 15n48 | 16n 2 | 16n 2 | 13s 4 | 9n22 | 0n57 |

Julian Day Number = 2085942.5, Delta T = 24m28s
Ecliptic obliquity = 23°34'14, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'19, Lahiri = 9°54'20 Julian Calendar 1 Jan. 999 == Greg. Calendar 6 Jan. 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## FEBRUARY 999 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 9 3 41 | 17♒27'18 | 17♋28 | 21♒35 | 2♑16 | 28♑ 4 | 9♐58 | 4♉ 7 | 0♓58 | 24♐42 | 3°R42 | 13°R31 | 13♉38 | 6♏25 | 21♈43 | W 1 |
| T 2 | 9 7 38 | 18°27'42 | 1♌ 3 | 23°27 | 3°23 | 28°51 | 10° 7 | 4°10 | 1° 1 | 24°43 | 3♏42 | 13♉20 | 13°35 | 6°31 | 21°45 | T 2 |
| F 3 | 9 11 34 | 19°28'04 | 14°25 | 25°20 | 4°31 | 29°38 | 10°15 | 4°14 | 1° 5 | 24°45 | 3°42 | 13° 7 | 13°32 | 6°38 | 21°47 | F 3 |
| S 4 | 9 15 31 | 20°28'24 | 27°33 | 27°13 | 5°38 | 0♒25 | 10°23 | 4°18 | 1° 8 | 24°46 | 3°42 | 12°54 | 13°29 | 6°44 | 21°49 | S 4 |
| S 5 | 9 19 27 | 21°28'42 | 10♍24 | 29° 7 | 6°46 | 1°11 | 10°32 | 4°22 | 1°11 | 24°48 | 3°42 | 12°41 | 13°25 | 6°51 | 21°52 | S 5 |
| M 6 | 9 23 24 | 22°28'59 | 22°58 | 1♓ 0 | 7°54 | 1°58 | 10°40 | 4°26 | 1°15 | 24°49 | 3°42 | 12°31 | 13°22 | 6°58 | 21°54 | M 6 |
| T 7 | 9 27 21 | 23°29'13 | 5♎16 | 2°54 | 9° 2 | 2°45 | 10°48 | 4°30 | 1°18 | 24°50 | 3°41 | 12°23 | 13°19 | 7° 4 | 21°56 | T 7 |
| W 8 | 9 31 17 | 24°29'26 | 17°20 | 4°47 | 10°11 | 3°32 | 10°56 | 4°34 | 1°22 | 24°52 | 3°41 | 12°18 | 13°16 | 7°11 | 21°58 | W 8 |
| T 9 | 9 35 14 | 25°29'38 | 29°14 | 6°39 | 11°19 | 4°19 | 11° 4 | 4°38 | 1°25 | 24°53 | 3°41 | 12°15 | 13°13 | 7°18 | 22° 1 | T 9 |
| F 10 | 9 39 10 | 26°29'48 | 11♏ 3 | 8°31 | 12°28 | 5° 6 | 11°11 | 4°43 | 1°29 | 24°54 | 3°41 | 12°D14 | 13° 9 | 7°24 | 22° 3 | F 10 |
| S 11 | 9 43 7 | 27°29'56 | 22°50 | 10°21 | 13°36 | 5°53 | 11°19 | 4°47 | 1°32 | 24°56 | 3°40 | 12°R15 | 13° 6 | 7°31 | 22° 6 | S 11 |
| S 12 | 9 47 3 | 28°30'03 | 4♐43 | 12° 9 | 14°45 | 6°40 | 11°26 | 4°51 | 1°35 | 24°57 | 3°40 | 12°14 | 13° 3 | 7°38 | 22° 8 | S 12 |
| M13 | 9 51 0 | 29°30'08 | 16°47 | 13°55 | 15°54 | 7°27 | 11°33 | 4°56 | 1°39 | 24°58 | 3°39 | 12°13 | 13° 0 | 7°44 | 22°11 | M13 |
| T 14 | 9 54 56 | 0♓30'12 | 29° 6 | 15°38 | 17° 3 | 8°14 | 11°40 | 5° 1 | 1°42 | 24°59 | 3°39 | 12°10 | 12°57 | 7°51 | 22°13 | T 14 |
| W15 | 9 58 53 | 1°30'14 | 11♑45 | 17°18 | 18°12 | 9° 1 | 11°47 | 5° 6 | 1°46 | 25° 1 | 3°38 | 12° 3 | 12°54 | 7°58 | 22°16 | W15 |
| T 16 | 10 2 50 | 2°30'14 | 24°48 | 18°55 | 19°22 | 9°48 | 11°54 | 5°10 | 1°49 | 25° 2 | 3°38 | 11°55 | 12°50 | 8° 4 | 22°19 | T 16 |
| F 17 | 10 6 46 | 3°30'12 | 8♒14 | 20°27 | 20°31 | 10°35 | 12° 0 | 5°15 | 1°53 | 25° 3 | 3°37 | 11°45 | 12°47 | 8°11 | 22°21 | F 17 |
| S 18 | 10 10 43 | 4°30'09 | 22° 4 | 21°54 | 21°40 | 11°22 | 12° 7 | 5°20 | 1°56 | 25° 4 | 3°37 | 11°33 | 12°44 | 8°17 | 22°24 | S 18 |
| S 19 | 10 14 39 | 5°30'03 | 6♓14 | 23°17 | 22°50 | 12° 9 | 12°13 | 5°26 | 2° 0 | 25° 5 | 3°36 | 11°22 | 12°41 | 8°24 | 22°27 | S 19 |
| M20 | 10 18 36 | 6°29'56 | 20°39 | 24°33 | 24° 0 | 12°56 | 12°19 | 5°31 | 2° 3 | 25° 6 | 3°35 | 11°13 | 12°38 | 8°31 | 22°30 | M20 |
| T 21 | 10 22 32 | 7°29'46 | 5♈11 | 25°43 | 25° 9 | 13°43 | 12°25 | 5°36 | 2° 6 | 25° 7 | 3°35 | 11° 6 | 12°34 | 8°37 | 22°32 | T 21 |
| W22 | 10 26 29 | 8°29'34 | 19°45 | 26°46 | 26°19 | 14°30 | 12°31 | 5°41 | 2°10 | 25° 8 | 3°34 | 11° 2 | 12°31 | 8°44 | 22°35 | W22 |
| T 23 | 10 30 25 | 9°29'20 | 4♉15 | 27°43 | 27°29 | 15°17 | 12°37 | 5°47 | 2°13 | 25° 9 | 3°33 | 11° 0 | 12°28 | 8°51 | 22°38 | T 23 |
| F 24 | 10 34 22 | 10°29'04 | 18°37 | 28°31 | 28°39 | 16° 4 | 12°42 | 5°52 | 2°17 | 25°10 | 3°32 | 11°D 0 | 12°25 | 8°57 | 22°41 | F 24 |
| S 25 | 10 38 18 | 11°28'45 | 2♊47 | 29°12 | 29°49 | 16°51 | 12°48 | 5°58 | 2°20 | 25°11 | 3°31 | 11° 0 | 12°22 | 9° 4 | 22°44 | S 25 |
| S 26 | 10 42 15 | 12°28'25 | 16°46 | 29°45 | 0♒59 | 17°38 | 12°53 | 6° 3 | 2°24 | 25°12 | 3°31 | 11°R 1 | 12°19 | 9°11 | 22°47 | S 26 |
| M27 | 10 46 12 | 13°28'01 | 0♋32 | 0♈10 | 2° 9 | 18°25 | 12°58 | 6° 9 | 2°27 | 25°12 | 3°30 | 10°59 | 12°15 | 9°17 | 22°50 | M27 |
| T 28 | 10 50 8 | 14♓27'36 | 14♋ 6 | 0♈27 | 3♒19 | 19♒12 | 13♐ 3 | 6♉15 | 2♓30 | 25♐13 | 3♏29 | 10♉56 | 12♉12 | 9♏24 | 22♈53 | T 28 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 15s41 | 26n53 | 4n30 | 16s 1 | 1s43 | 21s19 | 2n14 | 21s39 | 1s 0 | 21s26 | 0n39 | 10n51 | 2s14 | 11s52 | 0s44 | 22s21 | 1n 7 | 2n 4 | 15n48 | 15n59 | 16n 1 | 13s 7 | 9n23 | 0n57 |
| T 2 | 15 23 | 24 48 | 4 53 | 15 19 | 1 38 | 21 22 | 2 10 | 21 30 | 1 1 | 21 27 | 0 39 | 10 53 | 2 14 | 11 51 | 0 44 | 22 21 | 1 7 | 2 4 | 15 49 | 15 56 | 16 0 | 13 10 | 9 24 | 0 57 |
| F 3 | 15 4 | 21 22 | 5 0 | 14 36 | 1 32 | 21 24 | 2 6 | 21 20 | 1 1 | 21 28 | 0 39 | 10 54 | 2 14 | 11 50 | 0 44 | 22 21 | 1 7 | 2 5 | 15 49 | 15 52 | 15 59 | 13 13 | 9 24 | 0 56 |
| S 4 | 14 45 | 16 56 | 4 51 | 13 51 | 1 26 | 21 26 | 2 1 | 21 11 | 1 2 | 21 29 | 0 39 | 10 56 | 2 14 | 11 49 | 0 44 | 22 21 | 1 7 | 2 5 | 15 50 | 15 48 | 15 58 | 13 16 | 9 25 | 0 56 |
| S 5 | 14 25 | 11 49 | 4 26 | 13 5 | 1 19 | 21 27 | 1 57 | 21 1 | 1 2 | 21 30 | 0 39 | 10 57 | 2 13 | 11 47 | 0 44 | 22 21 | 1 7 | 2 6 | 15 50 | 15 44 | 15 57 | 13 19 | 9 26 | 0 56 |
| M 6 | 14 6 | 6 19 | 3 50 | 12 17 | 1 12 | 21 27 | 1 53 | 20 50 | 1 2 | 21 32 | 0 39 | 10 59 | 2 13 | 11 46 | 0 44 | 22 21 | 1 7 | 2 6 | 15 50 | 15 41 | 15 56 | 13 22 | 9 27 | 0 56 |
| T 7 | 13 46 | 0 41 | 3 3 | 11 29 | 1 3 | 21 27 | 1 49 | 20 40 | 1 3 | 21 33 | 0 39 | 11 0 | 2 13 | 11 45 | 0 44 | 22 21 | 1 7 | 2 7 | 15 51 | 15 38 | 15 55 | 13 25 | 9 27 | 0 56 |
| W 8 | 13 26 | 4s52 | 2 8 | 10 39 | 0 54 | 21 26 | 1 45 | 20 29 | 1 3 | 21 34 | 0 39 | 11 2 | 2 12 | 11 44 | 0 44 | 22 21 | 1 7 | 2 8 | 15 51 | 15 37 | 15 54 | 13 28 | 9 28 | 0 56 |
| T 9 | 13 6 | 10 12 | 1 9 | 9 49 | 0 45 | 21 25 | 1 40 | 20 19 | 1 3 | 21 35 | 0 39 | 11 4 | 2 12 | 11 43 | 0 44 | 22 21 | 1 7 | 2 8 | 15 52 | 15 36 | 15 53 | 13 31 | 9 29 | 0 56 |
| F 10 | 12 45 | 15 7 | 0 6 | 8 58 | 0 35 | 21 23 | 1 36 | 20 7 | 1 4 | 21 36 | 0 39 | 11 5 | 2 12 | 11 41 | 0 44 | 22 21 | 1 7 | 2 9 | 15 52 | 15 36 | 15 52 | 13 34 | 9 30 | 0 56 |
| S 11 | 12 24 | 19 29 | 0s56 | 8 6 | 0 24 | 21 21 | 1 32 | 19 56 | 1 4 | 21 37 | 0 39 | 11 7 | 2 12 | 11 40 | 0 44 | 22 21 | 1 7 | 2 9 | 15 53 | 15 36 | 15 51 | 13 37 | 9 30 | 0 55 |
| S 12 | 12 4 | 23 6 | 1 57 | 7 14 | 0 13 | 21 18 | 1 28 | 19 45 | 1 4 | 21 38 | 0 39 | 11 9 | 2 11 | 11 39 | 0 44 | 22 21 | 1 7 | 2 10 | 15 53 | 15 36 | 15 51 | 13 40 | 9 31 | 0 55 |
| M13 | 11 43 | 25 46 | 2 53 | 6 23 | 0 1 | 21 14 | 1 24 | 19 33 | 1 5 | 21 39 | 0 39 | 11 11 | 2 11 | 11 38 | 0 44 | 22 21 | 1 7 | 2 10 | 15 54 | 15 35 | 15 50 | 13 43 | 9 32 | 0 55 |
| T 14 | 11 21 | 27 16 | 3 42 | 5 31 | 0n11 | 21 10 | 1 19 | 19 21 | 1 5 | 21 40 | 0 39 | 11 12 | 2 11 | 11 36 | 0 44 | 22 21 | 1 7 | 2 11 | 15 54 | 15 34 | 15 49 | 13 46 | 9 33 | 0 55 |
| W15 | 11 0 | 27 24 | 4 22 | 4 40 | 0 24 | 21 5 | 1 15 | 19 9 | 1 5 | 21 41 | 0 39 | 11 14 | 2 11 | 11 35 | 0 44 | 22 21 | 1 7 | 2 11 | 15 55 | 15 32 | 15 48 | 13 49 | 9 34 | 0 55 |
| T 16 | 10 38 | 26 2 | 4 49 | 3 50 | 0 37 | 21 0 | 1 11 | 18 57 | 1 5 | 21 42 | 0 39 | 11 16 | 2 10 | 11 34 | 0 44 | 22 21 | 1 7 | 2 12 | 15 55 | 15 30 | 15 47 | 13 52 | 9 35 | 0 55 |
| F 17 | 10 17 | 23 10 | 5 2 | 3 2 | 0 51 | 20 54 | 1 7 | 18 44 | 1 6 | 21 43 | 0 39 | 11 18 | 2 10 | 11 33 | 0 44 | 22 21 | 1 7 | 2 13 | 15 56 | 15 26 | 15 46 | 13 55 | 9 36 | 0 55 |
| S 18 | 9 55 | 18 55 | 4 58 | 2 14 | 1 5 | 20 47 | 1 2 | 18 31 | 1 6 | 21 43 | 0 39 | 11 20 | 2 10 | 11 31 | 0 44 | 22 22 | 1 7 | 2 13 | 15 56 | 15 23 | 15 45 | 13 58 | 9 37 | 0 55 |
| S 19 | 9 33 | 13 31 | 4 35 | 1 29 | 1 18 | 20 40 | 0 58 | 18 18 | 1 6 | 21 44 | 0 39 | 11 22 | 2 10 | 11 30 | 0 44 | 22 22 | 1 7 | 2 14 | 15 56 | 15 20 | 15 44 | 14 1 | 9 38 | 0 55 |
| M20 | 9 11 | 7 19 | 3 55 | 0 46 | 1 32 | 20 32 | 0 54 | 18 5 | 1 7 | 21 45 | 0 39 | 11 24 | 2 9 | 11 29 | 0 44 | 22 22 | 1 7 | 2 14 | 15 57 | 15 17 | 15 43 | 14 4 | 9 39 | 0 54 |
| T 21 | 8 48 | 0 39 | 2 59 | 0 6 | 1 46 | 20 24 | 0 50 | 17 52 | 1 7 | 21 46 | 0 39 | 11 26 | 2 9 | 11 28 | 0 44 | 22 22 | 1 7 | 2 15 | 15 57 | 15 14 | 15 42 | 14 7 | 9 39 | 0 54 |
| W22 | 8 26 | 6n 4 | 1 51 | 0n32 | 1 59 | 20 15 | 0 46 | 17 38 | 1 7 | 21 46 | 0 39 | 11 28 | 2 9 | 11 26 | 0 44 | 22 22 | 1 7 | 2 16 | 15 58 | 15 13 | 15 41 | 14 10 | 9 40 | 0 54 |
| T 23 | 8 3 | 12 27 | 0 36 | 1 6 | 2 12 | 20 6 | 0 42 | 17 25 | 1 7 | 21 47 | 0 39 | 11 30 | 2 9 | 11 25 | 0 44 | 22 22 | 1 7 | 2 16 | 15 58 | 15 12 | 15 40 | 14 13 | 9 41 | 0 54 |
| F 24 | 7 41 | 18 6 | 0n41 | 1 37 | 2 25 | 19 56 | 0 38 | 17 11 | 1 8 | 21 48 | 0 39 | 11 32 | 2 9 | 11 24 | 0 44 | 22 22 | 1 7 | 2 17 | 15 58 | 15 12 | 15 39 | 14 16 | 9 43 | 0 54 |
| S 25 | 7 18 | 22 41 | 1 54 | 2 4 | 2 36 | 19 45 | 0 34 | 16 57 | 1 8 | 21 49 | 0 39 | 11 34 | 2 8 | 11 23 | 0 44 | 22 22 | 1 7 | 2 18 | 15 59 | 15 13 | 15 38 | 14 19 | 9 44 | 0 54 |
| S 26 | 6 55 | 25 53 | 2 59 | 2 28 | 2 48 | 19 34 | 0 30 | 16 43 | 1 8 | 21 49 | 0 39 | 11 36 | 2 8 | 11 22 | 0 44 | 22 22 | 1 7 | 2 18 | 15 59 | 15 13 | 15 37 | 14 22 | 9 45 | 0 54 |
| M27 | 6 32 | 27 27 | 3 53 | 2 47 | 2 58 | 19 23 | 0 26 | 16 28 | 1 8 | 21 50 | 0 39 | 11 38 | 2 8 | 11 20 | 0 44 | 22 22 | 1 7 | 2 19 | 16 0 | 15 12 | 15 36 | 14 25 | 9 46 | 0 54 |
| T 28 | 6s 9 | 27n21 | 4n33 | 3n 2 | 3n 7 | 19s10 | 0n22 | 16s14 | 1s 8 | 21s50 | 0n39 | 11n40 | 2s 8 | 11s19 | 0s44 | 22s22 | 1n 8 | 2n20 | 16n 0 | 15n11 | 15n35 | 14s28 | 9n47 | 0n54 |

Julian Day Number = 2085973.5, Delta T = 24m27s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'23, Lahiri = 9°54'24 Julian Calendar 1 Feb. 999 == Greg. Calendar 6 Feb. 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## MARCH 999 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 10 54 5 | 15♓27'08 | 27♋29 | 0♈35 | 4♒29 | 19♒59 | 13♐ 7 | 6♉21 | 2♓34 | 25♐14 | 3°R28 | 10°R50 | 12♉ 9 | 9♏31 | 22♈57 | W 1 |
| T 2 | 10 58 1 | 16°26'37 | 10♌40 | 0°R35 | 5°40 | 20°46 | 13°12 | 6°27 | 2°37 | 25°15 | 3♏27 | 10♉42 | 12° 6 | 9°37 | 23° 0 | T 2 |
| F 3 | 11 1 58 | 17°26'05 | 23°38 | 0°28 | 6°50 | 21°33 | 13°16 | 6°33 | 2°40 | 25°15 | 3°26 | 10°32 | 12° 3 | 9°44 | 23° 3 | F 3 |
| S 4 | 11 5 54 | 18°25'30 | 6♍24 | 0°13 | 8° 1 | 22°20 | 13°20 | 6°39 | 2°44 | 25°16 | 3°25 | 10°22 | 12° 0 | 9°51 | 23° 6 | S 4 |
| S 5 | 11 9 51 | 19°24'53 | 18°57 | 29♓51 | 9°11 | 23° 7 | 13°24 | 6°45 | 2°47 | 25°17 | 3°24 | 10°13 | 11°56 | 9°57 | 23° 9 | S 5 |
| M 6 | 11 13 47 | 20°24'14 | 1♎18 | 29°23 | 10°22 | 23°54 | 13°28 | 6°51 | 2°50 | 25°17 | 3°23 | 10° 6 | 11°53 | 10° 4 | 23°13 | M 6 |
| T 7 | 11 17 44 | 21°23'32 | 13°27 | 28°48 | 11°32 | 24°41 | 13°32 | 6°57 | 2°54 | 25°18 | 3°22 | 10° 0 | 11°50 | 10°10 | 23°16 | T 7 |
| W 8 | 11 21 41 | 22°22'49 | 25°26 | 28° 9 | 12°43 | 25°28 | 13°35 | 7° 3 | 2°57 | 25°18 | 3°20 | 9°57 | 11°47 | 10°17 | 23°19 | W 8 |
| T 9 | 11 25 37 | 23°22'04 | 7♏17 | 27°26 | 13°54 | 26°14 | 13°39 | 7°10 | 3° 0 | 25°19 | 3°19 | 9°D55 | 11°44 | 10°24 | 23°23 | T 9 |
| F 10 | 11 29 34 | 24°21'17 | 19° 5 | 26°39 | 15° 5 | 27° 1 | 13°42 | 7°16 | 3° 4 | 25°19 | 3°18 | 9°56 | 11°40 | 10°30 | 23°26 | F 10 |
| S 11 | 11 33 30 | 25°20'28 | 0♐53 | 25°51 | 16°16 | 27°48 | 13°45 | 7°22 | 3° 7 | 25°19 | 3°17 | 9°57 | 11°37 | 10°37 | 23°29 | S 11 |
| S 12 | 11 37 27 | 26°19'38 | 12°46 | 25° 1 | 17°27 | 28°35 | 13°48 | 7°29 | 3°10 | 25°20 | 3°16 | 9°59 | 11°34 | 10°44 | 23°33 | S 12 |
| M13 | 11 41 23 | 27°18'45 | 24°48 | 24°11 | 18°38 | 29°22 | 13°50 | 7°35 | 3°13 | 25°20 | 3°14 | 9°R59 | 11°31 | 10°50 | 23°36 | M13 |
| T 14 | 11 45 20 | 28°17'51 | 7♑ 6 | 23°22 | 19°49 | 0♓ 9 | 13°53 | 7°42 | 3°17 | 25°21 | 3°13 | 9°59 | 11°28 | 10°57 | 23°40 | T 14 |
| W15 | 11 49 16 | 29°16'55 | 19°44 | 22°35 | 21° 0 | 0°56 | 13°55 | 7°49 | 3°20 | 25°21 | 3°12 | 9°57 | 11°25 | 11° 4 | 23°43 | W15 |
| T 16 | 11 53 13 | 0♈15'57 | 2♒45 | 21°50 | 22°11 | 1°42 | 13°57 | 7°55 | 3°23 | 25°21 | 3°11 | 9°53 | 11°21 | 11°10 | 23°47 | T 16 |
| F 17 | 11 57 10 | 1°14'57 | 16°13 | 21° 8 | 23°22 | 2°29 | 13°59 | 8° 2 | 3°26 | 25°21 | 3° 9 | 9°48 | 11°18 | 11°17 | 23°50 | F 17 |
| S 18 | 12 1 6 | 2°13'56 | 0♓ 8 | 20°31 | 24°33 | 3°16 | 14° 0 | 8° 9 | 3°29 | 25°21 | 3° 8 | 9°42 | 11°15 | 11°24 | 23°54 | S 18 |
| S 19 | 12 5 3 | 3°12'52 | 14°28 | 19°57 | 25°45 | 4° 3 | 14° 2 | 8°16 | 3°32 | 25°22 | 3° 6 | 9°37 | 11°12 | 11°30 | 23°57 | S 19 |
| M20 | 12 8 59 | 4°11'47 | 29° 7 | 19°29 | 26°56 | 4°49 | 14° 3 | 8°23 | 3°35 | 25°22 | 3° 5 | 9°31 | 11° 9 | 11°37 | 24° 1 | M20 |
| T 21 | 12 12 56 | 5°10'39 | 14♈ 0 | 19° 5 | 28° 7 | 5°36 | 14° 4 | 8°30 | 3°38 | 25°22 | 3° 4 | 9°28 | 11° 6 | 11°43 | 24° 5 | T 21 |
| W22 | 12 16 52 | 6° 9'29 | 28°57 | 18°47 | 29°19 | 6°23 | 14° 5 | 8°37 | 3°42 | 25°22 | 3° 2 | 9°26 | 11° 2 | 11°50 | 24° 8 | W22 |
| T 23 | 12 20 49 | 7° 8'18 | 13♉51 | 18°34 | 0♓30 | 7° 9 | 14° 6 | 8°44 | 3°45 | 25°R22 | 3° 1 | 9°D26 | 10°59 | 11°57 | 24°12 | T 23 |
| F 24 | 12 24 45 | 8° 7'04 | 28°34 | 18°27 | 1°41 | 7°56 | 14° 7 | 8°51 | 3°48 | 25°22 | 2°59 | 9°27 | 10°56 | 12° 3 | 24°16 | F 24 |
| S 25 | 12 28 42 | 9° 5'47 | 13♊ 1 | 18°D24 | 2°53 | 8°43 | 14° 7 | 8°58 | 3°50 | 25°22 | 2°58 | 9°28 | 10°53 | 12°10 | 24°19 | S 25 |
| S 26 | 12 32 39 | 10° 4'29 | 27°10 | 18°27 | 4° 4 | 9°29 | 14°R 7 | 9° 5 | 3°53 | 25°22 | 2°56 | 9°29 | 10°50 | 12°17 | 24°23 | S 26 |
| M27 | 12 36 35 | 11° 3'08 | 10♋59 | 18°35 | 5°16 | 10°16 | 14° 7 | 9°12 | 3°56 | 25°22 | 2°55 | 9°R30 | 10°46 | 12°23 | 24°27 | M27 |
| T 28 | 12 40 32 | 12° 1'45 | 24°28 | 18°48 | 6°27 | 11° 2 | 14° 7 | 9°20 | 3°59 | 25°21 | 2°53 | 9°29 | 10°43 | 12°30 | 24°30 | T 28 |
| W29 | 12 44 28 | 13° 0'20 | 7♌40 | 19° 6 | 7°39 | 11°49 | 14° 7 | 9°27 | 4° 2 | 25°21 | 2°52 | 9°27 | 10°40 | 12°37 | 24°34 | W29 |
| T 30 | 12 48 25 | 13°58'52 | 20°35 | 19°28 | 8°51 | 12°35 | 14° 6 | 9°34 | 4° 5 | 25°21 | 2°50 | 9°24 | 10°37 | 12°43 | 24°38 | T 30 |
| F 31 | 12 52 21 | 14♈57'22 | 3♍15 | 19♓55 | 10♓ 2 | 13♓22 | 14♐ 5 | 9♉41 | 4♓ 8 | 25♐21 | 2♏49 | 9♉21 | 10♉34 | 12♏50 | 24♈41 | F 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 5s46 | 25n38 | 4n57 | 3n13 | 3n15 | 18s58 | 0n18 | 15s59 | 1s 9 | 21s51 | 0n39 | 11n42 | 2s 7 | 11s18 | 0s44 | 22s22 | 1n 8 | 2n20 | 16n 0 | 15n 9 | 15n34 | 14s31 | 9n48 | 0n54 |
| T 2 | 5 23 | 22 33 | 5 6 | 3 19 | 3 22 | 18 44 | 0 14 | 15 44 | 1 9 | 21 52 | 0 39 | 11 44 | 2 7 | 11 17 | 0 44 | 22 22 | 1 8 | 2 21 | 16 1 | 15 7 | 15 33 | 14 34 | 9 49 | 0 53 |
| F 3 | 4 59 | 18 23 | 4 58 | 3 21 | 3 27 | 18 30 | 0 10 | 15 29 | 1 9 | 21 52 | 0 39 | 11 47 | 2 7 | 11 15 | 0 44 | 22 22 | 1 8 | 2 22 | 16 1 | 15 4 | 15 32 | 14 37 | 9 50 | 0 53 |
| S 4 | 4 36 | 13 28 | 4 35 | 3 18 | 3 31 | 18 16 | 0 6 | 15 14 | 1 9 | 21 53 | 0 39 | 11 49 | 2 7 | 11 14 | 0 44 | 22 22 | 1 8 | 2 22 | 16 1 | 15 1 | 15 31 | 14 40 | 9 51 | 0 53 |
| S 5 | 4 13 | 8 4 | 3 59 | 3 11 | 3 33 | 18 1 | 0 2 | 14 59 | 1 9 | 21 53 | 0 39 | 11 51 | 2 7 | 11 13 | 0 44 | 22 22 | 1 8 | 2 23 | 16 2 | 14 58 | 15 30 | 14 43 | 9 52 | 0 53 |
| M 6 | 3 49 | 2 26 | 3 13 | 3 0 | 3 33 | 17 46 | 0s 1 | 14 43 | 1 10 | 21 53 | 0 39 | 11 53 | 2 6 | 11 12 | 0 44 | 22 22 | 1 8 | 2 24 | 16 2 | 14 55 | 15 29 | 14 46 | 9 53 | 0 53 |
| T 7 | 3 26 | 3s13 | 2 18 | 2 45 | 3 32 | 17 30 | 0 5 | 14 28 | 1 10 | 21 54 | 0 39 | 11 55 | 2 6 | 11 11 | 0 44 | 22 22 | 1 8 | 2 24 | 16 2 | 14 54 | 15 28 | 14 48 | 9 54 | 0 53 |
| W 8 | 3 2 | 8 41 | 1 18 | 2 27 | 3 28 | 17 13 | 0 9 | 14 12 | 1 10 | 21 54 | 0 39 | 11 58 | 2 6 | 11 9 | 0 44 | 22 22 | 1 8 | 2 25 | 16 3 | 14 53 | 15 27 | 14 51 | 9 56 | 0 53 |
| T 9 | 2 39 | 13 48 | 0 14 | 2 5 | 3 23 | 16 57 | 0 12 | 13 56 | 1 10 | 21 55 | 0 39 | 12 0 | 2 6 | 11 8 | 0 44 | 22 22 | 1 8 | 2 26 | 16 3 | 14 52 | 15 26 | 14 54 | 9 57 | 0 53 |
| F 10 | 2 15 | 18 23 | 0s49 | 1 40 | 3 17 | 16 39 | 0 16 | 13 40 | 1 10 | 21 55 | 0 39 | 12 2 | 2 6 | 11 7 | 0 44 | 22 21 | 1 8 | 2 26 | 16 3 | 14 52 | 15 25 | 14 57 | 9 58 | 0 53 |
| S 11 | 1 52 | 22 16 | 1 51 | 1 13 | 3 8 | 16 21 | 0 19 | 13 24 | 1 10 | 21 55 | 0 39 | 12 4 | 2 5 | 11 6 | 0 44 | 22 21 | 1 8 | 2 27 | 16 4 | 14 53 | 15 24 | 15 0 | 9 59 | 0 53 |
| S 12 | 1 28 | 25 14 | 2 49 | 0 44 | 2 58 | 16 3 | 0 23 | 13 8 | 1 10 | 21 56 | 0 39 | 12 7 | 2 5 | 11 5 | 0 44 | 22 21 | 1 8 | 2 28 | 16 4 | 14 53 | 15 23 | 15 3 | 10 0 | 0 53 |
| M13 | 1 4 | 27 7 | 3 39 | 0 14 | 2 47 | 15 44 | 0 26 | 12 51 | 1 10 | 21 56 | 0 39 | 12 9 | 2 5 | 11 4 | 0 44 | 22 21 | 1 8 | 2 28 | 16 4 | 14 53 | 15 22 | 15 6 | 10 2 | 0 52 |
| T 14 | 0 41 | 27 44 | 4 21 | 0s17 | 2 34 | 15 25 | 0 29 | 12 35 | 1 11 | 21 56 | 0 39 | 12 11 | 2 5 | 11 2 | 0 44 | 22 21 | 1 8 | 2 29 | 16 5 | 14 53 | 15 21 | 15 9 | 10 3 | 0 52 |
| W15 | 0 17 | 26 55 | 4 52 | 0 49 | 2 21 | 15 5 | 0 32 | 12 18 | 1 11 | 21 57 | 0 39 | 12 14 | 2 5 | 11 1 | 0 44 | 22 21 | 1 8 | 2 30 | 16 5 | 14 53 | 15 20 | 15 12 | 10 4 | 0 52 |
| T 16 | 0n 6 | 24 39 | 5 8 | 1 20 | 2 6 | 14 45 | 0 36 | 12 2 | 1 11 | 21 57 | 0 39 | 12 16 | 2 5 | 11 0 | 0 44 | 22 21 | 1 8 | 2 30 | 16 5 | 14 52 | 15 19 | 15 15 | 10 5 | 0 52 |
| F 17 | 0 30 | 20 58 | 5 9 | 1 50 | 1 51 | 14 25 | 0 39 | 11 45 | 1 11 | 21 57 | 0 39 | 12 18 | 2 4 | 10 59 | 0 44 | 22 21 | 1 8 | 2 31 | 16 5 | 14 50 | 15 18 | 15 18 | 10 6 | 0 52 |
| S 18 | 0 54 | 16 1 | 4 51 | 2 19 | 1 35 | 14 4 | 0 42 | 11 28 | 1 11 | 21 57 | 0 39 | 12 21 | 2 4 | 10 58 | 0 44 | 22 21 | 1 8 | 2 32 | 16 6 | 14 48 | 15 17 | 15 21 | 10 8 | 0 52 |
| S 19 | 1 17 | 10 4 | 4 16 | 2 47 | 1 19 | 13 43 | 0 45 | 11 11 | 1 11 | 21 57 | 0 40 | 12 23 | 2 4 | 10 57 | 0 44 | 22 21 | 1 8 | 2 32 | 16 6 | 14 46 | 15 16 | 15 24 | 10 9 | 0 52 |
| M20 | 1 41 | 3 26 | 3 22 | 3 13 | 1 3 | 13 21 | 0 48 | 10 54 | 1 11 | 21 58 | 0 40 | 12 25 | 2 4 | 10 56 | 0 44 | 22 21 | 1 8 | 2 33 | 16 6 | 14 45 | 15 15 | 15 26 | 10 10 | 0 52 |
| T 21 | 2 4 | 3n29 | 2 14 | 3 37 | 0 47 | 12 59 | 0 51 | 10 37 | 1 11 | 21 58 | 0 40 | 12 28 | 2 4 | 10 55 | 0 44 | 22 21 | 1 8 | 2 34 | 16 6 | 14 43 | 15 14 | 15 29 | 10 11 | 0 52 |
| W22 | 2 28 | 10 16 | 0 57 | 3 59 | 0 31 | 12 37 | 0 53 | 10 19 | 1 11 | 21 58 | 0 40 | 12 30 | 2 4 | 10 53 | 0 44 | 22 21 | 1 8 | 2 34 | 16 7 | 14 43 | 15 13 | 15 32 | 10 13 | 0 52 |
| T 23 | 2 51 | 16 28 | 0n24 | 4 18 | 0 16 | 12 14 | 0 56 | 10 2 | 1 11 | 21 58 | 0 40 | 12 32 | 2 3 | 10 52 | 0 44 | 22 21 | 1 8 | 2 35 | 16 7 | 14 43 | 15 12 | 15 35 | 10 14 | 0 52 |
| F 24 | 3 14 | 21 37 | 1 43 | 4 35 | 0 1 | 11 51 | 0 59 | 9 44 | 1 11 | 21 58 | 0 40 | 12 35 | 2 3 | 10 51 | 0 44 | 22 21 | 1 8 | 2 36 | 16 7 | 14 43 | 15 11 | 15 38 | 10 15 | 0 51 |
| S 25 | 3 37 | 25 21 | 2 54 | 4 50 | 0s14 | 11 27 | 1 1 | 9 27 | 1 11 | 21 58 | 0 40 | 12 37 | 2 3 | 10 50 | 0 44 | 22 21 | 1 8 | 2 36 | 16 7 | 14 43 | 15 10 | 15 41 | 10 16 | 0 51 |
| S 26 | 4 1 | 27 25 | 3 52 | 5 2 | 0 29 | 11 3 | 1 4 | 9 9 | 1 11 | 21 58 | 0 40 | 12 40 | 2 3 | 10 49 | 0 44 | 22 21 | 1 8 | 2 37 | 16 7 | 14 44 | 15 9 | 15 44 | 10 18 | 0 51 |
| M27 | 4 24 | 27 42 | 4 36 | 5 11 | 0 42 | 10 39 | 1 6 | 8 52 | 1 11 | 21 58 | 0 40 | 12 42 | 2 3 | 10 48 | 0 44 | 22 21 | 1 8 | 2 38 | 16 8 | 14 44 | 15 8 | 15 47 | 10 19 | 0 51 |
| T 28 | 4 47 | 26 19 | 5 3 | 5 18 | 0 55 | 10 15 | 1 8 | 8 34 | 1 11 | 21 58 | 0 40 | 12 44 | 2 3 | 10 47 | 0 44 | 22 21 | 1 8 | 2 38 | 16 8 | 14 44 | 15 7 | 15 50 | 10 20 | 0 51 |
| W29 | 5 10 | 23 30 | 5 14 | 5 22 | 1 8 | 9 50 | 1 11 | 8 16 | 1 11 | 21 58 | 0 40 | 12 47 | 2 3 | 10 46 | 0 44 | 22 21 | 1 8 | 2 39 | 16 8 | 14 43 | 15 6 | 15 52 | 10 22 | 0 51 |
| T 30 | 5 33 | 19 34 | 5 8 | 5 24 | 1 19 | 9 25 | 1 13 | 7 58 | 1 11 | 21 58 | 0 40 | 12 49 | 2 2 | 10 45 | 0 44 | 22 21 | 1 8 | 2 40 | 16 8 | 14 42 | 15 5 | 15 55 | 10 23 | 0 51 |
| F 31 | 5n55 | 14n49 | 4n47 | 5s24 | 1s31 | 9s 0 | 1s15 | 7s40 | 1s11 | 21s58 | 0n40 | 12n52 | 2s 2 | 10s44 | 0s44 | 22s21 | 1n 8 | 2n40 | 16n 8 | 14n41 | 15n 4 | 15s58 | 10n24 | 0n51 |

Julian Day Number = 2086001.5, Delta T = 24m27s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'27, Lahiri = 9°54'28 Julian Calendar 1 March 999 == Greg. Calendar 6 March 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## APRIL 999 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 12 56 18 | 15♈55'50 | 15♍43 | 20♓26 | 11♓14 | 14♓ 8 | 14°R 4 | 9♉49 | 4♓11 | 25°R20 | 2°R47 | 9°R17 | 10♉31 | 12♏57 | 24♈45 | S 1 |
| S 2 | 13 0 14 | 16°54'16 | 27°59 | 21° 2 | 12°26 | 14°54 | 14♐ 3 | 9°56 | 4°13 | 25♐20 | 2♏45 | 9♉13 | 10°27 | 13° 3 | 24°49 | S 2 |
| M 3 | 13 4 11 | 17°52'40 | 10♎ 5 | 21°41 | 13°37 | 15°41 | 14° 2 | 10° 4 | 4°16 | 25°20 | 2°44 | 9°10 | 10°24 | 13°10 | 24°53 | M 3 |
| T 4 | 13 8 7 | 18°51'02 | 22° 4 | 22°24 | 14°49 | 16°27 | 14° 0 | 10°11 | 4°19 | 25°19 | 2°42 | 9° 8 | 10°21 | 13°16 | 24°56 | T 4 |
| W 5 | 13 12 4 | 19°49'22 | 3♏57 | 23°10 | 16° 1 | 17°13 | 13°59 | 10°18 | 4°21 | 25°19 | 2°41 | 9°D 7 | 10°18 | 13°23 | 25° 0 | W 5 |
| T 6 | 13 16 1 | 20°47'40 | 15°45 | 24° 0 | 17°13 | 18° 0 | 13°57 | 10°26 | 4°24 | 25°19 | 2°39 | 9° 7 | 10°15 | 13°30 | 25° 4 | T 6 |
| F 7 | 13 19 57 | 21°45'57 | 27°33 | 24°53 | 18°25 | 18°46 | 13°55 | 10°33 | 4°27 | 25°18 | 2°37 | 9° 8 | 10°11 | 13°36 | 25° 8 | F 7 |
| S 8 | 13 23 54 | 22°44'12 | 9♐22 | 25°49 | 19°36 | 19°32 | 13°52 | 10°41 | 4°29 | 25°18 | 2°36 | 9°10 | 10° 8 | 13°43 | 25°11 | S 8 |
| S 9 | 13 27 50 | 23°42'25 | 21°16 | 26°49 | 20°48 | 20°18 | 13°50 | 10°49 | 4°32 | 25°17 | 2°34 | 9°11 | 10° 5 | 13°50 | 25°15 | S 9 |
| M10 | 13 31 47 | 24°40'37 | 3♑20 | 27°51 | 22° 0 | 21° 4 | 13°47 | 10°56 | 4°34 | 25°17 | 2°32 | 9°12 | 10° 2 | 13°56 | 25°19 | M10 |
| T 11 | 13 35 43 | 25°38'47 | 15°38 | 28°56 | 23°12 | 21°50 | 13°45 | 11° 4 | 4°37 | 25°16 | 2°31 | 9°13 | 9°59 | 14° 3 | 25°23 | T 11 |
| W12 | 13 39 40 | 26°36'56 | 28°13 | 0♈ 3 | 24°24 | 22°36 | 13°42 | 11°11 | 4°39 | 25°15 | 2°29 | 9°R13 | 9°56 | 14°10 | 25°27 | W12 |
| T 13 | 13 43 37 | 27°35'03 | 11♒10 | 1°14 | 25°36 | 23°22 | 13°39 | 11°19 | 4°41 | 25°15 | 2°27 | 9°13 | 9°52 | 14°16 | 25°30 | T 13 |
| F 14 | 13 47 33 | 28°33'09 | 24°33 | 2°26 | 26°48 | 24° 8 | 13°35 | 11°27 | 4°44 | 25°14 | 2°26 | 9°12 | 9°49 | 14°23 | 25°34 | F 14 |
| S 15 | 13 51 30 | 29°31'13 | 8♓22 | 3°42 | 28° 0 | 24°54 | 13°32 | 11°34 | 4°46 | 25°13 | 2°24 | 9°11 | 9°46 | 14°30 | 25°38 | S 15 |
| S 16 | 13 55 26 | 0♉29'16 | 22°38 | 4°59 | 29°12 | 25°40 | 13°28 | 11°42 | 4°48 | 25°13 | 2°22 | 9°10 | 9°43 | 14°36 | 25°42 | S 16 |
| M17 | 13 59 23 | 1°27'18 | 7♈18 | 6°19 | 0♈24 | 26°26 | 13°24 | 11°50 | 4°51 | 25°12 | 2°21 | 9° 9 | 9°40 | 14°43 | 25°45 | M17 |
| T 18 | 14 3 19 | 2°25'17 | 22°16 | 7°41 | 1°36 | 27°12 | 13°20 | 11°58 | 4°53 | 25°11 | 2°19 | 9° 8 | 9°37 | 14°50 | 25°49 | T 18 |
| W19 | 14 7 16 | 3°23'16 | 7♉24 | 9° 5 | 2°49 | 27°58 | 13°16 | 12° 5 | 4°55 | 25°10 | 2°17 | 9°D 8 | 9°33 | 14°56 | 25°53 | W19 |
| T 20 | 14 11 12 | 4°21'12 | 22°33 | 10°32 | 4° 1 | 28°43 | 13°12 | 12°13 | 4°57 | 25° 9 | 2°16 | 9° 8 | 9°30 | 15° 3 | 25°57 | T 20 |
| F 21 | 14 15 9 | 5°19'08 | 7♊35 | 12° 1 | 5°13 | 29°29 | 13° 7 | 12°21 | 4°59 | 25° 8 | 2°14 | 9° 9 | 9°27 | 15° 9 | 26° 0 | F 21 |
| S 22 | 14 19 5 | 6°17'01 | 22°20 | 13°32 | 6°25 | 0♈15 | 13° 3 | 12°29 | 5° 1 | 25° 8 | 2°12 | 9° 9 | 9°24 | 15°16 | 26° 4 | S 22 |
| S 23 | 14 23 2 | 7°14'53 | 6♋44 | 15° 5 | 7°37 | 1° 0 | 12°58 | 12°36 | 5° 3 | 25° 7 | 2°10 | 9° 9 | 9°21 | 15°23 | 26° 8 | S 23 |
| M24 | 14 26 59 | 8°12'43 | 20°43 | 16°40 | 8°49 | 1°46 | 12°53 | 12°44 | 5° 5 | 25° 6 | 2° 9 | 9° 9 | 9°17 | 15°29 | 26°12 | M24 |
| T 25 | 14 30 55 | 9°10'31 | 4♌18 | 18°17 | 10° 2 | 2°31 | 12°48 | 12°52 | 5° 7 | 25° 5 | 2° 7 | 9° 9 | 9°14 | 15°36 | 26°15 | T 25 |
| W26 | 14 34 52 | 10° 8'17 | 17°28 | 19°56 | 11°14 | 3°17 | 12°43 | 13° 0 | 5° 9 | 25° 4 | 2° 5 | 9° 9 | 9°11 | 15°43 | 26°19 | W26 |
| T 27 | 14 38 48 | 11° 6'01 | 0♍17 | 21°37 | 12°26 | 4° 2 | 12°37 | 13° 8 | 5°11 | 25° 3 | 2° 4 | 9° 9 | 9° 8 | 15°49 | 26°23 | T 27 |
| F 28 | 14 42 45 | 12° 3'44 | 12°47 | 23°21 | 13°38 | 4°48 | 12°32 | 13°15 | 5°13 | 25° 2 | 2° 2 | 9°10 | 9° 5 | 15°56 | 26°26 | F 28 |
| S 29 | 14 46 41 | 13° 1'25 | 25° 3 | 25° 7 | 14°51 | 5°33 | 12°26 | 13°23 | 5°15 | 25° 1 | 2° 1 | 9°10 | 9° 2 | 16° 3 | 26°30 | S 29 |
| S 30 | 14 50 38 | 13♉59'05 | 7♎ 8 | 26♈54 | 16♈ 3 | 6♈18 | 12♐20 | 13♉31 | 5♓16 | 24♐59 | 1♏59 | 9♉10 | 8♉58 | 16♏ 9 | 26♈34 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 6n18 | 9n33 | 4n13 | 5s21 | 1s41 | 8s35 | 1s17 | 7s22 | 1s11 | 21s58 | 0n40 | 12n54 | 2s 2 | 10s43 | 0s44 | 22s21 | 1n 8 | 2n41 | 16n 8 | 14n40 | 15n 3 | 16s 1 | 10n26 | 0n51 |
| S 2 | 6 41 | 3 59 | 3 28 | 5 16 | 1 51 | 8 9 | 1 19 | 7 4 | 1 11 | 21 57 | 0 40 | 12 57 | 2 2 | 10 42 | 0 44 | 22 21 | 1 8 | 2 41 | 16 8 | 14 39 | 15 2 | 16 4 | 10 27 | 0 51 |
| M 3 | 7 3 | 1s40 | 2 33 | 5 9 | 2 0 | 7 43 | 1 21 | 6 46 | 1 11 | 21 57 | 0 40 | 12 59 | 2 2 | 10 41 | 0 44 | 22 21 | 1 8 | 2 42 | 16 8 | 14 38 | 15 1 | 16 7 | 10 28 | 0 51 |
| T 4 | 7 25 | 7 12 | 1 33 | 4 59 | 2 8 | 7 17 | 1 23 | 6 28 | 1 11 | 21 57 | 0 40 | 13 2 | 2 2 | 10 40 | 0 44 | 22 21 | 1 9 | 2 43 | 16 9 | 14 37 | 15 0 | 16 10 | 10 30 | 0 51 |
| W 5 | 7 48 | 12 27 | 0 29 | 4 48 | 2 15 | 6 51 | 1 24 | 6 10 | 1 11 | 21 57 | 0 40 | 13 4 | 2 2 | 10 39 | 0 44 | 22 21 | 1 9 | 2 43 | 16 9 | 14 37 | 14 59 | 16 12 | 10 31 | 0 51 |
| T 6 | 8 10 | 17 14 | 0s37 | 4 34 | 2 22 | 6 24 | 1 26 | 5 52 | 1 11 | 21 57 | 0 40 | 13 6 | 2 2 | 10 38 | 0 44 | 22 21 | 1 9 | 2 44 | 16 9 | 14 37 | 14 58 | 16 15 | 10 32 | 0 50 |
| F 7 | 8 32 | 21 21 | 1 40 | 4 19 | 2 28 | 5 57 | 1 28 | 5 33 | 1 11 | 21 56 | 0 40 | 13 9 | 2 1 | 10 37 | 0 44 | 22 21 | 1 9 | 2 44 | 16 9 | 14 37 | 14 57 | 16 18 | 10 33 | 0 50 |
| S 8 | 8 53 | 24 36 | 2 40 | 4 1 | 2 34 | 5 30 | 1 29 | 5 15 | 1 11 | 21 56 | 0 40 | 13 11 | 2 1 | 10 36 | 0 44 | 22 21 | 1 9 | 2 45 | 16 9 | 14 38 | 14 56 | 16 21 | 10 35 | 0 50 |
| S 9 | 9 15 | 26 49 | 3 33 | 3 42 | 2 39 | 5 3 | 1 31 | 4 57 | 1 11 | 21 56 | 0 40 | 13 14 | 2 1 | 10 36 | 0 44 | 22 21 | 1 9 | 2 46 | 16 9 | 14 38 | 14 55 | 16 24 | 10 36 | 0 50 |
| M10 | 9 37 | 27 49 | 4 17 | 3 21 | 2 43 | 4 36 | 1 32 | 4 38 | 1 11 | 21 56 | 0 39 | 13 16 | 2 1 | 10 35 | 0 44 | 22 21 | 1 9 | 2 46 | 16 9 | 14 38 | 14 54 | 16 27 | 10 37 | 0 50 |
| T 11 | 9 58 | 27 28 | 4 51 | 2 58 | 2 46 | 4 8 | 1 33 | 4 20 | 1 10 | 21 55 | 0 39 | 13 19 | 2 1 | 10 34 | 0 44 | 22 20 | 1 9 | 2 47 | 16 9 | 14 39 | 14 53 | 16 30 | 10 39 | 0 50 |
| W12 | 10 19 | 25 43 | 5 11 | 2 33 | 2 49 | 3 41 | 1 34 | 4 2 | 1 10 | 21 55 | 0 39 | 13 21 | 2 1 | 10 33 | 0 45 | 22 20 | 1 9 | 2 47 | 16 9 | 14 39 | 14 52 | 16 32 | 10 40 | 0 50 |
| T 13 | 10 40 | 22 35 | 5 17 | 2 7 | 2 51 | 3 13 | 1 36 | 3 43 | 1 10 | 21 55 | 0 39 | 13 24 | 2 1 | 10 32 | 0 45 | 22 20 | 1 9 | 2 48 | 16 9 | 14 39 | 14 51 | 16 35 | 10 41 | 0 50 |
| F 14 | 11 1 | 18 13 | 5 6 | 1 40 | 2 53 | 2 45 | 1 37 | 3 25 | 1 10 | 21 54 | 0 39 | 13 26 | 2 1 | 10 31 | 0 45 | 22 20 | 1 9 | 2 48 | 16 9 | 14 38 | 14 50 | 16 38 | 10 43 | 0 50 |
| S 15 | 11 22 | 12 45 | 4 37 | 1 10 | 2 53 | 2 17 | 1 37 | 3 6 | 1 10 | 21 54 | 0 39 | 13 29 | 2 1 | 10 30 | 0 45 | 22 20 | 1 9 | 2 49 | 16 9 | 14 38 | 14 49 | 16 41 | 10 44 | 0 50 |
| S 16 | 11 42 | 6 28 | 3 51 | 0 40 | 2 54 | 1 49 | 1 38 | 2 48 | 1 10 | 21 53 | 0 39 | 13 31 | 2 1 | 10 30 | 0 45 | 22 20 | 1 9 | 2 49 | 16 9 | 14 38 | 14 48 | 16 44 | 10 45 | 0 50 |
| M17 | 12 3 | 0n21 | 2 48 | 0 8 | 2 53 | 1 21 | 1 39 | 2 29 | 1 10 | 21 53 | 0 39 | 13 33 | 2 1 | 10 29 | 0 45 | 22 20 | 1 9 | 2 50 | 16 9 | 14 37 | 14 47 | 16 46 | 10 47 | 0 50 |
| T 18 | 12 23 | 7 17 | 1 32 | 0n26 | 2 52 | 0 53 | 1 40 | 2 11 | 1 9 | 21 53 | 0 39 | 13 36 | 2 0 | 10 28 | 0 45 | 22 20 | 1 9 | 2 51 | 16 9 | 14 37 | 14 46 | 16 49 | 10 48 | 0 50 |
| W19 | 12 43 | 13 54 | 0 10 | 1 0 | 2 51 | 0 25 | 1 40 | 1 52 | 1 9 | 21 52 | 0 39 | 13 38 | 2 0 | 10 27 | 0 45 | 22 20 | 1 9 | 2 51 | 16 9 | 14 37 | 14 45 | 16 52 | 10 49 | 0 50 |
| T 20 | 13 2 | 19 42 | 1n14 | 1 36 | 2 49 | 0n 4 | 1 41 | 1 34 | 1 9 | 21 52 | 0 39 | 13 41 | 2 0 | 10 26 | 0 45 | 22 20 | 1 9 | 2 52 | 16 9 | 14 37 | 14 44 | 16 55 | 10 51 | 0 50 |
| F 21 | 13 22 | 24 11 | 2 32 | 2 14 | 2 46 | 0 32 | 1 41 | 1 16 | 1 9 | 21 51 | 0 39 | 13 43 | 2 0 | 10 26 | 0 45 | 22 20 | 1 9 | 2 52 | 16 9 | 14 37 | 14 43 | 16 58 | 10 52 | 0 50 |
| S 22 | 13 41 | 26 58 | 3 38 | 2 52 | 2 43 | 1 0 | 1 42 | 0 57 | 1 9 | 21 50 | 0 39 | 13 46 | 2 0 | 10 25 | 0 45 | 22 20 | 1 9 | 2 52 | 16 9 | 14 37 | 14 42 | 17 0 | 10 53 | 0 49 |
| S 23 | 14 0 | 27 52 | 4 28 | 3 32 | 2 39 | 1 29 | 1 42 | 0 39 | 1 8 | 21 50 | 0 39 | 13 48 | 2 0 | 10 24 | 0 45 | 22 20 | 1 9 | 2 53 | 16 9 | 14 37 | 14 41 | 17 3 | 10 55 | 0 49 |
| M24 | 14 19 | 26 56 | 5 2 | 4 12 | 2 34 | 1 57 | 1 42 | 0 20 | 1 8 | 21 49 | 0 39 | 13 50 | 2 0 | 10 24 | 0 45 | 22 20 | 1 9 | 2 53 | 16 8 | 14 37 | 14 40 | 17 6 | 10 56 | 0 49 |
| T 25 | 14 38 | 24 25 | 5 17 | 4 54 | 2 30 | 2 25 | 1 42 | 0 2 | 1 8 | 21 49 | 0 39 | 13 53 | 2 0 | 10 23 | 0 45 | 22 20 | 1 9 | 2 54 | 16 8 | 14 38 | 14 39 | 17 9 | 10 57 | 0 49 |
| W26 | 14 56 | 20 40 | 5 14 | 5 37 | 2 24 | 2 54 | 1 43 | 0n16 | 1 8 | 21 48 | 0 39 | 13 55 | 2 0 | 10 22 | 0 45 | 22 20 | 1 9 | 2 54 | 16 8 | 14 38 | 14 38 | 17 12 | 10 59 | 0 49 |
| T 27 | 15 14 | 16 3 | 4 57 | 6 20 | 2 18 | 3 22 | 1 43 | 0 35 | 1 8 | 21 47 | 0 39 | 13 58 | 2 0 | 10 22 | 0 45 | 22 20 | 1 9 | 2 55 | 16 8 | 14 38 | 14 37 | 17 14 | 11 0 | 0 49 |
| F 28 | 15 32 | 10 52 | 4 25 | 7 5 | 2 12 | 3 50 | 1 42 | 0 53 | 1 7 | 21 47 | 0 39 | 14 0 | 2 0 | 10 21 | 0 45 | 22 20 | 1 9 | 2 55 | 16 8 | 14 38 | 14 36 | 17 17 | 11 1 | 0 49 |
| S 29 | 15 50 | 5 22 | 3 41 | 7 50 | 2 5 | 4 19 | 1 42 | 1 11 | 1 7 | 21 46 | 0 39 | 14 2 | 2 0 | 10 20 | 0 45 | 22 20 | 1 9 | 2 55 | 16 8 | 14 38 | 14 35 | 17 20 | 11 2 | 0 49 |
| S 30 | 16n 7 | 0s16 | 2n49 | 8n36 | 1s57 | 4n47 | 1s42 | 1n30 | 1s 7 | 21s45 | 0n39 | 14n 5 | 2s 0 | 10s20 | 0s45 | 22s19 | 1n 9 | 2n56 | 16n 8 | 14n38 | 14n34 | 17s23 | 11n 4 | 0n49 |

Julian Day Number = 2086032.5, Delta T = 24m27s
Ecliptic obliquity = 23°34'16, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'31, Lahiri = 9°54'32 Julian Calendar 1 Apr. 999 == Greg. Calendar 6 Apr. 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## MAY 999 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| M 1 | 14 54 34 | 14♉56'43 | 19♎ 4 | 28♈44 | 17♈15 | 7♈ 3 | 12°R14 | 13♉39 | 5♓18 | 24°R58 | 1°R57 | 9♉11 | 8♉55 | 16♏16 | 26♈37 | M 1 |
| T 2 | 14 58 31 | 15°54'19 | 0♏55 | 0♉36 | 18°28 | 7°49 | 12♐ 8 | 13°47 | 5°20 | 24♐57 | 1♏56 | 9°11 | 8°52 | 16°23 | 26°41 | T 2 |
| W 3 | 15 2 28 | 16°51'54 | 12°44 | 2°30 | 19°40 | 8°34 | 12° 2 | 13°55 | 5°21 | 24°56 | 1°54 | 9°R11 | 8°49 | 16°29 | 26°45 | W 3 |
| T 4 | 15 6 24 | 17°49'28 | 24°31 | 4°26 | 20°52 | 9°19 | 11°56 | 14° 2 | 5°23 | 24°55 | 1°52 | 9°11 | 8°46 | 16°36 | 26°48 | T 4 |
| F 5 | 15 10 21 | 18°47'01 | 6♐21 | 6°24 | 22° 5 | 10° 4 | 11°50 | 14°10 | 5°24 | 24°54 | 1°51 | 9°10 | 8°43 | 16°42 | 26°52 | F 5 |
| S 6 | 15 14 17 | 19°44'33 | 18°15 | 8°23 | 23°17 | 10°49 | 11°43 | 14°18 | 5°26 | 24°52 | 1°49 | 9° 9 | 8°39 | 16°49 | 26°55 | S 6 |
| S 7 | 15 18 14 | 20°42'04 | 0♑15 | 10°25 | 24°30 | 11°34 | 11°36 | 14°26 | 5°27 | 24°51 | 1°48 | 9° 7 | 8°36 | 16°56 | 26°59 | S 7 |
| M 8 | 15 22 10 | 21°39'34 | 12°25 | 12°29 | 25°42 | 12°19 | 11°30 | 14°33 | 5°29 | 24°50 | 1°46 | 9° 6 | 8°33 | 17° 2 | 27° 2 | M 8 |
| T 9 | 15 26 7 | 22°37'03 | 24°47 | 14°34 | 26°54 | 13° 3 | 11°23 | 14°41 | 5°30 | 24°49 | 1°45 | 9° 4 | 8°30 | 17° 9 | 27° 6 | T 9 |
| W10 | 15 30 4 | 23°34'31 | 7♒24 | 16°41 | 28° 7 | 13°48 | 11°16 | 14°49 | 5°31 | 24°47 | 1°43 | 9° 3 | 8°27 | 17°16 | 27° 9 | W10 |
| T 11 | 15 34 0 | 24°31'58 | 20°19 | 18°49 | 29°19 | 14°33 | 11° 9 | 14°57 | 5°33 | 24°46 | 1°41 | 9°D 2 | 8°23 | 17°22 | 27°13 | T 11 |
| F 12 | 15 37 57 | 25°29'24 | 3♓36 | 20°59 | 0♉32 | 15°18 | 11° 2 | 15° 4 | 5°34 | 24°45 | 1°40 | 9° 2 | 8°20 | 17°29 | 27°16 | F 12 |
| S 13 | 15 41 53 | 26°26'50 | 17°16 | 23° 9 | 1°44 | 16° 2 | 10°55 | 15°12 | 5°35 | 24°43 | 1°38 | 9° 3 | 8°17 | 17°36 | 27°20 | S 13 |
| S 14 | 15 45 50 | 27°24'14 | 1♈21 | 25°20 | 2°57 | 16°47 | 10°48 | 15°20 | 5°36 | 24°42 | 1°37 | 9° 4 | 8°14 | 17°42 | 27°23 | S 14 |
| M15 | 15 49 46 | 28°21'39 | 15°50 | 27°32 | 4°10 | 17°31 | 10°41 | 15°28 | 5°37 | 24°41 | 1°36 | 9° 6 | 8°11 | 17°49 | 27°27 | M15 |
| T 16 | 15 53 43 | 29°19'02 | 0♉39 | 29°44 | 5°22 | 18°16 | 10°33 | 15°35 | 5°38 | 24°39 | 1°34 | 9° 6 | 8° 8 | 17°56 | 27°30 | T 16 |
| W17 | 15 57 39 | 0♊16'25 | 15°42 | 1♊56 | 6°35 | 19° 0 | 10°26 | 15°43 | 5°39 | 24°38 | 1°33 | 9°R 6 | 8° 4 | 18° 2 | 27°33 | W17 |
| T 18 | 16 1 36 | 1°13'47 | 0♊52 | 4° 8 | 7°47 | 19°44 | 10°18 | 15°51 | 5°40 | 24°36 | 1°31 | 9° 5 | 8° 1 | 18° 9 | 27°37 | T 18 |
| F 19 | 16 5 33 | 2°11'08 | 15°59 | 6°19 | 9° 0 | 20°29 | 10°11 | 15°58 | 5°41 | 24°35 | 1°30 | 9° 3 | 7°58 | 18°16 | 27°40 | F 19 |
| S 20 | 16 9 29 | 3° 8'29 | 0♋54 | 8°29 | 10°13 | 21°13 | 10° 3 | 16° 6 | 5°42 | 24°33 | 1°28 | 9° 0 | 7°55 | 18°22 | 27°43 | S 20 |
| S 21 | 16 13 26 | 4° 5'49 | 15°29 | 10°38 | 11°25 | 21°57 | 9°56 | 16°13 | 5°42 | 24°32 | 1°27 | 8°57 | 7°52 | 18°29 | 27°46 | S 21 |
| M22 | 16 17 22 | 5° 3'07 | 29°39 | 12°46 | 12°38 | 22°41 | 9°48 | 16°21 | 5°43 | 24°30 | 1°26 | 8°54 | 7°49 | 18°36 | 27°50 | M22 |
| T 23 | 16 21 19 | 6° 0'25 | 13♌21 | 14°52 | 13°51 | 23°25 | 9°41 | 16°28 | 5°44 | 24°29 | 1°24 | 8°51 | 7°45 | 18°42 | 27°53 | T 23 |
| W24 | 16 25 15 | 6°57'41 | 26°36 | 16°57 | 15° 4 | 24° 9 | 9°33 | 16°36 | 5°45 | 24°27 | 1°23 | 8°50 | 7°42 | 18°49 | 27°56 | W24 |
| T 25 | 16 29 12 | 7°54'57 | 9♍26 | 19° 0 | 16°16 | 24°53 | 9°25 | 16°43 | 5°45 | 24°26 | 1°22 | 8°D49 | 7°39 | 18°55 | 27°59 | T 25 |
| F 26 | 16 33 8 | 8°52'12 | 21°54 | 21° 1 | 17°29 | 25°37 | 9°18 | 16°51 | 5°46 | 24°24 | 1°21 | 8°50 | 7°36 | 19° 2 | 28° 2 | F 26 |
| S 27 | 16 37 5 | 9°49'25 | 4♎ 5 | 23° 0 | 18°42 | 26°21 | 9°10 | 16°58 | 5°46 | 24°23 | 1°19 | 8°51 | 7°33 | 19° 9 | 28° 5 | S 27 |
| S 28 | 16 41 2 | 10°46'38 | 16° 4 | 24°57 | 19°55 | 27° 4 | 9° 2 | 17° 6 | 5°47 | 24°21 | 1°18 | 8°53 | 7°29 | 19°15 | 28° 8 | S 28 |
| M29 | 16 44 58 | 11°43'51 | 27°56 | 26°52 | 21° 7 | 27°48 | 8°55 | 17°13 | 5°47 | 24°20 | 1°17 | 8°54 | 7°26 | 19°22 | 28°11 | M29 |
| T 30 | 16 48 55 | 12°41'03 | 9♏43 | 28°45 | 22°20 | 28°31 | 8°47 | 17°20 | 5°47 | 24°18 | 1°16 | 8°R55 | 7°23 | 19°29 | 28°14 | T 30 |
| W31 | 16 52 51 | 13♊38'14 | 21♏30 | 0♋35 | 23♉33 | 29♈15 | 8♐39 | 17♉28 | 5♓48 | 24♐16 | 1♏15 | 8♉54 | 7♉20 | 19♏35 | 28♈17 | W31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| M 1 | 16n25 | 5s49 | 1n49 | 9n23 | 1s49 | 5n15 | 1s42 | 1n48 | 1s 7 | 21s45 | 0n39 | 14n 7 | 2s 0 | 10s19 | 0s45 | 22s19 | 1n 9 | 2n56 | 16n 7 | 14n38 | 14n33 | 17s26 | 11n 5 | 0n49 |
| T 2 | 16 41 | 11 9 | 0 46 | 10 10 | 1 41 | 5 43 | 1 41 | 2 6 | 1 6 | 21 44 | 0 39 | 14 10 | 2 0 | 10 18 | 0 45 | 22 19 | 1 9 | 2 57 | 16 7 | 14 38 | 14 32 | 17 28 | 11 6 | 0 49 |
| W 3 | 16 58 | 16 3 | 0s20 | 10 58 | 1 32 | 6 11 | 1 41 | 2 24 | 1 6 | 21 43 | 0 39 | 14 12 | 2 0 | 10 18 | 0 45 | 22 19 | 1 9 | 2 57 | 16 7 | 14 38 | 14 31 | 17 31 | 11 7 | 0 49 |
| T 4 | 17 14 | 20 22 | 1 24 | 11 46 | 1 23 | 6 38 | 1 40 | 2 42 | 1 6 | 21 42 | 0 38 | 14 14 | 2 0 | 10 17 | 0 45 | 22 19 | 1 9 | 2 57 | 16 7 | 14 38 | 14 30 | 17 34 | 11 9 | 0 49 |
| F 5 | 17 30 | 23 52 | 2 25 | 12 34 | 1 13 | 7 6 | 1 40 | 3 0 | 1 5 | 21 42 | 0 38 | 14 17 | 2 0 | 10 17 | 0 45 | 22 19 | 1 9 | 2 58 | 16 7 | 14 38 | 14 29 | 17 37 | 11 10 | 0 49 |
| S 6 | 17 46 | 26 22 | 3 20 | 13 23 | 1 3 | 7 34 | 1 39 | 3 18 | 1 5 | 21 41 | 0 38 | 14 19 | 1 59 | 10 16 | 0 45 | 22 19 | 1 9 | 2 58 | 16 6 | 14 37 | 14 28 | 17 39 | 11 11 | 0 49 |
| S 7 | 18 2 | 27 41 | 4 7 | 14 11 | 0 53 | 8 1 | 1 38 | 3 36 | 1 5 | 21 40 | 0 38 | 14 21 | 1 59 | 10 16 | 0 45 | 22 19 | 1 9 | 2 58 | 16 6 | 14 37 | 14 27 | 17 42 | 11 12 | 0 49 |
| M 8 | 18 17 | 27 41 | 4 43 | 14 59 | 0 43 | 8 28 | 1 38 | 3 54 | 1 4 | 21 39 | 0 38 | 14 24 | 1 59 | 10 15 | 0 45 | 22 19 | 1 9 | 2 59 | 16 6 | 14 36 | 14 26 | 17 45 | 11 14 | 0 49 |
| T 9 | 18 32 | 26 19 | 5 7 | 15 47 | 0 32 | 8 55 | 1 37 | 4 12 | 1 4 | 21 38 | 0 38 | 14 26 | 1 59 | 10 15 | 0 45 | 22 19 | 1 9 | 2 59 | 16 6 | 14 36 | 14 25 | 17 48 | 11 15 | 0 49 |
| W10 | 18 46 | 23 37 | 5 16 | 16 34 | 0 22 | 9 22 | 1 36 | 4 30 | 1 4 | 21 38 | 0 38 | 14 28 | 1 59 | 10 14 | 0 45 | 22 19 | 1 9 | 2 59 | 16 6 | 14 35 | 14 24 | 17 50 | 11 16 | 0 48 |
| T 11 | 19 0 | 19 41 | 5 10 | 17 20 | 0 11 | 9 49 | 1 35 | 4 47 | 1 3 | 21 37 | 0 38 | 14 30 | 1 59 | 10 14 | 0 46 | 22 19 | 1 9 | 2 59 | 16 5 | 14 35 | 14 23 | 17 53 | 11 17 | 0 48 |
| F 12 | 19 14 | 14 42 | 4 48 | 18 5 | 0 0 | 10 15 | 1 34 | 5 5 | 1 3 | 21 36 | 0 38 | 14 33 | 1 59 | 10 14 | 0 46 | 22 19 | 1 9 | 3 0 | 16 5 | 14 35 | 14 22 | 17 56 | 11 19 | 0 48 |
| S 13 | 19 28 | 8 52 | 4 9 | 18 50 | 0n10 | 10 42 | 1 33 | 5 23 | 1 3 | 21 35 | 0 38 | 14 35 | 1 59 | 10 13 | 0 46 | 22 19 | 1 9 | 3 0 | 16 5 | 14 36 | 14 21 | 17 58 | 11 20 | 0 48 |
| S 14 | 19 41 | 2 25 | 3 14 | 19 32 | 0 21 | 11 8 | 1 32 | 5 40 | 1 2 | 21 34 | 0 38 | 14 37 | 1 59 | 10 13 | 0 46 | 22 19 | 1 9 | 3 0 | 16 4 | 14 36 | 14 20 | 18 1 | 11 21 | 0 48 |
| M15 | 19 54 | 4n20 | 2 5 | 20 13 | 0 31 | 11 34 | 1 30 | 5 58 | 1 2 | 21 33 | 0 38 | 14 39 | 1 59 | 10 13 | 0 46 | 22 19 | 1 9 | 3 0 | 16 4 | 14 36 | 14 19 | 18 4 | 11 22 | 0 48 |
| T 16 | 20 7 | 11 2 | 0 47 | 20 52 | 0 41 | 11 59 | 1 29 | 6 15 | 1 2 | 21 32 | 0 37 | 14 42 | 1 59 | 10 12 | 0 46 | 22 18 | 1 9 | 3 0 | 16 4 | 14 37 | 14 18 | 18 7 | 11 23 | 0 48 |
| W17 | 20 19 | 17 13 | 0n36 | 21 29 | 0 50 | 12 25 | 1 28 | 6 32 | 1 1 | 21 31 | 0 37 | 14 44 | 1 59 | 10 12 | 0 46 | 22 18 | 1 9 | 3 1 | 16 4 | 14 37 | 14 17 | 18 9 | 11 24 | 0 48 |
| T 18 | 20 31 | 22 21 | 1 57 | 22 4 | 1 0 | 12 50 | 1 26 | 6 49 | 1 1 | 21 30 | 0 37 | 14 46 | 1 59 | 10 12 | 0 46 | 22 18 | 1 9 | 3 1 | 16 3 | 14 36 | 14 16 | 18 12 | 11 26 | 0 48 |
| F 19 | 20 43 | 25 58 | 3 9 | 22 36 | 1 8 | 13 14 | 1 25 | 7 7 | 1 0 | 21 29 | 0 37 | 14 48 | 1 59 | 10 11 | 0 46 | 22 18 | 1 9 | 3 1 | 16 3 | 14 36 | 14 15 | 18 15 | 11 27 | 0 48 |
| S 20 | 20 54 | 27 42 | 4 8 | 23 6 | 1 16 | 13 39 | 1 23 | 7 24 | 1 0 | 21 28 | 0 37 | 14 50 | 1 59 | 10 11 | 0 46 | 22 18 | 1 9 | 3 1 | 16 3 | 14 35 | 14 13 | 18 17 | 11 28 | 0 48 |
| S 21 | 21 5 | 27 26 | 4 48 | 23 33 | 1 24 | 14 3 | 1 22 | 7 41 | 1 0 | 21 27 | 0 37 | 14 53 | 1 59 | 10 11 | 0 46 | 22 18 | 1 9 | 3 1 | 16 2 | 14 34 | 14 12 | 18 20 | 11 29 | 0 48 |
| M22 | 21 15 | 25 23 | 5 10 | 23 57 | 1 31 | 14 27 | 1 20 | 7 57 | 0 59 | 21 26 | 0 37 | 14 55 | 1 59 | 10 11 | 0 46 | 22 18 | 1 9 | 3 1 | 16 2 | 14 33 | 14 11 | 18 23 | 11 30 | 0 48 |
| T 23 | 21 26 | 21 54 | 5 13 | 24 19 | 1 37 | 14 50 | 1 18 | 8 14 | 0 59 | 21 25 | 0 37 | 14 57 | 1 59 | 10 10 | 0 46 | 22 18 | 1 9 | 3 1 | 16 2 | 14 32 | 14 10 | 18 25 | 11 31 | 0 48 |
| W24 | 21 36 | 17 24 | 4 59 | 24 38 | 1 43 | 15 13 | 1 17 | 8 31 | 0 58 | 21 24 | 0 37 | 14 59 | 1 59 | 10 10 | 0 46 | 22 18 | 1 9 | 3 1 | 16 1 | 14 31 | 14 9 | 18 28 | 11 32 | 0 48 |
| T 25 | 21 45 | 12 15 | 4 31 | 24 54 | 1 48 | 15 36 | 1 15 | 8 47 | 0 58 | 21 23 | 0 36 | 15 1 | 1 59 | 10 10 | 0 46 | 22 18 | 1 9 | 3 2 | 16 1 | 14 31 | 14 8 | 18 31 | 11 33 | 0 48 |
| F 26 | 21 54 | 6 45 | 3 50 | 25 7 | 1 52 | 15 59 | 1 13 | 9 4 | 0 57 | 21 22 | 0 36 | 15 3 | 2 0 | 10 10 | 0 46 | 22 18 | 1 9 | 3 2 | 16 0 | 14 31 | 14 7 | 18 34 | 11 35 | 0 48 |
| S 27 | 22 3 | 1 7 | 2 59 | 25 18 | 1 55 | 16 21 | 1 11 | 9 20 | 0 57 | 21 21 | 0 36 | 15 5 | 2 0 | 10 10 | 0 46 | 22 18 | 1 9 | 3 2 | 16 0 | 14 32 | 14 6 | 18 36 | 11 36 | 0 48 |
| S 28 | 22 11 | 4s29 | 2 2 | 25 26 | 1 58 | 16 42 | 1 9 | 9 37 | 0 56 | 21 20 | 0 36 | 15 7 | 2 0 | 10 10 | 0 46 | 22 18 | 1 9 | 3 2 | 16 0 | 14 32 | 14 5 | 18 39 | 11 37 | 0 48 |
| M29 | 22 19 | 9 52 | 1 0 | 25 32 | 2 0 | 17 3 | 1 7 | 9 53 | 0 56 | 21 19 | 0 36 | 15 9 | 2 0 | 10 9 | 0 46 | 22 18 | 1 9 | 3 2 | 15 59 | 14 33 | 14 4 | 18 41 | 11 38 | 0 48 |
| T 30 | 22 27 | 14 52 | 0s 4 | 25 35 | 2 1 | 17 24 | 1 5 | 10 9 | 0 55 | 21 18 | 0 36 | 15 11 | 2 0 | 10 9 | 0 46 | 22 18 | 1 9 | 3 2 | 15 59 | 14 33 | 14 3 | 18 44 | 11 39 | 0 48 |
| W31 | 22n34 | 19s20 | 1s 8 | 25n36 | 2n 2 | 17n45 | 1s 3 | 10n25 | 0s55 | 21s17 | 0n36 | 15n13 | 2s 0 | 10s 9 | 0s46 | 22s17 | 1n 9 | 3n 2 | 15n58 | 14n33 | 14n 2 | 18s47 | 11n40 | 0n48 |

Julian Day Number = 2086062.5, Delta T = 24m26s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'36, Lahiri = 9°54'36 Julian Calendar 1 May 999 == Greg. Calendar 6 May 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## JUNE 999 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 16 56 48 | 14♊35'24 | 3♐21 | 2♋23 | 24♉46 | 29♈58 | 8°R32 | 17♉35 | 5♓48 | 24°R15 | 1°R14 | 8°R52 | 7♉17 | 19♏42 | 28♈20 | T 1 |
| F 2 | 17 0 44 | 15°32'35 | 15°16 | 4° 9 | 25°59 | 0♉42 | 8♐24 | 17°42 | 5°48 | 24♐13 | 1♏13 | 8♉48 | 7°14 | 19°49 | 28°23 | F 2 |
| S 3 | 17 4 41 | 16°29'44 | 27°18 | 5°52 | 27°12 | 1°25 | 8°17 | 17°49 | 5°48 | 24°12 | 1°12 | 8°42 | 7°10 | 19°55 | 28°25 | S 3 |
| S 4 | 17 8 37 | 17°26'54 | 9♑30 | 7°33 | 28°25 | 2° 8 | 8° 9 | 17°57 | 5°48 | 24°10 | 1°11 | 8°35 | 7° 7 | 20° 2 | 28°28 | S 4 |
| M 5 | 17 12 34 | 18°24'04 | 21°51 | 9°12 | 29°37 | 2°52 | 8° 2 | 18° 4 | 5°48 | 24° 8 | 1°10 | 8°28 | 7° 4 | 20° 9 | 28°31 | M 5 |
| T 6 | 17 16 31 | 19°21'13 | 4♒24 | 10°49 | 0♊50 | 3°35 | 7°54 | 18°11 | 5°R48 | 24° 7 | 1° 9 | 8°22 | 7° 1 | 20°15 | 28°34 | T 6 |
| W 7 | 17 20 27 | 20°18'22 | 17°10 | 12°23 | 2° 3 | 4°18 | 7°47 | 18°18 | 5°48 | 24° 5 | 1° 8 | 8°17 | 6°58 | 20°22 | 28°36 | W 7 |
| T 8 | 17 24 24 | 21°15'31 | 0♓10 | 13°55 | 3°16 | 5° 1 | 7°40 | 18°25 | 5°48 | 24° 4 | 1° 7 | 8°13 | 6°55 | 20°29 | 28°39 | T 8 |
| F 9 | 17 28 20 | 22°12'41 | 13°27 | 15°24 | 4°29 | 5°44 | 7°33 | 18°32 | 5°48 | 24° 2 | 1° 6 | 8°11 | 6°51 | 20°35 | 28°42 | F 9 |
| S 10 | 17 32 17 | 23° 9'50 | 27° 2 | 16°51 | 5°42 | 6°27 | 7°25 | 18°39 | 5°48 | 24° 0 | 1° 5 | 8°D10 | 6°48 | 20°42 | 28°44 | S 10 |
| S 11 | 17 36 13 | 24° 7'00 | 10♈57 | 18°16 | 6°56 | 7° 9 | 7°18 | 18°46 | 5°48 | 23°59 | 1° 4 | 8°11 | 6°45 | 20°48 | 28°47 | S 11 |
| M12 | 17 40 10 | 25° 4'10 | 25°10 | 19°38 | 8° 9 | 7°52 | 7°11 | 18°53 | 5°47 | 23°57 | 1° 3 | 8°12 | 6°42 | 20°55 | 28°49 | M12 |
| T 13 | 17 44 6 | 26° 1'20 | 9♉43 | 20°58 | 9°22 | 8°35 | 7° 4 | 18°59 | 5°47 | 23°56 | 1° 3 | 8°R13 | 6°39 | 21° 2 | 28°51 | T 13 |
| W14 | 17 48 3 | 26°58'31 | 24°30 | 22°15 | 10°35 | 9°17 | 6°58 | 19° 6 | 5°47 | 23°54 | 1° 2 | 8°12 | 6°35 | 21° 8 | 28°54 | W14 |
| T 15 | 17 52 0 | 27°55'41 | 9♊26 | 23°30 | 11°48 | 10° 0 | 6°51 | 19°13 | 5°46 | 23°52 | 1° 1 | 8° 9 | 6°32 | 21°15 | 28°56 | T 15 |
| F 16 | 17 55 56 | 28°52'52 | 24°23 | 24°42 | 13° 1 | 10°42 | 6°44 | 19°19 | 5°46 | 23°51 | 1° 0 | 8° 4 | 6°29 | 21°22 | 28°59 | F 16 |
| S 17 | 17 59 53 | 29°50'04 | 9♋13 | 25°51 | 14°14 | 11°25 | 6°38 | 19°26 | 5°45 | 23°49 | 1° 0 | 7°57 | 6°26 | 21°28 | 29° 1 | S 17 |
| S 18 | 18 3 49 | 0♋47'15 | 23°48 | 26°58 | 15°28 | 12° 7 | 6°31 | 19°33 | 5°45 | 23°47 | 0°59 | 7°48 | 6°23 | 21°35 | 29° 3 | S 18 |
| M19 | 18 7 46 | 1°44'26 | 8♌ 0 | 28° 2 | 16°41 | 12°49 | 6°25 | 19°39 | 5°44 | 23°46 | 0°58 | 7°40 | 6°20 | 21°42 | 29° 5 | M19 |
| T 20 | 18 11 42 | 2°41'37 | 21°46 | 29° 3 | 17°54 | 13°31 | 6°19 | 19°46 | 5°43 | 23°44 | 0°58 | 7°33 | 6°16 | 21°48 | 29° 7 | T 20 |
| W21 | 18 15 39 | 3°38'48 | 5♍ 5 | 0♌ 0 | 19° 7 | 14°13 | 6°13 | 19°52 | 5°43 | 23°43 | 0°57 | 7°28 | 6°13 | 21°55 | 29° 9 | W21 |
| T 22 | 18 19 36 | 4°36'00 | 17°57 | 0°55 | 20°21 | 14°55 | 6° 7 | 19°58 | 5°42 | 23°41 | 0°57 | 7°24 | 6°10 | 22° 2 | 29°11 | T 22 |
| F 23 | 18 23 32 | 5°33'11 | 0♎27 | 1°46 | 21°34 | 15°37 | 6° 1 | 20° 5 | 5°41 | 23°40 | 0°56 | 7°D23 | 6° 7 | 22° 8 | 29°13 | F 23 |
| S 24 | 18 27 29 | 6°30'22 | 12°38 | 2°34 | 22°47 | 16°19 | 5°55 | 20°11 | 5°40 | 23°38 | 0°56 | 7°23 | 6° 4 | 22°15 | 29°15 | S 24 |
| S 25 | 18 31 25 | 7°27'33 | 24°36 | 3°19 | 24° 1 | 17° 1 | 5°50 | 20°17 | 5°39 | 23°36 | 0°56 | 7°24 | 6° 1 | 22°22 | 29°17 | S 25 |
| M26 | 18 35 22 | 8°24'45 | 6♏26 | 3°59 | 25°14 | 17°42 | 5°44 | 20°23 | 5°38 | 23°35 | 0°55 | 7°R24 | 5°57 | 22°28 | 29°19 | M26 |
| T 27 | 18 39 18 | 9°21'56 | 18°14 | 4°36 | 26°28 | 18°24 | 5°39 | 20°29 | 5°37 | 23°33 | 0°55 | 7°23 | 5°54 | 22°35 | 29°21 | T 27 |
| W28 | 18 43 15 | 10°19'08 | 0♐ 3 | 5° 9 | 27°41 | 19° 5 | 5°34 | 20°35 | 5°36 | 23°32 | 0°55 | 7°21 | 5°51 | 22°42 | 29°23 | W28 |
| T 29 | 18 47 11 | 11°16'21 | 11°57 | 5°38 | 28°55 | 19°47 | 5°29 | 20°41 | 5°35 | 23°30 | 0°54 | 7°16 | 5°48 | 22°48 | 29°24 | T 29 |
| F 30 | 18 51 8 | 12♋13'33 | 24♐ 0 | 6♌ 2 | 0♋ 8 | 20♉28 | 5♐24 | 20♉47 | 5♓34 | 23♐29 | 0♏54 | 7♉ 9 | 5♉45 | 22♏55 | 29♈26 | F 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 22n40 | 23s 3 | 2s 9 | 25n34 | 2n 1 | 18n 5 | 1s 1 | 10n40 | 0s54 | 21s16 | 0n35 | 15n15 | 2s 0 | 10s 9 | 0s46 | 22s17 | 1n 9 | 3n 2 | 15n58 | 14n32 | 14n 1 | 18s49 | 11n41 | 0n48 |
| F 2 | 22 47 | 25 49 | 3 5 | 25 31 | 2 0 | 18 24 | 0 59 | 10 56 | 0 54 | 21 15 | 0 35 | 15 17 | 2 0 | 10 9 | 0 46 | 22 17 | 1 9 | 3 2 | 15 57 | 14 31 | 14 0 | 18 52 | 11 42 | 0 47 |
| S 3 | 22 53 | 27 26 | 3 53 | 25 25 | 1 59 | 18 43 | 0 57 | 11 12 | 0 53 | 21 14 | 0 35 | 15 19 | 2 0 | 10 9 | 0 46 | 22 17 | 1 9 | 3 1 | 15 57 | 14 29 | 13 59 | 18 55 | 11 43 | 0 47 |
| S 4 | 22 58 | 27 44 | 4 31 | 25 18 | 1 56 | 19 2 | 0 55 | 11 27 | 0 53 | 21 13 | 0 35 | 15 21 | 2 0 | 10 9 | 0 46 | 22 17 | 1 9 | 3 1 | 15 57 | 14 27 | 13 58 | 18 57 | 11 44 | 0 47 |
| M 5 | 23 4 | 26 40 | 4 57 | 25 8 | 1 54 | 19 20 | 0 52 | 11 43 | 0 52 | 21 12 | 0 35 | 15 23 | 2 0 | 10 9 | 0 46 | 22 17 | 1 9 | 3 1 | 15 56 | 14 24 | 13 57 | 19 0 | 11 45 | 0 47 |
| T 6 | 23 8 | 24 15 | 5 9 | 24 57 | 1 50 | 19 37 | 0 50 | 11 58 | 0 52 | 21 11 | 0 35 | 15 25 | 2 0 | 10 9 | 0 47 | 22 17 | 1 9 | 3 1 | 15 56 | 14 22 | 13 56 | 19 3 | 11 45 | 0 47 |
| W 7 | 23 13 | 20 38 | 5 6 | 24 45 | 1 46 | 19 54 | 0 48 | 12 13 | 0 51 | 21 10 | 0 35 | 15 27 | 2 0 | 10 9 | 0 47 | 22 17 | 1 9 | 3 1 | 15 55 | 14 21 | 13 55 | 19 5 | 11 46 | 0 47 |
| T 8 | 23 17 | 15 57 | 4 47 | 24 31 | 1 41 | 20 11 | 0 46 | 12 28 | 0 51 | 21 9 | 0 34 | 15 29 | 2 0 | 10 9 | 0 47 | 22 17 | 1 9 | 3 1 | 15 55 | 14 19 | 13 54 | 19 8 | 11 47 | 0 47 |
| F 9 | 23 20 | 10 26 | 4 13 | 24 15 | 1 35 | 20 27 | 0 43 | 12 43 | 0 50 | 21 8 | 0 34 | 15 31 | 2 0 | 10 9 | 0 47 | 22 17 | 1 9 | 3 1 | 15 54 | 14 19 | 13 53 | 19 11 | 11 48 | 0 47 |
| S 10 | 23 24 | 4 18 | 3 24 | 23 59 | 1 29 | 20 42 | 0 41 | 12 58 | 0 50 | 21 7 | 0 34 | 15 33 | 2 0 | 10 9 | 0 47 | 22 17 | 1 9 | 3 1 | 15 54 | 14 19 | 13 52 | 19 13 | 11 49 | 0 47 |
| S 11 | 23 26 | 2n11 | 2 22 | 23 41 | 1 23 | 20 57 | 0 39 | 13 12 | 0 49 | 21 6 | 0 34 | 15 34 | 2 0 | 10 10 | 0 47 | 22 17 | 1 9 | 3 0 | 15 53 | 14 19 | 13 51 | 19 16 | 11 50 | 0 47 |
| M12 | 23 29 | 8 43 | 1 10 | 23 22 | 1 16 | 21 11 | 0 36 | 13 27 | 0 49 | 21 5 | 0 34 | 15 36 | 2 0 | 10 10 | 0 47 | 22 17 | 1 9 | 3 0 | 15 53 | 14 19 | 13 50 | 19 18 | 11 51 | 0 47 |
| T 13 | 23 31 | 14 56 | 0n 8 | 23 3 | 1 8 | 21 25 | 0 34 | 13 41 | 0 48 | 21 4 | 0 34 | 15 38 | 2 0 | 10 10 | 0 47 | 22 17 | 1 9 | 3 0 | 15 52 | 14 19 | 13 48 | 19 21 | 11 52 | 0 47 |
| W14 | 23 32 | 20 24 | 1 27 | 22 42 | 1 0 | 21 38 | 0 31 | 13 55 | 0 47 | 21 3 | 0 33 | 15 40 | 2 1 | 10 10 | 0 47 | 22 17 | 1 9 | 3 0 | 15 52 | 14 19 | 13 47 | 19 24 | 11 52 | 0 47 |
| T 15 | 23 33 | 24 37 | 2 40 | 22 21 | 0 51 | 21 51 | 0 29 | 14 9 | 0 47 | 21 2 | 0 33 | 15 41 | 2 1 | 10 10 | 0 47 | 22 17 | 1 9 | 3 0 | 15 51 | 14 18 | 13 46 | 19 26 | 11 53 | 0 47 |
| F 16 | 23 34 | 27 9 | 3 42 | 21 59 | 0 42 | 22 3 | 0 27 | 14 23 | 0 46 | 21 1 | 0 33 | 15 43 | 2 1 | 10 11 | 0 47 | 22 16 | 1 9 | 2 59 | 15 51 | 14 16 | 13 45 | 19 29 | 11 54 | 0 47 |
| S 17 | 23 34 | 27 43 | 4 29 | 21 37 | 0 32 | 22 14 | 0 24 | 14 37 | 0 46 | 21 0 | 0 33 | 15 45 | 2 1 | 10 11 | 0 47 | 22 16 | 1 9 | 2 59 | 15 50 | 14 14 | 13 44 | 19 31 | 11 55 | 0 47 |
| S 18 | 23 34 | 26 20 | 4 57 | 21 14 | 0 22 | 22 25 | 0 22 | 14 51 | 0 45 | 20 59 | 0 33 | 15 47 | 2 1 | 10 11 | 0 47 | 22 16 | 1 9 | 2 59 | 15 50 | 14 11 | 13 43 | 19 34 | 11 56 | 0 47 |
| M19 | 23 34 | 23 17 | 5 6 | 20 51 | 0 11 | 22 35 | 0 19 | 15 4 | 0 44 | 20 58 | 0 32 | 15 48 | 2 1 | 10 11 | 0 47 | 22 16 | 1 9 | 2 58 | 15 49 | 14 9 | 13 42 | 19 36 | 11 56 | 0 47 |
| T 20 | 23 33 | 19 0 | 4 57 | 20 28 | 0 0 | 22 44 | 0 17 | 15 17 | 0 44 | 20 57 | 0 32 | 15 50 | 2 1 | 10 12 | 0 47 | 22 16 | 1 9 | 2 58 | 15 49 | 14 6 | 13 41 | 19 39 | 11 57 | 0 47 |
| W21 | 23 31 | 13 54 | 4 32 | 20 4 | 0s11 | 22 53 | 0 14 | 15 31 | 0 43 | 20 56 | 0 32 | 15 51 | 2 1 | 10 12 | 0 47 | 22 16 | 1 9 | 2 58 | 15 48 | 14 5 | 13 40 | 19 42 | 11 58 | 0 47 |
| T 22 | 23 29 | 8 22 | 3 53 | 19 41 | 0 23 | 23 1 | 0 12 | 15 44 | 0 42 | 20 55 | 0 32 | 15 53 | 2 1 | 10 12 | 0 47 | 22 16 | 1 9 | 2 57 | 15 48 | 14 3 | 13 39 | 19 44 | 11 58 | 0 47 |
| F 23 | 23 27 | 2 39 | 3 5 | 19 18 | 0 36 | 23 9 | 0 9 | 15 56 | 0 42 | 20 54 | 0 32 | 15 55 | 2 1 | 10 12 | 0 47 | 22 16 | 1 9 | 2 57 | 15 47 | 14 3 | 13 38 | 19 47 | 11 59 | 0 47 |
| S 24 | 23 25 | 3s 3 | 2 9 | 18 55 | 0 48 | 23 16 | 0 7 | 16 9 | 0 41 | 20 54 | 0 32 | 15 56 | 2 1 | 10 13 | 0 47 | 22 16 | 1 9 | 2 57 | 15 47 | 14 3 | 13 37 | 19 49 | 12 0 | 0 47 |
| S 25 | 23 22 | 8 32 | 1 8 | 18 32 | 1 1 | 23 22 | 0 4 | 16 22 | 0 40 | 20 53 | 0 31 | 15 58 | 2 1 | 10 13 | 0 47 | 22 16 | 1 9 | 2 56 | 15 46 | 14 3 | 13 36 | 19 52 | 12 0 | 0 47 |
| M26 | 23 18 | 13 39 | 0 5 | 18 10 | 1 14 | 23 27 | 0 2 | 16 34 | 0 40 | 20 52 | 0 31 | 15 59 | 2 2 | 10 14 | 0 47 | 22 16 | 1 9 | 2 56 | 15 46 | 14 3 | 13 35 | 19 54 | 12 1 | 0 47 |
| T 27 | 23 14 | 18 16 | 0s58 | 17 48 | 1 28 | 23 32 | 0n 1 | 16 46 | 0 39 | 20 51 | 0 31 | 16 1 | 2 2 | 10 14 | 0 47 | 22 16 | 1 9 | 2 56 | 15 45 | 14 3 | 13 34 | 19 57 | 12 2 | 0 47 |
| W28 | 23 10 | 22 11 | 1 58 | 17 27 | 1 41 | 23 36 | 0 3 | 16 58 | 0 38 | 20 51 | 0 31 | 16 2 | 2 2 | 10 14 | 0 47 | 22 16 | 1 9 | 2 55 | 15 44 | 14 2 | 13 33 | 19 59 | 12 2 | 0 47 |
| T 29 | 23 5 | 25 13 | 2 53 | 17 7 | 1 55 | 23 39 | 0 5 | 17 10 | 0 38 | 20 50 | 0 31 | 16 4 | 2 2 | 10 15 | 0 47 | 22 16 | 1 9 | 2 55 | 15 44 | 14 1 | 13 32 | 20 2 | 12 3 | 0 47 |
| F 30 | 23n 0 | 27s 8 | 3s42 | 16n47 | 2s 9 | 23n42 | 0n 8 | 17n22 | 0s37 | 20s49 | 0n30 | 16n 5 | 2s 2 | 10s15 | 0s47 | 22s16 | 1n 9 | 2n54 | 15n43 | 13n58 | 13n31 | 20s 4 | 12n 3 | 0n47 |

Julian Day Number = 2086093.5, Delta T = 24m26s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'40, Lahiri = 9°54'40 Julian Calendar 1 June 999 == Greg. Calendar 6 June 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## JULY 999 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 18 55 5 | 13♋10'47 | 6♉14 | 6♌22 | 1♋22 | 21♉ 9 | 5°R19 | 20♉53 | 5°R33 | 23°R27 | 0°R54 | 6°R59 | 5♉41 | 23♏ 2 | 29♈27 | S 1 |
| S 2 | 18 59 1 | 14° 8'01 | 18°40 | 6°38 | 2°35 | 21°51 | 5♐15 | 20°58 | 5♓32 | 23♐26 | 0♏54 | 6♉48 | 5°38 | 23° 8 | 29°29 | S 2 |
| M 3 | 19 2 58 | 15° 5'15 | 1♒18 | 6°49 | 3°49 | 22°32 | 5°10 | 21° 4 | 5°31 | 23°24 | 0°54 | 6°36 | 5°35 | 23°15 | 29°31 | M 3 |
| T 4 | 19 6 54 | 16° 2'30 | 14° 8 | 6°55 | 5° 2 | 23°13 | 5° 6 | 21°10 | 5°29 | 23°23 | 0°53 | 6°25 | 5°32 | 23°21 | 29°32 | T 4 |
| W 5 | 19 10 51 | 16°59'46 | 27°11 | 6°R56 | 6°16 | 23°54 | 5° 2 | 21°15 | 5°28 | 23°21 | 0°53 | 6°16 | 5°29 | 23°28 | 29°33 | W 5 |
| T 6 | 19 14 47 | 17°57'03 | 10♓25 | 6°51 | 7°30 | 24°35 | 4°58 | 21°21 | 5°27 | 23°20 | 0°53 | 6° 8 | 5°26 | 23°35 | 29°35 | T 6 |
| F 7 | 19 18 44 | 18°54'21 | 23°52 | 6°42 | 8°43 | 25°15 | 4°54 | 21°26 | 5°25 | 23°18 | 0°D53 | 6° 4 | 5°22 | 23°41 | 29°36 | F 7 |
| S 8 | 19 22 40 | 19°51'39 | 7♈30 | 6°28 | 9°57 | 25°56 | 4°51 | 21°31 | 5°24 | 23°17 | 0°53 | 6° 1 | 5°19 | 23°48 | 29°37 | S 8 |
| S 9 | 19 26 37 | 20°48'59 | 21°21 | 6° 9 | 11°11 | 26°37 | 4°47 | 21°37 | 5°22 | 23°16 | 0°53 | 6°D 1 | 5°16 | 23°55 | 29°38 | S 9 |
| M10 | 19 30 34 | 21°46'20 | 5♉25 | 5°45 | 12°24 | 27°17 | 4°44 | 21°42 | 5°21 | 23°14 | 0°53 | 6°R 1 | 5°13 | 24° 1 | 29°40 | M10 |
| T 11 | 19 34 30 | 22°43'43 | 19°41 | 5°17 | 13°38 | 27°58 | 4°41 | 21°47 | 5°19 | 23°13 | 0°54 | 6° 1 | 5°10 | 24° 8 | 29°41 | T 11 |
| W12 | 19 38 27 | 23°41'06 | 4♊ 8 | 4°44 | 14°52 | 28°38 | 4°38 | 21°52 | 5°18 | 23°12 | 0°54 | 5°58 | 5° 7 | 24°15 | 29°42 | W12 |
| T 13 | 19 42 23 | 24°38'31 | 18°42 | 4° 7 | 16° 6 | 29°18 | 4°35 | 21°57 | 5°16 | 23°10 | 0°54 | 5°54 | 5° 3 | 24°21 | 29°43 | T 13 |
| F 14 | 19 46 20 | 25°35'57 | 3♋18 | 3°27 | 17°20 | 29°58 | 4°33 | 22° 2 | 5°15 | 23° 9 | 0°54 | 5°46 | 5° 0 | 24°28 | 29°44 | F 14 |
| S 15 | 19 50 16 | 26°33'24 | 17°50 | 2°44 | 18°33 | 0♊39 | 4°31 | 22° 7 | 5°13 | 23° 8 | 0°54 | 5°36 | 4°57 | 24°35 | 29°44 | S 15 |
| S 16 | 19 54 13 | 27°30'52 | 2♌11 | 1°59 | 19°47 | 1°19 | 4°28 | 22°11 | 5°11 | 23° 6 | 0°55 | 5°25 | 4°54 | 24°41 | 29°45 | S 16 |
| M17 | 19 58 9 | 28°28'21 | 16°14 | 1°12 | 21° 1 | 1°58 | 4°26 | 22°16 | 5° 9 | 23° 5 | 0°55 | 5°13 | 4°51 | 24°48 | 29°46 | M17 |
| T 18 | 20 2 6 | 29°25'51 | 29°54 | 0°25 | 22°15 | 2°38 | 4°25 | 22°21 | 5° 8 | 23° 4 | 0°55 | 5° 3 | 4°47 | 24°55 | 29°47 | T 18 |
| W19 | 20 6 3 | 0♌23'22 | 13♍10 | 29♋38 | 23°29 | 3°18 | 4°23 | 22°25 | 5° 6 | 23° 3 | 0°56 | 4°54 | 4°44 | 25° 1 | 29°47 | W19 |
| T 20 | 20 9 59 | 1°20'54 | 26° 2 | 28°52 | 24°43 | 3°58 | 4°22 | 22°29 | 5° 4 | 23° 1 | 0°56 | 4°48 | 4°41 | 25° 8 | 29°48 | T 20 |
| F 21 | 20 13 56 | 2°18'27 | 8♎32 | 28° 8 | 25°57 | 4°37 | 4°20 | 22°34 | 5° 2 | 23° 0 | 0°57 | 4°44 | 4°38 | 25°15 | 29°48 | F 21 |
| S 22 | 20 17 52 | 3°16'01 | 20°44 | 27°28 | 27°11 | 5°17 | 4°19 | 22°38 | 5° 0 | 22°59 | 0°57 | 4°43 | 4°35 | 25°21 | 29°49 | S 22 |
| S 23 | 20 21 49 | 4°13'35 | 2♏43 | 26°50 | 28°25 | 5°56 | 4°19 | 22°42 | 4°58 | 22°58 | 0°58 | 4°43 | 4°32 | 25°28 | 29°49 | S 23 |
| M24 | 20 25 45 | 5°11'11 | 14°34 | 26°18 | 29°39 | 6°35 | 4°18 | 22°46 | 4°56 | 22°57 | 0°58 | 4°42 | 4°28 | 25°35 | 29°50 | M24 |
| T 25 | 20 29 42 | 6° 8'48 | 26°22 | 25°50 | 0♌53 | 7°14 | 4°17 | 22°50 | 4°54 | 22°56 | 0°59 | 4°41 | 4°25 | 25°41 | 29°50 | T 25 |
| W26 | 20 33 38 | 7° 6'25 | 8♐14 | 25°29 | 2° 8 | 7°53 | 4°17 | 22°54 | 4°52 | 22°55 | 1° 0 | 4°39 | 4°22 | 25°48 | 29°50 | W26 |
| T 27 | 20 37 35 | 8° 4'04 | 20°13 | 25°13 | 3°22 | 8°32 | 4°D17 | 22°58 | 4°50 | 22°54 | 1° 0 | 4°33 | 4°19 | 25°55 | 29°50 | T 27 |
| F 28 | 20 41 32 | 9° 1'45 | 2♑23 | 25° 5 | 4°36 | 9°11 | 4°17 | 23° 1 | 4°48 | 22°53 | 1° 1 | 4°25 | 4°16 | 26° 1 | 29°51 | F 28 |
| S 29 | 20 45 28 | 9°59'26 | 14°47 | 25°D 3 | 5°50 | 9°50 | 4°17 | 23° 5 | 4°46 | 22°52 | 1° 2 | 4°15 | 4°13 | 26° 8 | 29°51 | S 29 |
| S 30 | 20 49 25 | 10°57'08 | 27°28 | 25°10 | 7° 4 | 10°28 | 4°18 | 23° 9 | 4°44 | 22°51 | 1° 3 | 4° 3 | 4° 9 | 26°14 | 29°R51 | S 30 |
| M31 | 20 53 21 | 11♌54'52 | 10♒24 | 25♋23 | 8♌18 | 11♊ 7 | 4♐18 | 23♉12 | 4♓42 | 22♐50 | 1♏ 3 | 3♉50 | 4♉ 6 | 26♏21 | 29♈51 | M31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 22n55 | 27s45 | 4s20 | 16n29 | 2s23 | 23n44 | 0n10 | 17n34 | 0s36 | 20s49 | 0n30 | 16n 7 | 2s 2 | 10s16 | 0s47 | 22s16 | 1n 9 | 2n54 | 15n43 | 13n55 | 13n29 | 20s 7 | 12n 4 | 0n47 |
| S 2 | 22 49 | 27 0 | 4 47 | 16 11 | 2 37 | 23 45 | 0 13 | 17 45 | 0 36 | 20 48 | 0 30 | 16 8 | 2 2 | 10 16 | 0 47 | 22 16 | 1 9 | 2 53 | 15 42 | 13 52 | 13 28 | 20 10 | 12 5 | 0 47 |
| M 3 | 22 43 | 24 52 | 5 1 | 15 55 | 2 50 | 23 46 | 0 15 | 17 56 | 0 35 | 20 47 | 0 30 | 16 9 | 2 2 | 10 17 | 0 48 | 22 16 | 1 9 | 2 53 | 15 42 | 13 48 | 13 27 | 20 12 | 12 5 | 0 46 |
| T 4 | 22 36 | 21 27 | 4 59 | 15 41 | 3 4 | 23 46 | 0 18 | 18 8 | 0 34 | 20 47 | 0 30 | 16 11 | 2 3 | 10 17 | 0 48 | 22 15 | 1 9 | 2 52 | 15 41 | 13 44 | 13 26 | 20 15 | 12 5 | 0 46 |
| W 5 | 22 29 | 16 56 | 4 43 | 15 28 | 3 17 | 23 45 | 0 20 | 18 18 | 0 34 | 20 46 | 0 29 | 16 12 | 2 3 | 10 18 | 0 48 | 22 15 | 1 9 | 2 52 | 15 40 | 13 41 | 13 25 | 20 17 | 12 6 | 0 46 |
| T 6 | 22 22 | 11 33 | 4 10 | 15 16 | 3 30 | 23 44 | 0 22 | 18 29 | 0 33 | 20 46 | 0 29 | 16 13 | 2 3 | 10 18 | 0 48 | 22 15 | 1 9 | 2 51 | 15 40 | 13 38 | 13 24 | 20 20 | 12 6 | 0 46 |
| F 7 | 22 14 | 5 34 | 3 24 | 15 6 | 3 43 | 23 41 | 0 25 | 18 40 | 0 32 | 20 45 | 0 29 | 16 15 | 2 3 | 10 19 | 0 48 | 22 15 | 1 9 | 2 51 | 15 39 | 13 37 | 13 23 | 20 22 | 12 7 | 0 46 |
| S 8 | 22 6 | 0n46 | 2 25 | 14 58 | 3 55 | 23 38 | 0 27 | 18 50 | 0 31 | 20 45 | 0 29 | 16 16 | 2 3 | 10 19 | 0 48 | 22 15 | 1 9 | 2 50 | 15 39 | 13 36 | 13 22 | 20 25 | 12 7 | 0 46 |
| S 9 | 21 57 | 7 11 | 1 17 | 14 52 | 4 6 | 23 35 | 0 29 | 19 1 | 0 31 | 20 44 | 0 29 | 16 17 | 2 3 | 10 20 | 0 48 | 22 15 | 1 9 | 2 50 | 15 38 | 13 36 | 13 21 | 20 27 | 12 8 | 0 46 |
| M10 | 21 48 | 13 21 | 0 3 | 14 48 | 4 16 | 23 31 | 0 31 | 19 11 | 0 30 | 20 44 | 0 28 | 16 18 | 2 3 | 10 20 | 0 48 | 22 15 | 1 9 | 2 49 | 15 38 | 13 36 | 13 20 | 20 29 | 12 8 | 0 46 |
| T 11 | 21 39 | 18 54 | 1n12 | 14 46 | 4 25 | 23 25 | 0 34 | 19 21 | 0 29 | 20 44 | 0 28 | 16 19 | 2 3 | 10 21 | 0 48 | 22 15 | 1 9 | 2 49 | 15 37 | 13 36 | 13 19 | 20 32 | 12 8 | 0 46 |
| W12 | 21 29 | 23 26 | 2 23 | 14 46 | 4 33 | 23 20 | 0 36 | 19 30 | 0 28 | 20 43 | 0 28 | 16 21 | 2 4 | 10 22 | 0 48 | 22 15 | 1 9 | 2 48 | 15 36 | 13 35 | 13 18 | 20 34 | 12 9 | 0 46 |
| T 13 | 21 19 | 26 30 | 3 25 | 14 48 | 4 40 | 23 13 | 0 38 | 19 40 | 0 28 | 20 43 | 0 28 | 16 22 | 2 4 | 10 22 | 0 48 | 22 15 | 1 9 | 2 47 | 15 36 | 13 33 | 13 17 | 20 37 | 12 9 | 0 46 |
| F 14 | 21 8 | 27 46 | 4 14 | 14 52 | 4 45 | 23 6 | 0 40 | 19 49 | 0 27 | 20 43 | 0 28 | 16 23 | 2 4 | 10 23 | 0 48 | 22 15 | 1 9 | 2 47 | 15 35 | 13 31 | 13 16 | 20 39 | 12 9 | 0 46 |
| S 15 | 20 58 | 27 6 | 4 47 | 14 59 | 4 48 | 22 58 | 0 42 | 19 58 | 0 26 | 20 43 | 0 27 | 16 24 | 2 4 | 10 24 | 0 48 | 22 15 | 1 9 | 2 46 | 15 35 | 13 28 | 13 15 | 20 42 | 12 10 | 0 46 |
| S 16 | 20 46 | 24 39 | 5 0 | 15 7 | 4 50 | 22 50 | 0 44 | 20 7 | 0 25 | 20 42 | 0 27 | 16 25 | 2 4 | 10 24 | 0 48 | 22 15 | 1 9 | 2 45 | 15 34 | 13 24 | 13 13 | 20 44 | 12 10 | 0 46 |
| M17 | 20 35 | 20 45 | 4 55 | 15 17 | 4 50 | 22 41 | 0 46 | 20 16 | 0 24 | 20 42 | 0 27 | 16 26 | 2 4 | 10 25 | 0 48 | 22 15 | 1 9 | 2 45 | 15 34 | 13 20 | 13 12 | 20 47 | 12 10 | 0 46 |
| T 18 | 20 23 | 15 49 | 4 33 | 15 28 | 4 48 | 22 31 | 0 48 | 20 25 | 0 24 | 20 42 | 0 27 | 16 27 | 2 4 | 10 26 | 0 48 | 22 15 | 1 8 | 2 44 | 15 33 | 13 16 | 13 11 | 20 49 | 12 10 | 0 46 |
| W19 | 20 11 | 10 17 | 3 57 | 15 42 | 4 45 | 22 20 | 0 50 | 20 34 | 0 23 | 20 42 | 0 27 | 16 28 | 2 5 | 10 26 | 0 48 | 22 15 | 1 8 | 2 43 | 15 32 | 13 14 | 13 10 | 20 52 | 12 11 | 0 46 |
| T 20 | 19 58 | 4 29 | 3 9 | 15 56 | 4 40 | 22 9 | 0 52 | 20 42 | 0 22 | 20 42 | 0 26 | 16 29 | 2 5 | 10 27 | 0 48 | 22 15 | 1 8 | 2 43 | 15 32 | 13 11 | 13 9 | 20 54 | 12 11 | 0 46 |
| F 21 | 19 45 | 1s21 | 2 14 | 16 12 | 4 32 | 21 57 | 0 54 | 20 50 | 0 21 | 20 42 | 0 26 | 16 30 | 2 5 | 10 28 | 0 48 | 22 15 | 1 8 | 2 42 | 15 31 | 13 10 | 13 8 | 20 56 | 12 11 | 0 46 |
| S 22 | 19 32 | 7 0 | 1 13 | 16 29 | 4 23 | 21 45 | 0 56 | 20 58 | 0 20 | 20 42 | 0 26 | 16 31 | 2 5 | 10 28 | 0 48 | 22 15 | 1 8 | 2 41 | 15 31 | 13 10 | 13 7 | 20 59 | 12 11 | 0 46 |
| S 23 | 19 18 | 12 19 | 0 11 | 16 46 | 4 13 | 21 32 | 0 57 | 21 6 | 0 19 | 20 42 | 0 26 | 16 32 | 2 5 | 10 29 | 0 48 | 22 15 | 1 8 | 2 41 | 15 30 | 13 10 | 13 6 | 21 1 | 12 11 | 0 46 |
| M24 | 19 5 | 17 7 | 0s52 | 17 4 | 4 1 | 21 18 | 0 59 | 21 13 | 0 19 | 20 42 | 0 26 | 16 33 | 2 5 | 10 30 | 0 48 | 22 15 | 1 8 | 2 40 | 15 30 | 13 10 | 13 5 | 21 4 | 12 11 | 0 46 |
| T 25 | 18 50 | 21 16 | 1 52 | 17 22 | 3 48 | 21 3 | 1 1 | 21 21 | 0 18 | 20 42 | 0 25 | 16 34 | 2 6 | 10 31 | 0 48 | 22 15 | 1 8 | 2 39 | 15 29 | 13 9 | 13 4 | 21 6 | 12 11 | 0 46 |
| W26 | 18 36 | 24 33 | 2 47 | 17 40 | 3 34 | 20 48 | 1 2 | 21 28 | 0 17 | 20 42 | 0 25 | 16 34 | 2 6 | 10 31 | 0 48 | 22 15 | 1 8 | 2 38 | 15 28 | 13 8 | 13 3 | 21 9 | 12 11 | 0 46 |
| T 27 | 18 21 | 26 48 | 3 36 | 17 57 | 3 18 | 20 33 | 1 4 | 21 35 | 0 16 | 20 42 | 0 25 | 16 35 | 2 6 | 10 32 | 0 48 | 22 15 | 1 8 | 2 38 | 15 28 | 13 7 | 13 2 | 21 11 | 12 11 | 0 46 |
| F 28 | 18 6 | 27 48 | 4 15 | 18 15 | 3 2 | 20 17 | 1 5 | 21 42 | 0 15 | 20 43 | 0 25 | 16 36 | 2 6 | 10 33 | 0 48 | 22 15 | 1 8 | 2 37 | 15 27 | 13 4 | 13 1 | 21 13 | 12 11 | 0 46 |
| S 29 | 17 50 | 27 26 | 4 44 | 18 31 | 2 46 | 20 0 | 1 7 | 21 49 | 0 14 | 20 43 | 0 25 | 16 37 | 2 6 | 10 34 | 0 48 | 22 15 | 1 8 | 2 36 | 15 27 | 13 0 | 13 0 | 21 16 | 12 11 | 0 46 |
| S 30 | 17 35 | 25 39 | 4 58 | 18 47 | 2 29 | 19 42 | 1 8 | 21 55 | 0 13 | 20 43 | 0 24 | 16 37 | 2 6 | 10 35 | 0 48 | 22 15 | 1 8 | 2 35 | 15 26 | 12 56 | 12 58 | 21 18 | 12 11 | 0 46 |
| M31 | 17n19 | 22s31 | 4s58 | 19n 2 | 2s11 | 19n25 | 1n10 | 22n 1 | 0s13 | 20s43 | 0n24 | 16n38 | 2s 7 | 10s35 | 0s48 | 22s15 | 1n 8 | 2n35 | 15n26 | 12n52 | 12n57 | 21s20 | 12n11 | 0n46 |

Julian Day Number = 2086123.5, Delta T = 24m25s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'44, Lahiri = 9°54'44 Julian Calendar 1 July 999 == Greg. Calendar 6 July 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## AUGUST 999 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T 1 | 20 57 18 | 12♌52'38 | 23♒35 | 25♋44 | 9♌33 | 11♊45 | 4♐19 | 23♉15 | 4°R40 | 22°R49 | 1♏ 4 | 3°R38 | 4♉ 3 | 26♏28 | 29°R50 | T 1 |
| W 2 | 21 1 14 | 13°50'25 | 7♓ 0 | 26°13 | 10°47 | 12°24 | 4°20 | 23°18 | 4♓37 | 22♐48 | 1° 5 | 3♉27 | 4° 0 | 26°34 | 29♈50 | W 2 |
| T 3 | 21 5 11 | 14°48'13 | 20°37 | 26°50 | 12° 1 | 13° 2 | 4°21 | 23°22 | 4°35 | 22°47 | 1° 6 | 3°19 | 3°57 | 26°41 | 29°50 | T 3 |
| F 4 | 21 9 7 | 15°46'03 | 4♈22 | 27°33 | 13°16 | 13°40 | 4°23 | 23°25 | 4°33 | 22°46 | 1° 7 | 3°14 | 3°53 | 26°48 | 29°50 | F 4 |
| S 5 | 21 13 4 | 16°43'55 | 18°14 | 28°25 | 14°30 | 14°18 | 4°24 | 23°28 | 4°31 | 22°46 | 1° 8 | 3°12 | 3°50 | 26°54 | 29°50 | S 5 |
| S 6 | 21 17 1 | 17°41'49 | 2♉13 | 29°23 | 15°44 | 14°56 | 4°26 | 23°30 | 4°28 | 22°45 | 1° 9 | 3°D11 | 3°47 | 27° 1 | 29°49 | S 6 |
| M 7 | 21 20 57 | 18°39'44 | 16°16 | 0♌28 | 16°59 | 15°34 | 4°28 | 23°33 | 4°26 | 22°44 | 1°10 | 3°R11 | 3°44 | 27° 8 | 29°49 | M 7 |
| T 8 | 21 24 54 | 19°37'42 | 0♊24 | 1°39 | 18°13 | 16°12 | 4°30 | 23°36 | 4°24 | 22°43 | 1°11 | 3°11 | 3°41 | 27°14 | 29°48 | T 8 |
| W 9 | 21 28 50 | 20°35'42 | 14°36 | 2°57 | 19°27 | 16°49 | 4°32 | 23°38 | 4°22 | 22°43 | 1°12 | 3° 9 | 3°38 | 27°21 | 29°48 | W 9 |
| T 10 | 21 32 47 | 21°33'43 | 28°49 | 4°20 | 20°42 | 17°27 | 4°35 | 23°41 | 4°19 | 22°42 | 1°13 | 3° 4 | 3°34 | 27°28 | 29°47 | T 10 |
| F 11 | 21 36 43 | 22°31'47 | 13♋ 0 | 5°48 | 21°56 | 18° 4 | 4°37 | 23°43 | 4°17 | 22°41 | 1°14 | 2°57 | 3°31 | 27°34 | 29°46 | F 11 |
| S 12 | 21 40 40 | 23°29'52 | 27° 6 | 7°21 | 23°11 | 18°41 | 4°40 | 23°45 | 4°15 | 22°41 | 1°16 | 2°48 | 3°28 | 27°41 | 29°46 | S 12 |
| S 13 | 21 44 37 | 24°28'00 | 11♌ 3 | 8°58 | 24°25 | 19°18 | 4°43 | 23°47 | 4°12 | 22°40 | 1°17 | 2°37 | 3°25 | 27°48 | 29°45 | S 13 |
| M14 | 21 48 33 | 25°26'09 | 24°46 | 10°39 | 25°40 | 19°55 | 4°46 | 23°49 | 4°10 | 22°40 | 1°18 | 2°26 | 3°22 | 27°54 | 29°44 | M14 |
| T 15 | 21 52 30 | 26°24'19 | 8♍11 | 12°23 | 26°54 | 20°32 | 4°50 | 23°51 | 4° 7 | 22°39 | 1°19 | 2°16 | 3°19 | 28° 1 | 29°43 | T 15 |
| W16 | 21 56 26 | 27°22'32 | 21°16 | 14°10 | 28° 9 | 21° 9 | 4°53 | 23°53 | 4° 5 | 22°39 | 1°21 | 2° 8 | 3°15 | 28° 8 | 29°42 | W16 |
| T 17 | 22 0 23 | 28°20'46 | 4♎ 1 | 15°59 | 29°23 | 21°46 | 4°57 | 23°55 | 4° 3 | 22°38 | 1°22 | 2° 2 | 3°12 | 28°14 | 29°41 | T 17 |
| F 18 | 22 4 19 | 29°19'01 | 16°27 | 17°50 | 0♍38 | 22°22 | 5° 1 | 23°57 | 4° 0 | 22°38 | 1°23 | 1°59 | 3° 9 | 28°21 | 29°40 | F 18 |
| S 19 | 22 8 16 | 0♍17'19 | 28°38 | 19°42 | 1°53 | 22°59 | 5° 5 | 23°58 | 3°58 | 22°38 | 1°25 | 1°D57 | 3° 6 | 28°28 | 29°39 | S 19 |
| S 20 | 22 12 12 | 1°15'38 | 10♏36 | 21°35 | 3° 7 | 23°35 | 5° 9 | 23°59 | 3°56 | 22°37 | 1°26 | 1°58 | 3° 3 | 28°34 | 29°38 | S 20 |
| M21 | 22 16 9 | 2°13'58 | 22°27 | 23°29 | 4°22 | 24°11 | 5°14 | 24° 1 | 3°53 | 22°37 | 1°28 | 1°58 | 2°59 | 28°41 | 29°37 | M21 |
| T 22 | 22 20 5 | 3°12'21 | 4♐16 | 25°24 | 5°36 | 24°47 | 5°18 | 24° 2 | 3°51 | 22°37 | 1°29 | 1°R59 | 2°56 | 28°48 | 29°36 | T 22 |
| W23 | 22 24 2 | 4°10'45 | 16° 8 | 27°18 | 6°51 | 25°23 | 5°23 | 24° 3 | 3°48 | 22°36 | 1°31 | 1°58 | 2°53 | 28°54 | 29°34 | W23 |
| T 24 | 22 27 59 | 5° 9'10 | 28° 9 | 29°13 | 8° 6 | 25°58 | 5°28 | 24° 4 | 3°46 | 22°36 | 1°32 | 1°55 | 2°50 | 29° 1 | 29°33 | T 24 |
| F 25 | 22 31 55 | 6° 7'38 | 10♑23 | 1♍ 7 | 9°20 | 26°34 | 5°33 | 24° 5 | 3°44 | 22°36 | 1°34 | 1°50 | 2°47 | 29° 8 | 29°32 | F 25 |
| S 26 | 22 35 52 | 7° 6'07 | 22°54 | 3° 1 | 10°35 | 27° 9 | 5°38 | 24° 5 | 3°41 | 22°36 | 1°35 | 1°43 | 2°44 | 29°14 | 29°30 | S 26 |
| S 27 | 22 39 48 | 8° 4'37 | 5♒44 | 4°54 | 11°50 | 27°45 | 5°44 | 24° 6 | 3°39 | 22°36 | 1°37 | 1°35 | 2°40 | 29°21 | 29°29 | S 27 |
| M28 | 22 43 45 | 9° 3'10 | 18°54 | 6°47 | 13° 5 | 28°20 | 5°49 | 24° 7 | 3°36 | 22°36 | 1°39 | 1°26 | 2°37 | 29°28 | 29°27 | M28 |
| T 29 | 22 47 41 | 10° 1'44 | 2♓24 | 8°38 | 14°19 | 28°55 | 5°55 | 24° 7 | 3°34 | 22°36 | 1°40 | 1°17 | 2°34 | 29°34 | 29°26 | T 29 |
| W30 | 22 51 38 | 11° 0'21 | 16°12 | 10°29 | 15°34 | 29°30 | 6° 1 | 24° 7 | 3°32 | 22°D36 | 1°42 | 1° 9 | 2°31 | 29°41 | 29°24 | W30 |
| T 31 | 22 55 34 | 11♍58'59 | 0♈13 | 12♍20 | 16♍49 | 0♋ 5 | 6♐ 7 | 24♉ 8 | 3♓29 | 22♐36 | 1♏44 | 1♉ 4 | 2♉28 | 29♏48 | 29♈22 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| T 1 | 17n 2 | 18s10 | 4s43 | 19n15 | 1s54 | 19n 6 | 1n11 | 22n 8 | 0s12 | 20s44 | 0n24 | 16n39 | 2s 7 | 10s36 | 0s48 | 22s15 | 1n 8 | 2n34 | 15n25 | 12n48 | 12n56 | 21s23 | 12n11 | 0n46 |
| W 2 | 16 46 | 12 52 | 4 11 | 19 27 | 1 37 | 18 47 | 1 12 | 22 14 | 0 11 | 20 44 | 0 24 | 16 39 | 2 7 | 10 37 | 0 48 | 22 15 | 1 8 | 2 33 | 15 24 | 12 44 | 12 55 | 21 25 | 12 11 | 0 46 |
| T 3 | 16 29 | 6 53 | 3 25 | 19 37 | 1 19 | 18 27 | 1 13 | 22 19 | 0 10 | 20 45 | 0 24 | 16 40 | 2 7 | 10 38 | 0 48 | 22 15 | 1 8 | 2 32 | 15 24 | 12 41 | 12 54 | 21 28 | 12 11 | 0 46 |
| F 4 | 16 12 | 0 30 | 2 26 | 19 45 | 1 2 | 18 7 | 1 15 | 22 25 | 0 9 | 20 45 | 0 23 | 16 41 | 2 7 | 10 39 | 0 48 | 22 15 | 1 8 | 2 31 | 15 23 | 12 40 | 12 53 | 21 30 | 12 11 | 0 46 |
| S 5 | 15 54 | 5n59 | 1 18 | 19 51 | 0 46 | 17 47 | 1 16 | 22 31 | 0 8 | 20 46 | 0 23 | 16 41 | 2 7 | 10 39 | 0 48 | 22 15 | 1 8 | 2 30 | 15 23 | 12 39 | 12 52 | 21 32 | 12 11 | 0 46 |
| S 6 | 15 37 | 12 14 | 0 5 | 19 54 | 0 30 | 17 26 | 1 17 | 22 36 | 0 7 | 20 46 | 0 23 | 16 42 | 2 8 | 10 40 | 0 48 | 22 15 | 1 8 | 2 30 | 15 22 | 12 38 | 12 51 | 21 35 | 12 11 | 0 45 |
| M 7 | 15 19 | 17 54 | 1n 9 | 19 55 | 0 15 | 17 4 | 1 18 | 22 41 | 0 6 | 20 47 | 0 23 | 16 42 | 2 8 | 10 41 | 0 48 | 22 15 | 1 8 | 2 29 | 15 22 | 12 39 | 12 50 | 21 37 | 12 11 | 0 45 |
| T 8 | 15 1 | 22 37 | 2 19 | 19 54 | 0 0 | 16 42 | 1 19 | 22 46 | 0 5 | 20 47 | 0 23 | 16 43 | 2 8 | 10 42 | 0 48 | 22 15 | 1 8 | 2 28 | 15 21 | 12 38 | 12 49 | 21 39 | 12 10 | 0 45 |
| W 9 | 14 42 | 26 0 | 3 21 | 19 50 | 0n14 | 16 19 | 1 19 | 22 51 | 0 4 | 20 48 | 0 22 | 16 43 | 2 8 | 10 43 | 0 48 | 22 15 | 1 8 | 2 27 | 15 21 | 12 38 | 12 48 | 21 42 | 12 10 | 0 45 |
| T 10 | 14 24 | 27 44 | 4 10 | 19 43 | 0 27 | 15 56 | 1 20 | 22 55 | 0 3 | 20 48 | 0 22 | 16 43 | 2 8 | 10 44 | 0 48 | 22 15 | 1 8 | 2 26 | 15 20 | 12 36 | 12 47 | 21 44 | 12 10 | 0 45 |
| F 11 | 14 5 | 27 39 | 4 44 | 19 33 | 0 39 | 15 33 | 1 21 | 23 0 | 0 2 | 20 49 | 0 22 | 16 44 | 2 8 | 10 45 | 0 48 | 22 15 | 1 8 | 2 25 | 15 20 | 12 34 | 12 45 | 21 46 | 12 10 | 0 45 |
| S 12 | 13 46 | 25 46 | 5 1 | 19 20 | 0 50 | 15 9 | 1 22 | 23 4 | 0 1 | 20 50 | 0 22 | 16 44 | 2 9 | 10 45 | 0 48 | 22 15 | 1 8 | 2 24 | 15 19 | 12 31 | 12 44 | 21 49 | 12 9 | 0 45 |
| S 13 | 13 26 | 22 20 | 4 59 | 19 5 | 1 0 | 14 45 | 1 22 | 23 8 | 0 0 | 20 51 | 0 22 | 16 45 | 2 9 | 10 46 | 0 48 | 22 15 | 1 7 | 2 24 | 15 19 | 12 27 | 12 43 | 21 51 | 12 9 | 0 45 |
| M14 | 13 7 | 17 44 | 4 40 | 18 46 | 1 9 | 14 20 | 1 23 | 23 12 | 0n 1 | 20 51 | 0 22 | 16 45 | 2 9 | 10 47 | 0 48 | 22 15 | 1 7 | 2 23 | 15 18 | 12 23 | 12 42 | 21 53 | 12 9 | 0 45 |
| T 15 | 12 47 | 12 20 | 4 6 | 18 25 | 1 17 | 13 55 | 1 23 | 23 15 | 0 2 | 20 52 | 0 21 | 16 45 | 2 9 | 10 48 | 0 48 | 22 15 | 1 7 | 2 22 | 15 18 | 12 20 | 12 41 | 21 56 | 12 8 | 0 45 |
| W16 | 12 27 | 6 32 | 3 19 | 18 1 | 1 24 | 13 29 | 1 24 | 23 19 | 0 3 | 20 53 | 0 21 | 16 46 | 2 9 | 10 49 | 0 48 | 22 15 | 1 7 | 2 21 | 15 17 | 12 17 | 12 40 | 21 58 | 12 8 | 0 45 |
| T 17 | 12 7 | 0 35 | 2 23 | 17 34 | 1 30 | 13 3 | 1 24 | 23 22 | 0 4 | 20 54 | 0 21 | 16 46 | 2 10 | 10 50 | 0 48 | 22 15 | 1 7 | 2 20 | 15 16 | 12 15 | 12 39 | 22 0 | 12 8 | 0 45 |
| F 18 | 11 46 | 5s15 | 1 22 | 17 5 | 1 36 | 12 37 | 1 24 | 23 26 | 0 5 | 20 55 | 0 21 | 16 46 | 2 10 | 10 51 | 0 48 | 22 15 | 1 7 | 2 19 | 15 16 | 12 14 | 12 38 | 22 2 | 12 7 | 0 45 |
| S 19 | 11 26 | 10 46 | 0 18 | 16 34 | 1 40 | 12 11 | 1 24 | 23 29 | 0 6 | 20 56 | 0 21 | 16 46 | 2 10 | 10 52 | 0 48 | 22 15 | 1 7 | 2 18 | 15 15 | 12 13 | 12 37 | 22 5 | 12 7 | 0 45 |
| S 20 | 11 5 | 15 49 | 0s46 | 16 1 | 1 43 | 11 44 | 1 25 | 23 31 | 0 7 | 20 56 | 0 20 | 16 46 | 2 10 | 10 52 | 0 48 | 22 15 | 1 7 | 2 17 | 15 15 | 12 13 | 12 36 | 22 7 | 12 6 | 0 45 |
| M21 | 10 44 | 20 13 | 1 48 | 15 25 | 1 46 | 11 17 | 1 25 | 23 34 | 0 8 | 20 57 | 0 20 | 16 46 | 2 10 | 10 53 | 0 48 | 22 15 | 1 7 | 2 16 | 15 15 | 12 13 | 12 35 | 22 9 | 12 6 | 0 45 |
| T 22 | 10 23 | 23 48 | 2 44 | 14 49 | 1 47 | 10 49 | 1 25 | 23 37 | 0 9 | 20 58 | 0 20 | 16 47 | 2 10 | 10 54 | 0 48 | 22 15 | 1 7 | 2 15 | 15 14 | 12 14 | 12 33 | 22 12 | 12 5 | 0 45 |
| W23 | 10 2 | 26 23 | 3 34 | 14 10 | 1 48 | 10 21 | 1 25 | 23 39 | 0 10 | 20 59 | 0 20 | 16 47 | 2 11 | 10 55 | 0 48 | 22 15 | 1 7 | 2 14 | 15 14 | 12 13 | 12 32 | 22 14 | 12 5 | 0 45 |
| T 24 | 9 40 | 27 48 | 4 15 | 13 30 | 1 48 | 9 53 | 1 25 | 23 41 | 0 11 | 21 1 | 0 20 | 16 47 | 2 11 | 10 56 | 0 48 | 22 15 | 1 7 | 2 13 | 15 13 | 12 12 | 12 31 | 22 16 | 12 4 | 0 45 |
| F 25 | 9 19 | 27 54 | 4 45 | 12 49 | 1 48 | 9 25 | 1 24 | 23 43 | 0 12 | 21 2 | 0 20 | 16 47 | 2 11 | 10 57 | 0 48 | 22 15 | 1 7 | 2 12 | 15 13 | 12 11 | 12 30 | 22 18 | 12 4 | 0 45 |
| S 26 | 8 57 | 26 35 | 5 2 | 12 7 | 1 47 | 8 56 | 1 24 | 23 45 | 0 13 | 21 3 | 0 19 | 16 47 | 2 11 | 10 58 | 0 48 | 22 15 | 1 7 | 2 11 | 15 12 | 12 8 | 12 29 | 22 21 | 12 3 | 0 45 |
| S 27 | 8 35 | 23 52 | 5 5 | 11 24 | 1 45 | 8 27 | 1 24 | 23 47 | 0 14 | 21 4 | 0 19 | 16 47 | 2 11 | 10 59 | 0 48 | 22 15 | 1 7 | 2 10 | 15 12 | 12 5 | 12 28 | 22 23 | 12 3 | 0 45 |
| M28 | 8 13 | 19 52 | 4 52 | 10 40 | 1 43 | 7 58 | 1 24 | 23 49 | 0 15 | 21 5 | 0 19 | 16 47 | 2 12 | 10 59 | 0 48 | 22 15 | 1 7 | 2 9 | 15 11 | 12 2 | 12 27 | 22 25 | 12 2 | 0 45 |
| T 29 | 7 51 | 14 45 | 4 23 | 9 55 | 1 40 | 7 29 | 1 23 | 23 50 | 0 16 | 21 6 | 0 19 | 16 47 | 2 12 | 11 0 | 0 48 | 22 15 | 1 7 | 2 8 | 15 11 | 11 59 | 12 26 | 22 27 | 12 2 | 0 45 |
| W30 | 7 29 | 8 48 | 3 37 | 9 10 | 1 37 | 6 59 | 1 23 | 23 51 | 0 17 | 21 7 | 0 19 | 16 46 | 2 12 | 11 1 | 0 48 | 22 15 | 1 7 | 2 7 | 15 10 | 11 56 | 12 25 | 22 30 | 12 1 | 0 45 |
| T 31 | 7n 6 | 2s19 | 2s38 | 8n25 | 1n33 | 6n30 | 1n22 | 23n53 | 0n18 | 21s 9 | 0n19 | 16n46 | 2s12 | 11s 2 | 0s48 | 22s15 | 1n 7 | 2n 7 | 15n10 | 11n54 | 12n24 | 22s32 | 12n 0 | 0n45 |

Julian Day Number = 2086154.5, Delta T = 24m25s
Ecliptic obliquity = 23°34'16, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'48, Lahiri = 9°54'49 Julian Calendar 1 Aug. 999 == Greg. Calendar 6 Aug. 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## SEPTEMBER 999 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 22 59 31 | 12♍57'39 | 14♈24 | 14♍ 9 | 18♍ 3 | 0♋39 | 6♐13 | 24°R 8 | 3°R27 | 22♐36 | 1♏45 | 1°R 0 | 2♉24 | 29♏54 | 29°R20 | F 1 |
| S 2 | 23 3 28 | 13°56'22 | 28°40 | 15°57 | 19°18 | 1°14 | 6°19 | 24♉ 8 | 3♓24 | 22°36 | 1°47 | 0°D59 | 2°21 | 0♐ 1 | 29♈19 | S 2 |
| S 3 | 23 7 24 | 14°55'06 | 12♉58 | 17°44 | 20°33 | 1°48 | 6°26 | 24° 7 | 3°22 | 22°36 | 1°49 | 1♉ 0 | 2°18 | 0° 8 | 29°17 | S 3 |
| M 4 | 23 11 21 | 15°53'54 | 27°13 | 19°31 | 21°48 | 2°22 | 6°32 | 24° 7 | 3°20 | 22°36 | 1°51 | 1° 1 | 2°15 | 0°14 | 29°15 | M 4 |
| T 5 | 23 15 17 | 16°52'43 | 11♊25 | 21°16 | 23° 2 | 2°56 | 6°39 | 24° 7 | 3°17 | 22°36 | 1°53 | 1°R 2 | 2°12 | 0°21 | 29°13 | T 5 |
| W 6 | 23 19 14 | 17°51'35 | 25°31 | 23° 1 | 24°17 | 3°30 | 6°46 | 24° 6 | 3°15 | 22°36 | 1°55 | 1° 2 | 2° 9 | 0°28 | 29°11 | W 6 |
| T 7 | 23 23 10 | 18°50'30 | 9♋30 | 24°44 | 25°32 | 4° 4 | 6°53 | 24° 6 | 3°13 | 22°37 | 1°56 | 1° 0 | 2° 5 | 0°34 | 29° 9 | T 7 |
| F 8 | 23 27 7 | 19°49'27 | 23°21 | 26°27 | 26°47 | 4°37 | 7° 0 | 24° 5 | 3°11 | 22°37 | 1°58 | 0°56 | 2° 2 | 0°41 | 29° 7 | F 8 |
| S 9 | 23 31 3 | 20°48'26 | 7♌ 3 | 28° 9 | 28° 2 | 5°10 | 7° 8 | 24° 4 | 3° 8 | 22°37 | 2° 0 | 0°51 | 1°59 | 0°48 | 29° 5 | S 9 |
| S 10 | 23 35 0 | 21°47'27 | 20°33 | 29°50 | 29°17 | 5°44 | 7°15 | 24° 3 | 3° 6 | 22°37 | 2° 2 | 0°44 | 1°56 | 0°54 | 29° 3 | S 10 |
| M11 | 23 38 57 | 22°46'30 | 3♍50 | 1♎30 | 0♎31 | 6°17 | 7°23 | 24° 2 | 3° 4 | 22°38 | 2° 4 | 0°38 | 1°53 | 1° 1 | 29° 1 | M11 |
| T 12 | 23 42 53 | 23°45'36 | 16°53 | 3° 9 | 1°46 | 6°49 | 7°31 | 24° 1 | 3° 2 | 22°38 | 2° 6 | 0°32 | 1°50 | 1° 8 | 28°58 | T 12 |
| W13 | 23 46 50 | 24°44'43 | 29°41 | 4°47 | 3° 1 | 7°22 | 7°39 | 24° 0 | 2°59 | 22°39 | 2° 8 | 0°27 | 1°46 | 1°14 | 28°56 | W13 |
| T 14 | 23 50 46 | 25°43'53 | 12♎13 | 6°24 | 4°16 | 7°54 | 7°47 | 23°59 | 2°57 | 22°39 | 2°10 | 0°24 | 1°43 | 1°21 | 28°54 | T 14 |
| F 15 | 23 54 43 | 26°43'05 | 24°31 | 8° 1 | 5°31 | 8°27 | 7°55 | 23°57 | 2°55 | 22°40 | 2°12 | 0°D22 | 1°40 | 1°28 | 28°51 | F 15 |
| S 16 | 23 58 39 | 27°42'19 | 6♏37 | 9°37 | 6°46 | 8°59 | 8° 3 | 23°56 | 2°53 | 22°40 | 2°14 | 0°22 | 1°37 | 1°34 | 28°49 | S 16 |
| S 17 | 0 2 36 | 28°41'34 | 18°32 | 11°12 | 8° 1 | 9°31 | 8°12 | 23°54 | 2°51 | 22°41 | 2°17 | 0°23 | 1°34 | 1°41 | 28°47 | S 17 |
| M18 | 0 6 32 | 29°40'52 | 0♐22 | 12°46 | 9°16 | 10° 2 | 8°20 | 23°52 | 2°49 | 22°41 | 2°19 | 0°25 | 1°30 | 1°47 | 28°44 | M18 |
| T 19 | 0 10 29 | 0♎40'12 | 12°11 | 14°20 | 10°30 | 10°34 | 8°29 | 23°50 | 2°47 | 22°42 | 2°21 | 0°27 | 1°27 | 1°54 | 28°42 | T 19 |
| W20 | 0 14 26 | 1°39'33 | 24° 2 | 15°52 | 11°45 | 11° 5 | 8°38 | 23°48 | 2°45 | 22°43 | 2°23 | 0°28 | 1°24 | 2° 1 | 28°39 | W20 |
| T 21 | 0 18 22 | 2°38'56 | 6♑ 2 | 17°24 | 13° 0 | 11°36 | 8°47 | 23°46 | 2°43 | 22°43 | 2°25 | 0°R28 | 1°21 | 2° 7 | 28°37 | T 21 |
| F 22 | 0 22 19 | 3°38'22 | 18°15 | 18°56 | 14°15 | 12° 7 | 8°56 | 23°44 | 2°41 | 22°44 | 2°27 | 0°27 | 1°18 | 2°14 | 28°34 | F 22 |
| S 23 | 0 26 15 | 4°37'48 | 0♒45 | 20°26 | 15°30 | 12°38 | 9° 5 | 23°42 | 2°39 | 22°45 | 2°29 | 0°25 | 1°15 | 2°21 | 28°32 | S 23 |
| S 24 | 0 30 12 | 5°37'17 | 13°37 | 21°56 | 16°45 | 13° 8 | 9°14 | 23°39 | 2°37 | 22°46 | 2°32 | 0°22 | 1°11 | 2°27 | 28°29 | S 24 |
| M25 | 0 34 8 | 6°36'48 | 26°53 | 23°25 | 18° 0 | 13°38 | 9°24 | 23°37 | 2°35 | 22°47 | 2°34 | 0°18 | 1° 8 | 2°34 | 28°26 | M25 |
| T 26 | 0 38 5 | 7°36'20 | 10♓32 | 24°53 | 19°15 | 14° 8 | 9°33 | 23°34 | 2°33 | 22°47 | 2°36 | 0°15 | 1° 5 | 2°41 | 28°24 | T 26 |
| W27 | 0 42 1 | 8°35'54 | 24°35 | 26°21 | 20°30 | 14°38 | 9°43 | 23°32 | 2°31 | 22°48 | 2°38 | 0°12 | 1° 2 | 2°47 | 28°21 | W27 |
| T 28 | 0 45 58 | 9°35'31 | 8♈57 | 27°48 | 21°44 | 15° 7 | 9°53 | 23°29 | 2°30 | 22°49 | 2°41 | 0°10 | 0°59 | 2°54 | 28°18 | T 28 |
| F 29 | 0 49 54 | 10°35'09 | 23°32 | 29°14 | 22°59 | 15°37 | 10° 3 | 23°26 | 2°28 | 22°50 | 2°43 | 0°D 9 | 0°56 | 3° 1 | 28°16 | F 29 |
| S 30 | 0 53 51 | 11♎34'49 | 8♉15 | 0♏39 | 24♎14 | 16♋ 6 | 10♐12 | 23♉23 | 2♓26 | 22♐51 | 2♏45 | 0♉ 9 | 0♉52 | 3♐ 7 | 28♈13 | S 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 6n44 | 4n21 | 1s28 | 7n39 | 1n29 | 6n 0 | 1n21 | 23n54 | 0n20 | 21s10 | 0n18 | 16n46 | 2s12 | 11s 3 | 0s48 | 22s15 | 1n 7 | 2n 6 | 15n 9 | 11n53 | 12n23 | 22s34 | 12n 0 | 0n45 |
| S 2 | 6 21 | 10 52 | 0 13 | 6 52 | 1 25 | 5 30 | 1 21 | 23 55 | 0 21 | 21 11 | 0 18 | 16 46 | 2 12 | 11 4 | 0 48 | 22 15 | 1 7 | 2 5 | 15 9 | 11 53 | 12 21 | 22 36 | 11 59 | 0 45 |
| S 3 | 5 58 | 16 50 | 1n 4 | 6 6 | 1 20 | 4 59 | 1 20 | 23 55 | 0 22 | 21 12 | 0 18 | 16 46 | 2 13 | 11 5 | 0 48 | 22 15 | 1 7 | 2 4 | 15 9 | 11 53 | 12 20 | 22 38 | 11 58 | 0 44 |
| M 4 | 5 35 | 21 52 | 2 17 | 5 20 | 1 15 | 4 29 | 1 19 | 23 56 | 0 23 | 21 14 | 0 18 | 16 46 | 2 13 | 11 5 | 0 48 | 22 15 | 1 6 | 2 3 | 15 8 | 11 53 | 12 19 | 22 41 | 11 58 | 0 44 |
| T 5 | 5 13 | 25 36 | 3 21 | 4 33 | 1 10 | 3 58 | 1 18 | 23 56 | 0 24 | 21 15 | 0 18 | 16 45 | 2 13 | 11 6 | 0 48 | 22 15 | 1 6 | 2 2 | 15 8 | 11 54 | 12 18 | 22 43 | 11 57 | 0 44 |
| W 6 | 4 49 | 27 42 | 4 13 | 3 46 | 1 4 | 3 28 | 1 17 | 23 57 | 0 25 | 21 16 | 0 18 | 16 45 | 2 13 | 11 7 | 0 48 | 22 16 | 1 6 | 2 1 | 15 7 | 11 54 | 12 17 | 22 45 | 11 56 | 0 44 |
| T 7 | 4 26 | 28 1 | 4 48 | 3 0 | 0 59 | 2 57 | 1 16 | 23 57 | 0 26 | 21 18 | 0 17 | 16 45 | 2 13 | 11 8 | 0 48 | 22 16 | 1 6 | 2 0 | 15 7 | 11 53 | 12 16 | 22 47 | 11 55 | 0 44 |
| F 8 | 4 3 | 26 35 | 5 7 | 2 13 | 0 53 | 2 26 | 1 15 | 23 57 | 0 28 | 21 19 | 0 17 | 16 44 | 2 14 | 11 9 | 0 48 | 22 16 | 1 6 | 1 59 | 15 7 | 11 52 | 12 15 | 22 49 | 11 55 | 0 44 |
| S 9 | 3 40 | 23 34 | 5 8 | 1 27 | 0 46 | 1 55 | 1 14 | 23 57 | 0 29 | 21 20 | 0 17 | 16 44 | 2 14 | 11 10 | 0 48 | 22 16 | 1 6 | 1 58 | 15 6 | 11 50 | 12 14 | 22 51 | 11 54 | 0 44 |
| S 10 | 3 16 | 19 19 | 4 52 | 0 41 | 0 40 | 1 24 | 1 13 | 23 57 | 0 30 | 21 22 | 0 17 | 16 44 | 2 14 | 11 10 | 0 48 | 22 16 | 1 6 | 1 57 | 15 6 | 11 48 | 12 13 | 22 54 | 11 53 | 0 44 |
| M11 | 2 53 | 14 11 | 4 20 | 0s 5 | 0 34 | 0 53 | 1 12 | 23 57 | 0 31 | 21 23 | 0 17 | 16 43 | 2 14 | 11 11 | 0 48 | 22 16 | 1 6 | 1 56 | 15 5 | 11 45 | 12 12 | 22 56 | 11 52 | 0 44 |
| T 12 | 2 29 | 8 30 | 3 35 | 0 51 | 0 27 | 0 22 | 1 11 | 23 56 | 0 33 | 21 25 | 0 17 | 16 43 | 2 14 | 11 12 | 0 48 | 22 16 | 1 6 | 1 55 | 15 5 | 11 43 | 12 10 | 22 58 | 11 51 | 0 44 |
| W13 | 2 6 | 2 34 | 2 40 | 1 36 | 0 20 | 0s 9 | 1 9 | 23 56 | 0 34 | 21 26 | 0 16 | 16 42 | 2 14 | 11 13 | 0 48 | 22 16 | 1 6 | 1 54 | 15 5 | 11 41 | 12 9 | 23 0 | 11 50 | 0 44 |
| T 14 | 1 42 | 3s22 | 1 38 | 2 21 | 0 14 | 0 40 | 1 8 | 23 55 | 0 35 | 21 28 | 0 16 | 16 42 | 2 15 | 11 14 | 0 48 | 22 16 | 1 6 | 1 53 | 15 4 | 11 40 | 12 8 | 23 2 | 11 50 | 0 44 |
| F 15 | 1 19 | 9 3 | 0 32 | 3 6 | 0 7 | 1 11 | 1 6 | 23 54 | 0 36 | 21 29 | 0 16 | 16 41 | 2 15 | 11 14 | 0 48 | 22 16 | 1 6 | 1 52 | 15 4 | 11 40 | 12 7 | 23 4 | 11 49 | 0 44 |
| S 16 | 0 55 | 14 20 | 0s34 | 3 50 | 0s 0 | 1 42 | 1 5 | 23 53 | 0 38 | 21 31 | 0 16 | 16 41 | 2 15 | 11 15 | 0 48 | 22 16 | 1 6 | 1 51 | 15 4 | 11 40 | 12 6 | 23 7 | 11 48 | 0 44 |
| S 17 | 0 31 | 19 0 | 1 38 | 4 34 | 0 7 | 2 14 | 1 3 | 23 52 | 0 39 | 21 32 | 0 16 | 16 40 | 2 15 | 11 16 | 0 48 | 22 16 | 1 6 | 1 50 | 15 3 | 11 40 | 12 5 | 23 9 | 11 47 | 0 44 |
| M18 | 0 8 | 22 54 | 2 37 | 5 17 | 0 14 | 2 45 | 1 2 | 23 51 | 0 40 | 21 34 | 0 16 | 16 40 | 2 15 | 11 17 | 0 48 | 22 16 | 1 6 | 1 49 | 15 3 | 11 41 | 12 4 | 23 11 | 11 46 | 0 44 |
| T 19 | 0s16 | 25 50 | 3 29 | 6 0 | 0 21 | 3 16 | 1 0 | 23 50 | 0 41 | 21 35 | 0 16 | 16 39 | 2 15 | 11 17 | 0 48 | 22 16 | 1 6 | 1 48 | 15 3 | 11 41 | 12 3 | 23 13 | 11 45 | 0 44 |
| W20 | 0 40 | 27 39 | 4 13 | 6 43 | 0 28 | 3 47 | 0 58 | 23 49 | 0 43 | 21 37 | 0 15 | 16 38 | 2 16 | 11 18 | 0 48 | 22 17 | 1 6 | 1 47 | 15 2 | 11 42 | 12 2 | 23 15 | 11 44 | 0 44 |
| T 21 | 1 4 | 28 12 | 4 46 | 7 25 | 0 35 | 4 18 | 0 57 | 23 48 | 0 44 | 21 38 | 0 15 | 16 38 | 2 16 | 11 19 | 0 48 | 22 17 | 1 6 | 1 46 | 15 2 | 11 42 | 12 0 | 23 17 | 11 43 | 0 44 |
| F 22 | 1 27 | 27 23 | 5 7 | 8 6 | 0 42 | 4 49 | 0 55 | 23 46 | 0 45 | 21 40 | 0 15 | 16 37 | 2 16 | 11 19 | 0 48 | 22 17 | 1 6 | 1 45 | 15 2 | 11 42 | 11 59 | 23 19 | 11 42 | 0 43 |
| S 23 | 1 51 | 25 12 | 5 14 | 8 47 | 0 49 | 5 19 | 0 53 | 23 45 | 0 47 | 21 41 | 0 15 | 16 36 | 2 16 | 11 20 | 0 48 | 22 17 | 1 6 | 1 44 | 15 2 | 11 41 | 11 58 | 23 21 | 11 41 | 0 43 |
| S 24 | 2 15 | 21 42 | 5 6 | 9 27 | 0 56 | 5 50 | 0 51 | 23 43 | 0 48 | 21 43 | 0 15 | 16 36 | 2 16 | 11 21 | 0 48 | 22 17 | 1 6 | 1 43 | 15 1 | 11 40 | 11 57 | 23 23 | 11 40 | 0 43 |
| M25 | 2 38 | 17 1 | 4 41 | 10 7 | 1 3 | 6 20 | 0 49 | 23 41 | 0 50 | 21 44 | 0 15 | 16 35 | 2 16 | 11 21 | 0 48 | 22 17 | 1 5 | 1 42 | 15 1 | 11 39 | 11 56 | 23 25 | 11 39 | 0 43 |
| T 26 | 3 2 | 11 21 | 4 0 | 10 46 | 1 10 | 6 51 | 0 47 | 23 40 | 0 51 | 21 46 | 0 15 | 16 34 | 2 16 | 11 22 | 0 48 | 22 17 | 1 5 | 1 41 | 15 1 | 11 37 | 11 55 | 23 28 | 11 38 | 0 43 |
| W27 | 3 26 | 4 58 | 3 4 | 11 25 | 1 17 | 7 21 | 0 45 | 23 38 | 0 52 | 21 48 | 0 14 | 16 33 | 2 16 | 11 23 | 0 48 | 22 17 | 1 5 | 1 40 | 15 1 | 11 36 | 11 54 | 23 30 | 11 37 | 0 43 |
| T 28 | 3 49 | 1n49 | 1 54 | 12 3 | 1 23 | 7 51 | 0 43 | 23 36 | 0 54 | 21 49 | 0 14 | 16 32 | 2 17 | 11 23 | 0 48 | 22 17 | 1 5 | 1 39 | 15 0 | 11 35 | 11 53 | 23 32 | 11 36 | 0 43 |
| F 29 | 4 13 | 8 38 | 0 36 | 12 40 | 1 30 | 8 21 | 0 41 | 23 34 | 0 55 | 21 51 | 0 14 | 16 32 | 2 17 | 11 24 | 0 48 | 22 17 | 1 5 | 1 38 | 15 0 | 11 35 | 11 52 | 23 34 | 11 35 | 0 43 |
| S 30 | 4s36 | 15n 2 | 0n45 | 13s16 | 1s36 | 8s51 | 0n39 | 23n32 | 0n57 | 21s52 | 0n14 | 16n31 | 2s17 | 11s24 | 0s48 | 22s17 | 1n 5 | 1n37 | 15n 0 | 11n35 | 11n50 | 23s36 | 11n34 | 0n43 |

Julian Day Number = 2086185.5, Delta T = 24m25s
Ecliptic obliquity = 23°34'16, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'52, Lahiri = 9°54'53 Julian Calendar 1 Sept. 999 == Greg. Calendar 6 Sept. 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## OCTOBER 999 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S 1 | 0 57 48 | 12♎34'32 | 22♉59 | 2♏ 4 | 25♎29 | 16♋35 | 10♐23 | 23°R20 | 2°R25 | 22♐52 | 2♏48 | 0♉10 | 0♉49 | 3♐14 | 28°R10 | S 1 |
| M 2 | 1 1 44 | 13°34'17 | 7♊37 | 3°27 | 26°44 | 17° 3 | 10°33 | 23♉17 | 2♓23 | 22°53 | 2°50 | 0°11 | 0°46 | 3°21 | 28♈ 7 | M 2 |
| T 3 | 1 5 41 | 14°34'05 | 22° 5 | 4°50 | 27°59 | 17°32 | 10°43 | 23°14 | 2°21 | 22°54 | 2°52 | 0°12 | 0°43 | 3°27 | 28° 4 | T 3 |
| W 4 | 1 9 37 | 15°33'54 | 6♋18 | 6°12 | 29°14 | 18° 0 | 10°53 | 23°10 | 2°20 | 22°55 | 2°55 | 0°13 | 0°40 | 3°34 | 28° 2 | W 4 |
| T 5 | 1 13 34 | 16°33'46 | 20°16 | 7°33 | 0♏29 | 18°28 | 11° 4 | 23° 7 | 2°18 | 22°57 | 2°57 | 0°R13 | 0°36 | 3°41 | 27°59 | T 5 |
| F 6 | 1 17 30 | 17°33'41 | 3♌57 | 8°53 | 1°44 | 18°55 | 11°15 | 23° 4 | 2°17 | 22°58 | 2°59 | 0°12 | 0°33 | 3°47 | 27°56 | F 6 |
| S 7 | 1 21 27 | 18°33'37 | 17°21 | 10°11 | 2°58 | 19°22 | 11°25 | 23° 0 | 2°15 | 22°59 | 3° 2 | 0°11 | 0°30 | 3°54 | 27°53 | S 7 |
| S 8 | 1 25 23 | 19°33'36 | 0♍30 | 11°29 | 4°13 | 19°49 | 11°36 | 22°56 | 2°14 | 23° 0 | 3° 4 | 0°10 | 0°27 | 4° 1 | 27°50 | S 8 |
| M 9 | 1 29 20 | 20°33'37 | 13°24 | 12°45 | 5°28 | 20°16 | 11°47 | 22°53 | 2°13 | 23° 1 | 3° 6 | 0° 9 | 0°24 | 4° 8 | 27°47 | M 9 |
| T 10 | 1 33 17 | 21°33'40 | 26° 5 | 14° 0 | 6°43 | 20°42 | 11°58 | 22°49 | 2°11 | 23° 3 | 3° 9 | 0° 7 | 0°21 | 4°14 | 27°44 | T 10 |
| W11 | 1 37 13 | 22°33'45 | 8♎33 | 15°13 | 7°58 | 21° 8 | 12° 9 | 22°45 | 2°10 | 23° 4 | 3°11 | 0° 6 | 0°17 | 4°21 | 27°41 | W11 |
| T 12 | 1 41 10 | 23°33'52 | 20°50 | 16°24 | 9°13 | 21°34 | 12°20 | 22°41 | 2° 9 | 23° 5 | 3°14 | 0° 6 | 0°14 | 4°28 | 27°38 | T 12 |
| F 13 | 1 45 6 | 24°34'00 | 2♏56 | 17°33 | 10°28 | 22° 0 | 12°31 | 22°37 | 2° 8 | 23° 7 | 3°16 | 0°D 6 | 0°11 | 4°34 | 27°36 | F 13 |
| S 14 | 1 49 3 | 25°34'11 | 14°55 | 18°40 | 11°43 | 22°25 | 12°43 | 22°33 | 2° 6 | 23° 8 | 3°18 | 0° 6 | 0° 8 | 4°41 | 27°33 | S 14 |
| S 15 | 1 52 59 | 26°34'24 | 26°48 | 19°45 | 12°58 | 22°50 | 12°54 | 22°29 | 2° 5 | 23°10 | 3°21 | 0° 6 | 0° 5 | 4°48 | 27°30 | S 15 |
| M16 | 1 56 56 | 27°34'38 | 8♐36 | 20°47 | 14°13 | 23°14 | 13° 6 | 22°25 | 2° 4 | 23°11 | 3°23 | 0° 7 | 0° 1 | 4°54 | 27°27 | M16 |
| T 17 | 2 0 52 | 28°34'54 | 20°24 | 21°47 | 15°28 | 23°38 | 13°17 | 22°20 | 2° 3 | 23°12 | 3°26 | 0° 7 | 29♈58 | 5° 1 | 27°24 | T 17 |
| W18 | 2 4 49 | 29°35'12 | 2♑16 | 22°42 | 16°42 | 24° 2 | 13°29 | 22°16 | 2° 2 | 23°14 | 3°28 | 0° 7 | 29°55 | 5° 8 | 27°21 | W18 |
| T 19 | 2 8 46 | 0♏35'31 | 14°14 | 23°34 | 17°57 | 24°26 | 13°41 | 22°12 | 2° 1 | 23°16 | 3°30 | 0°R 7 | 29°52 | 5°14 | 27°18 | T 19 |
| F 20 | 2 12 42 | 1°35'52 | 26°24 | 24°22 | 19°12 | 24°49 | 13°53 | 22° 7 | 2° 0 | 23°17 | 3°33 | 0°D 7 | 29°49 | 5°21 | 27°15 | F 20 |
| S 21 | 2 16 39 | 2°36'14 | 8♒50 | 25° 5 | 20°27 | 25°12 | 14° 5 | 22° 3 | 2° 0 | 23°19 | 3°35 | 0° 7 | 29°46 | 5°28 | 27°12 | S 21 |
| S 22 | 2 20 35 | 3°36'38 | 21°36 | 25°43 | 21°42 | 25°34 | 14°17 | 21°58 | 1°59 | 23°20 | 3°38 | 0° 7 | 29°42 | 5°34 | 27° 9 | S 22 |
| M23 | 2 24 32 | 4°37'03 | 4♓46 | 26°15 | 22°57 | 25°56 | 14°29 | 21°54 | 1°58 | 23°22 | 3°40 | 0° 8 | 29°39 | 5°41 | 27° 6 | M23 |
| T 24 | 2 28 28 | 5°37'29 | 18°22 | 26°40 | 24°12 | 26°17 | 14°41 | 21°49 | 1°57 | 23°24 | 3°43 | 0° 8 | 29°36 | 5°48 | 27° 3 | T 24 |
| W25 | 2 32 25 | 6°37'57 | 2♈26 | 26°58 | 25°27 | 26°39 | 14°53 | 21°44 | 1°57 | 23°25 | 3°45 | 0° 9 | 29°33 | 5°54 | 27° 1 | W25 |
| T 26 | 2 36 21 | 7°38'26 | 16°54 | 27° 7 | 26°41 | 26°59 | 15° 5 | 21°40 | 1°56 | 23°27 | 3°47 | 0° 9 | 29°30 | 6° 1 | 26°58 | T 26 |
| F 27 | 2 40 18 | 8°38'57 | 1♉44 | 27°R 9 | 27°56 | 27°20 | 15°18 | 21°35 | 1°56 | 23°29 | 3°50 | 0°R 9 | 29°27 | 6° 8 | 26°55 | F 27 |
| S 28 | 2 44 15 | 9°39'29 | 16°47 | 27° 0 | 29°11 | 27°40 | 15°30 | 21°30 | 1°55 | 23°30 | 3°52 | 0° 9 | 29°23 | 6°14 | 26°52 | S 28 |
| S 29 | 2 48 11 | 10°40'03 | 1♊54 | 26°42 | 0♐26 | 27°59 | 15°42 | 21°25 | 1°55 | 23°32 | 3°55 | 0° 8 | 29°20 | 6°21 | 26°49 | S 29 |
| M30 | 2 52 8 | 11°40'39 | 16°58 | 26°13 | 1°41 | 28°19 | 15°55 | 21°21 | 1°54 | 23°34 | 3°57 | 0° 7 | 29°17 | 6°28 | 26°46 | M30 |
| T 31 | 2 56 4 | 12♏41'17 | 1♋48 | 25♏34 | 2♐56 | 28♋37 | 16♐ 8 | 21♉16 | 1♓54 | 23♐36 | 4♏ 0 | 0♉ 5 | 29♈14 | 6♐34 | 26♈44 | T 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| S 1 | 5s 0 | 20n36 | 2n 3 | 13s52 | 1s43 | 9s20 | 0n37 | 23n30 | 0n58 | 21s54 | 0n14 | 16n30 | 2s17 | 11s25 | 0s48 | 22s18 | 1n 5 | 1n36 | 15n 0 | 11n35 | 11n49 | 23s38 | 11n33 | 0n43 |
| M 2 | 5 23 | 24 52 | 3 13 | 14 26 | 1 49 | 9 50 | 0 34 | 23 28 | 1 0 | 21 56 | 0 14 | 16 29 | 2 17 | 11 26 | 0 48 | 22 18 | 1 5 | 1 35 | 14 59 | 11 36 | 11 48 | 23 40 | 11 32 | 0 43 |
| T 3 | 5 46 | 27 29 | 4 9 | 15 0 | 1 55 | 10 19 | 0 32 | 23 26 | 1 1 | 21 57 | 0 14 | 16 28 | 2 17 | 11 26 | 0 48 | 22 18 | 1 5 | 1 34 | 14 59 | 11 36 | 11 47 | 23 42 | 11 31 | 0 43 |
| W 4 | 6 10 | 28 14 | 4 50 | 15 33 | 2 1 | 10 48 | 0 30 | 23 23 | 1 3 | 21 59 | 0 13 | 16 27 | 2 17 | 11 27 | 0 48 | 22 18 | 1 5 | 1 33 | 14 59 | 11 37 | 11 46 | 23 44 | 11 30 | 0 43 |
| T 5 | 6 33 | 27 10 | 5 12 | 16 5 | 2 6 | 11 16 | 0 28 | 23 21 | 1 4 | 22 0 | 0 13 | 16 26 | 2 17 | 11 27 | 0 48 | 22 18 | 1 5 | 1 32 | 14 59 | 11 37 | 11 45 | 23 46 | 11 29 | 0 43 |
| F 6 | 6 56 | 24 29 | 5 16 | 16 37 | 2 12 | 11 45 | 0 25 | 23 19 | 1 6 | 22 2 | 0 13 | 16 25 | 2 18 | 11 28 | 0 48 | 22 18 | 1 5 | 1 31 | 14 59 | 11 36 | 11 44 | 23 48 | 11 27 | 0 43 |
| S 7 | 7 19 | 20 31 | 5 3 | 17 7 | 2 17 | 12 13 | 0 23 | 23 16 | 1 7 | 22 4 | 0 13 | 16 24 | 2 18 | 11 28 | 0 48 | 22 18 | 1 5 | 1 30 | 14 58 | 11 36 | 11 43 | 23 50 | 11 26 | 0 43 |
| S 8 | 7 42 | 15 37 | 4 34 | 17 36 | 2 22 | 12 41 | 0 21 | 23 14 | 1 9 | 22 5 | 0 13 | 16 23 | 2 18 | 11 29 | 0 48 | 22 18 | 1 5 | 1 29 | 14 58 | 11 36 | 11 42 | 23 52 | 11 25 | 0 42 |
| M 9 | 8 4 | 10 6 | 3 51 | 18 4 | 2 26 | 13 8 | 0 18 | 23 12 | 1 10 | 22 7 | 0 13 | 16 22 | 2 18 | 11 29 | 0 48 | 22 18 | 1 5 | 1 28 | 14 58 | 11 35 | 11 40 | 23 54 | 11 24 | 0 42 |
| T 10 | 8 27 | 4 17 | 2 58 | 18 31 | 2 30 | 13 35 | 0 16 | 23 9 | 1 12 | 22 8 | 0 13 | 16 21 | 2 18 | 11 30 | 0 48 | 22 18 | 1 5 | 1 28 | 14 58 | 11 35 | 11 39 | 23 56 | 11 23 | 0 42 |
| W11 | 8 50 | 1s37 | 1 57 | 18 57 | 2 34 | 14 2 | 0 13 | 23 7 | 1 14 | 22 10 | 0 12 | 16 20 | 2 18 | 11 30 | 0 48 | 22 19 | 1 5 | 1 27 | 14 58 | 11 34 | 11 38 | 23 58 | 11 22 | 0 42 |
| T 12 | 9 12 | 7 23 | 0 51 | 19 21 | 2 38 | 14 28 | 0 11 | 23 4 | 1 15 | 22 12 | 0 12 | 16 19 | 2 18 | 11 30 | 0 48 | 22 19 | 1 5 | 1 26 | 14 58 | 11 34 | 11 37 | 24 0 | 11 21 | 0 42 |
| F 13 | 9 34 | 12 48 | 0s16 | 19 44 | 2 41 | 14 55 | 0 8 | 23 2 | 1 17 | 22 13 | 0 12 | 16 18 | 2 18 | 11 31 | 0 47 | 22 19 | 1 5 | 1 25 | 14 58 | 11 34 | 11 36 | 24 2 | 11 20 | 0 42 |
| S 14 | 9 56 | 17 42 | 1 21 | 20 6 | 2 44 | 15 20 | 0 6 | 22 59 | 1 19 | 22 15 | 0 12 | 16 17 | 2 18 | 11 31 | 0 47 | 22 19 | 1 5 | 1 24 | 14 57 | 11 34 | 11 35 | 24 4 | 11 19 | 0 42 |
| S 15 | 10 18 | 21 52 | 2 23 | 20 26 | 2 46 | 15 46 | 0 3 | 22 57 | 1 20 | 22 16 | 0 12 | 16 16 | 2 18 | 11 32 | 0 47 | 22 19 | 1 5 | 1 23 | 14 57 | 11 34 | 11 34 | 24 6 | 11 17 | 0 42 |
| M16 | 10 40 | 25 7 | 3 18 | 20 44 | 2 47 | 16 11 | 0 1 | 22 54 | 1 22 | 22 18 | 0 12 | 16 15 | 2 18 | 11 32 | 0 47 | 22 19 | 1 5 | 1 22 | 14 57 | 11 34 | 11 33 | 24 8 | 11 16 | 0 42 |
| T 17 | 11 2 | 27 17 | 4 5 | 21 1 | 2 48 | 16 35 | 0s 2 | 22 52 | 1 24 | 22 20 | 0 12 | 16 14 | 2 18 | 11 32 | 0 47 | 22 19 | 1 5 | 1 21 | 14 57 | 11 35 | 11 31 | 24 10 | 11 15 | 0 42 |
| W18 | 11 23 | 28 14 | 4 41 | 21 16 | 2 49 | 16 59 | 0 4 | 22 49 | 1 25 | 22 21 | 0 12 | 16 12 | 2 18 | 11 33 | 0 47 | 22 19 | 1 5 | 1 20 | 14 57 | 11 35 | 11 30 | 24 12 | 11 14 | 0 42 |
| T 19 | 11 45 | 27 52 | 5 6 | 21 29 | 2 48 | 17 23 | 0 7 | 22 47 | 1 27 | 22 23 | 0 11 | 16 11 | 2 18 | 11 33 | 0 47 | 22 20 | 1 4 | 1 20 | 14 57 | 11 35 | 11 29 | 24 14 | 11 13 | 0 42 |
| F 20 | 12 6 | 26 10 | 5 17 | 21 40 | 2 47 | 17 46 | 0 9 | 22 45 | 1 29 | 22 24 | 0 11 | 16 10 | 2 18 | 11 33 | 0 47 | 22 20 | 1 4 | 1 19 | 14 57 | 11 35 | 11 28 | 24 15 | 11 12 | 0 42 |
| S 21 | 12 27 | 23 12 | 5 14 | 21 48 | 2 45 | 18 9 | 0 12 | 22 42 | 1 31 | 22 26 | 0 11 | 16 9 | 2 18 | 11 33 | 0 47 | 22 20 | 1 4 | 1 18 | 14 57 | 11 35 | 11 27 | 24 17 | 11 11 | 0 41 |
| S 22 | 12 47 | 19 2 | 4 56 | 21 55 | 2 42 | 18 31 | 0 14 | 22 40 | 1 33 | 22 27 | 0 11 | 16 8 | 2 19 | 11 34 | 0 47 | 22 20 | 1 4 | 1 17 | 14 57 | 11 35 | 11 26 | 24 19 | 11 9 | 0 41 |
| M23 | 13 8 | 13 52 | 4 22 | 21 58 | 2 38 | 18 53 | 0 17 | 22 37 | 1 35 | 22 29 | 0 11 | 16 7 | 2 19 | 11 34 | 0 47 | 22 20 | 1 4 | 1 16 | 14 57 | 11 35 | 11 25 | 24 21 | 11 8 | 0 41 |
| T 24 | 13 28 | 7 52 | 3 32 | 21 59 | 2 32 | 19 14 | 0 20 | 22 35 | 1 36 | 22 30 | 0 11 | 16 5 | 2 19 | 11 34 | 0 47 | 22 20 | 1 4 | 1 15 | 14 57 | 11 35 | 11 24 | 24 23 | 11 7 | 0 41 |
| W25 | 13 48 | 1 17 | 2 28 | 21 57 | 2 26 | 19 35 | 0 22 | 22 33 | 1 38 | 22 32 | 0 11 | 16 4 | 2 19 | 11 34 | 0 47 | 22 20 | 1 4 | 1 15 | 14 57 | 11 35 | 11 22 | 24 25 | 11 6 | 0 41 |
| T 26 | 14 8 | 5n33 | 1 13 | 21 52 | 2 18 | 19 55 | 0 25 | 22 31 | 1 40 | 22 33 | 0 11 | 16 3 | 2 19 | 11 35 | 0 47 | 22 20 | 1 4 | 1 14 | 14 57 | 11 35 | 11 21 | 24 27 | 11 5 | 0 41 |
| F 27 | 14 28 | 12 17 | 0n 9 | 21 43 | 2 9 | 20 15 | 0 27 | 22 29 | 1 42 | 22 35 | 0 10 | 16 2 | 2 19 | 11 35 | 0 47 | 22 20 | 1 4 | 1 13 | 14 57 | 11 35 | 11 20 | 24 29 | 11 4 | 0 41 |
| S 28 | 14 47 | 18 24 | 1 31 | 21 30 | 1 58 | 20 34 | 0 30 | 22 27 | 1 44 | 22 36 | 0 10 | 16 1 | 2 19 | 11 35 | 0 47 | 22 21 | 1 4 | 1 12 | 14 57 | 11 35 | 11 19 | 24 31 | 11 3 | 0 41 |
| S 29 | 15 6 | 23 23 | 2 47 | 21 14 | 1 45 | 20 53 | 0 32 | 22 25 | 1 46 | 22 38 | 0 10 | 15 59 | 2 19 | 11 35 | 0 47 | 22 21 | 1 4 | 1 12 | 14 57 | 11 35 | 11 18 | 24 33 | 11 2 | 0 41 |
| M30 | 15 25 | 26 46 | 3 51 | 20 53 | 1 31 | 21 11 | 0 35 | 22 23 | 1 48 | 22 39 | 0 10 | 15 58 | 2 19 | 11 35 | 0 47 | 22 21 | 1 4 | 1 11 | 14 57 | 11 34 | 11 17 | 24 34 | 11 1 | 0 41 |
| T 31 | 15s44 | 28n13 | 4n39 | 20s29 | 1s15 | 21s28 | 0s37 | 22n21 | 1n50 | 22s41 | 0n10 | 15n57 | 2s19 | 11s35 | 0s47 | 22s21 | 1n 4 | 1n10 | 14n57 | 11n34 | 11n16 | 24s36 | 10n59 | 0n41 |

Julian Day Number = 2086215.5, Delta T = 24m24s
Ecliptic obliquity = 23°34'16, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°47'57, Lahiri = 9°54'57 Julian Calendar 1 Oct. 999 == Greg. Calendar 6 Oct. 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## NOVEMBER 999 C.E.JC — 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W 1 | 3 0 1 | 13♏41'56 | 16♋19 | 24°R44 | 4♐10 | 28♋55 | 16♐20 | 21°R11 | 1°R54 | 23♐38 | 4♏ 2 | 0°R 4 | 29♈11 | 6♐41 | 26°R41 | W 1 |
| T 2 | 3 3 57 | 14°42'37 | 0♌27 | 23♏45 | 5°25 | 29°13 | 16°33 | 21♉ 6 | 1♓53 | 23°39 | 4° 4 | 0♉ 3 | 29° 7 | 6°48 | 26♈38 | T 2 |
| F 3 | 3 7 54 | 15°43'20 | 14°10 | 22°37 | 6°40 | 29°30 | 16°46 | 21° 1 | 1°53 | 23°41 | 4° 7 | 0°D 2 | 29° 4 | 6°54 | 26°35 | F 3 |
| S 4 | 3 11 50 | 16°44'04 | 27°29 | 21°22 | 7°55 | 29°47 | 16°58 | 20°56 | 1°53 | 23°43 | 4° 9 | 0° 3 | 29° 1 | 7° 1 | 26°33 | S 4 |
| S 5 | 3 15 47 | 17°44'50 | 10♍27 | 20° 3 | 9°10 | 0♌ 3 | 17°11 | 20°51 | 1°53 | 23°45 | 4°12 | 0° 4 | 28°58 | 7° 8 | 26°30 | S 5 |
| M 6 | 3 19 44 | 18°45'38 | 23° 7 | 18°41 | 10°24 | 0°19 | 17°24 | 20°46 | 1°D53 | 23°47 | 4°14 | 0° 5 | 28°55 | 7°14 | 26°27 | M 6 |
| T 7 | 3 23 40 | 19°46'27 | 5♎31 | 17°19 | 11°39 | 0°34 | 17°37 | 20°41 | 1°53 | 23°49 | 4°16 | 0° 7 | 28°52 | 7°21 | 26°25 | T 7 |
| W 8 | 3 27 37 | 20°47'17 | 17°43 | 16° 0 | 12°54 | 0°49 | 17°50 | 20°36 | 1°53 | 23°51 | 4°19 | 0° 8 | 28°48 | 7°28 | 26°22 | W 8 |
| T 9 | 3 31 33 | 21°48'09 | 29°46 | 14°48 | 14° 9 | 1° 3 | 18° 3 | 20°31 | 1°53 | 23°53 | 4°21 | 0°R 8 | 28°45 | 7°34 | 26°19 | T 9 |
| F 10 | 3 35 30 | 22°49'03 | 11♏43 | 13°43 | 15°23 | 1°17 | 18°17 | 20°26 | 1°53 | 23°55 | 4°23 | 0° 8 | 28°42 | 7°41 | 26°17 | F 10 |
| S 11 | 3 39 26 | 23°49'57 | 23°35 | 12°48 | 16°38 | 1°30 | 18°30 | 20°22 | 1°54 | 23°57 | 4°26 | 0° 6 | 28°39 | 7°48 | 26°14 | S 11 |
| S 12 | 3 43 23 | 24°50'53 | 5♐25 | 12° 3 | 17°53 | 1°42 | 18°43 | 20°17 | 1°54 | 23°59 | 4°28 | 0° 3 | 28°36 | 7°54 | 26°12 | S 12 |
| M13 | 3 47 19 | 25°51'50 | 17°14 | 11°30 | 19° 8 | 1°54 | 18°56 | 20°12 | 1°54 | 24° 1 | 4°30 | 29♈59 | 28°33 | 8° 1 | 26° 9 | M13 |
| T 14 | 3 51 16 | 26°52'48 | 29° 4 | 11° 8 | 20°22 | 2° 5 | 19°10 | 20° 7 | 1°55 | 24° 3 | 4°33 | 29°54 | 28°29 | 8° 8 | 26° 7 | T 14 |
| W15 | 3 55 13 | 27°53'47 | 10♑58 | 10°D58 | 21°37 | 2°16 | 19°23 | 20° 2 | 1°55 | 24° 5 | 4°35 | 29°49 | 28°26 | 8°14 | 26° 4 | W15 |
| T 16 | 3 59 9 | 28°54'47 | 22°58 | 10°59 | 22°52 | 2°26 | 19°36 | 19°57 | 1°55 | 24° 7 | 4°37 | 29°44 | 28°23 | 8°21 | 26° 2 | T 16 |
| F 17 | 4 3 6 | 29°55'47 | 5♒ 8 | 11° 9 | 24° 7 | 2°35 | 19°50 | 19°52 | 1°56 | 24° 9 | 4°39 | 29°40 | 28°20 | 8°28 | 26° 0 | F 17 |
| S 18 | 4 7 2 | 0♐56'48 | 17°31 | 11°29 | 25°21 | 2°44 | 20° 3 | 19°47 | 1°57 | 24°12 | 4°42 | 29°38 | 28°17 | 8°34 | 25°57 | S 18 |
| S 19 | 4 10 59 | 1°57'50 | 0♓11 | 11°57 | 26°36 | 2°52 | 20°17 | 19°43 | 1°57 | 24°14 | 4°44 | 29°D37 | 28°13 | 8°41 | 25°55 | S 19 |
| M20 | 4 14 55 | 2°58'52 | 13°12 | 12°33 | 27°51 | 2°59 | 20°30 | 19°38 | 1°58 | 24°16 | 4°46 | 29°37 | 28°10 | 8°48 | 25°53 | M20 |
| T 21 | 4 18 52 | 3°59'55 | 26°37 | 13°15 | 29° 5 | 3° 6 | 20°44 | 19°33 | 1°59 | 24°18 | 4°48 | 29°39 | 28° 7 | 8°54 | 25°51 | T 21 |
| W22 | 4 22 48 | 5° 0'59 | 10♈30 | 14° 4 | 0♑20 | 3°12 | 20°57 | 19°28 | 1°59 | 24°20 | 4°50 | 29°40 | 28° 4 | 9° 1 | 25°49 | W22 |
| T 23 | 4 26 45 | 6° 2'03 | 24°49 | 14°57 | 1°35 | 3°17 | 21°11 | 19°24 | 2° 0 | 24°22 | 4°53 | 29°R41 | 28° 1 | 9° 8 | 25°47 | T 23 |
| F 24 | 4 30 42 | 7° 3'07 | 9♉34 | 15°56 | 2°49 | 3°22 | 21°25 | 19°19 | 2° 1 | 24°24 | 4°55 | 29°41 | 27°58 | 9°15 | 25°45 | F 24 |
| S 25 | 4 34 38 | 8° 4'12 | 24°39 | 16°58 | 4° 4 | 3°26 | 21°38 | 19°15 | 2° 2 | 24°27 | 4°57 | 29°39 | 27°54 | 9°21 | 25°43 | S 25 |
| S 26 | 4 38 35 | 9° 5'18 | 9♊56 | 18° 4 | 5°18 | 3°29 | 21°52 | 19°10 | 2° 3 | 24°29 | 4°59 | 29°35 | 27°51 | 9°28 | 25°41 | S 26 |
| M27 | 4 42 31 | 10° 6'24 | 25°14 | 19°13 | 6°33 | 3°31 | 22° 6 | 19° 6 | 2° 4 | 24°31 | 5° 1 | 29°29 | 27°48 | 9°35 | 25°39 | M27 |
| T 28 | 4 46 28 | 11° 7'32 | 10♋23 | 20°24 | 7°47 | 3°33 | 22°19 | 19° 1 | 2° 5 | 24°33 | 5° 3 | 29°23 | 27°45 | 9°41 | 25°37 | T 28 |
| W29 | 4 50 24 | 12° 8'40 | 25°12 | 21°38 | 9° 2 | 3°34 | 22°33 | 18°57 | 2° 6 | 24°36 | 5° 5 | 29°16 | 27°42 | 9°48 | 25°35 | W29 |
| T 30 | 4 54 21 | 13♐ 9'48 | 9♌36 | 22♏54 | 10♑16 | 3°R34 | 22♐47 | 18♉53 | 2♓ 8 | 24♐38 | 5♏ 7 | 29♈11 | 27♈39 | 9♐55 | 25♈33 | T 30 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| W 1 | 16s 2 | 27n39 | 5n 8 | 20s 0 | 0s58 | 21s45 | 0s40 | 22n19 | 1n52 | 22s42 | 0n10 | 15n56 | 2s18 | 11s35 | 0s47 | 22s21 | 1n 4 | 1n 9 | 14n57 | 11n33 | 11n15 | 24s38 | 10n58 | 0n40 |
| T 2 | 16 20 | 25 19 | 5 17 | 19 27 | 0 40 | 22 1 | 0 42 | 22 17 | 1 54 | 22 43 | 0 10 | 15 54 | 2 18 | 11 35 | 0 47 | 22 21 | 1 4 | 1 9 | 14 57 | 11 33 | 11 13 | 24 40 | 10 57 | 0 40 |
| F 3 | 16 38 | 21 34 | 5 7 | 18 51 | 0 20 | 22 16 | 0 45 | 22 16 | 1 56 | 22 45 | 0 10 | 15 53 | 2 18 | 11 35 | 0 47 | 22 21 | 1 4 | 1 8 | 14 57 | 11 33 | 11 12 | 24 42 | 10 56 | 0 40 |
| S 4 | 16 56 | 16 48 | 4 41 | 18 12 | 0n 0 | 22 31 | 0 47 | 22 14 | 1 58 | 22 46 | 0 10 | 15 52 | 2 18 | 11 35 | 0 47 | 22 21 | 1 4 | 1 7 | 14 57 | 11 33 | 11 11 | 24 44 | 10 55 | 0 40 |
| S 5 | 17 13 | 11 24 | 4 1 | 17 31 | 0 21 | 22 45 | 0 49 | 22 13 | 2 0 | 22 48 | 0 9 | 15 51 | 2 18 | 11 35 | 0 47 | 22 22 | 1 4 | 1 6 | 14 57 | 11 33 | 11 10 | 24 46 | 10 54 | 0 40 |
| M 6 | 17 30 | 5 40 | 3 11 | 16 49 | 0 41 | 22 59 | 0 52 | 22 11 | 2 3 | 22 49 | 0 9 | 15 49 | 2 18 | 11 35 | 0 47 | 22 22 | 1 4 | 1 6 | 14 57 | 11 34 | 11 9 | 24 47 | 10 53 | 0 40 |
| T 7 | 17 47 | 0s11 | 2 12 | 16 7 | 1 1 | 23 12 | 0 54 | 22 10 | 2 5 | 22 50 | 0 9 | 15 48 | 2 18 | 11 35 | 0 47 | 22 22 | 1 4 | 1 5 | 14 57 | 11 34 | 11 8 | 24 49 | 10 52 | 0 40 |
| W 8 | 18 3 | 5 57 | 1 8 | 15 27 | 1 20 | 23 24 | 0 56 | 22 9 | 2 7 | 22 52 | 0 9 | 15 47 | 2 18 | 11 35 | 0 47 | 22 22 | 1 4 | 1 4 | 14 57 | 11 35 | 11 7 | 24 51 | 10 51 | 0 40 |
| T 9 | 18 19 | 11 25 | 0 2 | 14 49 | 1 37 | 23 36 | 0 59 | 22 8 | 2 9 | 22 53 | 0 9 | 15 46 | 2 18 | 11 35 | 0 47 | 22 22 | 1 4 | 1 4 | 14 57 | 11 35 | 11 5 | 24 53 | 10 50 | 0 40 |
| F 10 | 18 35 | 16 26 | 1s 3 | 14 16 | 1 52 | 23 46 | 1 1 | 22 7 | 2 11 | 22 54 | 0 9 | 15 44 | 2 18 | 11 35 | 0 46 | 22 22 | 1 4 | 1 3 | 14 57 | 11 35 | 11 4 | 24 55 | 10 49 | 0 40 |
| S 11 | 18 50 | 20 48 | 2 6 | 13 47 | 2 5 | 23 56 | 1 3 | 22 6 | 2 14 | 22 55 | 0 9 | 15 43 | 2 18 | 11 35 | 0 46 | 22 22 | 1 4 | 1 2 | 14 57 | 11 34 | 11 3 | 24 56 | 10 48 | 0 40 |
| S 12 | 19 5 | 24 18 | 3 2 | 13 23 | 2 16 | 24 6 | 1 5 | 22 6 | 2 16 | 22 57 | 0 9 | 15 42 | 2 18 | 11 35 | 0 46 | 22 22 | 1 4 | 1 2 | 14 58 | 11 33 | 11 2 | 24 58 | 10 47 | 0 39 |
| M13 | 19 20 | 26 47 | 3 50 | 13 4 | 2 25 | 24 14 | 1 7 | 22 5 | 2 18 | 22 58 | 0 9 | 15 41 | 2 18 | 11 35 | 0 46 | 22 22 | 1 4 | 1 1 | 14 58 | 11 32 | 11 1 | 25 0 | 10 46 | 0 39 |
| T 14 | 19 34 | 28 3 | 4 29 | 12 51 | 2 31 | 24 22 | 1 9 | 22 5 | 2 21 | 22 59 | 0 8 | 15 40 | 2 18 | 11 34 | 0 46 | 22 23 | 1 4 | 1 1 | 14 58 | 11 30 | 11 0 | 25 2 | 10 45 | 0 39 |
| W15 | 19 48 | 28 2 | 4 56 | 12 43 | 2 36 | 24 30 | 1 11 | 22 5 | 2 23 | 23 0 | 0 8 | 15 38 | 2 18 | 11 34 | 0 46 | 22 23 | 1 4 | 1 0 | 14 58 | 11 28 | 10 59 | 25 3 | 10 44 | 0 39 |
| T 16 | 20 2 | 26 42 | 5 11 | 12 41 | 2 39 | 24 36 | 1 13 | 22 5 | 2 25 | 23 1 | 0 8 | 15 37 | 2 17 | 11 34 | 0 46 | 22 23 | 1 4 | 0 59 | 14 58 | 11 26 | 10 57 | 25 5 | 10 43 | 0 39 |
| F 17 | 20 15 | 24 7 | 5 11 | 12 43 | 2 41 | 24 42 | 1 15 | 22 5 | 2 28 | 23 3 | 0 8 | 15 36 | 2 17 | 11 34 | 0 46 | 22 23 | 1 4 | 0 59 | 14 58 | 11 25 | 10 56 | 25 7 | 10 42 | 0 39 |
| S 18 | 20 28 | 20 23 | 4 58 | 12 49 | 2 41 | 24 47 | 1 17 | 22 6 | 2 30 | 23 4 | 0 8 | 15 35 | 2 17 | 11 34 | 0 46 | 22 23 | 1 4 | 0 58 | 14 59 | 11 24 | 10 55 | 25 9 | 10 41 | 0 39 |
| S 19 | 20 40 | 15 40 | 4 30 | 12 59 | 2 39 | 24 51 | 1 19 | 22 6 | 2 33 | 23 5 | 0 8 | 15 34 | 2 17 | 11 33 | 0 46 | 22 23 | 1 4 | 0 58 | 14 59 | 11 24 | 10 54 | 25 10 | 10 40 | 0 39 |
| M20 | 20 52 | 10 7 | 3 47 | 13 12 | 2 37 | 24 54 | 1 21 | 22 7 | 2 35 | 23 6 | 0 8 | 15 32 | 2 17 | 11 33 | 0 46 | 22 23 | 1 4 | 0 57 | 14 59 | 11 24 | 10 53 | 25 12 | 10 39 | 0 39 |
| T 21 | 21 4 | 3 57 | 2 51 | 13 28 | 2 34 | 24 57 | 1 23 | 22 8 | 2 38 | 23 7 | 0 8 | 15 31 | 2 17 | 11 33 | 0 46 | 22 23 | 1 3 | 0 57 | 14 59 | 11 24 | 10 52 | 25 14 | 10 38 | 0 39 |
| W22 | 21 15 | 2n36 | 1 43 | 13 46 | 2 29 | 24 59 | 1 25 | 22 9 | 2 40 | 23 8 | 0 8 | 15 30 | 2 17 | 11 32 | 0 46 | 22 24 | 1 3 | 0 56 | 14 59 | 11 25 | 10 51 | 25 16 | 10 37 | 0 38 |
| T 23 | 21 26 | 9 15 | 0 27 | 14 6 | 2 25 | 25 0 | 1 26 | 22 10 | 2 43 | 23 9 | 0 8 | 15 29 | 2 17 | 11 32 | 0 46 | 22 24 | 1 3 | 0 56 | 14 59 | 11 25 | 10 50 | 25 17 | 10 37 | 0 38 |
| F 24 | 21 36 | 15 36 | 0n54 | 14 28 | 2 19 | 25 0 | 1 28 | 22 11 | 2 45 | 23 10 | 0 7 | 15 28 | 2 16 | 11 32 | 0 46 | 22 24 | 1 3 | 0 55 | 15 0 | 11 25 | 10 48 | 25 19 | 10 36 | 0 38 |
| S 25 | 21 46 | 21 10 | 2 12 | 14 52 | 2 13 | 25 0 | 1 29 | 22 13 | 2 48 | 23 11 | 0 7 | 15 27 | 2 16 | 11 31 | 0 46 | 22 24 | 1 3 | 0 55 | 15 0 | 11 25 | 10 47 | 25 21 | 10 35 | 0 38 |
| S 26 | 21 56 | 25 23 | 3 21 | 15 16 | 2 7 | 24 59 | 1 31 | 22 15 | 2 50 | 23 12 | 0 7 | 15 26 | 2 16 | 11 31 | 0 46 | 22 24 | 1 3 | 0 54 | 15 0 | 11 23 | 10 46 | 25 22 | 10 34 | 0 38 |
| M27 | 22 5 | 27 45 | 4 16 | 15 42 | 2 0 | 24 57 | 1 32 | 22 16 | 2 53 | 23 13 | 0 7 | 15 25 | 2 16 | 11 30 | 0 46 | 22 24 | 1 3 | 0 54 | 15 0 | 11 21 | 10 45 | 25 24 | 10 33 | 0 38 |
| T 28 | 22 14 | 28 1 | 4 53 | 16 8 | 1 53 | 24 54 | 1 34 | 22 19 | 2 56 | 23 14 | 0 7 | 15 24 | 2 16 | 11 30 | 0 46 | 22 24 | 1 3 | 0 53 | 15 1 | 11 19 | 10 44 | 25 26 | 10 33 | 0 38 |
| W29 | 22 22 | 26 16 | 5 9 | 16 34 | 1 46 | 24 50 | 1 35 | 22 21 | 2 58 | 23 15 | 0 7 | 15 23 | 2 16 | 11 30 | 0 46 | 22 24 | 1 3 | 0 53 | 15 1 | 11 16 | 10 43 | 25 27 | 10 32 | 0 38 |
| T 30 | 22s30 | 22n49 | 5n 4 | 17s 1 | 1n39 | 24s46 | 1s36 | 22n23 | 3n 1 | 23s16 | 0n 7 | 15n22 | 2s15 | 11s29 | 0s46 | 22s24 | 1n 3 | 0n53 | 15n 1 | 11n14 | 10n42 | 25s29 | 10n31 | 0n38 |

Julian Day Number = 2086246.5, Delta T = 24m24s
Ecliptic obliquity = 23°34'16, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°48'01, Lahiri = 9°55'01 Julian Calendar 1 Nov. 999 == Greg. Calendar 6 Nov. 999


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# ASTRODIENST EPHEMERIS for the year 999
# geocentric

## DECEMBER 999 C.E.JC 00:00 UT

| Day | Sid.t | ☉ | ☽ | ☿ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ☊ | ☊ | ⚸ | ⚷ | Day |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F 1 | 4 58 18 | 14♐10'57 | 23♌31 | 24♏12 | 11♑31 | 3°R33 | 23♐ 1 | 18°R48 | 2♓ 9 | 24♐40 | 5♏ 9 | 29°R 7 | 27♈35 | 10♐ 1 | 25°R32 | F 1 |
| S 2 | 5 2 14 | 15°12'07 | 6♍56 | 25°32 | 12°45 | 3♌32 | 23°15 | 18♉44 | 2°10 | 24°42 | 5°11 | 29♈ 4 | 27°32 | 10° 8 | 25♈30 | S 2 |
| S 3 | 5 6 11 | 16°13'18 | 19°54 | 26°53 | 14° 0 | 3°29 | 23°28 | 18°40 | 2°11 | 24°44 | 5°13 | 29°D 4 | 27°29 | 10°15 | 25°28 | S 3 |
| M 4 | 5 10 7 | 17°14'29 | 2♎30 | 28°15 | 15°14 | 3°26 | 23°42 | 18°36 | 2°13 | 24°47 | 5°15 | 29° 5 | 27°26 | 10°21 | 25°27 | M 4 |
| T 5 | 5 14 4 | 18°15'41 | 14°47 | 29°38 | 16°29 | 3°22 | 23°56 | 18°32 | 2°14 | 24°49 | 5°17 | 29° 6 | 27°23 | 10°28 | 25°25 | T 5 |
| W 6 | 5 18 0 | 19°16'53 | 26°51 | 1♐ 2 | 17°43 | 3°17 | 24°10 | 18°28 | 2°16 | 24°51 | 5°19 | 29°R 7 | 27°19 | 10°35 | 25°24 | W 6 |
| T 7 | 5 21 57 | 20°18'06 | 8♏45 | 2°27 | 18°57 | 3°12 | 24°24 | 18°24 | 2°17 | 24°54 | 5°21 | 29° 7 | 27°16 | 10°41 | 25°22 | T 7 |
| F 8 | 5 25 53 | 21°19'20 | 20°35 | 3°53 | 20°12 | 3° 5 | 24°38 | 18°21 | 2°19 | 24°56 | 5°23 | 29° 4 | 27°13 | 10°48 | 25°21 | F 8 |
| S 9 | 5 29 50 | 22°20'33 | 2♐24 | 5°19 | 21°26 | 2°58 | 24°52 | 18°17 | 2°20 | 24°58 | 5°25 | 28°59 | 27°10 | 10°55 | 25°20 | S 9 |
| S 10 | 5 33 47 | 23°21'47 | 14°12 | 6°46 | 22°40 | 2°50 | 25° 6 | 18°13 | 2°22 | 25° 0 | 5°26 | 28°51 | 27° 7 | 11° 1 | 25°19 | S 10 |
| M11 | 5 37 43 | 24°23'01 | 26° 4 | 8°14 | 23°55 | 2°41 | 25°20 | 18°10 | 2°24 | 25° 3 | 5°28 | 28°41 | 27° 4 | 11° 8 | 25°17 | M11 |
| T 12 | 5 41 40 | 25°24'15 | 8♑ 0 | 9°43 | 25° 9 | 2°31 | 25°33 | 18° 6 | 2°26 | 25° 5 | 5°30 | 28°30 | 27° 0 | 11°15 | 25°16 | T 12 |
| W13 | 5 45 36 | 26°25'29 | 20° 2 | 11°11 | 26°23 | 2°21 | 25°47 | 18° 3 | 2°27 | 25° 7 | 5°32 | 28°18 | 26°57 | 11°22 | 25°15 | W13 |
| T 14 | 5 49 33 | 27°26'43 | 2♒11 | 12°41 | 27°37 | 2°10 | 26° 1 | 18° 0 | 2°29 | 25° 9 | 5°33 | 28° 7 | 26°54 | 11°28 | 25°14 | T 14 |
| F 15 | 5 53 29 | 28°27'57 | 14°28 | 14°10 | 28°51 | 1°57 | 26°15 | 17°57 | 2°31 | 25°12 | 5°35 | 27°57 | 26°51 | 11°35 | 25°13 | F 15 |
| S 16 | 5 57 26 | 29°29'11 | 26°55 | 15°41 | 0♒ 5 | 1°44 | 26°29 | 17°54 | 2°33 | 25°14 | 5°37 | 27°49 | 26°48 | 11°42 | 25°12 | S 16 |
| S 17 | 6 1 22 | 0♑30'23 | 9♓36 | 17°11 | 1°20 | 1°31 | 26°43 | 17°51 | 2°35 | 25°16 | 5°38 | 27°45 | 26°45 | 11°48 | 25°11 | S 17 |
| M18 | 6 5 19 | 1°31'36 | 22°33 | 18°43 | 2°34 | 1°16 | 26°57 | 17°48 | 2°37 | 25°19 | 5°40 | 27°42 | 26°41 | 11°55 | 25°11 | M18 |
| T 19 | 6 9 16 | 2°32'48 | 5♈50 | 20°14 | 3°48 | 1° 1 | 27°11 | 17°45 | 2°39 | 25°21 | 5°41 | 27°D42 | 26°38 | 12° 2 | 25°10 | T 19 |
| W20 | 6 13 12 | 3°33'59 | 19°29 | 21°46 | 5° 2 | 0°45 | 27°25 | 17°42 | 2°41 | 25°23 | 5°43 | 27°43 | 26°35 | 12° 8 | 25° 9 | W20 |
| T 21 | 6 17 9 | 4°35'10 | 3♉32 | 23°19 | 6°16 | 0°28 | 27°39 | 17°40 | 2°43 | 25°25 | 5°45 | 27°R43 | 26°32 | 12°15 | 25° 9 | T 21 |
| F 22 | 6 21 5 | 5°36'20 | 18° 0 | 24°51 | 7°29 | 0°11 | 27°52 | 17°37 | 2°46 | 25°28 | 5°46 | 27°41 | 26°29 | 12°22 | 25° 8 | F 22 |
| S 23 | 6 25 2 | 6°37'30 | 2♊49 | 26°25 | 8°43 | 29♋53 | 28° 6 | 17°35 | 2°48 | 25°30 | 5°47 | 27°37 | 26°25 | 12°28 | 25° 8 | S 23 |
| S 24 | 6 28 58 | 7°38'39 | 17°55 | 27°58 | 9°57 | 29°34 | 28°20 | 17°33 | 2°50 | 25°32 | 5°49 | 27°30 | 26°22 | 12°35 | 25° 7 | S 24 |
| M25 | 6 32 55 | 8°39'48 | 3♋ 8 | 29°33 | 11°11 | 29°15 | 28°34 | 17°30 | 2°52 | 25°34 | 5°50 | 27°21 | 26°19 | 12°42 | 25° 7 | M25 |
| T 26 | 6 36 52 | 9°40'56 | 18°18 | 1♑ 7 | 12°25 | 28°55 | 28°48 | 17°28 | 2°55 | 25°37 | 5°52 | 27°10 | 26°16 | 12°48 | 25° 6 | T 26 |
| W27 | 6 40 48 | 10°42'03 | 3♌14 | 2°43 | 13°38 | 28°35 | 29° 2 | 17°26 | 2°57 | 25°39 | 5°53 | 26°59 | 26°13 | 12°55 | 25° 6 | W27 |
| T 28 | 6 44 45 | 11°43'10 | 17°47 | 4°18 | 14°52 | 28°14 | 29°15 | 17°25 | 3° 0 | 25°41 | 5°54 | 26°48 | 26°10 | 13° 2 | 25° 6 | T 28 |
| F 29 | 6 48 41 | 12°44'17 | 1♍52 | 5°55 | 16° 6 | 27°52 | 29°29 | 17°23 | 3° 2 | 25°43 | 5°56 | 26°40 | 26° 6 | 13° 8 | 25° 6 | F 29 |
| S 30 | 6 52 38 | 13°45'23 | 15°26 | 7°31 | 17°19 | 27°30 | 29°43 | 17°21 | 3° 4 | 25°45 | 5°57 | 26°35 | 26° 3 | 13°15 | 25° 6 | S 30 |
| S 31 | 6 56 34 | 14♑46'29 | 28♍31 | 9♑ 9 | 18♒33 | 27♋ 8 | 29♐57 | 17♉20 | 3♓ 7 | 25♐48 | 5♏58 | 26♈32 | 26♈ 0 | 13♐22 | 25°D 6 | S 31 |

| Day | ☉ | ☽ | | ☿ | | ♀ | | ♂ | | ♃ | | ♄ | | ♅ | | ♆ | | ♇ | | ☊ | ☊ | ⚸ | ⚷ | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | decl | decl | decl | lat |
| F 1 | 22s38 | 18n11 | 4n42 | 17s27 | 1n31 | 24s41 | 1s37 | 22n26 | 3n 3 | 23s16 | 0n 7 | 15n21 | 2s15 | 11s29 | 0s46 | 22s25 | 1n 3 | 0n52 | 15n 1 | 11n13 | 10n40 | 25s31 | 10n30 | 0n38 |
| S 2 | 22 45 | 12 48 | 4 5 | 17 54 | 1 24 | 24 35 | 1 39 | 22 29 | 3 6 | 23 17 | 0 7 | 15 20 | 2 15 | 11 28 | 0 46 | 22 25 | 1 3 | 0 52 | 15 2 | 11 12 | 10 39 | 25 32 | 10 30 | 0 37 |
| S 3 | 22 51 | 7 1 | 3 16 | 18 20 | 1 16 | 24 29 | 1 40 | 22 32 | 3 9 | 23 18 | 0 6 | 15 19 | 2 15 | 11 28 | 0 46 | 22 25 | 1 3 | 0 52 | 15 2 | 11 12 | 10 38 | 25 34 | 10 29 | 0 37 |
| M 4 | 22 57 | 1 7 | 2 19 | 18 46 | 1 8 | 24 22 | 1 41 | 22 36 | 3 11 | 23 19 | 0 6 | 15 18 | 2 15 | 11 27 | 0 46 | 22 25 | 1 3 | 0 51 | 15 2 | 11 13 | 10 37 | 25 36 | 10 28 | 0 37 |
| T 5 | 23 3 | 4s41 | 1 17 | 19 12 | 1 0 | 24 14 | 1 42 | 22 39 | 3 14 | 23 20 | 0 6 | 15 17 | 2 14 | 11 27 | 0 45 | 22 25 | 1 3 | 0 51 | 15 3 | 11 13 | 10 36 | 25 37 | 10 28 | 0 37 |
| W 6 | 23 8 | 10 13 | 0 12 | 19 37 | 0 53 | 24 5 | 1 42 | 22 43 | 3 17 | 23 20 | 0 6 | 15 16 | 2 14 | 11 26 | 0 45 | 22 25 | 1 3 | 0 51 | 15 3 | 11 13 | 10 35 | 25 39 | 10 27 | 0 37 |
| T 7 | 23 13 | 15 19 | 0s52 | 20 2 | 0 45 | 23 56 | 1 43 | 22 47 | 3 19 | 23 21 | 0 6 | 15 15 | 2 14 | 11 25 | 0 45 | 22 25 | 1 3 | 0 50 | 15 3 | 11 13 | 10 33 | 25 41 | 10 26 | 0 37 |
| F 8 | 23 17 | 19 49 | 1 53 | 20 26 | 0 37 | 23 45 | 1 44 | 22 51 | 3 22 | 23 22 | 0 6 | 15 14 | 2 14 | 11 25 | 0 45 | 22 25 | 1 3 | 0 50 | 15 3 | 11 12 | 10 32 | 25 42 | 10 26 | 0 37 |
| S 9 | 23 21 | 23 31 | 2 49 | 20 49 | 0 29 | 23 34 | 1 45 | 22 55 | 3 24 | 23 22 | 0 6 | 15 14 | 2 14 | 11 24 | 0 45 | 22 25 | 1 3 | 0 50 | 15 4 | 11 10 | 10 31 | 25 44 | 10 25 | 0 37 |
| S 10 | 23 24 | 26 14 | 3 37 | 21 12 | 0 22 | 23 23 | 1 45 | 22 59 | 3 27 | 23 23 | 0 6 | 15 13 | 2 13 | 11 24 | 0 45 | 22 25 | 1 3 | 0 49 | 15 4 | 11 8 | 10 30 | 25 45 | 10 25 | 0 37 |
| M11 | 23 27 | 27 47 | 4 17 | 21 34 | 0 14 | 23 11 | 1 46 | 23 4 | 3 30 | 23 24 | 0 6 | 15 12 | 2 13 | 11 23 | 0 45 | 22 26 | 1 3 | 0 49 | 15 4 | 11 4 | 10 29 | 25 47 | 10 24 | 0 36 |
| T 12 | 23 29 | 28 4 | 4 45 | 21 55 | 0 7 | 22 58 | 1 46 | 23 9 | 3 32 | 23 24 | 0 6 | 15 11 | 2 13 | 11 22 | 0 45 | 22 26 | 1 3 | 0 49 | 15 5 | 11 0 | 10 28 | 25 49 | 10 24 | 0 36 |
| W13 | 23 31 | 27 1 | 5 1 | 22 15 | 0s 0 | 22 44 | 1 46 | 23 14 | 3 35 | 23 25 | 0 5 | 15 11 | 2 13 | 11 22 | 0 45 | 22 26 | 1 3 | 0 49 | 15 5 | 10 56 | 10 27 | 25 50 | 10 23 | 0 36 |
| T 14 | 23 33 | 24 42 | 5 3 | 22 34 | 0 8 | 22 30 | 1 47 | 23 19 | 3 37 | 23 25 | 0 5 | 15 10 | 2 12 | 11 21 | 0 45 | 22 26 | 1 3 | 0 48 | 15 5 | 10 52 | 10 25 | 25 52 | 10 23 | 0 36 |
| F 15 | 23 34 | 21 13 | 4 51 | 22 52 | 0 15 | 22 15 | 1 47 | 23 24 | 3 40 | 23 26 | 0 5 | 15 9 | 2 12 | 11 20 | 0 45 | 22 26 | 1 3 | 0 48 | 15 6 | 10 48 | 10 24 | 25 53 | 10 22 | 0 36 |
| S 16 | 23 34 | 16 46 | 4 26 | 23 9 | 0 22 | 21 59 | 1 47 | 23 29 | 3 42 | 23 26 | 0 5 | 15 9 | 2 12 | 11 19 | 0 45 | 22 26 | 1 3 | 0 48 | 15 6 | 10 45 | 10 23 | 25 55 | 10 22 | 0 36 |
| S 17 | 23 34 | 11 31 | 3 47 | 23 25 | 0 28 | 21 43 | 1 47 | 23 35 | 3 45 | 23 27 | 0 5 | 15 8 | 2 12 | 11 19 | 0 45 | 22 26 | 1 3 | 0 48 | 15 6 | 10 44 | 10 22 | 25 56 | 10 21 | 0 36 |
| M18 | 23 34 | 5 39 | 2 56 | 23 40 | 0 35 | 21 26 | 1 47 | 23 41 | 3 47 | 23 27 | 0 5 | 15 8 | 2 11 | 11 18 | 0 45 | 22 26 | 1 3 | 0 48 | 15 7 | 10 43 | 10 21 | 25 58 | 10 21 | 0 36 |
| T 19 | 23 33 | 0n35 | 1 54 | 23 54 | 0 42 | 21 8 | 1 47 | 23 46 | 3 50 | 23 28 | 0 5 | 15 7 | 2 11 | 11 17 | 0 45 | 22 26 | 1 3 | 0 48 | 15 7 | 10 43 | 10 20 | 25 59 | 10 21 | 0 36 |
| W20 | 23 31 | 6 59 | 0 44 | 24 7 | 0 48 | 20 50 | 1 47 | 23 52 | 3 52 | 23 28 | 0 5 | 15 7 | 2 11 | 11 16 | 0 45 | 22 26 | 1 3 | 0 48 | 15 8 | 10 43 | 10 19 | 26 1 | 10 20 | 0 35 |
| T 21 | 23 29 | 13 15 | 0n31 | 24 18 | 0 54 | 20 32 | 1 46 | 23 58 | 3 54 | 23 28 | 0 5 | 15 6 | 2 11 | 11 15 | 0 45 | 22 26 | 1 3 | 0 47 | 15 8 | 10 43 | 10 17 | 26 2 | 10 20 | 0 35 |
| F 22 | 23 27 | 18 58 | 1 46 | 24 28 | 1 0 | 20 12 | 1 46 | 24 4 | 3 56 | 23 29 | 0 5 | 15 6 | 2 10 | 11 15 | 0 45 | 22 26 | 1 3 | 0 47 | 15 8 | 10 42 | 10 16 | 26 4 | 10 20 | 0 35 |
| S 23 | 23 24 | 23 42 | 2 55 | 24 37 | 1 6 | 19 52 | 1 45 | 24 10 | 3 59 | 23 29 | 0 4 | 15 5 | 2 10 | 11 14 | 0 45 | 22 27 | 1 3 | 0 47 | 15 9 | 10 41 | 10 15 | 26 6 | 10 19 | 0 35 |
| S 24 | 23 21 | 26 53 | 3 53 | 24 45 | 1 11 | 19 32 | 1 45 | 24 16 | 4 1 | 23 29 | 0 4 | 15 5 | 2 10 | 11 13 | 0 45 | 22 27 | 1 3 | 0 47 | 15 9 | 10 38 | 10 14 | 26 7 | 10 19 | 0 35 |
| M25 | 23 17 | 28 7 | 4 35 | 24 51 | 1 17 | 19 11 | 1 44 | 24 22 | 4 3 | 23 29 | 0 4 | 15 5 | 2 10 | 11 12 | 0 45 | 22 27 | 1 3 | 0 47 | 15 10 | 10 35 | 10 13 | 26 9 | 10 19 | 0 35 |
| T 26 | 23 13 | 27 14 | 4 58 | 24 56 | 1 22 | 18 50 | 1 44 | 24 28 | 4 5 | 23 30 | 0 4 | 15 4 | 2 9 | 11 11 | 0 45 | 22 27 | 1 3 | 0 47 | 15 10 | 10 31 | 10 12 | 26 10 | 10 19 | 0 35 |
| W27 | 23 8 | 24 24 | 5 0 | 24 59 | 1 27 | 18 28 | 1 43 | 24 35 | 4 6 | 23 30 | 0 4 | 15 4 | 2 9 | 11 10 | 0 45 | 22 27 | 1 3 | 0 47 | 15 10 | 10 27 | 10 10 | 26 11 | 10 18 | 0 35 |
| T 28 | 23 3 | 20 3 | 4 42 | 25 1 | 1 31 | 18 5 | 1 42 | 24 41 | 4 8 | 23 30 | 0 4 | 15 4 | 2 9 | 11 9 | 0 45 | 22 27 | 1 3 | 0 47 | 15 11 | 10 23 | 10 9 | 26 13 | 10 18 | 0 35 |
| F 29 | 22 57 | 14 43 | 4 7 | 25 2 | 1 35 | 17 42 | 1 41 | 24 47 | 4 10 | 23 30 | 0 4 | 15 3 | 2 9 | 11 9 | 0 45 | 22 27 | 1 3 | 0 47 | 15 11 | 10 20 | 10 8 | 26 14 | 10 18 | 0 35 |
| S 30 | 22 51 | 8 50 | 3 19 | 25 1 | 1 40 | 17 19 | 1 40 | 24 53 | 4 12 | 23 30 | 0 4 | 15 3 | 2 8 | 11 8 | 0 45 | 22 27 | 1 3 | 0 47 | 15 12 | 10 18 | 10 7 | 26 16 | 10 18 | 0 34 |
| S 31 | 22s45 | 2n46 | 2n22 | 24s58 | 1s43 | 16s55 | 1s39 | 24n59 | 4n13 | 23s31 | 0n 4 | 15n 3 | 2s 8 | 11s 7 | 0s45 | 22s27 | 1n 3 | 0n47 | 15n12 | 10n17 | 10n 6 | 26s17 | 10n18 | 0n34 |

Julian Day Number = 2086276.5, Delta T = 24m23s
Ecliptic obliquity = 23°34'15, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 10°48'05, Lahiri = 9°55'05 Julian Calendar 1 Dec. 999 == Greg. Calendar 6 Dec. 999


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